

MITIGATION UPDATES

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“The views, opinions and findings contained in this report are those of the author(s) and should not be construed as an official Department of the Army position, policy or decision, unless so designated by other official documentation.”



**US Army Corps
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REGULATORY INITIATIVES

Existing Guidance

- Draft Prospectus Guidance for Stream Mitigation Banks or ILF Projects
- Draft Prospectus Guidance for Wetland Mitigation Banks or ILF Projects
- Permittee-Responsible Mitigation Guidance
- Mitigation Banking Instrument Template
- Conservation Easement and Warranty Template
- Financial Assurance Templates
- Site Protection Templates
- Stream Quantification Tool

Future Guidance

- Prospectus Checklist for Stream and Wetland Mitigation Banks or ILF Projects
- Performance Standards and Monitoring for Stream and Wetland Compensatory Mitigation
- Performance Bond Template

Purpose: To provide clear expectations to the public and a consistent and more efficient review that is rooted in sound science and is compliant with all applicable laws



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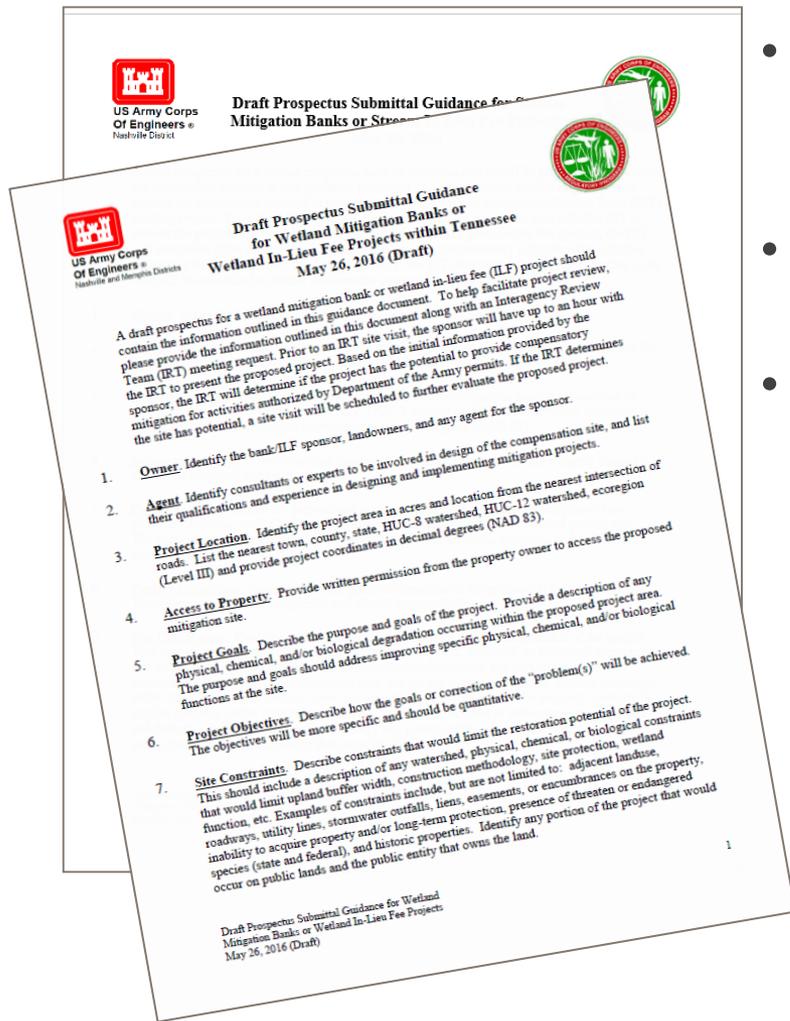
Guidance Review and Updates



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DRAFT PROSPECTUS GUIDANCE FOR STREAM AND WETLAND MITIGATION BANKS OR ILF PROJECTS

