

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2016

Levee District No. 0001 (Sutter County)

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Feather River	Right	16.11	03/24/2016 03/24/2016	Sterling York

LM Start		Rating **	A	Issue No.	4
LM End		Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Operations & Maintenance Manuals			°	°
				°	°
DWR ID	DWR_LD0001S_01_s_2013_4				
Comment Code					
Inspector Comment					
Sean stated that the O&M manuals are stored at the district office at 243 2nd st, Yuba City, CA.					

No Photos

LM Start		Rating **	A	Issue No.	5
LM End		Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Emergency Supplies & Equipment			°	°
				°	°
DWR ID	DWR_LD0001S_01_s_2013_5				
Comment Code					
Inspector Comment					
Supplies and flood fight equipment are stored at the district office. They also went in with RD784 in their large stockpile of flood fight supplies located in their district.					

No Photos

LM Start		Rating **	A	Issue No.	6
LM End		Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Flood Preparedness & Training			°	°
				°	°
DWR ID	DWR_LD0001S_01_s_2013_6				
Comment Code					
Inspector Comment					
Sean stated that he and the district employees attended the Flood Fight class put on by DWR and RD784 annually.					

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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Unit No. 01 Feather River	Right	16.11	03/24/2016 03/24/2016	Sterling York

LM Start	2.17	Rating **	M	Issue No.	36
LM End	3.49	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.981559 °	38.999973 °
				-121.591996 °	-121.597019 °
DWR ID	DWR_LD0001S_01_s_2016_36				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					

Photo 1 of 1 : SP_2016_LD0001S_433_36_20160328_00060.jpg



View of waterside vegetation looking upstream.

LM Start	2.44	Rating **	M	Issue No.	16
LM End	2.44	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.985446 °	38.985446 °
				-121.591930 °	-121.591930 °
DWR ID	DWR_LD0001S_01_s_2015_16				
Comment Code					
MA : Material					
Inspector Comment					
Walnut holes left on waterside of the levee.					

Photo 1 of 1 : SP_2016_LD0001S_433_16_20160307_00005.jpg



View of the material on the waterside of the levee facing upstream.

LM Start	2.72	Rating **	A/W	Issue No.	17
LM End	2.72	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			38.989470 °	38.989470 °
				-121.592502 °	-121.592502 °
DWR ID	DWR_LD0001S_01_s_2015_17				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
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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Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Feather River	Right	16.11	03/24/2016 03/24/2016	Sterling York

LM Start	4.42	Rating **	M	Issue No.	37
LM End	6.10	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			39.011638 °	39.033070 °
				-121.603729 °	-121.610990 °
DWR ID	DWR_LD0001S_01_s_2016_37				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

Photo 1 of 1 : SP_2016_LD0001S_433_37_20160328_00061.jpg



View of landside vegetation looking upstream.

LM Start	4.42	Rating **	M	Issue No.	38
LM End	6.10	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			39.011639 °	39.033070 °
				-121.603729 °	-121.610990 °
DWR ID	DWR_LD0001S_01_s_2016_38				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

Photo 1 of 1 : SP_2016_LD0001S_433_38_20160328_00062.jpg



View of waterside vegetation looking upstream.

LM Start	6.00	Rating **	M	Issue No.	21
LM End	6.00	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			39.031780 °	39.031780 °
				-121.611811 °	-121.611811 °
DWR ID	DWR_LD0001S_01_s_2015_21				
Comment Code					
S3 : Repair the levee slope damaged by vehicle traffic and prevent access where possible.					
Inspector Comment					
Track-walking on slope and tire ruts at waterside toe.					

Photo 1 of 1 : SP_2016_LD0001S_433_21_20160307_00010.jpg



Slope instability was found on the waterside slope of the levee during fall 2015 inspection.

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

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Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Feather River	Right	16.11	03/24/2016 03/24/2016	Sterling York

LM Start	8.30	Rating **	M	Issue No.	39
LM End	9.09	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		39.064574 °	39.075656 °	
			-121.610010 °	-121.606167 °	
DWR ID	DWR_LD0001S_01_s_2016_39				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

LM Start	8.31	Rating **	C	Issue No.	19
LM End	8.31	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Encroachments		39.064799 °	39.064799 °	
			-121.609865 °	-121.609865 °	
DWR ID	DWR_LD0001S_01_f_2015_19				
Comment Code					
TR : Tree or limb					
Inspector Comment					
debris pile of wood trimmings/shavings					

No Photos

LM Start	8.44	Rating **	C	Issue No.	20
LM End	8.44	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Encroachments		39.066486 °	39.066486 °	
			-121.608794 °	-121.608794 °	
DWR ID	DWR_LD0001S_01_f_2015_20				
Comment Code					
TR : Tree or limb					
Inspector Comment					
Debris pile of wood shavings at waterside toe.					

No Photos

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

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Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Feather River	Right	16.11	03/24/2016 03/24/2016	Sterling York

LM Start	8.87	Rating **	C	Issue No.	22
LM End	8.87	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.072503 °	39.072503 °
				-121.606710 °	-121.606710 °
DWR ID	DWR_LD0001S_01_f_2015_22				
Comment Code					
DE : Debris					
Inspector Comment					
Concrete debris piled up on waterside slope.					

