

**Flood Control Project Maintenance  
Levee Inspections**

**Fall 2010 Levee Maintenance Deficiency Summary Report**

**Overall LMA & Unit Ratings, including USACE Erosion Survey**

**Sacramento River Basin**

RD1500 Reclamation District No. 1500 Sutter Basin	Overall LMA Rating	Total LMA Miles	* Overall LMA Threshold Percent is less than 10.00%; however, U Rated Miles are present, so the Overall LMA Rating is M instead of A.			
	M *	54.35				
Rated Item	M Miles	U Miles	M + 4U Miles	Threshold %	Encroachments PO Miles CO Miles	
Vegetation	0.24		0.24	0.44%		
Trim / Thin Trees	0.27		0.27	0.50%		
Encroachments	0.10		0.10	0.18%	6.77	0.05
Animal Control	0.10		0.10	0.18%		
Erosion / Bank Caving	0.02		0.02	0.04%		
Crown Surface / Depressions / Rutting	0.01		0.01	0.02%		
USACE Erosion Survey	1.43	0.21	2.27	4.18%		
<i>LMA Totals:</i>	2.17	0.21	3.01	5.54% *	6.77	0.05

Unit No. 01 Sacramento River	Overall Unit Rating	Total Unit Miles	* Overall Unit Threshold Percent is less than 10.00%; however, U Rated Miles are present, so the Overall Unit Rating is M instead of A.			
	M *	33.58				
Rated Item	M Miles	U Miles	M + 4U Miles	Threshold %	Encroachments PO Miles CO Miles	
Vegetation	0.24		0.24	0.72%		
Trim / Thin Trees	0.27		0.27	0.80%		
Encroachments	0.09		0.09	0.27%	6.77	0.05
Animal Control	0.08		0.08	0.24%		
Erosion / Bank Caving	0.02		0.02	0.06%		
USACE Erosion Survey	1.43	0.21	2.27	6.76%		
<i>Unit Totals:</i>	2.13	0.21	2.97	8.84% *	6.77	0.05

Unit No. 02 Sutter Bypass	Overall Unit Rating	Total Unit Miles				
	A	20.77				
Rated Item	M Miles	U Miles	M + 4U Miles	Threshold %	Encroachments PO Miles CO Miles	
Encroachments	0.01		0.01	0.05%		
Animal Control	0.02		0.02	0.10%		
Crown Surface / Depressions / Rutting	0.01		0.01	0.05%		
<i>Unit Totals:</i>	0.04	0.00	0.04	0.19%	0.00	0.00

**Flood Control Project Maintenance  
Levee Inspections**  
**LMA District Cover Sheet**  
**Fall 2010 Levee Inspection Results**

**Reclamation District No. 1500 Sutter Basin**

	Spring (March - May)	Summer ** (June - August)	Fall (September - November)	Winter ** (December - February)
* Overall LMA Rating (Fall Only)			<b>M</b>	

\*\* 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.

Comments


**Flood Control Project Maintenance  
Levee Inspections**

**Unit Cover Sheet**

**Fall 2010 Levee Inspection Results**

**Reclamation District No. 1500 Sutter Basin**

Waterway		Bank	Unit Miles
Unit No. 01 Sacramento River		Left	33.58

	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)			<b>M</b>	
Date of Inspection	3/16/2010		10/12/2010	
DWR Inspector	John Williamson		John Williamson	
Accompanied By				

Check one:

During the current winter (or summer) inspection period, my staff or I have inspected the levee and associated flood project components identified in the attached Levee Inspection Report by Mile. We have found no changes in flood project conditions other than the results of our normal maintenance and the corrections we have made to maintenance deficiencies identified in the enclosed report.

During the current winter (or summer) inspection period, my staff or I have inspected the levee and associated flood project components identified in the attached Levee Inspection Report by Mile. In addition to the results of our normal maintenance and the corrections we have made to maintenance deficiencies identified in the report, we have found the following changes in flood project conditions.

(In the comment section below or on additional sheet(s), identify change of condition by: Start to End Levee Mile or GPS coordinates, location (Land Side, Water Side, or Crown), Item identification, and description of the current condition).

Comments

One of the boxes above is to be checked by the Local Maintaining Agency (LMA). If the second box is checked, additional information must also be submitted. This Unit Cover Sheet should be signed and dated by the LMA Representative and returned to DWR with any additional sheets by September 30 (Summer Inspection) or March 31 (Winter Inspection). Please retain a copy for your records. Please mail all of this information to :

DWR Summer/Winter Inspection Reports  
3310 El Camino Avenue, Room LL-30  
Sacramento, CA 95821-9000


**X**

Signature of LMA Representative

Date

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2010**

**Reclamation District No. 1500 Sutter Basin**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	33.58	10/14/2010 10/19/2010	John Williamson