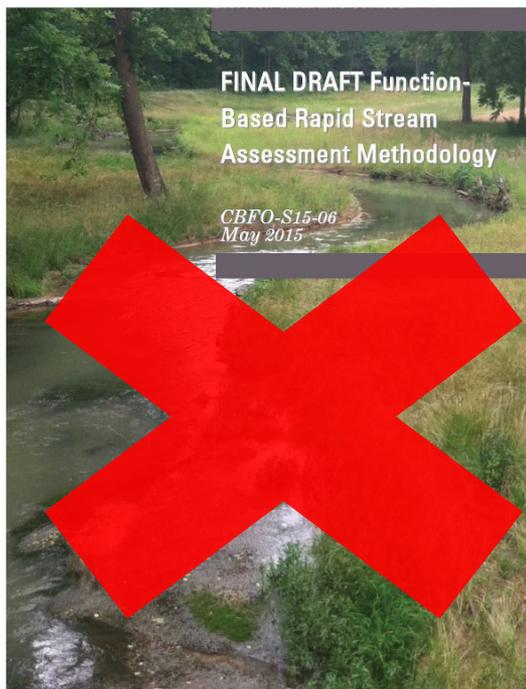


- The draft prospectus guidance document is applicable for banks and ILF programs
- It facilitates early feedback to mitigation providers
- Draft Prospectus Submittal Procedures:
 - Submit draft prospectus information and request a meeting with the IRT
 - Based on the information provided, the IRT will determine if the project has potential
 - If the site has potential, a site visit will be scheduled
 - IRT will provide written comments following the site visit



DRAFT PROSPECTUS GUIDANCE FOR STREAM MITIGATION BANKS OR ILF PROJECTS

- Draft Prospectus Guidance for Streams has been updated
 - DO NOT USE Function-based Rapid Stream Assessment Methodology
 - SQT Methodology and data forms will be used



Function-based Rapid Reach Level Stream Assessment				
Assessment Parameter	Measurement Method	Categories		
		Functioning	Functioning-at-Risk	Not Functioning
Stream Function Pyramid Level 1 Hydrology				
1. Concentrated Flow	No potential for concentrated flow/impairments from sediment loadings	Some potential for concentrated flow/impairments to reach restoration sites, however, measures are in place to protect resources	Potential for concentrated flow/impairments to reach restoration sites and no treatment are in place	
	Existing Condition			
	Proposed Condition			
2. Fluctuosity	Non-fluctu flow regime as a result of rainfall patterns, geology, and soils, impervious cover less than 6%	semi-fluctu flow regime as a result of rainfall patterns, geology, and soils, impervious cover 7 - 15%	Fluctu flow regime as a result of rainfall patterns, geology, and soils, impervious cover greater than 15%	
	Existing Condition			
	Proposed Condition			
If existing reach is FAR or NF, provide description of cause(s) and stability trend and if F can not be probably achieved				
Reach Overall EXISTING Condition		F	FAR	NF
Reach Overall PROPOSED Condition		F	FAR	NF
Stream Function Pyramid Level 1 Hydrology Overall EXISTING Condition: F FAR NF				
Stream Function Pyramid Level 2 Hydrology Overall EXISTING Condition: F FAR NF				
Stream Function Pyramid Level 2 Hydrology				
3. Channel Stability	No potential for channel stability issues	Some potential for channel stability issues	Potential for channel stability issues	
	Existing Condition			
	Proposed Condition			
4a. Entrenchment	Minimal entrenchment	Localized entrenchment	Entrenched	
	Existing Condition			
	Proposed Condition			
If existing reach is FAR or NF, provide description of cause(s) and stability trend and if F can not be probably achieved				
Floodplain Connectivity Overall EXISTING Condition		F	FAR	NF
Floodplain Connectivity Overall PROPOSED Condition		F	FAR	NF



PERMITTEE-RESPONSIBLE MITIGATION GUIDANCE



US Army Corps
Of Engineers
Nashville District

Permittee-Responsible Stream Mitigation Guidance for PRM Projects within Tennessee November 2018



This Permittee-Responsible Mitigation (PRM) document has been developed to provide guidance on the required elements of a compensatory mitigation (CM) plan that is compliant with 33 CFR 332. This guidance document is applicable to all type of permittee-responsible compensatory mitigation, including on-site and off-site mitigation. As stated in 33 CFR 332.3(c)(3)(iii) and 230.93(c)(3)(iii), the level of information and analysis contained in a mitigation plan must be commensurate with the scope and scale of the authorized impacts and functions lost. Please provide the following information with the submittal of a permittee-responsible mitigation plan:

A. Basic Information

1. **DA Permit Number.** Provide the Department of the Army (DA) permit number for which PRM is proposed as well as other past or current permits from state or federal agencies.
2. **Applicant.** Provide contact information for the applicant, landowner(s), and agent(s).
3. **Agent.** Identify consultants or experts to be involved in design of the mitigation site, and list their qualifications and experience in designing and implementing mitigation projects.
4. **Impact Site.** Identify the resource type(s) and amount(s) of waters of the U.S. to be impacted by the project for which PRM is proposed. Please specify whether impacts will be temporary or permanent. For temporary impacts, please include an estimated schedule outlining when restoration of the temporary impacts would occur.

5. List the impact site(s) location from the nearest intersection of roads. List the nearest town.

PRM Guidance has been updated

- **DO NOT USE Function-based Rapid Stream Assessment Methodology**
- **SQT Methodology and data forms will be used**

Purpose: To provide guidance on the required elements of a compensatory mitigation plan that is compliant with 33 CFR 332.

Benefits: To provide clear expectations to the public and a consistent and more efficient review that is rooted in sound science and is compliant with all applicable laws

Components of the PRM Guidance:

- Basic Information
- Components of a Compensatory Mitigation Plan
- Environmentally Preferable Consideration



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OVERVIEW OF MITIGATION BANKING TEMPLATE DOCUMENT

- Document consists of 10 Sections and Exhibits A - I
- All italicized **BLUE** text should be replaced with project specific information.
- Do not change or remove parts of the template, any changes to standard language should receive prior IRT approval.
- Any changes to standard language should be submitted in red highlights.

DRAFT DELIBERATIVE – Information Contained in this Draft Document is Subject to Change

Note: Do not change or remove parts of the template, any changes to standard language should be submitted in red highlights. All blue text should be replaced with project specific information.

MITIGATION BANKING INSTRUMENT

[BANK NAME] MITIGATION BANK

This Mitigation Banking Instrument (“MBI”), dated this ___ day of _____, 20____, is made by and among [Bank Sponsor’s full legal name(s)] (“Bank Sponsor”), [Property Owner’s full legal name(s)] (“Property Owner”), and [delete name(s) of any of the following agencies that is not a party: the Nashville District of the U.S. Army Corps of Engineers (“USACE”), Louisville District of the U.S. Army Corps of Engineers (“USACE”), Memphis District of the U.S. Army Corps of Engineers (“USACE”), Region 4 of the U.S. Environmental Protection Agency (“USEPA”), the U.S. Fish and Wildlife Service (“USFWS”), the Natural Resources Conservation Service (“NRCS”), the Tennessee Valley Authority (“TVA”), the Tennessee Department of Environment and Conservation (“TDEC”), the Tennessee Wildlife Resources Agency (“TWRA”), Kentucky Department of Fish and Wildlife Resources (“KDFWR”), Kentucky Division of Water (“KDW”), the Alabama Department of Environmental Management (“ADEM”), and the Alabama Department of Conservation and Natural Resources (“ADCNR”)]. These agencies comprise and are referred to jointly as the Interagency Review Team (“IRT”). The Bank Sponsor, Property Owner, and the IRT are hereinafter referred to jointly as the “Parties.” This MBI sets forth the agreement of the Parties regarding the establishment, use, operation and maintenance of the [Bank name] Mitigation Bank (the “Bank”).

USACE approval of this Instrument constitutes the regulatory approval required for the Mitigation Bank to be used to provide compensatory mitigation for Department of the Army permits pursuant to 33 C.F.R. § 332.8(a)(1). This Instrument is not a contract between the Sponsor or Property Owner and USACE or any other agency of the federal government. Any dispute arising under this Instrument will not give rise to any claim by the Sponsor or Property Owner for monetary damages. This provision is controlling notwithstanding any other provision or statement in the Instrument to the contrary.

