

**Flood Control Project Maintenance
Levee Inspections**
LMA District Cover Sheet
Spring 2019 Levee Inspection Results

Sacramento Maintenance Yard Maintenance Area 0004

	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 2019 Levee Inspection Results

Sacramento Maintenance Yard Maintenance Area 0004

Waterway			Bank	Unit Miles
Unit No. 01 Sacramento River			Right	3.47
	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)				
Date of Inspection	4/2/2019 - 4/2/2019			
DWR Inspector	Luz Dial			
Accompanied By				

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 2019

Sacramento Maintenance Yard Maintenance Area 0004

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	3.47	04/02/2019 04/02/2019	Luz Dial

LM Start		Rating **	A	Issue No.	9
LM End		Issue Type +	Ma	Location *	
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Operations & Maintenance Manuals				
DWR ID	DWR_MA0004_01_s_2013_9				
Comment Code					
Inspector Comment					
The Sacramento Maintenance Yard has copies of their O&M manuals.					

No Photos

LM Start		Rating **	A	Issue No.	10
LM End		Issue Type +	Ma	Location *	
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Emergency Supplies & Equipment				
DWR ID	DWR_MA0004_01_s_2013_10				
Comment Code					
Inspector Comment					
The Sacramento Maintenance Yard has a stockpile of flood response material.					

No Photos

LM Start		Rating **	A	Issue No.	11
LM End		Issue Type +	Ma	Location *	
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Flood Preparedness & Training				
DWR ID	DWR_MA0004_01_s_2013_11				
Comment Code					
Inspector Comment					
The Sacramento Maintenance Yard has a written flood response plan and flood response training.					

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 2019

Sacramento Maintenance Yard Maintenance Area 0004

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	3.47	04/02/2019 04/02/2019	Luz Dial

LM Start	0.00	Rating **	M	Issue No.	16
LM End	0.00	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			38.596823 °	38.596823 °
				-121.547608 °	-121.547608 °
DWR ID	DWR_MA0004_01_s_2016_16				
Comment Code					
S2 : Repair the levee slope damaged by foot traffic and prevent access where possible.					
Inspector Comment					

Photo 1 of 1 : SP_2019_MA0004_298_16_20190307_00008.jpg



View of the slope stability on the waterward side of the levee looking downstream. Spring 2016.

LM Start	0.15	Rating **	A/W	Issue No.	6
LM End	0.15	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			38.596654 °	38.596654 °
				-121.544791 °	-121.544791 °
DWR ID	DWR_MA0004_01_f_2018_6				
Comment Code					
S2 : Repair the levee slope damaged by foot traffic and prevent access where possible.					
Inspector Comment					
Monitor footpath.					

No Photos

LM Start	0.21	Rating **	M	Issue No.	7
LM End	0.22	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			38.596840 °	38.596947 °
				-121.543848 °	-121.543727 °
DWR ID	DWR_MA0004_01_s_2019_7				
Comment Code					
S2 : Repair the levee slope damaged by foot traffic and prevent access where possible.					
Inspector Comment					
Repair footpath and erosion.					

Photo 1 of 1 : SP_2019_MA0004_298_7_20190402_00031.jpg



View looking north at footpath and erosion rills. Spring 2019

* 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	

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2019

Sacramento Maintenance Yard Maintenance Area 0004

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	3.47	04/02/2019 04/02/2019	Luz Dial

LM Start	0.24	Rating **	U	Issue No.	2
LM End	0.24	Issue Type +	En	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.597193 °	38.597193 °
				-121.543421 °	-121.543421 °
DWR ID	DWR_MA0004_01_s_2012_2				
Comment Code					
FE : Fence					
Inspector Comment					
This is the USACE yard, and the chain link fence crosses the levee. The fence runs the length of the yard on the crown.					

Photo 1 of 1 : SP_2019_MA0004_298_2_20190307_00001.jpg



View of the fence blocking access on the crown of the levee looking downstream. Fall 2015.