LMR No.	Levee Mile		Category	Item	* Location	** Rating	Action/Comment	GPS Latitude/Longitude		Issue No. Photo
	Start	End						Start	End	
1	0.00	0.00	Earthen Levee	Animal Control	CR	C	Exterminate rodents and backfill and compact or grout burrows.	38.761070 ° -121.674685 °	38.761070 ° -121.674685 °	1
2	0.03	0.03	Earthen Levee	Animal Control	CR	M	Exterminate rodents and backfill and compact or grout burrows.	38.761042 ° -121.675018 °	38.761042 ° -121.675018 °	959 Y
3	0.03	0.03	Earthen Levee	Encroachments	LS	M	Firewood	38.761045 ° -121.675225 °	38.761045 ° -121.675225 °	15 Y
4	0.03	0.03	Earthen Levee	Animal Control	LS	M	Exterminate rodents and backfill and compact or grout burrows. Inspector Comments: There are several rodent holes in the area.	38.761015 ° -121.675235 °	38.761015 ° -121.675235 °	19 Y
5	0.05	0.32	Earthen Levee	Trim / Thin Trees	LS	M	Trim trees to at least five feet above ground level. Inspector Comments: The walnut trees after harvest need to be trimmed up for the 5' clearness.	38.761060 ° -121.675505 °	38.763268 ° -121.679098 °	53
6	0.06	0.06	Earthen Levee	Animal Control	LS	C	Exterminate rodents and backfill and compact or grout burrows.	38.761027 ° -121.675705 °	38.761027 ° -121.675705 °	985
7	0.08	0.08	Earthen Levee	Animal Control	WS	C	Exterminate rodents and backfill and compact or grout burrows.	38.761061 ° -121.676007 °	38.761061 ° -121.676007 °	986
8	0.27	0.27	Earthen Levee	Animal Control	LS	C	Exterminate rodents and backfill and compact or grout burrows.	38.762649 ° -121.678591 °	38.762649 ° -121.678591 °	987
9	0.49	0.49	Earthen Levee	Encroachments	LS	C	Prunings	38.764478 ° -121.681888 °	38.764478 ° -121.681888 °	2
10	0.51	0.51	Earthen Levee	Animal Control	LS	M	Exterminate rodents and backfill and compact or grout burrows.	38.764484 ° -121.681848 °	38.764484 ° -121.681848 °	960
11	1.30	1.30	Earthen Levee	Encroachments	WS	PO	Buildings Inspector Comments: pump house	38.769702 ° -121.691088 °	38.769702 ° -121.691088 °	3
12	1.34	1.34	Earthen Levee	Encroachments	LS	PO	Landscaping Inspector Comments: retaining wall into levee	38.770003 ° -121.690607 °	38.770003 ° -121.690607 °	4 Y
13	1.45	1.45	Earthen Levee	Encroachments	WS	C	Debris	38.770871 ° -121.688859 °	38.770871 ° -121.688859 °	5
14	2.57	3.83	Earthen Levee	Encroachments	LS	PO	Agricultural Ditch	38.785351 ° -121.689075 °	38.797174 ° -121.693045 °	963 Y
15	2.95	2.95	Earthen Levee	Vegetation	WS	C	Remove the wild growth other than native grasses from the levee slopes. Inspector Comments: tree fell has been cut to clear crown need to finish cutting up and clear vegetation on slope	38.789107 ° -121.684616 °	38.789107 ° -121.684616 °	988
16	3.73	3.73	Earthen Levee	Encroachments	WS	PO	Buildings	38.797139 ° -121.691137 °	38.797139 ° -121.691137 °	6
17	3.98	3.98	Earthen Levee	Encroachments	LS	PO	Buildings	38.797607 ° -121.695862 °	38.797607 ° -121.695862 °	7

<b>* Location</b> LS : Land Side WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable PO : Partially Obstructing CO : Completely Obstructing N : Not Inspected/Rated C : Corrected W : Watch/Monitor
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Flood Control Project Maintenance  
Levee Inspections

Levee Inspection Report By Mile - Fall 2010

Reclamation District No. 1500 Sutter Basin

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	33.58	10/14/2010 10/19/2010	John Williamson

LMR No.	Levee Mile		Category	Item	* Location	** Rating	Action/Comment	GPS Latitude/Longitude		Issue No. Photo
	Start	End						Start	End	
18	4.01	4.01	Earthen Levee	Encroachments	LS	PO	Landscaping	38.797827 ° -121.695985 °	38.797827 ° -121.695985 °	8
19	4.03	4.03	Earthen Levee	Encroachments	WS	PO	Buildings Inspector Comments: pump house concrete building	38.798048 ° -121.696148 °	38.798048 ° -121.696148 °	9 Y
20	4.04	4.16	Earthen Levee	Encroachments	LS	PO	Agricultural Ditch	38.798572 ° -121.696392 °	38.800080 ° -121.696653 °	54
21	4.20	4.20	Earthen Levee	Encroachments	LS	PO	Buildings	38.800550 ° -121.696752 °	38.800550 ° -121.696752 °	11
22	4.65	4.65	Earthen Levee	Encroachments	LS	PO	Landscaping	38.803632 ° -121.702770 °	38.803632 ° -121.702770 °	12
23	5.23	5.23	Earthen Levee	Encroachments	WS	PO	Buildings Inspector Comments: pump house	38.802342 ° -121.712995 °	38.802342 ° -121.712995 °	13
24	5.38	5.38	Earthen Levee	Encroachments	LS	CO	Landscaping	38.803240 ° -121.715402 °	38.803240 ° -121.715402 °	14
25	5.67	5.75	Earthen Levee	Encroachments	WS	PO	Buildings Inspector Comments: Sting Rayz Beach Boardwalk Marina waterside berm	38.803005 ° -121.720380 °	38.803238 ° -121.721847 °	52 Y
26	7.28	7.52	Earthen Levee	Vegetation	LS	M	Control annual grass and weeds on the levee slopes and easements.	38.825095 ° -121.722885 °	38.828453 ° -121.724090 °	56
27	7.57	7.57	Earthen Levee	Encroachments	LS	M	Equipment	38.828975 ° -121.724265 °	38.828975 ° -121.724265 °	16 Y
28	7.66	7.66	Earthen Levee	Encroachments	LS	PO	Landscaping	38.830260 ° -121.725357 °	38.830260 ° -121.725357 °	17 Y
29	7.71	7.71	Earthen Levee	Animal Control	LS	M	Exterminate rodents and backfill and compact or grout burrows.	38.830818 ° -121.725800 °	38.830818 ° -121.725800 °	10 Y
30	8.33	8.54	Supplemental	USACE Erosion Survey	WS	U	Inspector Comments: 2009: no berm, 2:1 slope, slumping, sands and silts, 3.32 ft/s [2009 SiteID:SAC_92-8_L]	38.840417 ° -121.726864 °	38.838428 ° -121.730253 °	40 Y
31	8.79	8.79	Earthen Levee	Encroachments	LS	PO	Buildings	38.842673 ° -121.726442 °	38.842673 ° -121.726442 °	18
32	9.44	9.65	Supplemental	USACE Erosion Survey	WS	M	Inspector Comments: 2009: 15 ft berm, 1.5:1 slope, no stability issues, clays and silts, 3.37 ft/s [2009 SiteID:SAC_93-7_L]	38.852361 ° -121.723619 °	38.850272 ° -121.723922 °	41 Y
33	11.43	11.43	Earthen Levee	Encroachments	LS	PO	Landscaping	38.866762 ° -121.746125 °	38.866762 ° -121.746125 °	20
34	11.93	11.93	Earthen Levee	Erosion / Bank Caving	WS	M	Note and monitor erosion site.	38.871972 ° -121.749765 °	38.871972 ° -121.749765 °	55

