

CVFPB Meeting April 25, 2014

USACE INSPECTION RESULTS

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US Army Corps of Engineers
BUILDING STRONG®



Changes to Inspection Reporting

- Inspection checklist has not changed.
- Inspection Ratings on subset of items determine eligibility in the Rehabilitation Program (RP)
- Modified Report Card to reflect the changes in the inspection policy



18 Inspection Items Used for Eligibility Determination

Levee Embankments

Encroachments
Closure Structures
Slope Stability
Erosion/Bank Caving
Animal Control
Culverts/Discharge Pipes
Relief Wells/Toe Drains

Floodwalls

Encroachments
Closure Structures
Tilting, Sliding, or Settlement
Foundations of Concrete Structures
Relief Wells/Toe Drains

Interior Drainage System

Culverts/Discharge Pipes
Sluice/Slide Gates
Flap Gates/Flap Valves/Pinch Valves

Pump Stations

Intake and Discharge Pipelines
Sluice/Slide Gates
Flap Gates/Flap Valves/Pinch Valves



System: System Name
 System Rating: Unacceptable
 Approved SWIF / LOI: No
 PL 84-99 RP Eligibility: Inactive

Operations and Maintenance Manual's
 Emergency Supplies and Equipment

Levee - Items Affecting PL 84-99 RP Eligibility	Encroachments	U	M	U	M					
	Closure Structures	NA	NA	NA	NA					
	Slope Stability	A	A	A	A					
	Erosion/Bank Caving	M	A	U	A					
	Animal Control	M	A	A	M					
	Culverts/Discharge Pipes	NA	NA	NA	NA					
	Underseepage Relief Wells/Toe Drainage Systems	NA	NA	NA	NA					
Levee Embankments - Other Items	Vegetation Growth	M	M	M	M					
	Sod Cover	NA	NA	NA	NA					
	Settlement	M	A	A	A					
	Depressions/Rutting	A	A	M	A					
	Cracking	A	U	A	A					
	Riprap Revetments & Bank Protection	NA	NA	NA	NA					
	Revetments other than Riprap	NA	NA	NA	NA					
	Seepage	A	A	A	A					
Flood Damage Reduction Channels	Vegetation and Obstructions	M	A	A	A					
	Shoaling	A	A	A	A					
	Encroachments	M	A	M	A					
	Erosion	A	A	A	A					
	Concrete Surfaces	NA	NA	NA	NA					
	Tilting, Sliding, or Settlement of Concrete	NA	NA	NA	NA					
	Foundation of Concrete Structures	NA	NA	NA	NA					
	Slab and Monolith Joints	NA	NA	NA	NA					
	Flap Gates/Flap Valves/Pinch Valves	NA	NA	NA	NA					
	Riprap Revetments & Banks	NA	NA	NA	NA					
Revetments other than Riprap	NA	NA	NA	NA						
	Legend									
	A	Acceptable	M	Includes Unacceptable observations not likely to prevent performance in next flood event						
	M	Minimally Acceptable	U	Serious deficiency noted in past inspection report has not been corrected within the established timeframe						
	U	Unacceptable	U	Likely prevents performance in next flood event						
	N/A	Not Applicable								
	RP	Rehabilitation Program (Note: flood fight assistance available regardless of eligibility status)								

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From Interim Policy for Determining Eligibility Status:

f. Requirements for eligibility under a CEI.

(1) All public sponsors must complete the maintenance program information on page B-2 of Enclosure 2.

(2) For non-federal levee systems, confirmation that Initial Eligibility Items 1-5 on page B-7 of Enclosure 2 continue to be met and must be documented in the CEI.

(3) Levee segment/system has received an **Individual Item/Component Rating of Acceptable or Minimally Acceptable** for the following items, which are a subset of the items of the existing Inspection Checklist:



From Inspection Checklist:

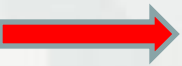
F. Individual Item / Component Ratings:

Assessment of individual components rated during the inspection should be based on the criteria provided in the inspection report template, though inspectors may incorporate additional items into the report based on the characteristics of the system. The assessment of individual components should be based on the following definitions.