LM Start	0.41	Rating **	U	Issue No.	15
LM End	0.41	Issue Type +	En	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.598661 °	38.598661 °
				-121.540895 °	-121.540895 °
DWR ID	DWR_MA0004_01_f_2016_15				
Comment Code					
BU : Building					
Inspector Comment					
Chain link fence crosses the levee. USACE facility.					

Photo 1 of 1 : SP_2019_MA0004_298_15_20190307_00007.jpg



View of fence crossing the crown on NE side of USACE facility. Fall 2016.

LM Start	0.71	Rating **	M	Issue No.	8
LM End	0.71	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.600907 °	38.600907 °
				-121.536803 °	-121.536803 °
DWR ID	DWR_MA0004_01_s_2019_8				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

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	

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2019

Sacramento Maintenance Yard Maintenance Area 0004

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	3.47	04/02/2019 04/02/2019	Luz Dial

LM Start	0.75	Rating **	M	Issue No.	30
LM End	0.75	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.601257 °	38.601257 °
				-121.536243 °	-121.536243 °
DWR ID	DWR_MA0004_01_s _ 2019_30				
Comment Code					
TR : Tree or limb					
Inspector Comment					
Remove tree log from the levee easement.					

Photo 1 of 1 : SP_2019_MA0004_298_30_20190402_00032.jpg



View looking north at tree log on waterside easement. Spring 2019

LM Start	0.75	Rating **	M	Issue No.	32
LM End	0.77	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.601355 °	38.601445 °
				-121.536190 °	-121.535957 °
DWR ID	DWR_MA0004_01_s _ 2019_32				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

LM Start	0.77	Rating **	M	Issue No.	31
LM End	0.91	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.601445 °	38.602037 °
				-121.535957 °	-121.533452 °
DWR ID	DWR_MA0004_01_s _ 2019_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 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 2019

Sacramento Maintenance Yard Maintenance Area 0004

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	3.47	04/02/2019 04/02/2019	Luz Dial

LM Start	1.07	Rating **	M	Issue No.	33
LM End	1.33	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		38.602480 °	38.602778 °	
			-121.530630 °	-121.525823 °	
DWR ID	DWR_MA0004_01_s _ 2019_33				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

LM Start	1.21	Rating **	M	Issue No.	34
LM End	1.26	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		38.602723 °	38.602785 °	
			-121.527962 °	-121.527060 °	
DWR ID	DWR_MA0004_01_s _ 2019_34				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

LM Start	2.01	Rating **	M	Issue No.	35
LM End	2.06	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		38.599985 °	38.599343 °	
			-121.514117 °	-121.513580 °	
DWR ID	DWR_MA0004_01_s _ 2019_35				
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 2019

Sacramento Maintenance Yard Maintenance Area 0004

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	3.47	04/02/2019 04/02/2019	Luz Dial

LM Start	2.02	Rating **	M	Issue No.	14
LM End	2.21	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.599813 °	38.597533 °
				-121.513978 °	-121.513134 °
DWR ID	DWR_MA0004_01_s_2017_14				
Comment Code					
FE : Fence					
Inspector Comment					
A fence runs along the toe of the landside levee.					

Photo 1 of 1 : SP_2019_MA0004_298_14_20190307_00006.jpg



View of the fence running along the toe of the landward side of the levee looking downstream. Fall 2015.

LM Start	2.08	Rating **	M	Issue No.	36
LM End	2.10	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.599085 °	38.598917 °
				-121.513393 °	-121.513233 °
DWR ID	DWR_MA0004_01_s_2019_36				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

LM Start	2.13	Rating **	A/W	Issue No.	18
LM End	2.13	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			38.598483 °	38.598483 °
				-121.512922 °	-121.512922 °
DWR ID	DWR_MA0004_01_f_2015_18				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					
Backfill four animal holes.					

