

**Flood Control Project Maintenance
Levee Inspections
LMA District Cover Sheet
Spring 2013 Levee Inspection Results**

Reclamation District No. 0017 Mossdale

	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 2013 Levee Inspection Results

Reclamation District No. 0017 Mossdale

Waterway	Bank	Unit Miles
Unit No. 01 French Camp Slough	Left	1.79

	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)				
Date of Inspection	04/09/2013 - 04/09/2013			
DWR Inspector	Richard Willoughby			
Accompanied By	Robert Winter KSN			

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 2013

Reclamation District No. 0017 Mossdale

Waterway				Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 French Camp Slough				Left	1.79	04/09/2013 04/09/2013	Richard Willoughby

LMIR No.	Levee Mile		Category	Item	Location	Rating	Action/Comment	GPS Latitude/Longitude		Issue No. Photo
	Start	End						Start	End	
1	0.00	0.00		Operations & Maintenance Manuals	WS	A Ma		°	°	1
								DWR ID: DWR_RD0017_01_s_2013_1		
2	0.00	0.00		Emergency Supplies & Equipment	WS	A Ma		°	°	2
								DWR ID: DWR_RD0017_01_s_2013_2		
3	0.00	0.00		Flood Preparedness & Training	WS	A Ma		°	°	3
								DWR ID: DWR_RD0017_01_s_2013_3		
4	0.00	1.78		Vegetation	LS	M Ma	V1 : Control annual grass and weeds on the levee slopes and easements.	37.914153 ° -121.300893 °	37.915958 ° -121.320745 °	4 Y
								DWR ID: DWR_RD0017_01_s_2013_4		
5	0.00	1.78		Vegetation	WS	M Ma	V1 : Control annual grass and weeds on the levee slopes and easements.	37.914972 ° -121.302007 °	37.915960 ° -121.320748 °	5 Y
								DWR ID: DWR_RD0017_01_s_2013_5		
6	0.47	0.47		Encroachments	LS	M En	BU : Building Inspector Comments: Tool shed within fifteen of levee toe.	37.912757 ° -121.298397 °	37.912757 ° -121.298397 °	7 Y
								DWR ID: DWR_RD0017_01_s_2013_7		
7	0.71	0.71		Encroachments	WS	M Ma	PR : Prunings Inspector Comments: Prunings on waterward shoulder.	37.914795 ° -121.301662 °	37.914795 ° -121.301662 °	8
								DWR ID: DWR_RD0017_01_s_2013_8		
8	0.89	0.98		Vegetation	WSA/W	V8 : Environmental Requirements. Ob		37.915087 ° -121.304833 °	37.915295 ° -121.306385 °	6
								DWR ID: DWR_RD0017_01_s_2013_6		

* 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 2013

Reclamation District No. 0017 Mossdale

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 French Camp Slough	Left	1.79	04/09/2013 04/09/2013	Richard Willoughby

Levee Mile Report Line	4
Start Levee Mile	0.00
End Levee Mile	1.78
Location	Land Side
Category	
Item	Vegetation
Looking at typical view of landward slope.	
richard_s_20130411_062.JPG	



Levee Mile Report Line	5
Start Levee Mile	0.00
End Levee Mile	1.78
Location	Water Side
Category	
Item	Vegetation
Looking north at typical view of waterward slope.	
richard_s_20130411_063.JPG	



Levee Mile Report Line	6
Start Levee Mile	0.47
End Levee Mile	0.47
Location	Land Side
Category	
Item	Encroachments
Looking west at tool shed on landside berm.	
richard_s_20130411_060.JPG	



* 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 2013

Reclamation District No. 0017 Mossdale

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 French Camp Slough	Left	1.79	04/09/2013 04/09/2013	Richard Willoughby

Levee Mile Report Line	6
Start Levee Mile	0.47
End Levee Mile	0.47
Location	Land Side
Category	
Item	Encroachments
Looking northwest at tool shed on landside berm.	
richard_s_20130411_061.JPG	



* 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**

Unit Cover Sheet

Spring 2013 Levee Inspection Results

Reclamation District No. 0017 Mossdale

Waterway	Bank	Unit Miles
Unit No. 02 San Joaquin River	Right	14.45

	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)				
Date of Inspection	04/09/2013 - 04/09/2013			
DWR Inspector	Richard Willoughby			
Accompanied By	Robert Winter KSN			

Summer & Winter Inspections

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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2013

Reclamation District No. 0017 Mossdale

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River	Right	14.45	04/09/2013 04/09/2013	Richard Willoughby