<p><b>* Location</b></p> <p>LS : Land Side WS : Water Side CR : Crown</p>	<p><b>** Rating</b></p> <p>A : Acceptable M : Minimally Acceptable U : Unacceptable</p>	<p>PO : Partially Obstructing CO : Completely Obstructing N : Not Inspected/Rated</p>	<p>C : Corrected W : Watch/Monitor</p>
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2010**

**Reclamation District No. 1500 Sutter Basin**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	33.58	10/14/2010 10/19/2010	John Williamson

LMR No.	Levee Mile		Category	Item	* Location	** Rating	Action/Comment	GPS Latitude/Longitude		Issue No. Photo
	Start	End						Start	End	
35	12.10	12.38	Supplemental	USACE Erosion Survey	WS	M	Inspector Comments: 2009: 15 ft berm, 1.5:1 slope, holes and slumping, clays and silts, 3.22 ft/s [2009 SiteID:SAC_96-2_L]	38.869139 ° -121.757108 °	38.870475 ° -121.752236 °	43 Y
36	12.15	12.15	Earthen Levee	Encroachments	WS	PO	Buildings	38.870562 ° -121.753335 °	38.870562 ° -121.753335 °	23
37	12.31	12.31	Earthen Levee	Erosion / Bank Caving	WS	W	Note and monitor erosion site. Inspector Comments: wide berm	38.869700 ° -121.755945 °	38.869700 ° -121.755945 °	50
38	12.55	12.55	Earthen Levee	Encroachments	LS	M	Equipment	38.868717 ° -121.760133 °	38.868717 ° -121.760133 °	24
39	12.93	12.93	Earthen Levee	Encroachments	CR	M	Equipment	38.865127 ° -121.765157 °	38.865127 ° -121.765157 °	25
40	13.15	13.15	Earthen Levee	Encroachments	LS	CO	Buildings	38.863438 ° -121.768212 °	38.863438 ° -121.768212 °	26
41	13.18	13.18	Earthen Levee	Encroachments	LS	M	Equipment Inspector Comments: tires	38.863081 ° -121.768781 °	38.863081 ° -121.768781 °	992
42	14.09	14.09	Earthen Levee	Encroachments	WS	M	Firewood	38.857683 ° -121.782652 °	38.857683 ° -121.782652 °	27
43	14.13	14.13	Earthen Levee	Encroachments	WS	M	Equipment	38.857792 ° -121.783265 °	38.857792 ° -121.783265 °	28 Y
44	14.13	14.43	Supplemental	USACE Erosion Survey	WS	M	Inspector Comments: 2009: 10 ft berm, 1:1 slope, slumping, sands and silts, 2.72 ft/s [2009 SiteID:SAC_99-0_L]	38.861889 ° -121.784083 °	38.857233 ° -121.783803 °	44 Y
45	14.35	14.35	Earthen Levee	Encroachments	LS	CO	Buildings Inspector Comments: concrete stemwall into levee embankment	38.860848 ° -121.783307 °	38.860848 ° -121.783307 °	30 Y
46	14.39	14.39	Earthen Levee	Encroachments	LS	CO	Landscaping	38.861513 ° -121.783588 °	38.861513 ° -121.783588 °	31 Y
47	14.86	15.93	Earthen Levee	Encroachments	LS	PO	Agricultural Ditch	38.865473 ° -121.789413 °	38.871752 ° -121.804257 °	969 Y
48	15.27	15.27	Earthen Levee	Encroachments	LS	PO	Fences Inspector Comments: fence compound around sand separators fence at toe	38.866825 ° -121.794020 °	38.866825 ° -121.794020 °	22 Y
49	15.27	15.27	Earthen Levee	Encroachments	WS	M	Debris Inspector Comments: pile of rip rap and concrete needs to be placed	38.866827 ° -121.794020 °	38.866827 ° -121.794020 °	21 Y
50	15.94	15.94	Earthen Levee	Encroachments	WS	M	Equipment	38.871960 ° -121.804440 °	38.871960 ° -121.804440 °	32
51	16.48	16.48	Earthen Levee	Encroachments	LS	CO	Landscaping Inspector Comments: oleanders and other shrubs	38.875873 ° -121.812410 °	38.875873 ° -121.812410 °	33 Y