Photo 1 of 1 : SP_2019_MA0004_298_18_20190307_00010.jpg



Updated view of animal holes on WS slope. Fall 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	

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2019

Sacramento Maintenance Yard Maintenance Area 0004

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	3.47	04/02/2019 04/02/2019	Luz Dial

LM Start	2.15	Rating **	C	Issue No.	19
LM End	2.15	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.598181 °	38.598181 °
				-121.512862 °	-121.512862 °
DWR ID	DWR_MA0004_01_s _ 2018_19				
Comment Code					
TR : Tree or limb					
Inspector Comment					
Tree limbs still on the crown.					

No Photos

LM Start	2.16	Rating **	M	Issue No.	37
LM End	2.16	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.598162 °	38.598095 °
				-121.512685 °	-121.512677 °
DWR ID	DWR_MA0004_01_s _ 2019_37				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

LM Start	2.18	Rating **	M	Issue No.	13
LM End	2.18	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			38.597932 °	38.597932 °
				-121.512887 °	-121.512887 °
DWR ID	DWR_MA0004_01_s _ 2015_13				
Comment Code					
E2 : Schedule repair of erosion site prior to the next inspection.					
Inspector Comment					

Photo 1 of 2 : SP_2019_MA0004_298_13_20190307_00004.jpg



Runoff erosion is on the shoulder of the landward side. 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	

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2019

Sacramento Maintenance Yard Maintenance Area 0004

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	3.47	04/02/2019 04/02/2019	Luz Dial

LM Start	2.18	Rating **	M	Issue No.	13 (cont)	
LM End	2.18	Issue Type +	Ma	Location *	LS	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start		End
Item	Erosion / Bank Caving			38.597932 °		38.597932 °
				-121.512887 °		-121.512887 °
DWR ID	DWR_MA0004_01_s _ 2015_13					
Comment Code						
E2 : Schedule repair of erosion site prior to the next inspection.						
Inspector Comment						

Photo 2 of 2 : SP_2019_MA0004_298_13_20190307_00005.jpg



Perspective view of the runoff erosion on the landward side of the levee looking upstream. Spring 2016.

LM Start	2.24	Rating **	M	Issue No.	39
LM End	2.33	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.597028 °	38.595877 °
				-121.513263 °	-121.512833 °
DWR ID	DWR_MA0004_01_s _ 2019_39				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

LM Start	2.39	Rating **	M	Issue No.	40
LM End	2.39	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.594965 °	38.594965 °
				-121.512368 °	-121.512368 °
DWR ID	DWR_MA0004_01_s _ 2019_40				
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 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 2019

Sacramento Maintenance Yard Maintenance Area 0004

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	3.47	04/02/2019 04/02/2019	Luz Dial

LM Start	2.43	Rating **	M	Issue No.	41
LM End	2.43	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		38.594507 °	38.594507 °	
			-121.512255 °	-121.512255 °	
DWR ID	DWR_MA0004_01_s _ 2019_41				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

LM Start	2.49	Rating **	U	Issue No.	42
LM End	2.52	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		38.593622 °	38.593207 °	
			-121.512095 °	-121.512032 °	
DWR ID	DWR_MA0004_01_s _ 2019_42				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

LM Start	2.53	Rating **	M	Issue No.	43
LM End	2.56	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		38.593003 °	38.592525 °	
			-121.512025 °	-121.511852 °	
DWR ID	DWR_MA0004_01_s _ 2019_43				
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 2019

Sacramento Maintenance Yard Maintenance Area 0004

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	3.47	04/02/2019 04/02/2019	Luz Dial

LM Start	2.56	Rating **	C	Issue No.	29
LM End	2.56	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.592654 °	38.592654 °
				-121.511913 °	-121.511913 °
DWR ID	DWR_MA0004_01_s_2018_29				
Comment Code					
TR : Tree or limb					
Inspector Comment					
Tree limb still on levee slope.					

No Photos

LM Start	2.57	Rating **	C	Issue No.	26
LM End	2.57	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.592448 °	38.592448 °
				-121.511825 °	-121.511825 °
DWR ID	DWR_MA0004_01_f_2017_26				
Comment Code					
TR : Tree or limb					
Inspector Comment					
Large fallen tree branch still on waterside slope.					