LMR No.	Levee Mile		Category	Item	Location * + Rating	Action/Comment	GPS Latitude/Longitude		Issue No. Photo
	Start	End					Start	End	
14	5.55	5.55		Trim / Thin Trees	LS A/W Ma	T4 : Trim trees over roadway to at least 12 feet above ground level.	37.850652 ° -121.320498 °	37.850652 ° -121.320498 °	568
DWR ID: DWR_RD0017_02_s_2012_568									
15	5.58	5.58		Animal Control	LS A/W Ma	A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.	37.850118 ° -121.320188 °	37.850118 ° -121.320188 °	76
DWR ID: DWR_RD0017_02_s_2012_76									
16	5.62	5.85		Vegetation	LS U En	V6 : Landscaping	37.849472 ° -121.320159 °	37.848582 ° -121.323647 °	54 Y
DWR ID: DWR_RD0017_02_s_2012_54									
17	5.77	5.77		Vegetation	WSA/W Ma	V4 : Elderberries are blocking visibility and flood fight capability.	37.849267 ° -121.322590 °	37.849267 ° -121.322590 °	19
DWR ID: DWR_RD0017_02_s_2012_19									
18	5.98	5.98		Vegetation	LS M Ma	V2 : Remove the wild growth other than native grasses from the levee slopes. Inspector Comments: Cactus on landside toe.	37.847107 ° -121.323238 °	37.847107 ° -121.323238 °	16 Y
DWR ID: DWR_RD0017_02_s_2013_16									
19	6.00	6.00		Encroachments	LS M En	EQ : Equipment Inspector Comments: Equipment should be removed outside the ten foot easement.	37.846935 ° -121.323045 °	37.846935 ° -121.323045 °	17 Y
DWR ID: DWR_RD0017_02_s_2013_17									
20	6.82	7.07		Encroachments	LS A/W En	CR : Crops Inspector Comments: Alfalfa five feet from levee toe.	37.838668 ° -121.316663 °	37.835402 ° -121.315262 °	13
DWR ID: DWR_RD0017_02_s_2012_13									
21	7.29	7.29		Trim / Thin Trees	LS M Ma	T1 : Trim trees to at least five feet above ground level.	37.833162 ° -121.312715 °	37.833162 ° -121.312715 °	18
DWR ID: DWR_RD0017_02_s_2013_18									
22	7.51	7.51		Trim / Thin Trees	LS M Ma	T1 : Trim trees to at least five feet above ground level.	37.830350 ° -121.310880 °	37.830350 ° -121.310880 °	4
DWR ID: DWR_RD0017_02_s_2012_4									
23	7.67	7.69		Vegetation	LS M Ma	V4 : Elderberries are blocking visibility and flood fight capability.	37.828095 ° -121.309945 °	37.827920 ° -121.309847 °	25 Y
DWR ID: DWR_RD0017_02_s_2012_25									
24	9.40	9.40		Vegetation	LS M Ma	V4 : Elderberries are blocking visibility and flood fight capability.	37.815243 ° -121.317470 °	37.815243 ° -121.317470 °	9
DWR ID: DWR_RD0017_02_s_2012_9									
25	12.47	12.47		Encroachments	WSA/W Ma	PI : Pipe Inspector Comments: Abandoned irrigation pipe	37.791269 ° -121.306252 °	37.791269 ° -121.306252 °	569 Y
DWR ID: DWR_RD0017_02_f_2012_569									
26	13.43	13.43		Trim / Thin Trees	LS A/W Ma	T1 : Trim trees to at least five feet above ground level.	37.779633 ° -121.299992 °	37.779633 ° -121.299992 °	570
DWR ID: DWR_RD0017_02_s_2012_570									
27	14.02	14.26		Animal Control	WSA/W Ma	A1 : Exterminate rodents and backfill and compact or grout burrows.	37.774285 ° -121.295703 °	37.773138 ° -121.291763 °	37
DWR ID: DWR_RD0017_02_s_2012_37									
28	14.04	14.44		Animal Control	LS A/W Ma	A1 : Exterminate rodents and backfill and compact or grout burrows.	37.774262 ° -121.295305 °	37.772163 ° -121.289295 °	38
DWR ID: DWR_RD0017_02_s_2012_38									

* 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 2013

Reclamation District No. 0017 Mossdale

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River	Right	14.45	04/09/2013 04/09/2013	Richard Willoughby

Levee Mile Report Line	3
Start Levee Mile	0.83
End Levee Mile	0.83
Location	Land Side
Category	
Item	Encroachments
Looking west at new cactus plantings on landside toe.	
richard_s_20130304_270.jpg	



Levee Mile Report Line	3
Start Levee Mile	0.83
End Levee Mile	0.83
Location	Land Side
Category	
Item	Encroachments
Looking at north end of cactus on landward toe and berm.	
richard_s_20130411_064.JPG	



Levee Mile Report Line	4
Start Levee Mile	1.08
End Levee Mile	1.08
Location	Water Side
Category	Supplemental
Item	DWR Erosion Survey
Front view of erosion site. Note the concrete blocks and vegetation.	
richard_s_20130304_268.jpg	



* 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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Levee Inspections**

Levee Inspection Report By Mile - Spring 2013

Reclamation District No. 0017 Mossdale

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River	Right	14.45	04/09/2013 04/09/2013	Richard Willoughby