RECITALS

- A. The Bank Sponsor is responsible for establishing, operating, and maintaining the Bank according to this MBI.
- B. The Property Owner is the owner of real property containing approximately _____ acres (the “Property”), located at _____ [insert coordinates in decimal degrees, address and county], State of (Alabama, Tennessee, or Kentucky), designated Assessor’s Parcel

[Bank Name] Mitigation Bank [Version Date]

NEW REFERENCE DOCUMENTS & TEMPLATES

- Property Assessment & Warranty Document
- Land Use Restrictions Template
- Conservation Easement Template
- Example Escrow Agreement
- Letter of Credit Template



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NEW REFERENCE DOCUMENTS & TEMPLATES

NOTE: *The following Property Assessment and Warranty is provided by the U.S. Army Corps of Engineers, Nashville District, as a standard template document for compensatory mitigation projects. The Property Assessment and Warranty must be completed and returned to the Corps with all attachments included after a public notice has been issued for the permit application, mitigation bank prospectus or in-lieu fee project proposal, or, if public notice is not required, upon receipt of a proposed detailed mitigation plan. The Property Assessment and Warranty, including the attachments and documents incorporated by reference in it and any amendments thereto, must be attached as an exhibit to the final mitigation plan or mitigation banking instrument, as applicable. Any modifications to this template must be identified using track changes or other electronic comparison and explained in an attached addendum. This template should not be construed or relied upon as legal advice or opinion on any specific facts or circumstances. (Template Version Date: January 29, 2018)*

PROPERTY ASSESSMENT AND WARRANTY

This Property Assessment and Warranty ("Property Assessment") is made as of this ____ day of _____, 20__, by *[insert full legal name(s) of property owner(s)]* ("Property Owner"), for the benefit of the *[insert if an in-lieu fee program or mitigation bank: Interagency Review Team ("IRT") chaired by the/ Nashville District of the U.S. Army Corps of Engineers ("Corps").* Property Owner acknowledges that this Property Assessment and the statements in it may be conclusively relied upon by *[choose the former if permittee-responsible mitigation; the latter if an ILF program or mitigation bank: the Corps or the IRT]* in approving *[choose one: the permit application for the _____ Project or the Department of the Army Permit No. _____ or the _____ Project as an amendment to the _____ In-Lieu Fee (Stream/Wetland) Mitigation Program or the Mitigation Banking Instrument ("MBI") for the _____ Bank].*

This Property Assessment provides a summary and explanation of each recorded or unrecorded lien or encumbrance on, or interest in, the Protected Property (as defined below), including, without limitation, each exception listed in the Preliminary Report issued by *[insert title company name]*, *[insert title report date]*, *[insert title report number]* (the "Preliminary Report"), covering the Protected Property, as described in **Attachments 1 and 2** attached hereto and incorporated by this reference. Specifically, this Property Assessment includes a narrative explaining each lien, encumbrance, interest or other exception to title and the manner in which it may affect the conservation easement to be recorded against the Protected Property (the "Conservation Easement") pursuant to the *[choose one: approved mitigation plan or MBI].*

Property Owner covenants, represents, and warrants to *[choose one: the Corps or each of the IRT members]* as follows:

1. Property Owner is the sole owner in fee simple of certain real property containing approximately _____ acres located at *[insert address]* in _____ County, State of _____, designated as Assessor's Parcel Number(s) *[insert parcel number(s)]* (the

Property Assessment & Warranty Document

- Used to identify encumbrances on a property that might affect the viability of the mitigation project.
- Must be completed and returned to the Corps with all attachments included after a PN has been issued for the project, or if PN is not required, upon receipt of a proposed detailed mitigation plan.
- Reviewed by Office of Counsel.



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NEW REFERENCE DOCUMENTS & TEMPLATES

Conservation Easement Template

- Preferred form of site protection for mitigation sites.
- It should be submitted with the mitigation plan and requires review by Office of Counsel.