<b>* Location</b> LS : Land Side WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable PO : Partially Obstructing CO : Completely Obstructing N : Not Inspected/Rated C : Corrected W : Watch/Monitor
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2010**

**Reclamation District No. 1500 Sutter Basin**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	33.58	10/14/2010 10/19/2010	John Williamson

LMR No.	Levee Mile		Category	Item	* Location	** Rating	Action/Comment	GPS Latitude/Longitude		Issue No. Photo
	Start	End						Start	End	
52	16.86	17.45	Earthen Levee	Encroachments	LS PO	Agricultural Ditch		38.881092 ° -121.813713 °	38.887335 ° -121.808187 °	972 Y
53	17.83	17.83	Earthen Levee	Encroachments	LS C	Prunings		38.891944 ° -121.804794 °	38.891944 ° -121.804794 °	994
54	18.50	18.50	Earthen Levee	Erosion / Bank Caving	WS M	Note and monitor erosion site.		38.900873 ° -121.802680 °	38.900873 ° -121.802680 °	51
55	19.19	19.19	Earthen Levee	Encroachments	LS PO	Buildings Inspector Comments: concrete retaining wall toe of landside levee permit #10065		38.901570 ° -121.791235 °	38.901570 ° -121.791235 °	36 Y
56	19.22	19.22	Earthen Levee	Encroachments	LS PO	Landscaping Inspector Comments: concrete retaining wall along toe of landside levee permit #10065		38.901942 ° -121.790937 °	38.901942 ° -121.790937 °	37
57	19.88	19.88	Earthen Levee	Animal Control	LS M	Exterminate rodents and backfill and compact or grout burrows.		38.906243 ° -121.796276 °	38.906243 ° -121.796276 °	29
58	20.11	20.11	Earthen Levee	Animal Control	LS M	Exterminate rodents and backfill and compact or grout burrows.		38.906284 ° -121.800397 °	38.906284 ° -121.800397 °	34
59	20.86	21.40	Earthen Levee	Encroachments	LS PO	Agricultural Ditch		38.910177 ° -121.810352 °	38.913267 ° -121.803142 °	975 Y
60	21.22	21.22	Earthen Levee	Animal Control	LS M	Exterminate rodents and backfill and compact or grout burrows.		38.911005 ° -121.804420 °	38.911005 ° -121.804420 °	57
61	21.29	21.29	Earthen Levee	Animal Control	LS M	Exterminate rodents and backfill and compact or grout burrows.		38.911848 ° -121.803563 °	38.911848 ° -121.803563 °	58
62	21.83	21.91	Earthen Levee	Encroachments	LS PO	Agricultural Ditch		38.916123 ° -121.809022 °	38.916145 ° -121.810380 °	59
63	24.04	24.04	Earthen Levee	Encroachments	LS PO	Buildings Inspector Comments: some equipment at landside toe		38.931838 ° -121.834437 °	38.931838 ° -121.834437 °	42 Y
64	24.44	24.78	Earthen Levee	Encroachments	LS PO	Agricultural Ditch		38.936282 ° -121.830192 °	38.940712 ° -121.830650 °	979 Y
65	24.63	24.63	Earthen Levee	Trim / Thin Trees	LS C	Thin trees to allow visibility of the ground and room to flood fight.		38.938927 ° -121.829395 °	38.938927 ° -121.829395 °	995
66	24.64	24.64	Earthen Levee	Encroachments	LS C	Prunings		38.938957 ° -121.829282 °	38.938957 ° -121.829282 °	980
67	25.76	26.54	Earthen Levee	Encroachments	LS PO	Agricultural Ditch		38.952500 ° -121.837247 °	38.961135 ° -121.830902 °	981 Y
68	26.03	26.03	Earthen Levee	Animal Control	LS C	Exterminate rodents and backfill and compact or grout burrows.		38.955847 ° -121.836909 °	38.955847 ° -121.836909 °	35
69	26.84	27.07	Earthen Levee	Encroachments	LS PO	Agricultural Ditch		38.964850 ° -121.833595 °	38.968083 ° -121.833593 °	982 Y

<p><b>* Location</b> LS : Land Side WS : Water Side CR : Crown</p>	<p><b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable</p>	<p>PO : Partially Obstructing CO : Completely Obstructing N : Not Inspected/Rated</p>	<p>C : Corrected W : Watch/Monitor</p>
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2010**

**Reclamation District No. 1500 Sutter Basin**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	33.58	10/14/2010 10/19/2010	John Williamson

