



Public Notice

**US ARMY CORPS
OF ENGINEERS
St. Louis District
Gateway to Excellence**

**Reply To:
U.S. Army Corps of Engineers
Attn: CEMVS-OD-F
1222 Spruce Street**

**Public Notice No.
MVS-2016-654
Public Notice Date
October 28, 2016
Expiration Date
November 18, 2016**

Postmaster Please Post Conspicuously Until:

File Number: MVS-2016-630

Interested parties are hereby notified that the Land Learning Foundation (Sponsor) has requested under their In-Lieu-Fee (ILF) Program Instrument and corresponding amendment; approval for an ILF mitigation project pursuant to 33 CFR 332 and 40 CFR 230 Compensatory Mitigation for Losses of Aquatic Resource; Final Rule (Federal Register / Vol. 73, No. 70 Pages 19594-19705, April 10, 2008).

COMMENTS AND ADDITIONAL INFORMATION: All comments related to this ILF mitigation project and/or requests for public hearing must reach this office no later than the expiration date of the Public Notice to become part of the record and be considered in the decision. Comments should be mailed to the following address:

U.S. Army Corps of Engineers
Regulatory Branch
1222 Spruce Street
St. Louis, Missouri 63103-2833
ATTN: Mr. Matt Shively

IN-LIEU FEE SPONSOR: Land Learning Foundation
P.O. Box 55
Keytesville, Missouri 65261

LOCATION: The Sponsor proposes this ILF mitigation project (referred to as the Craghurst Farm site) within the Meramec River Ecological Drainage Unit (EDU). The project site is located approximately 1.5 miles southeast of the village of Moselle, in rural Franklin County, Missouri. The approximate 31-acre project site consists of two parcels, which generally occur north of Schuchart Park Road, and south of Shadow Lane. The approximate location coordinates of the western boundary of the site are 38.3762° North, -90.8734° West. The Meramec River forms the eastern boundary of the site, at approximate location coordinates 38.3779° North, -90.8618° West. The two parcels are separated by an approximate 150-foot gap, which contains an existing barn, at approximate location coordinates 38.3775° North, -90.8643° West. If the mitigation plan is approved, the barn will continue to be used, and must therefore be excluded from the mitigation area.

PROJECT DESCRIPTION: The Sponsor seeks approval from the U.S. Army Corps of Engineers (the Corps) and the Interagency Review Team (IRT); which is composed of representatives from the

U.S. Environmental Protection Agency, U.S. Fish & Wildlife Service, Missouri Department of Natural Resources, and Missouri Department of Conservation; to establish the Craghurst Farm site as an authorized source of stream mitigation credit. The Sponsor would make the stream mitigation credit available to Department of the Army permittees seeking to fulfill requirements to purchase compensatory mitigation credit, to offset losses of aquatic functions and services.

The western (upstream) parcel contains a degraded intermittent stream system. The upstream segment has been substantially altered by the removal of forested riparian corridor, livestock use, construction of two ponds, and channelization/relocation of much of the stream. The eastern (downstream) parcel contains approximately 900 linear feet of unaltered channel, which terminates at the tributary's confluence with the Meramec River. The downstream segment possesses existing forested corridor, with widths varying from approximately 25 feet to greater than 300 feet. The existing riparian corridor contains areas that have become dominated by invasive species, primarily wintercreeper (*Euonymus fortunei*).

The Land Learning Foundation proposes to remove the two ponds, and re-establish approximately 1,900 linear feet channel in its approximate former location. The re-establishment will create a meandering stream channel, and increase the stream length by approximately 400 linear feet. The Land Learning Foundation will create a forested riparian buffer adjacent to the re-established channel, with a width generally between 100 and 300 feet, depending upon proximity to the site boundary. In the downstream parcel, portions of the existing forested riparian corridor will be expanded to the site boundary, to create a forested corridor generally extending from 230 to 300 feet from the channel. Where the downstream parcel possesses an existing forested corridor, the corridor will be enhanced through the removal of undesirable/invasive species.

The property owner will record a perpetual conservation easement on the mitigation site. The conservation easement will protect the tributary and its forested corridor from future clearing and other disturbances. The Land Learning Foundation will assume responsibility for long-term monitoring of the requirements of the conservation easement.

If approved by the Corps, the Craghurst Farm site will create a total potential credit release of 18,962 stream credits. Mitigation credits generated by this project will be released for debiting on an incremental basis, determined by the project's successful achievement of performance criteria as set forth in the ILF Instrument.

This ILF mitigation program does not preclude the requirement for any Section 404 permit applicant, who intends or is required to use stream credits generated by this mitigation project, to comply with Clean Water Act Section 404(b)(1) Guidelines; the National Environmental Policy Act; and our evaluation of probable impacts on public interest.

LOCATION MAPS AND DRAWINGS: See attached.

ADDITIONAL INFORMATION: Additional information may be obtained by contacting Mr. Matt Shively, Project Manager, U.S. Army Corps of Engineers, at (314) 331-8632. Your inquiries may also be sent by electronic facsimile to (314) 331-8741 or by e-mail to matt.s.shively@usace.army.mil.