Acceptable Item	Minimally Acceptable Item	Unacceptable Item
The inspected item is in satisfactory condition, with no deficiencies, and will function as intended during the next flood event.	The inspected item has one or more minor deficiencies that need to be corrected. The minor deficiency or deficiencies will not seriously impair the functioning of the item as intended during the next flood event.	The inspected item has one or more serious deficiencies that need to be corrected. The serious deficiency or deficiencies will seriously impair the functioning of the item as intended during the next flood event.

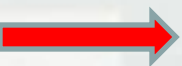


New Report Card Language:



M	Includes Unacceptable observations not likely to prevent performance in next flood event
U	Serious deficiency noted in past inspection report has not been corrected within the established timeframe
U	Likely prevents performance in next flood event

Old Report Card Language:



U	Not likely to prevent performance in next flood event
U	Serious deficiency noted in past inspection report has not been corrected within the established timeframe
U	Likely prevents performance in next flood event



System: System Name System Rating: Minimally Acceptable Approved SWIF / LOI: No PL 84-99 RP Eligibility: Active			Segment 1 Name	Segment 2 Name	Segment 3 Name	Segment 4 Name																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																															
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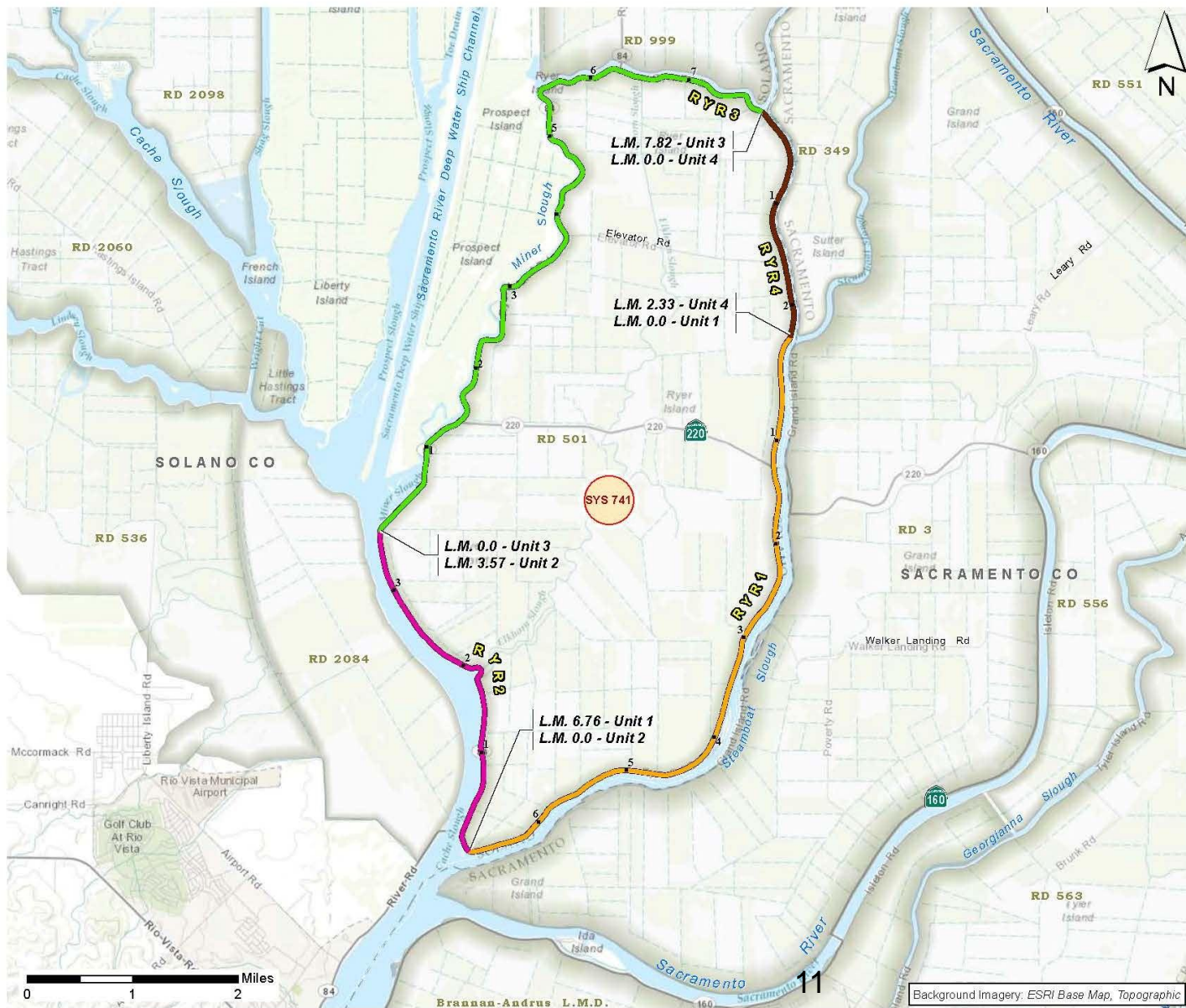
System: System Name System Rating: Unacceptable Approved SWIF / LOI: No PL 84-99 RP Eligibility: Active									
		Segment 1 Name	Segment 2 Name	Segment 3 Name	Segment 4 Name				