This instrument prepared by:
Tennessee Department of Environment and Conservation
Division of Water Resources
Attn: _____
312 Rosa L. Parks Ave., 10th Floor
Nashville, Tennessee 37243

STATE OF TENNESSEE
COUNTY OF _____

NOTICE OF LAND USE RESTRICTIONS ("Add Property Name")

Notice is hereby given that, pursuant to their respective authorities found at Tennessee Code Annotated ("T.C.A.") § 68-212-225 and 33 Code of Federal Regulations ("C.F.R.") § 332.7(a), the Commissioner of the Tennessee Department of Environment and Conservation ("TDEC") and the _____ District Engineer of the United States Corps of Engineers ("USACE") determined that land use restrictions are appropriate for the protection of streams and wetlands, or for other environmental conservation purposes, at the below-described property. Pursuant to T.C.A. § 68-212-225(d) the register of deeds shall record this Notice of Land Use Restrictions ("Notice") and index it in the grantor index under the names of the owner(s) of the property.

WITNESSETH:

WHEREAS, _____ ("Owner"), a _____, is the sole owner in fee simple of approximately _____ acres of real property described in a deed of record with the _____ County, Tennessee Register of Deeds, Book _____, Page _____ [for Instrument Number] ("Property"), and as more particularly described in the legal description attached as **Exhibit A** and incorporated herein by reference;

WHEREAS, the Property is shown on a survey drawn by _____ dated _____, attached hereto as **Exhibit B** and incorporated herein by reference;

WHEREAS, the Property possesses natural resources with significant aquatic, ecological and habitat values ("Conservation Values"). These natural resources are of aesthetic, ecological, educational, historical, recreational, and scientific value to the Nation and its people. These values include Waters of the United States, as defined in 40 C.F.R. § 122.2 and 33 C.F.R. Part 328, and Waters of the State, as defined in T.C.A. § 69-3-101, *et seq.* including streams, wetlands and the adjacent uplands, and other native vegetation and wildlife. These natural resources are of great importance to USACE, TDEC, and Owner;

WHEREAS, the Property has been approved by USACE for use as compensatory mitigation pursuant to and as defined in 33 C.F.R. Part 332,

NOTE: The following Conservation Easement Deed template is provided by the U.S. Army Corps of Engineers, Nashville District, as a standardized site protection document for compensatory mitigation sites within the Nashville District area of responsibility in Tennessee. The template must be completed with all exhibits attached before submitting it to the Corps for review. Any modifications to this template must be identified using track changes or other electronic comparison and explained in comments or an attached addendum. This template should not be construed or relied upon as legal advice or opinion on any specific facts or circumstances. (Version Date: March 29, 2018)

CONSERVATION EASEMENT DEED

THIS CONSERVATION EASEMENT DEED ("Conservation Easement") is made this _____ day of _____, 20____, by [full legal name(s) of granting landowner(s)], [address of granting landowner(s)] ("Grantor"), in favor of [full legal name of holder of the conservation easement], [address of holder] ("Holder"), with reference to the following facts:

RECITALS

A. Grantor is the sole owner in fee simple of certain real property consisting of approximately _____ acres, located at [address] in _____ County, Tennessee (the "Protected Property"), as described in Deed Book [cite deed book and page number] in the records of the Register of Deeds for _____ County, Tennessee, and as more particularly described and depicted in **Exhibit A**, attached and incorporated into this Conservation Easement by reference.

[NOTE: Grantor must attach a legal description (i.e. metes and bounds) and survey of the Protected Property signed and stamped by a licensed surveyor in an exhibit identified as **Exhibit A** to the Conservation Easement. If the Protected Property consists of less than the whole property described, also include a separate, clearly identifiable legal description of the conservation area(s) and clearly delineate the Protected Property on the survey. In addition, Grantor must include on a scaled drawing of the areas subject to the Conservation Easement, the location and extent of all known, existing easements, property interests, rights-of-ways, utilities, drainage ditches, storm water facilities, cattle crossings, and structures.]

B. Holder, which has as its primary purpose [describe Holder's mission or purpose, i.e. to protect and preserve natural lands or resources in their natural, scenic, agricultural, forested, or open space condition or use], is a [describe Holder's legal status as either a public body legally empowered to hold an interest in real property or charitable corporation, association or trust], qualified as a tax-exempt non-profit organization under Sections 501(c)(3) and 170(b) of the Internal Revenue Code, as amended, is authorized to hold this Conservation Easement pursuant to the Conservation Easement Act of 1981, Tenn. Code Ann. §§ 66-9-301, *et seq.*, and has agreed to accept this grant.