AUTHORITY: This permit will be processed under Section 404 of the Clean Water Act (33 U.S.C. 1344).

ENDANGERED SPECIES: A preliminary determination, in compliance with the Endangered Species Act, as amended, has been made that the work that is proposed would not affect species designated

as threatened or endangered, or adversely affect critical habitat. Therefore, no formal consultation request has been made to the United States Department of Interior, Fish and Wildlife Service. In order to complete our evaluation, comments are solicited from the Fish and Wildlife Service and other interested agencies and individuals through this Public Notice.

CULTURAL RESOURCES: The Corps has preliminarily determined that the ILF mitigation project complies with the National Historic Preservation Act of 1966 and 36 CFR 800. The St. Louis District will evaluate information provided by the State Historic Preservation Office, Federally-recognized tribes, and the public prior to making a final determination. The Corps may also require an archaeological reconnaissance survey of the project area, if deemed necessary.

PUBLIC INTEREST REVIEW: The purpose of this public notice is to advise all interested parties of the proposed ILF project and to solicit comments. The decision to allow or deny the Sponsor to proceed with the mitigation project will be based on an evaluation of all comments received, and all relevant factors to the proposal, including the cumulative effects thereof. These factors include: conservation, economics, aesthetics, general environmental concerns, wetlands, cultural values, fish and wildlife values, flood hazards, floodplain values, land use, navigation, shoreline erosion and accretion, recreation, water supply and conservation, water quality, energy needs, safety, food and fiber production, mineral needs, and the general needs and welfare of the people. The Corps is soliciting comments from the public; Federal, state, and local agencies and officials; Native American tribes; and other interested parties in order to consider and evaluate the proposed mitigation project.

PUBLIC HEARING: Any person may request, in writing, prior to the expiration date of this public notice, that a public hearing be held to consider this ILF mitigation proposal. Any request for a public hearing shall state, with particularity, the reason for the hearing, and must be based on issues that would warrant additional public review.

DANNY D. MCCLENDON
Chief, Regulatory Branch

Attachments

NOTICE TO POSTMASTERS:

The Corps requests that this notice be conspicuously and continually placed for 21 days from the date of this issuance of this notice.