General	Operations and Maintenance Manuals	A	A	A	A				
	Emergency Supplies and Equipment	A	A	A	A				
	Flood Preparedness and Training	A	A	A	A				
Levee - Items Affecting PL 84-99 RP Eligibility	Encroachments	M	M	M	M				
	Closure Structures	NA	NA	NA	NA				
	Slope Stability	A	A	A	A				
	Erosion/Bank Caving	M	A	A	A				
	Animal Control	M	A	A	M				
	Culverts/Discharge Pipes	NA	NA	NA	NA				
	Underseepage Relief Wells/Toe Drainage Systems	NA	NA	NA	NA				
	Vegetation Growth	M	M	M	M				
Levee Embankments - Other Items	Sod Cover	NA	NA	NA	NA				
	Settlement	M	A	A	A				
	Depressions/Rutting	A	U	M	A				
	Cracking	A	A	A	A				
	Riprap Revetments & Bank Protection	NA	NA	NA	NA				
	Revetments other than Riprap	NA	NA	NA	NA				
	Seepage	A	A	A	A				
	Vegetation and Obstructions	M	A	A	A				
Flood Damage Reduction Channels	Shoaling	A	A	A	A				
	Encroachments	M	A	M	A				
	Erosion	A	A	A	A				
	Concrete Surfaces	NA	NA	NA	NA				
	Tilting, Sliding, or Settlement of Concrete	NA	NA	NA	NA				
	Foundation of Concrete Structures	NA	NA	NA	NA				
	Slab and Monolith Joints	NA	NA	NA	NA				
	Flap Gates/Flap Valves/Pinch Valves	NA	NA	NA	NA				
	Riprap Revetments & Banks	NA	NA	NA	NA				
	Revetments other than Riprap	NA	NA	NA	NA				
Legend									
A	Acceptable	M	Includes Unacceptable observations not likely to prevent performance in next flood event						
M	Minimally Acceptable	U	Serious deficiency noted in past inspection report has not been corrected within the established timeframe						
U	Unacceptable	U	Likely prevents performance in next flood event						
N/A	Not Applicable								
RP	Rehabilitation Program (Note: flood fight assistance available regardless of eligibility status)								