No Photos

LM Start	2.63	Rating **	M	Issue No.	20
LM End	2.63	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			38.591532 °	38.591532 °
				-121.511646 °	-121.511646 °
DWR ID	DWR_MA0004_01_f_2016_20				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					
The rodents have been exterminated, but the hole needs to be backfilled.					

Photo 1 of 1 : SP_2019_MA0004_298_20_20190307_00012.jpg



Large diameter animal burrows on LS slope. Fall 2016.

*** 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

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2019

Sacramento Maintenance Yard Maintenance Area 0004

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	3.47	04/02/2019 04/02/2019	Luz Dial

LM Start	2.65	Rating **	A/W	Issue No.	22
LM End	2.65	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			38.591380 °	38.591380 °
				-121.511345 °	-121.511345 °
DWR ID	DWR_MA0004_01_f_2015_22				
Comment Code					
S2 : Repair the levee slope damaged by foot traffic and prevent access where possible.					
Inspector Comment					

Photo 1 of 1 : SP_2019_MA0004_298_22_20190307_00014.jpg



View looking upstream of the depression on the landward side of the levee due to foot traffic. Fall 2015.

LM Start	2.67	Rating **	M	Issue No.	21
LM End	2.68	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.591228 °	38.591080 °
				-121.511130 °	-121.510994 °
DWR ID	DWR_MA0004_01_f_2016_21				
Comment Code					
V6 : Landscaping					
Inspector Comment					

Photo 1 of 1 : SP_2019_MA0004_298_21_20190307_00013.jpg



View of small trees that block visibility of LS slope. Fall 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

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2019

Sacramento Maintenance Yard Maintenance Area 0004

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	3.47	04/02/2019 04/02/2019	Luz Dial

LM Start	2.69	Rating **	M	Issue No.	49
LM End	2.69	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.590910 °	38.590910 °
				-121.510830 °	-121.510830 °
DWR ID	19405				
Comment Code					
Inspector Comment					
FS_ID:41443 DS_ID:19405 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Found during the field survey, not listed in the desk study. FIELD_STRUCT_DESC: 6-inch steel sewer line from the public facility of the boat launching area. No other details available. FS Date: 9/12/2012					

Photo 1 of 2 : UCIP_SP_2019_41443_9371.jpg



Landside view- manhole on the side of the levee and a road.

LM Start	2.69	Rating **	M	Issue No.	49 (cont)
LM End	2.69	Issue Type +	En	Location *	

Photo 2 of 2 : UCIP_SP_2019_41443_9370.jpg



Waterside view- public facility in the background.

* 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 2019

Sacramento Maintenance Yard Maintenance Area 0004

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	3.47	04/02/2019 04/02/2019	Luz Dial

LM Start	2.70	Rating **	M	Issue No.	17
LM End	2.70	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			38.590802 °	38.590802 °
				-121.510736 °	-121.510736 °
DWR ID	DWR_MA0004_01_f_2018_17				
Comment Code					
S3 : Repair the levee slope damaged by vehicle traffic and prevent access where possible.					
Inspector Comment					
Repair slope damage from vehicular traffic bypassing gate. Recommend placement of a barrier.					

Photo 1 of 1 : SP_2019_MA0004_298_17_20190307_00009.jpg



View of slope damage from vehicular traffic bypassing gate. Fall 2018

LM Start	2.71	Rating **	M	Issue No.	44
LM End	2.71	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Repair Gates			38.590780 °	38.590780 °
				-121.510645 °	-121.510645 °
DWR ID	DWR_MA0004_01_s_2019_44				
Comment Code					
Inspector Comment					
Add lock to the gate.					