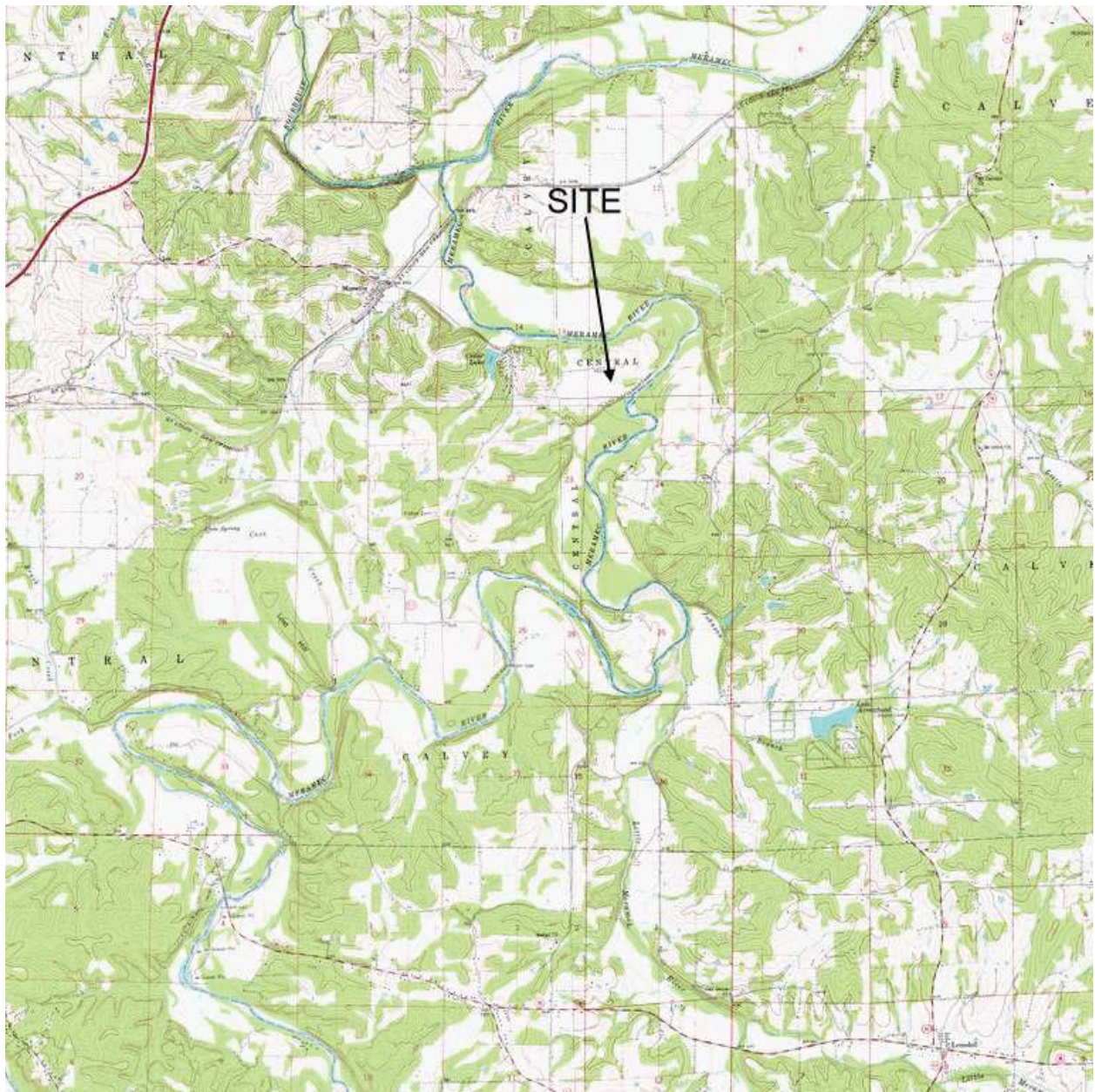


Figure 1 – USGS

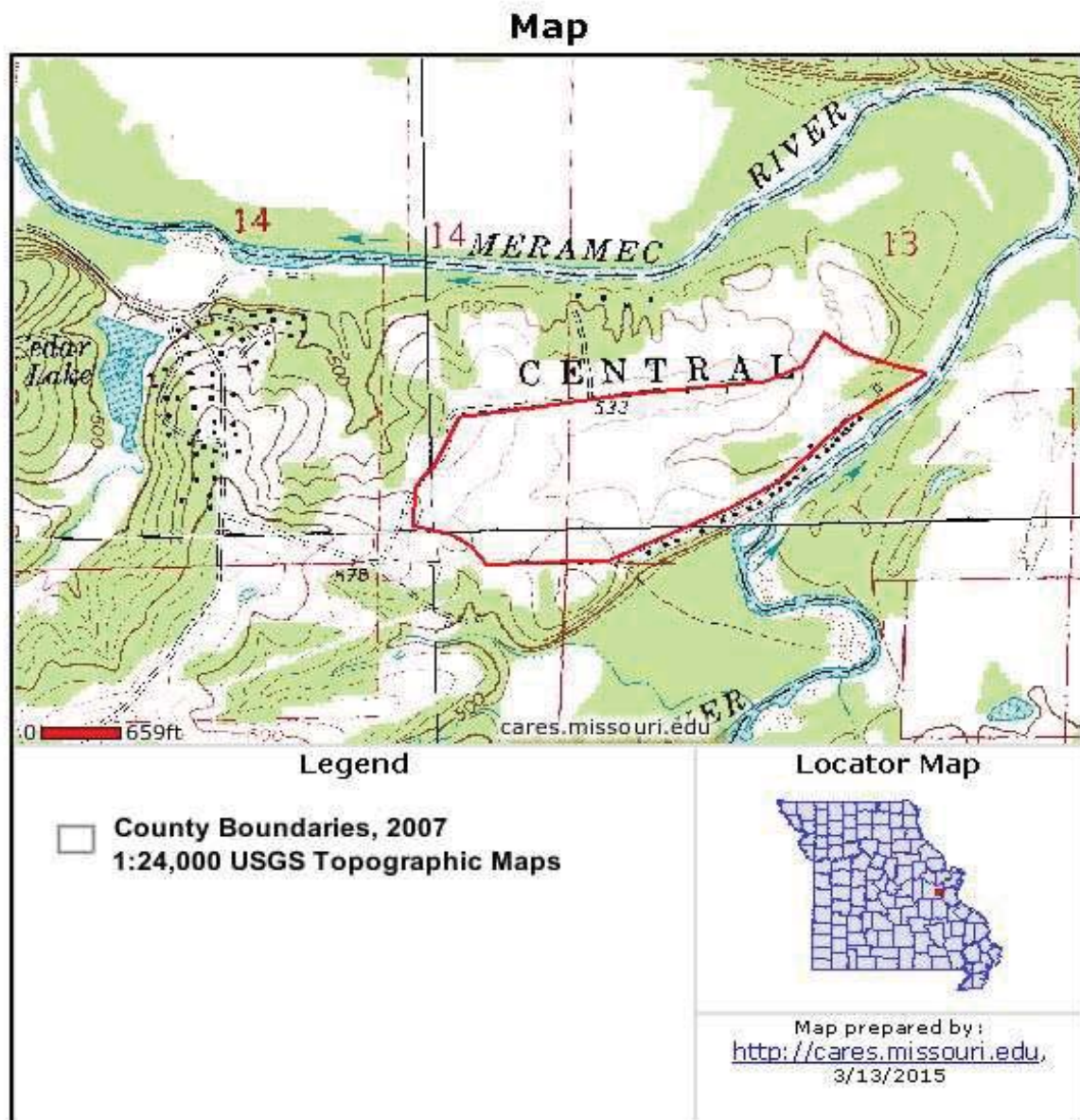


Figure 2 – Watershed Map

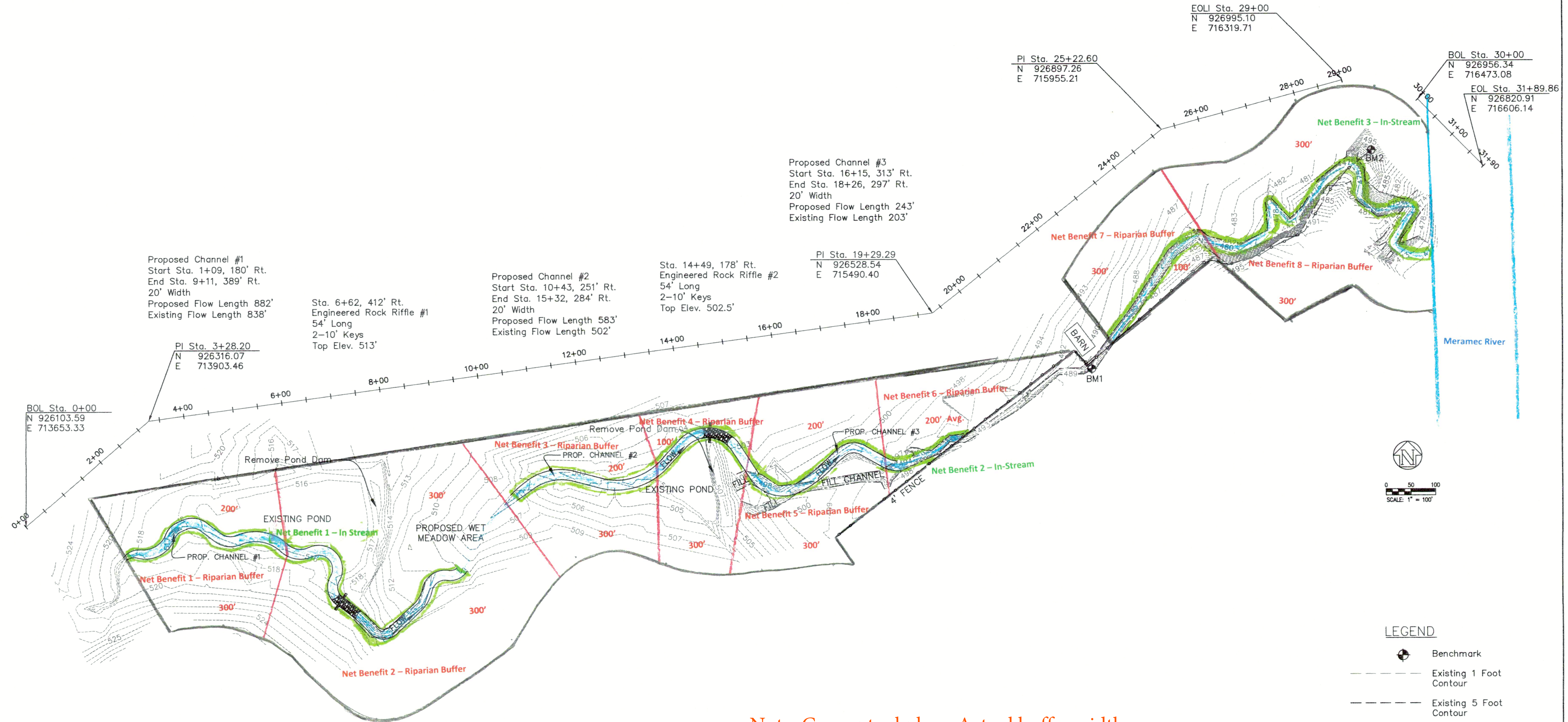


Figure 3 – Aerial Photograph with Stream Plan

BENCHMARKS

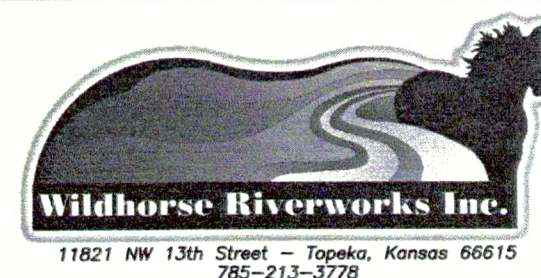
BM-1
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BM-2
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Z 489.3860



Note: Conceptual plan. Actual buffer widths are provided in the Missouri Stream Mitigation Method worksheets.

		4			
		3			
		2			
		1			
Date	Date	No.	BY	CK	APP
Designed By:	PGB				
Drawn By:	KAB				
Checked By:	PGB				
Date:	4/16/16				
Scale:	1"=100'				



Maritz Farm Site
Franklin County, Missouri
Stream Mitigation Project

Plan View

1 SHEET OF 1

STATE OF MISSOURI STREAM MITIGATION METHOD

Stream Mitigation Summary Worksheet

PROJECT NAME:	Craghurst Farm LLF Site
ORM #:	MVS-2016-654
DATE:	24-Oct-16
STATE, COUNTY:	Missouri, Franklin County
SECTION - TOWNSHIP - RANGE:	

I.	Mitigation Debits Required	Debits
B.	Adverse Impact - Debit Required	0

II.	Proposed Mitigation Credit	Credits
C. 1.	Instream Credit Achieved	11,736.20
C. 2.	Riparian Buffer Credit Achieved	7,225.75

IV.	Summary	Credits
K.	Total Proposed Mitigation * (Credits minus Debits)	18,961.95

* If the Total "Proposed Mitigation Credits" is less than the Total "Mitigation Debits Required", it will be displayed within a red ().

