## **USACE Inspection Results**

#### Ryan Larson, PE

Flood Protection and Navigation Section

Sacramento District

January 23, 2015



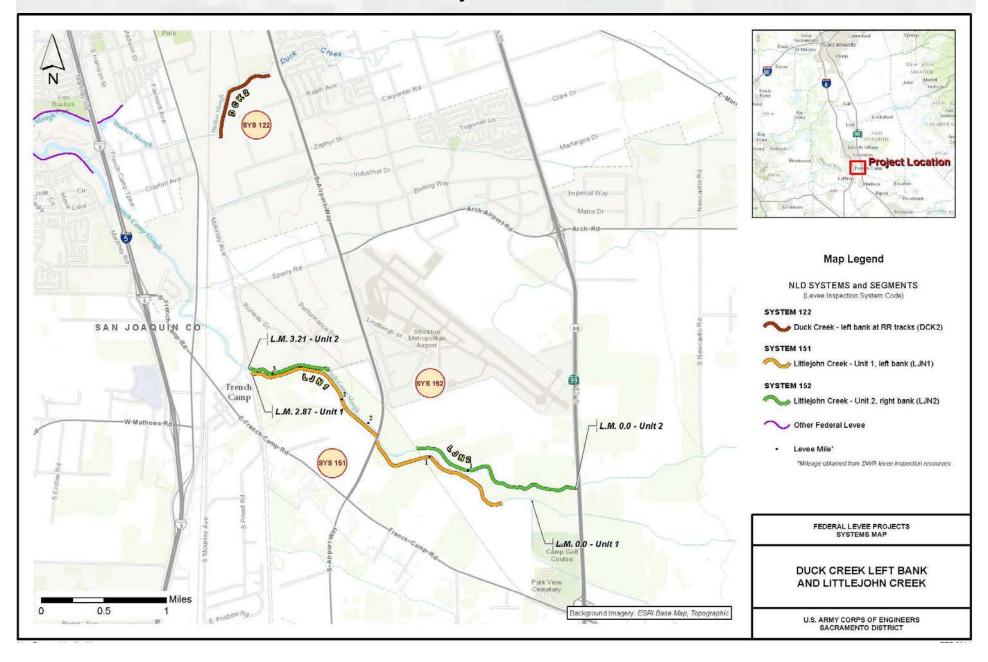


US Army Corps of Engineers

**BUILDING STRONG®** 



#### Littlejohn Creek



#### Littlejohn Creek Left Bank - Unit 1

	System: Littlejohn Creek left bank - Unit 1 Levee System System Rating: Minimally Acceptable Approved SWIF/LOI: No PL 84-99 RP Eligibility: Active	Little of The Control	St. Little 1. Bet of						
<u> </u>	Operations and Maintenance Manuals	М							
General	Emergency Supplies and Equipment	Α							
	Flood Preparedness and Training	Α							
RP	Encroachments	M	2						
sn 69	Closure Structures	NA							
vee - Item ing PL 84- Eligibility	Slope Stability	M							
e - l PL gibi	Erosion/Bank Caving	M							
Levee - Items Affecting PL 84-99 Eligibility	Animal Control	Α							
fed t	Culverts/Discharge Pipes	NA							
Af	Underseepage Relief Wells/Toe Drainage Systems	NA							
	Vegetation Growth	M	s .						
l ts	Sod Cover	NA							
ŭ ŭ	Settlement	М							
Levee Embankments Other Items	Depressions/Rutting	M							
m her	Cracking	Α							
g g	Riprap Revetments & Bank Protection	NA							
e. S	Revetments other than Riprap	NA							
_	Seepage	Α							
	<u>Legend</u> A Acceptable M Minimally Acceptable	M	event Serious d	eficiency not	ed in past in			erformance i oeen correcte	
	U Unacceptable N/A Not Applicable	Ü		ed timeframe vents perfor		xt flood even	t		