No Photos

LM Start	2.71	Rating **	M	Issue No.	45
LM End	2.81	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.590780 °	38.589887 °
				-121.510645 °	-121.509242 °
DWR ID	DWR_MA0004_01_s_2019_45				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

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	

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2019

Sacramento Maintenance Yard Maintenance Area 0004

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	3.47	04/02/2019 04/02/2019	Luz Dial

LM Start	2.75	Rating **	M	Issue No.	46
LM End	2.80	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.590352 °	38.589895 °
				-121.510138 °	-121.509272 °
DWR ID	DWR_MA0004_01_s_2019_46				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

LM Start	2.77	Rating **	M	Issue No.	50
LM End	2.77	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.590140 °	38.590140 °
				-121.509750 °	-121.509750 °
DWR ID	19406				
Comment Code					
Inspector Comment					
FS_ID:41485 DS_ID:19406 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Found during field survey. Not listed in the desk study. FIELD_STRUCT_DESC: 1 of 2: 3-inch wrapped galvanized iron (GI) water pipe through the levee, at an unknown depth. Pipe daylights in a metal cage box. Valve box for the pipe is also found. FS Date: 9/12/2012					

Photo 1 of 3 : UCIP_SP_2019_41485_9367.jpg



Landside overview

* 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 2019

Sacramento Maintenance Yard Maintenance Area 0004

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	3.47	04/02/2019 04/02/2019	Luz Dial

LM Start	2.77	Rating **	M	Issue No.	50 (cont)	
LM End	2.77	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			38.590140 °	38.590140 °	
				-121.509750 °	-121.509750 °	
DWR ID	19406					
Comment Code						
Inspector Comment						
FS_ID:41485						
DS_ID:19406						
EP_NO: N/A						
Repair Type: Non-Urgent						
Crossing Status: Found						
UCIP Comments: Found during field survey. Not listed in the desk study.						
FIELD_STRUCT_DESC: 1 of 2: 3-inch wrapped galvanized iron (GI)						
water pipe through the levee, at an unknown depth. Pipe daylights in a						
metal cage box. Valve box for the pipe is also found.						
FS Date: 9/12/2012						

Photo 2 of 3 : UCIP_SP_2019_41485_9366.jpg



Waterside view- pipe daylight in a metal cage.

LM Start	2.77	Rating **	M	Issue No.	50 (cont)
LM End	2.77	Issue Type +	En	Location *	

Photo 3 of 3 : UCIP_SP_2019_41485_9365.jpg



Waterside view- a manhole/control valve box.

* 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 2019

Sacramento Maintenance Yard Maintenance Area 0004

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	3.47	04/02/2019 04/02/2019	Luz Dial

LM Start	2.81	Rating **	M	Issue No.	25
LM End	2.81	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			38.589834 °	38.589834 °
				-121.509110 °	-121.509110 °
DWR ID	DWR_MA0004_01_f_2018_25				
Comment Code					
S3 : Repair the levee slope damaged by vehicle traffic and prevent access where possible.					
Inspector Comment					
Repair slope damage from vehicular traffic.					

Photo 1 of 1 : SP_2019_MA0004_298_25_20190307_00017.jpg



View of slope damage from vehicular traffic. Fall 2018

LM Start	2.82	Rating **	M	Issue No.	51
LM End	2.82	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.590130 °	38.590130 °
				-121.508740 °	-121.508740 °
DWR ID	19407				
Comment Code					
Inspector Comment					
FS_ID:41486 DS_ID:19407 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Found during field survey, not listed in the desk study. FIELD_STRUCT_DESC: 2 of 2: 5-inch wrapped galvanized iron (GI) water pipe through the levee, at an unknown depth. Pipe daylights in a metal cage box. Valve box for the pipe is also found. FS Date: 9/12/2012					

Photo 1 of 2 : UCIP_SP_2019_41486_9369.jpg



Waterside view- pipe daylight in a cage.

* 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 2019

Sacramento Maintenance Yard Maintenance Area 0004

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	3.47	04/02/2019 04/02/2019	Luz Dial

LM Start	2.82	Rating **	M	Issue No.	51 (cont)	
LM End	2.82	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			38.590130 °	38.590130 °	
				-121.508740 °	-121.508740 °	
DWR ID	19407					
Comment Code						
Inspector Comment						
FS_ID:41486 DS_ID:19407 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Found during field survey, not listed in the desk study. FIELD_STRUCT_DESC: 2 of 2: 5-inch wrapped galvanized iron (GI) water pipe through the levee, at an unknown depth. Pipe daylights in a metal cage box. Valve box for the pipe is also found. FS Date: 9/12/2012						

Photo 2 of 2 : UCIP_SP_2019_41486_9368.jpg



Waterside view- manhole/control valve.