STATE OF MISSOURI - STREAM MITIGATION METHOD

In-Stream Worksheet

PROJECT NAME:	Craghurst Farm LLF Site
ORM #:	MVS-2016-654
DATE:	Monday, October 24, 2016
STATE, COUNTY:	Missouri, Franklin County
SECTION - TOWNSHIP - RANGE:	0

Stream Type Impacted	Ephemeral 0.15	Intermittent 0.20	Perennial 0.40	
Priority Waters	Tertiary 0.05	Secondary 0.20	Primary 0.40	
Net Benefit	Stream Relocation to Accommodate Authorized Project 0.50	Moderate 1.20	Good 2.40	Excellent 3.50
Site Protection	WITHOUT third party grantee 0.10	WITH third party grantee, or transfer of title. 0.40		
Credit Schedule	Schedule 1 0.30	Schedule 2 0.10	Schedule 3 0.00	
*Location and Kind Factor (LK)	0.50	1.00		

For each column select a "Criteria" from the drop down list found in the tan boxes.
Cells displaying "---" indicated a selection has not been made.

FACTORS	Net Benefit 1		Net Benefit 2		Net Benefit 3		Net Benefit 4	
Site Name	Criteria	Factor	Criteria	Factor	Criteria	Factor	Criteria	Factor
Stream Type Impacted	Intermittent	0.20	Intermittent	0.20	Intermittent	0.20		---
Priority Waters	Tertiary	0.05	Tertiary	0.05	Tertiary	0.05		---
Net Benefit	Excellent	3.50	Excellent	3.50	Excellent	3.50		---
Site Protection	WITH third party grantee, or transfer of title.	0.40	WITH third party grantee, or transfer of title.	0.40	WITH third party grantee, or transfer of title.	0.40		---
Credit Schedule	Schedule 3	0.00	Schedule 3	0.00	Schedule 3	0.00		---
Sum of Factors (M)		4.15		4.15		4.15		0.00
Stream Length Benefited (Do not count each bank separately or count same channel reach twice) (LF)	882		1046		900			
Credits (C) = (M x LF)		3,660.30		4,340.90		3,735.00		0.00
Location and Kind Factor (LK)	1		1		1			
Instream Credits Generated C x LK Factor*=		3,660.30		4,340.90		3,735.00		0.00
Proposed Mitigation Instream Credits Generated	11,736.20							
Sub-Total (Net Benefits 1 - 4)								

*Location and Kind (LK) Factor only applies to permittee-responsible mitigation projects see page 18 of document.

Explanatory Notes:	
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STATE OF MISSOURI - STREAM MITIGATION METHOD

In-Stream Worksheet

PROJECT NAME:	Craghurst Farm LLF Site
ORM #:	MVS-2016-654
DATE:	Monday, October 24, 2016
STATE, COUNTY:	Missouri, Franklin County
SECTION - TOWNSHIP - RANGE:	0

Stream Type Impacted	Ephemeral 0.15	Intermittent 0.20	Perennial 0.40	
Priority Waters	Tertiary 0.05	Secondary 0.20	Primary 0.40	
Net Benefit	Stream Relocation to Accommodate Authorized Project 0.50	Moderate 1.20	Good 2.40	Excellent 3.50
Site Protection	WITHOUT third party grantee 0.10	WITH third party grantee, or transfer of title. 0.40		
Credit Schedule	Schedule 1 0.30	Schedule 2 0.10	Schedule 3 0.00	
*Location and Kind Factor (LK)	0.50	1.00		

For each column select a "Criteria" from the drop down list found in the tan boxes.
Cells displaying "---" indicated a selection has not been made.

FACTORS	Net Benefit 5		Net Benefit 6		Net Benefit 7		Net Benefit 8	
Site Name	Criteria	Factor	Criteria	Factor	Criteria	Factor	Criteria	Factor
Stream Type Impacted		---		---		---		---
Priority Waters		---		---		---		---
Net Benefit		---		---		---		---
Site Protection		---		---		---		---
Credit Schedule		---		---		---		---
Sum of Factors (M)		0.00		0.00		0.00		0.00
Stream Length Benefited (Do not count each bank separately or count same channel reach twice) (LF)								
Credits (C) = (M x LF)		0.00		0.00		0.00		0.00
Location and Kind Factor (LK)								
Instream Credits Generated C x LK Factor*=		0.00		0.00		0.00		0.00
Proposed Mitigation Instream Credits Generated	0.00							
Sub-Total (Net Benefits 5 - 8)								

*Location and Kind (LK) Factor only applies to permittee-responsible mitigation projects see page 18 of document.