LMR No.	Levee Mile		Category	Item	* Location	** Rating	Action/Comment	GPS Latitude/Longitude		Issue No. Photo
	Start	End						Start	End	
70	27.63	27.78	Earthen Levee	Encroachments	LS	PO	Agricultural Ditch	38.972440 ° -121.825892 °	38.972848 ° -121.823098 °	983 Y
71	28.57	29.60	Earthen Levee	Encroachments	LS	PO	Agricultural Ditch	38.983081 ° -121.819924 °	38.988512 ° -121.806463 °	38
72	30.60	30.60	Earthen Levee	Encroachments	LS	PO	Landscaping	38.996980 ° -121.794723 °	38.996980 ° -121.794723 °	45
73	31.34	31.98	Supplemental	USACE Erosion Survey	WS	M	Inspector Comments: 2009: 10 ft berm, 1.5:1 slope, holes and slumping, clays and silts, 4 ft/s [2009 SiteID:SAC_116-5_L]	39.006061 ° -121.815342 °	39.003294 ° -121.805031 °	49 Y
74	32.71	33.00	Earthen Levee	Encroachments	LS	PO	Agricultural Ditch	39.012142 ° -121.825770 °	39.015585 ° -121.823442 °	60 Y
75	33.33	33.33	Earthen Levee	Encroachments	LS	PO	Buildings	39.019722 ° -121.820345 °	39.019722 ° -121.820345 °	46
76	33.41	33.41	Earthen Levee	Encroachments	WS	PO	Buildings Inspector Comments: Pumping Plant Intake structure	39.020875 ° -121.820273 °	39.020875 ° -121.820273 °	48
77	33.41	33.41	Earthen Levee	Encroachments	LS	PO	Buildings	39.020875 ° -121.820272 °	39.020875 ° -121.820272 °	47

<p><b>* Location</b></p> <p>LS : Land Side WS : Water Side CR : Crown</p>	<p><b>** Rating</b></p> <p>A : Acceptable M : Minimally Acceptable U : Unacceptable</p> <p>PO : Partially Obstructing CO : Completely Obstructing N : Not Inspected/Rated</p> <p>C : Corrected W : Watch/Monitor</p>
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2010**

**Reclamation District No. 1500 Sutter Basin**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	33.58	10/14/2010 10/19/2010	John Williamson

Levee Mile Report Line	2
Start Levee Mile	0.03
End Levee Mile	0.03
Location	Crown
Category	Earthen Levee
Item	Animal Control
hole in crown	
johngw_f_20101012_156.jpg	



Levee Mile Report Line	3
Start Levee Mile	0.03
End Levee Mile	0.03
Location	Land Side
Category	Earthen Levee
Item	Encroachments
Fresh pile of firewood from this years prunings.	
johngw_f_20101018_242.jpg	



Levee Mile Report Line	4
Start Levee Mile	0.03
End Levee Mile	0.03
Location	Land Side
Category	Earthen Levee
Item	Animal Control
This is one of serval rodent holes in the area.	
johngw_f_20101018_243.jpg	



<b>* Location</b> LS : Land Side WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	PO : Partially Obstructing CO : Completely Obstructing N : Not Inspected/Rated	C : Corrected W : Watch/Monitor
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2010**

**Reclamation District No. 1500 Sutter Basin**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	33.58	10/14/2010 10/19/2010	John Williamson

Levee Mile Report Line	12
Start Levee Mile	1.34
End Levee Mile	1.34
Location	Land Side
Category	Earthen Levee
Item	Encroachments
landscape and retaining wall, This photo is from spring 2010.	
johngw_f_20101012_137.jpg	



Levee Mile Report Line	14
Start Levee Mile	2.57
End Levee Mile	3.83
Location	Land Side
Category	Earthen Levee
Item	Encroachments
ag. ditch, Photo was taken in spring 2010.	
johngw_f_20101012_157.jpg	



Levee Mile Report Line	19
Start Levee Mile	4.03
End Levee Mile	4.03
Location	Water Side
Category	Earthen Levee
Item	Encroachments
Garden shed located at the landside levee toe.	
johngw_f_20101018_244.jpg	



<b>* Location</b> LS : Land Side WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	PO : Partially Obstructing CO : Completely Obstructing N : Not Inspected/Rated	C : Corrected W : Watch/Monitor
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2010**

**Reclamation District No. 1500 Sutter Basin**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	33.58	10/14/2010 10/19/2010	John Williamson

Levee Mile Report Line	25
Start Levee Mile	5.67
End Levee Mile	5.75
Location	Water Side
Category	Earthen Levee
Item	Encroachments
Sting Rays Marina RV park, Photo was taken in spring 2010.	
johngw_f_20101012_155.jpg	



Levee Mile Report Line	27
Start Levee Mile	7.57
End Levee Mile	7.57
Location	Land Side
Category	Earthen Levee
Item	Encroachments
along landside toe, Photo was taken in spring 2010.	
johngw_f_20101012_140.jpg	



Levee Mile Report Line	28
Start Levee Mile	7.66
End Levee Mile	7.66
Location	Land Side
Category	Earthen Levee
Item	Encroachments
landscape shrubs, Photo was taken in spring 2010.	
johngw_f_20101012_141.jpg	



<p><b>* Location</b></p> <p>LS : Land Side WS : Water Side CR : Crown</p>	<p><b>** Rating</b></p> <p>A : Acceptable M : Minimally Acceptable U : Unacceptable</p>	<p>PO : Partially Obstructing CO : Completely Obstructing N : Not Inspected/Rated</p>	<p>C : Corrected W : Watch/Monitor</p>
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2010**

**Reclamation District No. 1500 Sutter Basin**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	33.58	10/14/2010 10/19/2010	John Williamson

Levee Mile Report Line	29
Start Levee Mile	7.71
End Levee Mile	7.71
Location	Land Side
Category	Earthen Levee
Item	Animal Control
<p>large amount of spoils landside Photo was taken in spring 2010.</p> <p>johngw_f_20101012_139.jpg</p>	