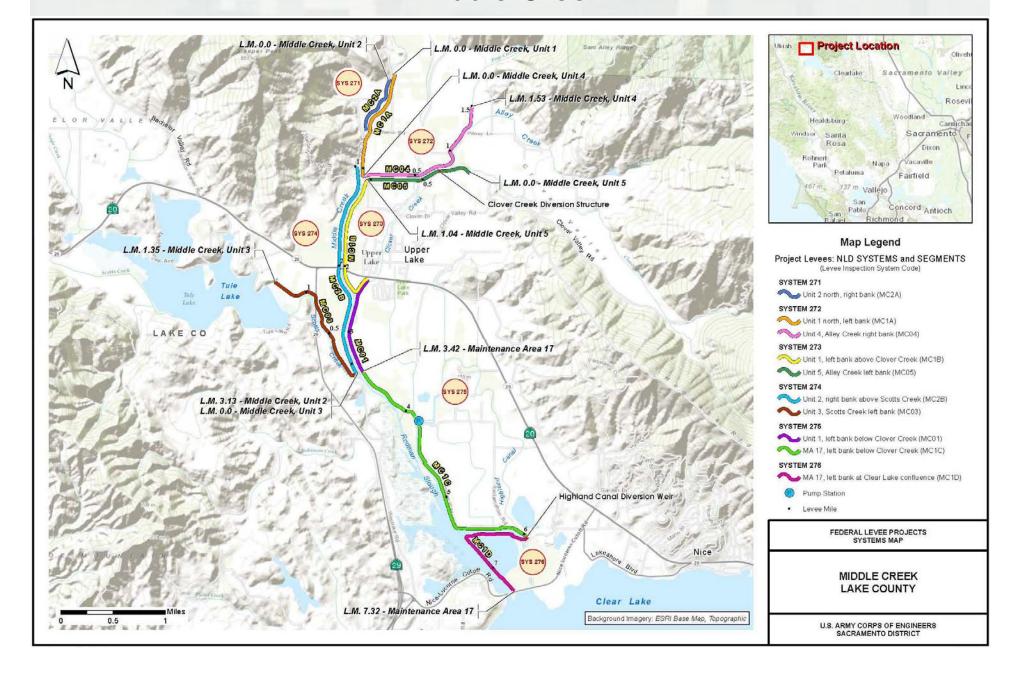


### Littlejohn Creek Right Bank – Unit 2

	System: Littlejohn Creek right bank - Unit 2 Levee System System Rating: Minimally Acceptable Approved SWIF/LOI: No PL 84-99 RP Eligibility: Active	indiction of the control of the cont	July Light					
<u></u>	Operations and Maintenance Manuals	М						
General	Emergency Supplies and Equipment	Α						
	Flood Preparedness and Training	Α						
&	Encroachments	M						
ε <u>6</u>	Closure Structures	NA						
ten 84-	Slope Stability	Α						
vee - Item ing PL 84- Eligibility	Erosion/Bank Caving	А						
Levee - Items Affecting PL 84-99 Eligibility	Animal Control	Α						
ed Le	Culverts/Discharge Pipes	NA						
Αff	Underseepage Relief Wells/Toe Drainage Systems	NA						
11	Vegetation Growth	M						
rts	Sod Cover	NA						
an Sir	Settlement	М						
Fe ar	Depressions/Rutting	M						
Embankme Other Items	Cracking	Α						
Levee Embankments Other Items	Riprap Revetments & Bank Protection	NA						
e ve	Revetments other than Riprap	NA						
ľ	Seepage	М						
	Legend  A Acceptable  M Minimally Acceptable  U Unacceptable  N/A Not Applicable	M U	event Serious de establishe	eficiency not ed timeframe	ed in past ins	s not likely to	ort has not be	S 01105 24-111
	The second of th	U	Likely pre	vents perfor	mance in nex	t flood event		



#### Middle Creek



#### Middle Creek Right Bank - Unit 2 North

	System: Middle Creek right bank - Unit 2 north Levee System System Rating: Unacceptable Approved SWIF / LOI: No PL 84-99 RP Eligibility: Inactive	Willed W.	AT LEGIC LOUIS LOU
<u> </u>	Operations and Maintenance Manuals	М	
General	Emergency Supplies and Equipment	Α	
	Flood Preparedness and Training	M	
&	Encroachments	U	
Levee - Items Affecting PL 84-99 Eligibility	Closure Structures	NA	
ivee - Iten ing PL 84- Eligibility	Slope Stability	Α	
e - L 의 교 idig	Erosion/Bank Caving	Α	
Levee - Items cting PL 84-99 Eligibility	Animal Control	M	
ect Fe	Culverts/Discharge Pipes	NA	
Aff	Underseepage Relief Wells/Toe Drainage Systems	NA	
- T.	Vegetation Growth	M	
nts	Sod Cover	Α	
∃ He	Settlement	M	
Embankme Other Items	Depressions/Rutting	M	
a per	Cracking	Α	
Levee Embankments Other Items	Riprap Revetments & Bank Protection	NA	
e ve	Revetments other than Riprap	NA	
	Seepage	Α	
	Legend  A Acceptable  M Minimally Acceptable  U Unacceptable	M U	Includes Unacceptable observations not likely to prevent performance in next flood event  Serious deficiency noted in past inspection report has not been corrected within the established timeframe
	N/A Not Applicable	U	Likely prevents performance in next flood event