No Photos

LM Start	9.36	Rating **	M	Issue No.	40
LM End	10.41	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			39.079265 °	39.093638 °
				-121.604309 °	-121.600098 °
DWR ID	DWR_LD0001S_01_s_2016_40				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

LM Start	9.84	Rating **	C	Issue No.	25
LM End	9.84	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			39.085915 °	39.085915 °
				-121.603733 °	-121.603733 °
DWR ID	DWR_LD0001S_01_f_2015_25				
Comment Code					
S3 : Repair the levee slope damaged by vehicle traffic and prevent access where possible.					
Inspector Comment					
Track walking rutts on landside slope.					

No Photos

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

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Unit No. 01 Feather River	Right	16.11	03/24/2016 03/24/2016	Sterling York

LM Start	11.18	Rating **	M	Issue No.	41
LM End	12.30	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			39.103298 °	39.118812 °
				-121.606473 °	-121.603287 °
DWR ID	DWR_LD0001S_01_s_2016_41				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

Photo 1 of 1 : SP_2016_LD0001S_433_41_20160328_00063.jpg



View of vegetation on landside looking upstream. Spring 2016.

LM Start	11.63	Rating **	U	Issue No.	42
LM End	11.63	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			39.109692 °	39.109692 °
				-121.607142 °	-121.607142 °
DWR ID	DWR_LD0001S_01_s_2016_42				
Comment Code					
S1 : Repair slope instability.					
Inspector Comment					
Erosion on the waterside slope caused by rain.					

Photo 1 of 1 : SP_2016_LD0001S_433_42_20160328_00064.jpg



Slope erosion due to rain on the waterside.

LM Start	13.25	Rating **	M	Issue No.	27
LM End	13.25	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			39.131827 °	39.131827 °
				-121.603233 °	-121.603233 °
DWR ID	DWR_LD0001S_01_f _ 2015_27				
Comment Code					
T3 : Trim and thin trees to allow visibility of the ground and room to flood fight.					
Inspector Comment					
Tree foliage hiding levee face/toe.					

Photo 1 of 1 : SP_2016_LD0001S_433_27_20160328_00068.jpg



Tree at landside levee toe obstructing visibility. Spring 2016.

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

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Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Feather River	Right	16.11	03/24/2016 03/24/2016	Sterling York

LM Start	13.34	Rating **	U	Issue No.	18
LM End	13.34	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			39.133050 °	39.133050 °
				-121.603813 °	-121.603813 °
DWR ID	DWR_LD0001S_01_f_2015_18				
Comment Code					
V7 : Trees / Woody Vegetation					
Inspector Comment					
Overgrown olive trees (6), buckeye (1) and oak trees (2) on slope of levee, branches touching and obscuring levee. Ivy obscuring slope.					

Photo 1 of 2 : SP_2016_LD0001S_433_18_20160307_00006.jpg



Trees and vegetation blocking visibility on the landside slope of the levee. Spring 2016.

LM Start	13.34	Rating **	U	Issue No.	18 (cont)
LM End	13.34	Issue Type +	Ma	Location *	LS

Photo 2 of 2 : SP_2016_LD0001S_433_18_20160307_00007.jpg



Trees and vegetation blocking visibility. Spring 2016.

* 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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Unit No. 01 Feather River	Right	16.11	03/24/2016 03/24/2016	Sterling York

LM Start	13.42	Rating **	U	Issue No.	24
LM End	13.42	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			39.134119 °	39.134119 °
				-121.604213 °	-121.604213 °
DWR ID	DWR_LD0001S_01_f_2015_24				
Comment Code					
V7 : Trees / Woody Vegetation					
Inspector Comment					
Vegetation on the chainlink fence obscuring visibility. Oleander on the levee.					

Photo 1 of 2 : SP_2016_LD0001S_433_24_20160307_00013.jpg



Trees and vegetation blocking visibility on the landside toe of the levee. Spring 2016.

LM Start	13.42	Rating **	U	Issue No.	24 (cont)
LM End	13.42	Issue Type +	Ma	Location *	LS

Photo 2 of 2 : SP_2016_LD0001S_433_24_20160307_00014.jpg



Trees and vegetation blocking visibility. Spring 2016.

LM Start	15.21	Rating **	M	Issue No.	43
LM End	16.11	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			39.156922 °	39.168830 °
				-121.617960 °	-121.622630 °
DWR ID	DWR_LD0001S_01_s_2016_43				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

Photo 1 of 1 : SP_2016_LD0001S_433_43_20160328_00069.jpg



View of landside vegetation looking upstream.

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

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Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Feather River	Right	16.11	03/24/2016 03/24/2016	Sterling York

LM Start	15.53	Rating **	M	Issue No.	44
LM End	16.11	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			39.160594 °	°
				-121.621573 °	°
DWR ID	DWR_LD0001S_01_s_2016_44				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

Photo 1 of 1 : SP_2016_LD0001S_433_44_20160328_00070.jpg



View of waterside vegetation looking 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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