Notice of Land Use Restrictions Template

- Private Property and State Property
- Typically this is only used on very small PRM projects where a CE cannot be obtained.
- It should be submitted with the mitigation plan and reviewed by Office of Counsel.



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NEW REFERENCE DOCUMENTS & TEMPLATES

NOTE: The following Escrow Agreement template is provided by the U.S. Army Corps of Engineers, Nashville District, as a standardized financial assurance document for compensatory mitigation sites within the Nashville District area of responsibility in Tennessee. The template must be completed with all exhibits attached before submitting it to the Corps for review. Any modifications to this template must be identified using track changes or other electronic comparison and explained in comments or an attached addendum. This template should not be construed or relied upon as legal advice or opinion on any specific facts or circumstances. (Version Date: October 1, 2018)

EXAMPLE ESCROW AGREEMENT [NAME OF MITIGATION BANK] CONSTRUCTION AND ESTABLISHMENT FUND

This Agreement, made this _____ day of _____, 20____, by and between [NAME OF MITIGATION BANK SPONSOR] ("Sponsor"), the United States Army Corps of Engineers, Nashville District ("CELRN"), and [NAME OF FINANCIAL INSTITUTION] ("Bank"), memorializes the following agreement of the parties.

WITNESSETH THAT:

WHEREAS, on _____, 20____, the Sponsor and CELRN, in consultation with the Interagency Review Team (the "IRT"), entered into a Mitigation Banking Instrument (hereinafter referred to as the "MBI") for the establishment of the [NAME OF MITIGATION BANK] Mitigation Bank (hereinafter referred to as the "Mitigation Bank").

WHEREAS, pursuant to the MBI, the Sponsor is required to ensure that sufficient funds are available to assure the construction, monitoring and adaptive management, and long-term management of the Mitigation Bank, to the needs and projected costs of the Mitigation Bank.

WHEREAS, the Sponsor and CELRN have agreed to have the Mitigation Bank should be deposited into an escrow account and held by the Bank in accordance with the MBI and this Escrow Agreement; and

WHEREAS, the Bank has agreed to serve as escrow agent for the Sponsor and CELRN and to act as escrow agent for the Sponsor and CELRN.

NOW, THEREFORE, the parties agree as follows:

1. The Bank is hereby appointed the escrow agent and is designated the depository for the monies deposited into the aforementioned MBI. The Bank shall establish a [NAME OF MITIGATION BANK] Construction and Establishment Fund (hereinafter referred to as the "Fund")

STRAIGHT IRREVOCABLE LETTER OF CREDIT

The [INSERT FINANCIAL INSTITUTION'S NAME AND ADDRESS], (hereinafter referred to as the "Bank") grants a straight irrevocable letter of credit (hereinafter referred to as the "letter of credit") for the amount of _____ Dollars (\$ _____) [INSERT WRITTEN & NUMERICAL AMOUNT], in favor of the U.S. Army Corps of Engineers, Nashville District (hereinafter referred to as the "Beneficiary"), at the request of and on behalf of [INSERT APPLICANT'S NAME, CITY, & STATE] (hereinafter referred to as the "Applicant"), to monitor, perform, complete, pay or supply required documents regarding [INSERT MITIGATION PROJECT OR PLAN NAME] ("Project"), associated with the Department of the Army Permit No. _____ ("Permit").

This letter of credit is irrevocable and effective on [DATE], and will expire on [MINIMUM LENGTH OF TIME ESTIMATED NECESSARY FOR ACHIEVEMENT OF MITIGATION PERFORMANCE STANDARDS], unless extended or renewed by written consent of the parties.

The Bank warrants and represents it is a federally regulated and insured financial institution rated investment grade or higher by a commercial rating service. The Bank will notify the Beneficiary at least 120 days before this letter of credit is revoked, terminated, modified, or otherwise affected. Neither this letter of credit nor any rights with respect thereto may be assigned or otherwise transferred, in whole or in part, to any other person or entity without the express written consent of the Beneficiary.