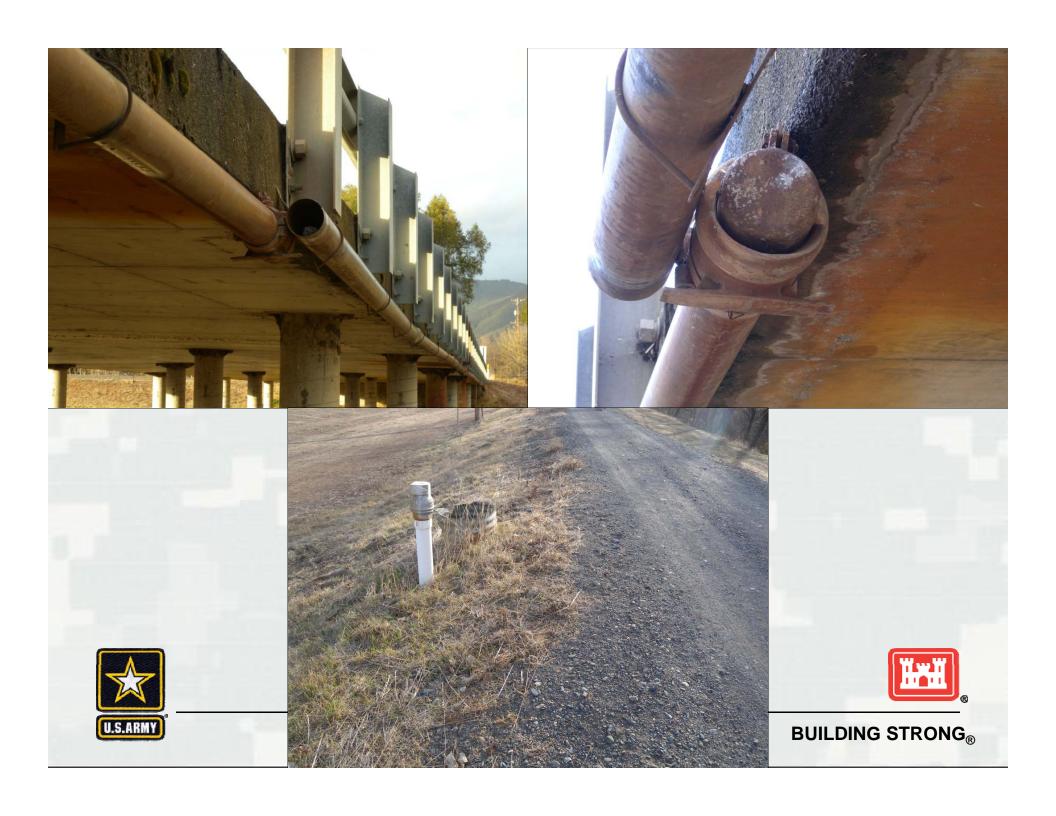




#### Middle Creek Left Bank – Unit 1 North

	System: Middle Creek left bank - Unit 1 north Levee System System Rating: Unacceptable Approved SWIF / LOI: No PL 84-99 RP Eligibility: Inactive	Indie Die	Wildle Grant	TO BE COUNTY					
<u> </u>	Operations and Maintenance Manuals	М	M						
General	Emergency Supplies and Equipment	Α	Α						
	Flood Preparedness and Training	М	М						
8	Encroachments	U	U						4
Levee - Items Affecting PL 84-99 Eligibility	Closure Structures	NA	NA						
Ite.	Slope Stability	Α	А						
Levee - Items cting PL 84-99 Eligibility	Erosion/Bank Caving	A	M					50 P	
ting Elli	Animal Control	M	M						
1 - je	Culverts/Discharge Pipes	NA	NA	3					10.00
Ą	Underseepage Relief Wells/Toe Drainage Systems	NA	NA						
1	Vegetation Growth	M	M						
l ä	Sod Cover	М	M						
m Sm:	Settlement	М	М						
e Embankme Other Items	Depressions/Rutting	M	M						
her her	Cracking	А	А		6				
# t	Riprap Revetments & Bank Protection	NA	NA						
Levee Embankments Other Items	Revetments other than Riprap	NA	NA						
1-1	Seepage	Α	А						100
	Legend  A Acceptable  M Minimally Acceptable  U Unacceptable	M	event Serious de		ed in past ins			erformance ir een correcte	STEEDS SHOW SHOW THE SHOW THE STEEDS SHOW THE STEED SHOW THE SHOW THE STEED SHOW
	N/A Not Applicable	U				t flood even	t		