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	System: System Name System Rating: Unacceptable Approved SWIF / LOI: No PL 84-99 RP Eligibility: Inactive									
			Segment 1 Name	Segment 2 Name	Segment 3 Name	Segment 4 Name				
General	Operations and Maintenance Manuals		A	A	A	A				
	Emergency Supplies and Equipment		A	A	A	A				
	Flood Preparedness and Training		A	A	A	A				
Levee - Items Affecting PL 84-99 RP Eligibility	Encroachments		U	M	U	M				
	Closure Structures		NA	NA	NA	NA				
	Slope Stability		A	A	A	A				
	Erosion/Bank Caving		M	A	U	A				
	Animal Control		M	A	A	M				
	Culverts/Discharge Pipes		NA	NA	NA	NA				
	Underseepage Relief Wells/Toe Drainage Systems		NA	NA	NA	NA				
Levee Embankments - Other Items	Vegetation Growth		M	M	M	M				
	Sod Cover		NA	NA	NA	NA				
	Settlement		M	A	A	A				
	Depressions/Rutting		A	A	M	A				
	Cracking		A	U	A	A				
	Riprap Revetments & Bank Protection		NA	NA	NA	NA				
	Revetments other than Riprap		NA	NA	NA	NA				
	Seepage		A	A	A	A				
Flood Damage Reduction Channels	Vegetation and Obstructions		M	A	A	A				
	Shoaling		A	A	A	A				
	Encroachments		M	A	M	A				
	Erosion		A	A	A	A				
	Concrete Surfaces		NA	NA	NA	NA				
	Tilting, Sliding, or Settlement of Concrete		NA	NA	NA	NA				
	Foundation of Concrete Structures		NA	NA	NA	NA				
	Slab and Monolith Joints		NA	NA	NA	NA				
	Flap Gates/Flap Valves/Pinch Valves		NA	NA	NA	NA				
	Riprap Revetments & Banks		NA	NA	NA	NA				
Revetments other than Riprap		NA	NA	NA	NA					
Legend										
A	Acceptable		M	Includes Unacceptable observations not likely to prevent performance in next flood event						
M	Minimally Acceptable		U	Serious deficiency noted in past inspection report has not been corrected within the established timeframe						
U	Unacceptable		U	Likely prevents performance in next flood event						
N/A	Not Applicable									
RP	Rehabilitation Program (Note: flood fight assistance available regardless of eligibility status)									

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RD 501 – Ryer Island



Map Legend

NLD SYSTEMS and SEGMENTS
(Levee Inspection System Code)

SYSTEM 741

- RD 0501 - Unit 1, Steamboat Slough (RYR1)
- RD 0501 - Unit 2, Cache Slough (RYR2)
- RD 0501 - Unit 3, Miner Slough (RYR3)
- RD 0501 - Unit 4, Sutter Slough (RYR4)

• Levee Mile*

*Mileage obtained from DWR levee inspection resources

FEDERAL LEVEE PROJECTS
SYSTEM MAP

RD 501-RYER ISLAND

U.S. ARMY CORPS OF ENGINEERS
SACRAMENTO DISTRICT

Background Imagery: ESRI Base Map, Topographic

	System: RD 0501 - Ryer Island System Rating: Unacceptable Approved SWIF / LOI: No PL 84-99 RP Eligibility: Inactive	RD 0501 - Ryer Island - Unit 1, Steamboat Slough (RYR1)								RD 0501 - Ryer Island - Unit 2, Cache Slough (RYR2)								RD 0501 - Ryer Island - Unit 3, Miner Slough (RYR3)								RD 0501 - Ryer Island - Unit 4, Sutter Slough (RYR4)																																							
General	Operations and Maintenance Manuals	A		A		A		A																																																									
	Emergency Supplies and Equipment	A		A		A		A																																																									
	Flood Preparedness and Training	A		A		A		A																																																									
Levee - Items Affecting PL 84-99 RP Eligibility	Encroachments	U		U		U		U																																																									
	Closure Structures	NA		NA		NA		NA																																																									
	Slope Stability	A		A		A		A																																																									
	Erosion/Bank Caving	M		A		A		A																																																									
	Animal Control	M		A		A		M																																																									
	Culverts/Discharge Pipes	NA		NA		NA		NA																																																									
	Underseepage Relief Wells/Toe Drainage Systems	NA		NA		NA		NA																																																									
Levee Embankments - Other Items	Vegetation Growth	M		M		M		M																																																									
	Sod Cover	NA		NA		NA		NA																																																									
	Settlement	M		A		A		A																																																									
	Depressions/Rutting	A		A		M		A																																																									
	Cracking	A		A		A		A																																																									
	Riprap Revetments & Bank Protection	NA		NA		NA		NA																																																									
	Revetments other than Riprap	NA		NA		NA		NA																																																									
	Seepage	A		A		A		A																																																									
Flood Damage Reduction Channels	Vegetation and Obstructions	M		A		A		A																																																									
	Shoaling	A		A		A		A																																																									
	Encroachments	M		A		M		A																																																									
	Erosion	A		A		A		A																																																									
	Concrete Surfaces	NA		NA		NA		NA																																																									
	Tilting, Sliding, or Settlement of Concrete	NA		NA		NA		NA																																																									
	Foundation of Concrete Structures	NA		NA		NA		NA																																																									
	Slab and Monolith Joints	NA		NA		NA		NA																																																									
	Flap Gates/Flap Valves/Pinch Valves	NA		NA		NA		NA																																																									
	Riprap Revetments & Banks	NA		NA		NA		NA																																																									
	Revetments other than Riprap	NA		NA		NA		NA																																																									
	<u>Legend</u>		M		Includes Unacceptable observations not likely to prevent performance in next flood event																																																												
	A Acceptable		U		Serious deficiency noted in past inspection report has not been corrected within the established timeframe																																																												
	M Minimally Acceptable		U		Likely prevents performance in next flood event																																																												
	U Unacceptable																																																																
	N/A Not Applicable																																																																
	RP Rehabilitation Program (Note: flood fight assistance available regardless of eligibility status)																																																																