Levee Mile Report Line	30
Start Levee Mile	8.33
End Levee Mile	8.54
Location	Water Side
Category	Supplemental
Item	USACE Erosion Survey
<p>2009: no berm, 2:1 slope, slumping, sands and silts, 3.32 ft/s [2009 SiteID:SAC_92-8_L]</p> <p>johngw_f_20101012_149.JPG</p>	



Levee Mile Report Line	32
Start Levee Mile	9.44
End Levee Mile	9.65
Location	Water Side
Category	Supplemental
Item	USACE Erosion Survey
<p>2009: 15 ft berm, 1.5:1 slope, no stability issues, clays and silts, 3.37 ft/s [2009 SiteID:SAC_93-7_L]</p> <p>johngw_f_20101012_150.JPG</p>	



<p><b>* Location</b></p> <p>LS : Land Side WS : Water Side CR : Crown</p>	<p><b>** Rating</b></p> <p>A : Acceptable M : Minimally Acceptable U : Unacceptable</p>	<p>PO : Partially Obstructing CO : Completely Obstructing N : Not Inspected/Rated</p>	<p>C : Corrected W : Watch/Monitor</p>
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2010**

**Reclamation District No. 1500 Sutter Basin**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	33.58	10/14/2010 10/19/2010	John Williamson

Levee Mile Report Line	35
Start Levee Mile	12.10
End Levee Mile	12.38
Location	Water Side
Category	Supplemental
Item	USACE Erosion Survey
2009: 15 ft berm, 1.5:1 slope, holes and slumping, clays and silts, 3.22 ft/s [2009 SiteID:SAC_96-2_L]	
johngw_f_20101012_152.JPG	



Levee Mile Report Line	43
Start Levee Mile	14.13
End Levee Mile	14.13
Location	Water Side
Category	Earthen Levee
Item	Encroachments
shot of equipment, Photo was taken in spring 2010.	
johngw_f_20101012_144.jpg	



Levee Mile Report Line	44
Start Levee Mile	14.13
End Levee Mile	14.43
Location	Water Side
Category	Supplemental
Item	USACE Erosion Survey
2009: 10 ft berm, 1:1 slope, slumping, sands and silts, 2.72 ft/s [2009 SiteID:SAC_99-0_L]	
johngw_f_20101012_153.JPG	



<b>* Location</b> LS : Land Side WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	PO : Partially Obstructing CO : Completely Obstructing N : Not Inspected/Rated	C : Corrected W : Watch/Monitor
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2010**

**Reclamation District No. 1500 Sutter Basin**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	33.58	10/14/2010 10/19/2010	John Williamson

Levee Mile Report Line	45
Start Levee Mile	14.35
End Levee Mile	14.35
Location	Land Side
Category	Earthen Levee
Item	Encroachments
building and wall into levee, Photo was taken in spring 2010.	
johngw_f_20101012_145.jpg	



Levee Mile Report Line	46
Start Levee Mile	14.39
End Levee Mile	14.39
Location	Land Side
Category	Earthen Levee
Item	Encroachments
landscape shrubs on shoulder, Photo was taken in spring 2010.	
johngw_f_20101012_146.jpg	



Levee Mile Report Line	47
Start Levee Mile	14.86
End Levee Mile	15.93
Location	Land Side
Category	Earthen Levee
Item	Encroachments
ag. ditch, Photo was taken in spring 2010.	
johngw_f_20101012_158.jpg	



<p><b>* Location</b></p> <p>LS : Land Side WS : Water Side CR : Crown</p>	<p><b>** Rating</b></p> <p>A : Acceptable M : Minimally Acceptable U : Unacceptable</p>	<p>PO : Partially Obstructing CO : Completely Obstructing N : Not Inspected/Rated</p>	<p>C : Corrected W : Watch/Monitor</p>
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2010**

**Reclamation District No. 1500 Sutter Basin**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	33.58	10/14/2010 10/19/2010	John Williamson

Levee Mile Report Line	48
Start Levee Mile	15.27
End Levee Mile	15.27
Location	Land Side
Category	Earthen Levee
Item	Encroachments
fence into levee toe, Photo was taken in spring 2010.	
johngw_f_20101012_143.jpg	



Levee Mile Report Line	49
Start Levee Mile	15.27
End Levee Mile	15.27
Location	Water Side
Category	Earthen Levee
Item	Encroachments
rip rap and concrete debris, Photo was taken in spring 2010.	
johngw_f_20101012_142.jpg	



Levee Mile Report Line	51
Start Levee Mile	16.48
End Levee Mile	16.48
Location	Land Side
Category	Earthen Levee
Item	Encroachments
landscape shrubs, Photo was taken in spring 2010.	
johngw_f_20101012_147.jpg	



<b>* Location</b> LS : Land Side WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	PO : Partially Obstructing CO : Completely Obstructing N : Not Inspected/Rated	C : Corrected W : Watch/Monitor
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2010**

**Reclamation District No. 1500 Sutter Basin**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	33.58	10/14/2010 10/19/2010	John Williamson

Levee Mile Report Line	52
Start Levee Mile	16.86
End Levee Mile	17.45
Location	Land Side
Category	Earthen Levee
Item	Encroachments
ag. ditch, Photo was taken in spring 2010.	
johngw_f_20101012_159.jpg	



Levee Mile Report Line	55
Start Levee Mile	19.19
End Levee Mile	19.19
Location	Land Side
Category	Earthen Levee
Item	Encroachments
building and wall into levee with landscape, Photo was taken in spring 2010.	
johngw_f_20101012_148.jpg	