### Middle Creek Left Bank - Unit 5 and part of 1

	System: Middle Creek left bank - Unit 5 and part of 1 Levee System System Rating: Unacceptable Approved SWIF / LOI: No PL 84-99 RP Eligibility: Inactive	Little ple	The County of th	A STATE OF THE STA					
<u></u>	Operations and Maintenance Manuals	М	М						
General	Emergency Supplies and Equipment	Α	Α						
Ű	Flood Preparedness and Training	М	М						
&	Encroachments	Ü	U						
و 96	Closure Structures	NA	M						
Levee - Items Affecting PL 84-99 Eligibility	Slope Stability	Α	А						,,
ا- ا ا ح ا	Erosion/Bank Caving	А	Α						
ing Elig	Animal Control	M	M						
a t	Culverts/Discharge Pipes	M	NA						
Aff	Underseepage Relief Wells/Toe Drainage Systems	NA	NA						
78	Vegetation Growth	M	M						
nts	Sod Cover	M	М						
a ae	Settlement	М	М						
Embankme Other Items	Depressions/Rutting	M	М						
a per	Cracking	Α	А						
Levee Embankments Other Items	Riprap Revetments & Bank Protection	NA	NA						
ē, ce	Revetments other than Riprap	NA	М						
2	Seepage	А	Α						
	<u>Legend</u> A Acceptable  M Minimally Acceptable  U Unacceptable	M U	event Serious de		ed in past in		W (************************************	erformance in	
	N/A Not Applicable	U	Likely pre	vents perfor	mance in ne	xt flood even	t		









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#### Middle Creek Right Bank – Unit 2

	System: Middle Creek right bank - Unit 2 Levee System System Rating: Unacceptable Approved SWIF / LOI: No PL 84-99 RP Eligibility: Inactive	Julia Cola	M	
<u></u>	Operations and Maintenance Manuals	М	М	
General	Emergency Supplies and Equipment	Α	Α	
1.5	Flood Preparedness and Training	M	М	
Affecting Eligibility	Encroachments	U	U	
ee - Items Affecting 84-99 RP Eligibility	Closure Structures	NA	NA	
Elia Afr	Slope Stability	М	A	
- Items -99 RP B	Erosion/Bank Caving	М	Α	
± 8	Animal Control	U	U	
84-	Culverts/Discharge Pipes	NA	NA	
Levee PL 84	Underseepage Relief Wells/Toe Drainage Systems	NA	NA	
112	Vegetation Growth	M	M	
nts	Sod Cover	М	Α	
me ms	Settlement	M	M	
Levee Embankments Other Items	Depressions/Rutting	M	M	
mbž Jer	Cracking	Α	M	
e Er	Riprap Revetments & Bank Protection	NA	NA	
e ve	Revetments other than Riprap	NA	M	
ے.	Seepage	Α	A	
	Legend  A Acceptable  M Minimally Acceptable  U Unacceptable	M	event	not likely to prevent performance in next flood
	N/A Not Applicable	U	ikely prevents performance in next f	lood event