	RD 0501 - Ryer Island Unacceptable	RD 0501 - Ryer Island - Unit 1, Steamboat Slough (RYR1)	RD 0501 - Ryer Island - Unit 2, Cache Slough (RYR2)	RD 0501 - Ryer Island - Unit 3, Miner Slough (RYR3)	RD 0501 - Ryer Island - Unit 4, Sutter Slough (RYR4)				
General	Operations and Maintenance Manuals	A	A	A	A				
	Emergency Supplies and Equipment	A	A	A	A				
	Flood Preparedness and Training	A	A	A	A				
Levee Embankments	Vegetation Growth	U	U	U	U				
	Sod Cover	NA	NA	NA	NA				
	Encroachments	U	U	U	U				
	Closure Structures	NA	NA	NA	NA				
	Slope Stability	A	A	A	A				
	Erosion/Bank Caving	M	A	A	A				
	Settlement	U	A	A	A				
	Depressions/Rutting	A	A	M	A				
	Cracking	A	A	A	A				
	Animal Control	M	A	A	M				
	Culverts/Discharge Pipes	NA	NA	NA	NA				
	Riprap Revetments & Bank Protection	NA	NA	NA	NA				
	Revetments other than Riprap	NA	NA	NA	NA				
	Underseepage Relief Wells/Toe Drainage Systems	NA	NA	NA	NA				
	Seepage	A	A	A	A				
Flood Damage Reduction Channels	Vegetation and Obstructions	M	A	A	A				
	Shoaling	A	A	A	A				
	Encroachments	U	A	M	A				
	Erosion	A	A	A	A				
	Concrete Surfaces	NA	NA	NA	NA				
	Tilting, Sliding, or Settlement of Concrete	NA	NA	NA	NA				
	Foundation of Concrete Structures	NA	NA	NA	NA				
	Slab and Monolith Joints	NA	NA	NA	NA				
	Flap Gates/Flap Valves/Pinch Valves	NA	NA	NA	NA				
	Riprap Revetments & Banks	NA	NA	NA	NA				
	Revetments other than Riprap	NA	NA	NA	NA				
<div><div><div>Legend</div><div><div>A</div><div>Acceptable</div></div><div><div>M</div><div>Minimally Acceptable</div></div><div><div>U</div><div>Unacceptable</div></div><div><div>N/A</div><div>Not Applicable</div></div></div><div><div><div>U</div></div><div>Not likely to prevent performance in next flood event</div></div><div><div><div>U</div></div><div>Serious deficiency noted in past inspection report has not been corrected within the established timeframe</div></div><div><div><div>U</div></div><div>Likely prevents performance in next flood event</div></div></div>									