LM Start	2.82	Rating **	M	Issue No.	47
LM End	2.83	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.589778 °	38.589715 °
				-121.508940 °	-121.508762 °
DWR ID	DWR_MA0004_01_s_2019_47				
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 2019

Sacramento Maintenance Yard Maintenance Area 0004

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	3.47	04/02/2019 04/02/2019	Luz Dial

LM Start	2.91	Rating **	A/W	Issue No.	24
LM End	2.91	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			38.588937 °	38.588937 °
				-121.507920 °	-121.507920 °
DWR ID	DWR_MA0004_01_s_2018_24				
Comment Code					
S2 : Repair the levee slope damaged by foot traffic and prevent access where possible.					
Inspector Comment					
Footpath on landside slope. LMA added river rock to stabilize slope.					

Photo 1 of 1 : SP_2019_MA0004_298_24_20190307_00016.jpg



View looking downstream of the slope stability issue due to foot traffic on the waterward side of the levee . Fall 2015.

LM Start	2.92	Rating **	U	Issue No.	23
LM End	2.95	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.588762 °	38.588384 °
				-121.507951 °	-121.507894 °
DWR ID	DWR_MA0004_01_f_2016_23				
Comment Code					
FE : Fence					
Inspector Comment					

Photo 1 of 1 : SP_2019_MA0004_298_23_20190307_00015.jpg



View of fence on LS slope. Fall 2016.

LM Start	2.92	Rating **	M	Issue No.	28
LM End	2.92	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			38.588740 °	38.588740 °
				-121.507894 °	-121.507894 °
DWR ID	DWR_MA0004_01_f_2018_28				
Comment Code					
S2 : Repair the levee slope damaged by foot traffic and prevent access where possible.					
Inspector Comment					
Repair slope damage/caving due to foot traffic.					

Photo 1 of 1 : SP_2019_MA0004_298_28_20190307_00020.jpg



View of slope damage from foot traffic. Fall 2018

*** 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

**Flood Control Project Maintenance
Levee Inspections**

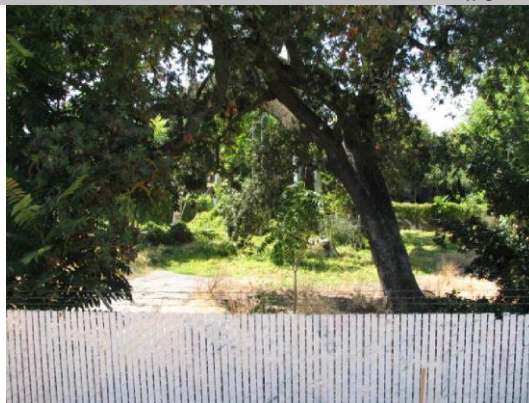
Levee Inspection Report By Mile - Spring 2019

Sacramento Maintenance Yard Maintenance Area 0004

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	3.47	04/02/2019 04/02/2019	Luz Dial

LM Start	2.93	Rating **	M	Issue No.	52
LM End	2.93	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.588688 °	38.588688 °
				-121.507910 °	-121.507910 °
DWR ID	18883				
Comment Code					
Inspector Comment					
FS_ID:41557 DS_ID:18883 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Abandoned 7-inch pipe found. Needs to be abandoned properly. FIELD_STRUCT_DESC: *ABANDONED* 2 of 4: 7-inch pipe of an unknown material or purpose through the levee, 18.6 feet below the crown. Unable to locate. Pipe exposed and extends 10 feet from the bank and 5 feet above current water surface. Needs to be removed or grouted. [Additional Reference(s): DWR Levee Log, 2005. USACE Sacramento O&M Manual 116, August 1955, (RM 59.65)]. FS Date: 9/12/2012					

Photo 1 of 3 : UCIP_SP_2019_41557_9767.jpg



Land side view- Water tower area.