Levee Mile Report Line	59
Start Levee Mile	20.86
End Levee Mile	21.40
Location	Land Side
Category	Earthen Levee
Item	Encroachments
ag. ditch, Photo was taken in spring 2010.	
johngw_f_20101012_160.jpg	



<p><b>* Location</b></p> <p>LS : Land Side WS : Water Side CR : Crown</p>	<p><b>** Rating</b></p> <p>A : Acceptable M : Minimally Acceptable U : Unacceptable</p>	<p>PO : Partially Obstructing CO : Completely Obstructing N : Not Inspected/Rated</p>	<p>C : Corrected W : Watch/Monitor</p>
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2010**

**Reclamation District No. 1500 Sutter Basin**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	33.58	10/14/2010 10/19/2010	John Williamson

Levee Mile Report Line	63
Start Levee Mile	24.04
End Levee Mile	24.04
Location	Land Side
Category	Earthen Levee
Item	Encroachments
pole barn and some equipment, Photo was taken in spring 2010.	
johngw_f_20101012_151.jpg	



Levee Mile Report Line	64
Start Levee Mile	24.44
End Levee Mile	24.78
Location	Land Side
Category	Earthen Levee
Item	Encroachments
ag. ditch, Photo was taken in spring 2010.	
johngw_f_20101012_161.jpg	



Levee Mile Report Line	67
Start Levee Mile	25.76
End Levee Mile	26.54
Location	Land Side
Category	Earthen Levee
Item	Encroachments
ag. ditch, Photo was taken in spring 2010.	
johngw_f_20101012_162.jpg	



<p><b>* Location</b></p> <p>LS : Land Side WS : Water Side CR : Crown</p>	<p><b>** Rating</b></p> <p>A : Acceptable M : Minimally Acceptable U : Unacceptable</p>	<p>PO : Partially Obstructing CO : Completely Obstructing N : Not Inspected/Rated</p>	<p>C : Corrected W : Watch/Monitor</p>
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2010**

**Reclamation District No. 1500 Sutter Basin**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	33.58	10/14/2010 10/19/2010	John Williamson

Levee Mile Report Line	69
Start Levee Mile	26.84
End Levee Mile	27.07
Location	Land Side
Category	Earthen Levee
Item	Encroachments
ag. ditch, Photo was taken in spring 2010.	
johngw_f_20101012_163.jpg	



Levee Mile Report Line	70
Start Levee Mile	27.63
End Levee Mile	27.78
Location	Land Side
Category	Earthen Levee
Item	Encroachments
ag. ditch, Photo was taken in spring 2010.	
johngw_f_20101012_164.jpg	



Levee Mile Report Line	73
Start Levee Mile	31.34
End Levee Mile	31.98
Location	Water Side
Category	Supplemental
Item	USACE Erosion Survey
2009: 10 ft berm, 1.5:1 slope, holes and slumping, clays and silts, 4 ft/s [2009 SiteID:SAC_116-5_L]	
johngw_f_20101012_154.JPG	



<p><b>* Location</b></p> <p>LS : Land Side WS : Water Side CR : Crown</p>	<p><b>** Rating</b></p> <p>A : Acceptable M : Minimally Acceptable U : Unacceptable</p>	<p>PO : Partially Obstructing CO : Completely Obstructing N : Not Inspected/Rated</p>	<p>C : Corrected W : Watch/Monitor</p>
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2010**

**Reclamation District No. 1500 Sutter Basin**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	33.58	10/14/2010 10/19/2010	John Williamson

Levee Mile Report Line	74
Start Levee Mile	32.71
End Levee Mile	33.00
Location	Land Side
Category	Earthen Levee
Item	Encroachments
older unused ag ditch stump of tree needs to be removed	
johngw_f_20101025_245.jpg	



<p><b>* Location</b></p> <p>LS : Land Side WS : Water Side CR : Crown</p>	<p><b>** Rating</b></p> <p>A : Acceptable      PO : Partially Obstructing      C : Corrected M : Minimally Acceptable      CO : Completely Obstructing      W : Watch/Monitor U : Unacceptable      N : Not Inspected/Rated</p>
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**Flood Control Project Maintenance  
Levee Inspections**

**Unit Cover Sheet**

**Fall 2010 Levee Inspection Results**

**Reclamation District No. 1500 Sutter Basin**

Waterway		Bank	Unit Miles
Unit No. 02 Sutter Bypass		Right	20.77

	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)			<b>A</b>	
Date of Inspection	3/16/2010		10/12/2010	
DWR Inspector	John Williamson		John Williamson	
Accompanied By				

Check one:

- During the current winter (or summer) inspection period, my staff or I have inspected the levee and associated flood project components identified in the attached Levee Inspection Report by Mile. We have found no changes in flood project conditions other than the results of our normal maintenance and the corrections we have made to maintenance deficiencies identified in the enclosed report.
- During the current winter (or summer) inspection period, my staff or I have inspected the levee and associated flood project components identified in the attached Levee Inspection Report by Mile. In addition to the results of our normal maintenance and the corrections we have made to maintenance deficiencies identified in the report, we have found the following changes in flood project conditions.

(In the comment section below or on additional sheet(s), identify change of condition by: Start to End Levee Mile or GPS coordinates, location (Land Side, Water Side, or Crown), Item identification, and description of the current condition).