Explanatory Notes:	
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Proposed Mitigation Instream Credits Generated	11,736.20
Total Net Benefits	

STATE OF MISSOURI - STREAM MITIGATION METHOD

Riparian Buffer Worksheet

PROJECT NAME:	Craghurst Farm LLF Site
ORM #:	MVS-2016-654
DATE:	Monday, October 24, 2016
STATE, COUNTY:	Missouri, Franklin County
SECTION - TOWNSHIP - RANGE:	0

Stream Type Impacted	Ephemeral 0.15	Intermittent 0.20	Perennial 0.40	
Priority Waters	Tertiary 0.05	Secondary 0.20	Primary 0.40	
Net Benefit (For Each Side of Stream) - Activity	Riparian Restoration or Establishment "Value from Table 1"	Riparian Enhancement "Value from Table 1"	Riparian Preservation "Value from Table 1"	
Supplemental Buffer Credit	Benefits achieved on both Side "A" and "B" Yes	Benefits achieved on only ONE side. No		
Site Protection	WITHOUT third party grantee 0.05	WITH third party grantee, or transfer of title. 0.20		
Credit Schedule	Schedule 1 0.15	Schedule 2 0.05	Schedule 3 0.00	
Temporal Lag (Years)	Over 20 -0.30	10 to 20 -0.20	5 to 10 -0.10	0 to 5 0.00
Location and Kind Factor	Mitigation proposed outside of the 8-digit Hydrologic Unit Code (HUC). 0.5	Mitigation proposed within the 8-digit Hydrologic Unit Code (HUC). 1.00		

FACTORS	Net Benefit 1		Net Benefit 2		Net Benefit 3	
Site Name						
	Criteria	Factor	Criteria	Factor	Criteria	Factor
Stream Type Impacted	Intermittent	0.20	Intermittent	0.20	Intermittent	0.20
Priority Waters	Tertiary	0.05	Tertiary	0.05	Tertiary	0.05
Net Benefit						
Stream Side "A"						
Activity	Riparian Restoration or Establishment	0.80	Riparian Restoration or Establishment	1.10	Riparian Restoration or Establishment	0.70
Slope (%)	2.00		2.00		2.00	
Proposed Buffer Width (ft)	170.00		300.00		120.00	
Minimum Buffer Width (ft)	50.00		50.00		50.00	
Status of Proposed Width	Sufficient		Sufficient		Sufficient	
Stream Side "B"						
Activity	Riparian Restoration or Establishment	1.10	Riparian Restoration or Establishment	0.90	Riparian Restoration or Establishment	1.10
Slope (%)	2.00		2.00		2.00	
Proposed Buffer Width (ft)	300.00		220.00		300.00	
Minimum Buffer Width (ft)	50.00		50.00		50.00	
Status of Proposed Width			Sufficient		Sufficient	
Supplemental Buffer Credit (Buffer on both sides)	Yes	0.95	Yes	1.00	Yes	0.90
Site Protection	WITH third party grantee, or transfer of title.	0.20	WITH third party grantee, or transfer of title.	0.20	WITH third party grantee, or transfer of title.	0.20
Credit Schedule						
Stream Side A	Schedule 3	0.00	Schedule 3	0.00	Schedule 3	0.00
Stream Side B	Schedule 3	0.00	Schedule 3	0.00	Schedule 3	0.00
Temporal Lag	10 to 20	-0.20	10 to 20	-0.20	10 to 20	-0.20
Sum of Factors (M)		3.10		3.25		2.95
Linear Feet of Stream Buffered (LF) = (Do not count each bank separately or count same channel reach twice) (LF)	475.00		575.00		350.00	
Credits (C) = (M x LF)		1472.50		1868.75		1032.50
Location and Kind Factor (LK)	Mitigation proposed within the 8-digit Hydrologic Unit Code (HUC).	1.00	Mitigation proposed within the 8-digit Hydrologic Unit Code (HUC).	1.00	Mitigation proposed within the 8-digit Hydrologic Unit Code (HUC).	1.00
Riparian Credits Generated C x LK Factor*=		1472.50		1868.75		1032.50
Sub - Total Riparian Credits (Net Benefits 1 - 3)	4,373.75					
*Location and Kind (LK) Factor only applies to permittee-responsible mitigation projects see page 18 of document.						

Explanatory Notes:	
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STATE OF MISSOURI - STREAM MITIGATION METHOD

Riparian Buffer Worksheet

PROJECT NAME:	Craghurst Farm LLF Site
ORM #:	MVS-2016-654
DATE:	Monday, October 24, 2016
STATE, COUNTY:	Missouri, Franklin County
SECTION - TOWNSHIP - RANGE:	0