#### Middle Creek Left Bank - Unit 1 South

	System: Middle Creek left bank - Unit 1 south Levee System System Rating: Unacceptable Approved SWIF / LOI: No PL 84-99 RP Eligibility: Inactive		1 M	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1					
General	Operations and Maintenance Manuals Emergency Supplies and Equipment	M A	M A						
Sen	Flood Preparedness and Training	M	M						
å	Encroachments	M	M		_	_		_	_
S &	Closure Structures	NA	NA						
Levee - Items cting PL 84-99 Eligibility	Slope Stability	A	U						
vee - Iter ing PL 84 Eligibility	Erosion/Bank Caving	A	U						
ing Elig	Animal Control	O.	M						
Levee - Items Affecting PL 84-99 Eligibility	Culverts/Discharge Pipes	NA	M						
Aff	Underseepage Relief Wells/Toe Drainage Systems	NA	NA						
2.	Vegetation Growth	M	M						
ants	Sod Cover	Α	Α						
E SE	Settlement	M	M						
and the	Depressions/Rutting	M	M						
Levee Embankments Other Items	Cracking	A	M						
o ee	Riprap Revetments & Bank Protection	NA	NA		—				
ev.	Revetments other than Riprap	NA	NA						
	Seepage	A	U				_		
	Pump Stations Operating, Maintenance, Training, &		М	l	l	l .			
	Inspection Records		. 3300						
	Pump Station Operations and Maintenance Equipment Manuals		М						
	Safety Compliance		М						
	Communications (A or M only)		Α						
	Plant Building		M						
	Fencing and Gates		A						
	Pumps		M						
	Motors, Engines, Fans, Gear Reducers, Back Stop Devices, etc.		М						
ons	Sumps/ Wet well		Α						
Pump Stations	Mechanical Operating Trash Rakes		NA						
b S	Non-Mechanical Trash Racks		Α						
Ę.	Fuel System for Pump Engines		NA						
u.	Power Source		M						
	Electrical Systems		M						
	Megger Testing on Pump Motors and Critical Power Cables		М						
	Enclosures, Panels, Conduit and Ducts		М						
	Intake and Discharge Pipelines		М						
	Sluice/ Slide Gates		М						
	Flap Gates/ Flap Valves/ Pinch Valves		М						
	Cranes		NA				1		
	Other Metallic Items (Equipment, Ladders, Platform								
	Anchors, etc)		M	l	I	I	I		l
	Legend		Includes	Inaccontabl	o obcorretto	ns not likely	to prevent po	erformanco i	novt floor
	A Acceptable	M	event	onacceptabl	e onzervacio	is not likely	to prevent po	a rormance II	глехспоос
	M Minimally Acceptable U Unacceptable	U	Serious d			spection rep	ort has not b	een correcte	d within th
	N/A Not Applicable	U	established timeframe  Ukely prevents performance in next flood event						



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#### Middle Creek Left Bank - Unit 1 at Clear Lake

	System: Middle Creek left bank - Unit 1 at Clear Lake Levee System System Rating: Unacceptable Approved SWIF / LOI: No PL 84-99 RP Eligibility: Inactive	t Middle Jet J	11 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1						
<u></u>	Operations and Maintenance Manuals	М							
General	Emergency Supplies and Equipment	Α							
9899	Flood Preparedness and Training	М							
Levee - Items Affecting PL 84-99 RP Eligibility	Encroachments	U					ļ.		
<del>ار</del> 99	Closure Structures	NA							
vee - Iter ng PL 84 Eligibility	Slope Stability	U		4					
e-l gebi	Erosion/Bank Caving	U		0				or.	,
Levee - Items cting PL 84-99 Eligibility	Animal Control	M							
ig i	Culverts/Discharge Pipes	NA					la .		
Af	Underseepage Relief Wells/Toe Drainage Systems	NA							
1.	Vegetation Growth	M		-			_	F	
l uts	Sod Cover	М							
ms an	Settlement	M							
Embankme Other Items	Depressions/Rutting	U					la.		
dm Fer	Cracking	А						93.	
Levee Embankments Other Items	Riprap Revetments & Bank Protection	NA							
eve	Revetments other than Riprap	NA		2					
P	Seepage	U					Į.		
	Legend  A Acceptable  M Minimally Acceptable  U Unacceptable	M U	event	ciency note	ed in past ins			erformance in	
	N/A Not Applicable	U	Likely preve	nts perforr	mance in nex	ct flood event			





# **Engineer Circular 1165-2-216 Requests to Alter USACE Projects**

#### Ryan Larson, PE

Flood Protection and Navigation Section

Sacramento District

January 23, 2015





## Background

- Presentation to Board August 22, 2014
- Applies to all applications received on or after July 31, 2014
- Provides the Secretary of the Army authority to grant permission to alter a USACE civil works project if
  - 1. Does not impair usefulness of the project
  - 2. Not injurious to the public interest





# Coordination with USACE Regulatory Program

- Timing of permissions/permits
- Need for complete applications
- Applications need to disclose if a permit is being requested under 10/404.
- Project descriptions are very important.
- CVFPB permits have always required applicants to get all other necessary permits.





## Other Activities

- Personnel actions
- Scoping the use of "Categorical Permissions"
- Workshop on Feb. 13<sup>th</sup>
- Questions