Comments

One of the boxes above is to be checked by the Local Maintaining Agency (LMA). If the second box is checked, additional information must also be submitted. This Unit Cover Sheet should be signed and dated by the LMA Representative and returned to DWR with any additional sheets by September 30 (Summer Inspection) or March 31 (Winter Inspection). Please retain a copy for your records. Please mail all of this information to :

DWR Summer/Winter Inspection Reports  
3310 El Camino Avenue, Room LL-30  
Sacramento, CA 95821-9000


**X**

Signature of LMA Representative

Date

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2010**

**Reclamation District No. 1500 Sutter Basin**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sutter Bypass	Right	20.77	10/13/2010 10/13/2010	John Williamson

LMR No.	Levee Mile		Category	Item	* Location	** Rating	Action/Comment	GPS Latitude/Longitude		Issue No. Photo
	Start	End						Start	End	
1	0.01	0.01	Earthen Levee	Encroachments	WS	M	Equipment	38.761192 ° -121.674623 °	38.761192 ° -121.674623 °	12
2	0.16	1.86	Earthen Levee	Crown Surface / Depressions / Rutting	CR	C	Keep the crown roadway free of vegetation. Inspector Comments: Vegetation at center of crown is spotty and short throughout the unit. Areas marked vegetation is tall, crown should be spot sprayed during spring.	38.762748 ° -121.672502 °	38.782979 ° -121.655611 °	1
3	0.17	0.17	Earthen Levee	Animal Control	LS	M	Exterminate rodents and backfill and compact or grout burrows. Inspector Comments: There are golpher mounds thru out the unit landside and waterside.	38.762868 ° -121.672415 °	38.762868 ° -121.672415 °	2 Y
4	2.91	4.59	Earthen Levee	Crown Surface / Depressions / Rutting	CR	C	Keep the crown roadway free of vegetation.	38.797801 ° -121.655336 °	38.821132 ° -121.663643 °	4
5	5.91	6.67	Earthen Levee	Crown Surface / Depressions / Rutting	CR	C	Keep the crown roadway free of vegetation.	38.839489 ° -121.658004 °	38.849962 ° -121.653894 °	5
6	11.03	11.03	Earthen Levee	Crown Surface / Depressions / Rutting	CR	M	Add appropriate gravel or road base. Grade and compact. Inspector Comments: This is a county (Kirkville Rd) that crosses the levee. The truck traffic and the county grading, the road has degraded the crown. Need to have AB material to reestablish the crown to proper grade. Some improvement has been made to crown of road.	38.909385 ° -121.639435 °	38.909385 ° -121.639435 °	17 Y
7	19.58	19.58	Earthen Levee	Animal Control	LS	M	Exterminate rodents and backfill and compact or grout burrows.	39.004558 ° -121.735557 °	39.004558 ° -121.735557 °	3 Y
8	20.39	20.39	Earthen Levee	Trim / Thin Trees	WS	C	Trim and thin trees to allow visibility of the ground and room to flood fight. Inspector Comments: Cut up fallen cottonwood tree, backfill, and compact area of the root zone. Tree has fallen towards shoulder.	39.016203 ° -121.738709 °	39.016203 ° -121.738709 °	6

<p><b>* Location</b></p> <p>LS : Land Side WS : Water Side CR : Crown</p>	<p><b>** Rating</b></p> <p>A : Acceptable M : Minimally Acceptable U : Unacceptable</p>	<p>PO : Partially Obstructing CO : Completely Obstructing N : Not Inspected/Rated</p>	<p>C : Corrected W : Watch/Monitor</p>
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2010**

**Reclamation District No. 1500 Sutter Basin**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sutter Bypass	Right	20.77	10/13/2010 10/13/2010	John Williamson

Levee Mile Report Line	3
Start Levee Mile	0.17
End Levee Mile	0.17
Location	Land Side
Category	Earthen Levee
Item	Animal Control
This a rodent hole on the slope of the ramp.	
johngw_f_20101018_237.jpg	



Levee Mile Report Line	3
Start Levee Mile	0.17
End Levee Mile	0.17
Location	Land Side
Category	Earthen Levee
Item	Animal Control
A small rodent hole at the shoulder.	
johngw_f_20101018_238.jpg	



Levee Mile Report Line	6
Start Levee Mile	11.03
End Levee Mile	11.03
Location	Crown
Category	Earthen Levee
Item	Crown Surface / Depressions / Rutting
cross view of levee crown	
johngw_f_20101012_169.jpg	



<b>* Location</b> LS : Land Side WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	PO : Partially Obstructing CO : Completely Obstructing N : Not Inspected/Rated	C : Corrected W : Watch/Monitor
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2010**

**Reclamation District No. 1500 Sutter Basin**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sutter Bypass	Right	20.77	10/13/2010 10/13/2010	John Williamson

Levee Mile Report Line	6
Start Levee Mile	11.03
End Levee Mile	11.03
Location	Crown
Category	Earthen Levee
Item	Crown Surface / Depressions / Rutting
dip coming off the crown of levee	
johngw_f_20101012_170.jpg	



Levee Mile Report Line	6
Start Levee Mile	11.03
End Levee Mile	11.03
Location	Crown
Category	Earthen Levee
Item	Crown Surface / Depressions / Rutting
typical truck that crosses the levee	
johngw_f_20101012_171.jpg	



Levee Mile Report Line	7
Start Levee Mile	19.58
End Levee Mile	19.58
Location	Land Side
Category	Earthen Levee
Item	Animal Control
Another rodent hole in unit 2.	
johngw_f_20101018_241.jpg	



<b>* Location</b> LS : Land Side WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	PO : Partially Obstructing CO : Completely Obstructing N : Not Inspected/Rated	C : Corrected W : Watch/Monitor
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