Stream Type Impacted	Ephemeral 0.15	Intermittent 0.20	Perennial 0.40	
Priority Waters	Tertiary 0.05	Secondary 0.20	Primary 0.40	
Net Benefit (For Each Side of Stream) - Activity	Riparian Restoration or Establishment "Value from Table 1"	Riparian Enhancement "Value from Table 1"	Riparian Preservation "Value from Table 1"	
Supplemental Buffer Credit	Benefits achieved on both Side "A" and "B" Yes	Benefits achieved on only ONE side. No		
Site Protection	WITHOUT third party grantee 0.05	WITH third party grantee, or transfer of title. 0.20		
Credit Schedule	Schedule 1 0.15	Schedule 2 0.05	Schedule 3 0.00	
Temporal Lag (Years)	Over 20 -0.30	10 to 20 -0.20	5 to 10 -0.10	0 to 5 0.00
Location and Kind Factor	Mitigation proposed outside of the 8-digit Hydrologic Unit Code (HUC). 0.5	Mitigation proposed within the 8-digit Hydrologic Unit Code (HUC). 1.00		

FACTORS	Net Benefit 4		Net Benefit 5		Net Benefit 6	
Site Name						
	Criteria	Factor	Criteria	Factor	Criteria	Factor
Stream Type Impacted	Intermittent	0.20	Intermittent	0.20	Intermittent	0.20
Priority Waters	Tertiary	0.05	Tertiary	0.05	Tertiary	0.05
Net Benefit						
Stream Side "A"						
Activity	Riparian Restoration or Establishment	0.70	Riparian Enhancement	0.40	Riparian Enhancement	0.40
Slope (%)	2.00		2.00		2.00	
Proposed Buffer Width (ft)	100.00		165.00		150.00	
Minimum Buffer Width (ft)	50.00		50.00		50.00	
Status of Proposed Width	Sufficient		Sufficient		Sufficient	
Stream Side "B"						
Activity	Riparian Restoration or Establishment	1.10	Riparian Enhancement	0.45		0.00
Slope (%)	2.00		2.00			
Proposed Buffer Width (ft)	300.00		210.00			
Minimum Buffer Width (ft)	50.00		50.00		---	
Status of Proposed Width	Sufficient		Sufficient		---	
Supplemental Buffer Credit (Buffer on both sides)	Yes	0.90	Yes	0.43	No	0.00
Site Protection	WITH third party grantee, or transfer of title.	0.20	WITH third party grantee, or transfer of title.	0.20	WITH third party grantee, or transfer of title.	0.20
Credit Schedule						
Stream Side A	Schedule 3	0.00	Schedule 3	0.00	Schedule 3	0.00
Stream Side B	Schedule 3	0.00	Schedule 3	0.00	Schedule 3	0.00
Temporal Lag	10 to 20	-0.20	10 to 20	-0.20	10 to 20	-0.20
Sum of Factors (M)		2.95		1.53		0.65
Linear Feet of Stream Buffered (LF) = (Do not count each bank separately or count same channel reach twice) (LF)	225.00		350.00		150.00	
Credits (C) = (M x LF)		663.75		533.75		97.50
Location and Kind Factor (LK)	Mitigation proposed within the 8-digit Hydrologic Unit Code (HUC).	1.00	Mitigation proposed within the 8-digit Hydrologic Unit Code (HUC).	1.00	Mitigation proposed within the 8-digit Hydrologic Unit Code (HUC).	1.00
Riparian Credits Generated C x LK Factor*=		663.75		533.75		97.50
Sub - Total Riparian Credits (Net Benefits 4 - 6)	1,295.00					
*Location and Kind (LK) Factor only applies to permittee-responsible mitigation projects see page 18 of document.						

Explanatory Notes:	
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STATE OF MISSOURI - STREAM MITIGATION METHOD

Riparian Buffer Worksheet

PROJECT NAME:	Craghurst Farm LLF Site
ORM #:	MVS-2016-654
DATE:	Monday, October 24, 2016
STATE, COUNTY:	Missouri, Franklin County
SECTION - TOWNSHIP - RANGE:	0

Stream Type Impacted	Ephemeral 0.15	Intermittent 0.20	Perennial 0.40	
Priority Waters	Tertiary 0.05	Secondary 0.20	Primary 0.40	
Net Benefit (For Each Side of Stream) - Activity	Riparian Restoration or Establishment "Value from Table 1"	Riparian Enhancement "Value from Table 1"	Riparian Preservation "Value from Table 1"	
Supplemental Buffer Credit	Benefits achieved on both Side "A" and "B" Yes	Benefits achieved on only ONE side. No		
Site Protection	WITHOUT third party grantee 0.05	WITH third party grantee, or transfer of title. 0.20		
Credit Schedule	Schedule 1 0.15	Schedule 2 0.05	Schedule 3 0.00	
Temporal Lag (Years)	Over 20 -0.30	10 to 20 -0.20	5 to 10 -0.10	0 to 5 0.00
Location and Kind Factor	Mitigation proposed outside of the 8-digit Hydrologic Unit Code (HUC). 0.5	Mitigation proposed within the 8-digit Hydrologic Unit Code (HUC). 1.00		