LM Start	2.93	Rating **	M	Issue No.	52 (cont)
LM End	2.93	Issue Type +	En	Location *	

Photo 2 of 3 : UCIP_SP_2019_41557_9770.jpg



Land side view- abandoned pipes inside the tower area

* 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 2019

Sacramento Maintenance Yard Maintenance Area 0004

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	3.47	04/02/2019 04/02/2019	Luz Dial

LM Start	2.93	Rating **	M	Issue No.	52 (cont)	
LM End	2.93	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP Field Study			38.588688 °	38.588688 °	
				-121.507910 °	-121.507910 °	
DWR ID	18883					
Comment Code						
Inspector Comment						
FS_ID:41557						
DS_ID:18883						
EP_NO: N/A						
Repair Type: Non-Urgent						
Crossing Status: Found						
UCIP Comments: Abandoned 7-inch pipe found. Needs to be abandoned properly.						
FIELD_STRUCT_DESC: *ABANDONED* 2 of 4: 7-inch pipe of an unknown material or purpose through the levee, 18.6 feet below the crown. Unable to locate. Pipe exposed and extends 10 feet from the bank and 5 feet above current water surface. Needs to be removed or grouted. [Additional Reference(s): DWR Levee Log, 2005. USACE Sacramento O&M Manual 116, August 1955, (RM 59.65)].						
FS Date: 9/12/2012						

Photo 3 of 3 : UCIP_SP_2019_41557_9769.jpg



Land side view- abandoned pipes inside the tower area.

LM Start	2.95	Rating **	M	Issue No.	48
LM End	2.97	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.588297 °	38.588075 °
				-121.507875 °	-121.507875 °
DWR ID	DWR_MA0004_01_s_2019_48				
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 2019

Sacramento Maintenance Yard Maintenance Area 0004

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	3.47	04/02/2019 04/02/2019	Luz Dial

LM Start	3.08	Rating **	A/W	Issue No.	12
LM End	3.45	Issue Type +	En	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.586434 °	38.581349 °
				-121.508090 °	-121.509547 °
DWR ID	DWR_MA0004_01_s_2012_12				
Comment Code					
V6 : Landscaping					
Inspector Comment					
West Sacramento's River Walk runs from Tower Bridge to the I Street bridge.					

Photo 1 of 2 : SP_2019_MA0004_298_12_20190307_00002.jpg



The Riverwalk is part of the landscape on the levee. Fall 2015.

LM Start	3.08	Rating **	A/W	Issue No.	12 (cont)
LM End	3.45	Issue Type +	En	Location *	WS

Photo 2 of 2 : SP_2019_MA0004_298_12_20190307_00003.jpg



Landscaping and buildings are on the crown and waterward side of the levee. Fall 2015.

LM Start	3.24	Rating **	M	Issue No.	27
LM End	3.29	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.584168 °	38.583435 °
				-121.508632 °	-121.508785 °
DWR ID	DWR_MA0004_01_f_2015_27				
Comment Code					
FE : Fence					
Inspector Comment					
Fence on the levee shoulder.					

Photo 1 of 2 : SP_2019_MA0004_298_27_20190307_00018.jpg



View looking downstream of the fence on the crown of the levee . Fall 2015.

* 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	

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2019

Sacramento Maintenance Yard Maintenance Area 0004

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	3.47	04/02/2019 04/02/2019	Luz Dial

LM Start	3.24	Rating **	M	Issue No.	27 (cont)	
LM End	3.29	Issue Type +	En	Location *	LS	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start	End	
Item	Encroachments			38.584168 °	38.583435 °	
				-121.508632 °	-121.508785 °	
DWR ID	DWR_MA0004_01_f_2015_27					
Comment Code						
FE : Fence						
Inspector Comment						
Fence on the levee shoulder.						

Photo 2 of 2 : SP_2019_MA0004_298_27_20190307_00019.jpg



View looking downstream of the inside of the fence . Fall 2015.

* 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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