Levee Mile Report Line	6
Start Levee Mile	3.46
End Levee Mile	3.46
Location	Water Side
Category	Supplemental
Item	DWR Erosion Survey

Front view of the site. Note the riprap protection next to the site.

richard_s_20130304_269.jpg



Levee Mile Report Line	8
Start Levee Mile	4.24
End Levee Mile	4.27
Location	Land Side
Category	
Item	Vegetation

Looking southeast at dense ground cover on landside slope.

richard_s_20130304_277.jpg



Levee Mile Report Line	9
Start Levee Mile	4.28
End Levee Mile	4.32
Location	Land Side
Category	
Item	Encroachments

Grape vines on landside slope from LM 4.28 to 4.32

richard_s_20130304_271.jpg



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

Levee Inspection Report By Mile - Spring 2013

Reclamation District No. 0017 Mossdale

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River	Right	14.45	04/09/2013 04/09/2013	Richard Willoughby

Levee Mile Report Line	9
Start Levee Mile	4.28
End Levee Mile	4.32
Location	Land Side
Category	
Item	Encroachments
Looking southeast at grape vines on landside slope	
richard_s_20130304_272.jpg	



Levee Mile Report Line	9
Start Levee Mile	4.28
End Levee Mile	4.32
Location	Land Side
Category	
Item	Encroachments
Looking south at landscaping with grape vines on landside slope	
richard_s_20130304_273.jpg	



Levee Mile Report Line	9
Start Levee Mile	4.28
End Levee Mile	4.32
Location	Land Side
Category	
Item	Encroachments
Looking northeast at dense landscaping on landside slope.	
richard_s_20130304_274.jpg	



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**Flood Control Project Maintenance
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Levee Inspection Report By Mile - Spring 2013

Reclamation District No. 0017 Mossdale

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River	Right	14.45	04/09/2013 04/09/2013	Richard Willoughby

Levee Mile Report Line	10
Start Levee Mile	4.42
End Levee Mile	4.44
Location	Land Side
Category	
Item	Vegetation
Looking southeast at ground cover on landside slope.	
richard_s_20130304_266.jpg	



Levee Mile Report Line	10
Start Levee Mile	4.42
End Levee Mile	4.44
Location	Land Side
Category	
Item	Vegetation
Looking southwest at landscaping and boat dock on waterside slope and channel.	
richard_s_20130304_267.jpg	



Levee Mile Report Line	13
Start Levee Mile	5.43
End Levee Mile	5.43
Location	Water Side
Category	Supplemental
Item	DWR Erosion Survey
Close view of the erosion and the pipe	
richard_s_20130304_275.jpg	



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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2013

Reclamation District No. 0017 Mossdale

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River	Right	14.45	04/09/2013 04/09/2013	Richard Willoughby

Levee Mile Report Line	16
Start Levee Mile	5.62
End Levee Mile	5.85
Location	Land Side
Category	
Item	Vegetation
Looking south at overgrown landscaping on waterside slope.	
richard_s_20130304_278.jpg	



Levee Mile Report Line	16
Start Levee Mile	5.62
End Levee Mile	5.85
Location	Land Side
Category	
Item	Vegetation
Looking west at landscaping on waterside slope.	
richard_s_20130304_279.jpg	



Levee Mile Report Line	18
Start Levee Mile	5.98
End Levee Mile	5.98
Location	Land Side
Category	
Item	Vegetation
Looking southeast at cactus on landward toe.	
richard_s_20130411_065.JPG	



* 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 2013

Reclamation District No. 0017 Mossdale

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River	Right	14.45	04/09/2013 04/09/2013	Richard Willoughby

Levee Mile Report Line	19
Start Levee Mile	6.00
End Levee Mile	6.00
Location	Land Side
Category	
Item	Encroachments
Looking east at farm equipment on landward toe.	
richard_s_20130411_066.JPG	



Levee Mile Report Line	23
Start Levee Mile	7.67
End Levee Mile	7.69
Location	Land Side
Category	
Item	Vegetation
Elderberry blocking view of landside slope and toe from LM 7.67 to 7.69	
richard_s_20130304_276.jpg	



Levee Mile Report Line	25
Start Levee Mile	12.47
End Levee Mile	12.47
Location	Water Side
Category	
Item	Encroachments
Looking west at disconnected pipe on waterside slope.	
richard_s_20130304_280.JPG	



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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2013

Reclamation District No. 0017 Mossdale

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River	Right	14.45	04/09/2013 04/09/2013	Richard Willoughby

Levee Mile Report Line	25
Start Levee Mile	12.47
End Levee Mile	12.47
Location	Water Side
Category	
Item	Encroachments
Looking southwest at siphon on waterside shoulder and slope.	
richard_s_20130304_281.JPG	



Levee Mile Report Line	25
Start Levee Mile	12.47
End Levee Mile	12.47
Location	Water Side
Category	
Item	Encroachments
Looking southeast at cap on abandoned irrigation pipe on waterward slope.	
richard_s_20130411_067.JPG	



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