FACTORS		Net Benefit 7		Net Benefit 8		Net Benefit 9	
Site Name							
	Criteria	Factor	Criteria	Factor	Criteria	Factor	
Stream Type Impacted	Intermittent	0.20	Intermittent	0.20		---	
Priority Waters	Tertiary	0.05	Tertiary	0.05		---	
Net Benefit							
Stream Side "A"							
Activity	Riparian Enhancement	0.52	Riparian Enhancement	0.55		0.00	
Slope (%)	2.00		2.00				
Proposed Buffer Width (ft)	285.00		300.00				
Minimum Buffer Width (ft)	50.00		50.00				
Status of Proposed Width	Sufficient		Sufficient				

Stream Side "B"							
Activity	Riparian Enhancement	0.35	Riparian Enhancement	0.47		0.00	
Slope (%)	2.00		2.00				
Proposed Buffer Width (ft)	100.00		230.00				
Minimum Buffer Width (ft)	50.00		50.00				
Status of Proposed Width	Sufficient		Sufficient				

Supplemental Buffer Credit (Buffer on both sides)		Yes	0.44	Yes	0.51	No	0.00
Site Protection	WITH third party grantee, or transfer of title.	0.20	WITH third party grantee, or transfer of title.	0.20			---
Credit Schedule							
Stream Side A	Schedule 3	0.00	Schedule 3	0.00			---
Stream Side B	Schedule 3	0.00	Schedule 3	0.00			---
Temporal Lag	10 to 20	-0.20	10 to 20	-0.20			---
Sum of Factors (M)			1.56		1.78		0.00
Linear Feet of Stream Buffered (LF) = (Do not count each bank separately or count same channel reach twice) (LF)		200.00		700.00			
Credits (C) = (M x LF)			311.00		1246.00		0.00
Location and Kind Factor (LK)		Mitigation proposed within the 8-digit Hydrologic Unit Code (HUC).	1.00	Mitigation proposed within the 8-digit Hydrologic Unit Code (HUC).	1.00		---
Riparian Credits Generated C x LK Factor* =			311.00		1246.00		0.00
Sub - Total Riparian Credits (Net Benefits 7 - 9)		1,557.00					
*Location and Kind (LK) Factor only applies to permittee-responsible mitigation projects see page 18 of document.							

Explanatory Notes:	
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STATE OF MISSOURI - STREAM MITIGATION METHOD

Riparian Buffer Worksheet

PROJECT NAME:	Craghurst Farm LLF Site
ORM #:	MVS-2016-654
DATE:	Monday, October 24, 2016
STATE, COUNTY:	Missouri, Franklin County
SECTION - TOWNSHIP - RANGE:	0

Stream Type Impacted	Ephemeral 0.15	Intermittent 0.20	Perennial 0.40	
Priority Waters	Tertiary 0.05	Secondary 0.20	Primary 0.40	
Net Benefit (For Each Side of Stream) - Activity	Riparian Restoration or Establishment "Value from Table 1"	Riparian Enhancement "Value from Table 1"	Riparian Preservation "Value from Table 1"	
Supplemental Buffer Credit	Benefits achieved on both Side "A" and "B" Yes	Benefits achieved on only ONE side. No		
Site Protection	WITHOUT third party grantee 0.05	WITH third party grantee, or transfer of title. 0.20		
Credit Schedule	Schedule 1 0.15	Schedule 2 0.05	Schedule 3 0.00	
Temporal Lag (Years)	Over 20 -0.30	10 to 20 -0.20	5 to 10 -0.10	0 to 5 0.00
Location and Kind Factor	Mitigation proposed outside of the 8-digit Hydrologic Unit Code (HUC). 0.5	Mitigation proposed within the 8-digit Hydrologic Unit Code (HUC). 1.00		

FACTORS	Net Benefit 10		Net Benefit 11		Net Benefit 12	
Site Name						
	Criteria	Factor	Criteria	Factor	Criteria	Factor
Stream Type Impacted		---		---		---
Priority Waters		---		---		---
Net Benefit						
Stream Side "A"						
Activity		0.00		0.00		0.00
Slope (%)						
Proposed Buffer Width (ft)						
Minimum Buffer Width (ft)	---		---		---	
Status of Proposed Width	---		---		---	
Stream Side "B"						
Activity		0.00		0.00		0.00
Slope (%)						
Proposed Buffer Width (ft)						
Minimum Buffer Width (ft)	---		---		---	
Status of Proposed Width	---		---		---	
Supplemental Buffer Credit (Buffer on both sides)	No	0.00	No	0.00	No	0.00
Site Protection		---		---		---
Credit Schedule						
Stream Side A		---		---		---
Stream Side B		---		---		---
Temporal Lag		---		---		---
Sum of Factors (M)		0.00		0.00		0.00
Linear Feet of Stream Buffered (LF) = (Do not count each bank separately or count same channel reach twice) (LF)						
Credits (C) = (M x LF)		0.00		0.00		0.00
Location and Kind Factor (LK)		---		---		---
Riparian Credits Generated C x LK Factor*=		0.00		0.00		0.00
Sub - Total Riparian Credits (Net Benefits 10 - 12)		0.00				
*Location and Kind (LK) Factor only applies to permittee-responsible mitigation projects see page 18 of document.						

Explanatory Notes:

Total Riparian Credits (Net Benefits 1 - 12)	7,225.75
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