The Beneficiary can demand payment from the Bank to the Beneficiary's designee or to a standby trust agreement up to an amount of _____ Dollars (\$ _____) [INSERT WRITTEN & NUMERICAL AMOUNT] or fractions thereof up to said amount. This letter of credit will only be considered terminated once withdrawal of _____ Dollars (\$ _____) [INSERT WRITTEN & NUMERICAL AMOUNT] has been completed or by written agreement between the Beneficiary and the Applicant.

The Beneficiary has the exclusive right to demand payment from the Bank to the Beneficiary's designee or to a standby trust agreement of any sums under the terms of this letter of credit from the Bank, to be used to complete the Project as provided in the Permit or to provide alternative compensatory mitigation as approved by the Beneficiary. The demand shall be made by presentation of a letter sent by certified mail to the Bank located at [INSERT BANK'S FULL ADDRESS], similar to Attachment A signed by the District Engineer, U.S. Army Corps of Engineers, Nashville District.

The Bank's payment of the demand shall be made by means of a certified check payable to the Beneficiary's designee or to a standby trust agreement. Payment shall be made by certified mail within one Bank working day after the Bank receives the demand via certified mail. The District Engineer, U.S. Army Corps of Engineers, Nashville District, or his/her officially designated representative, is the official authorized by the Beneficiary to make demand upon the Bank for payment to the Beneficiary's designee or to a standby trust agreement.

Nothing in this letter of credit will be construed as making the Beneficiary responsible in any manner for any failure of the Applicant to provide adequate assurances to the Bank.

Example Escrow Agreement and Letter of Credit Template

- Forms of financial assurances.
- Fact sheets on financial assurances located on website
- This should be submitted with the mitigation plan and forwarded to office of counsel for review.

Example Performance Bond Template under development

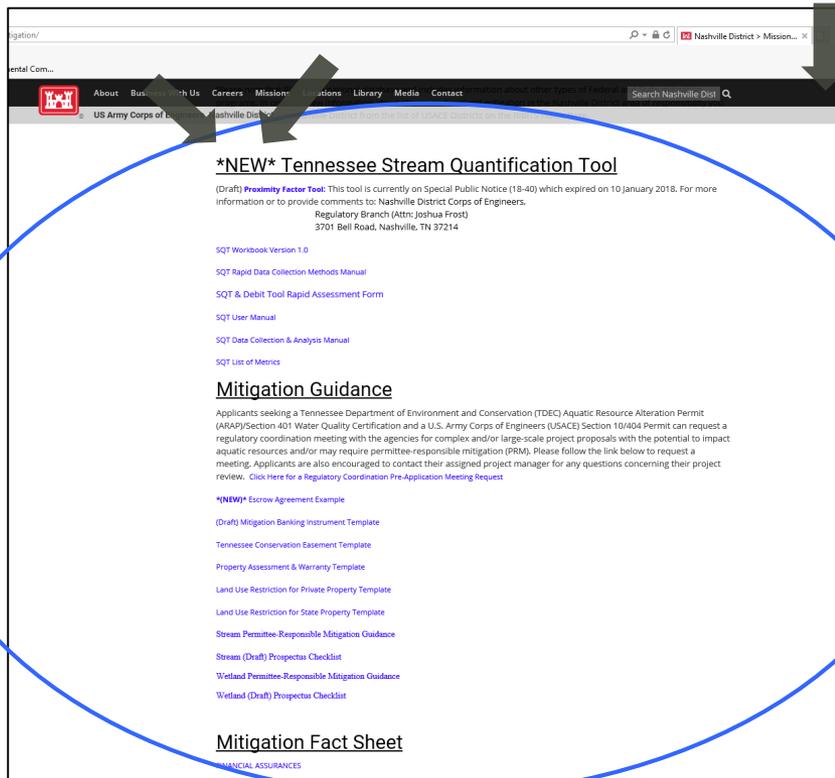


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NASHVILLE REGULATORY MITIGATION WEBPAGE

<https://www.lrn.usace.army.mil/Missions/Regulatory/Mitigation/>



Review the mitigation website for the most up-to-date mitigation documents and templates



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PROJECT REVIEW MEETINGS

- TDEC & Corps meet jointly with the applicants to review regulatory permit applications for complex and/or a large-scale projects which may also include permittee-responsible mitigation.
- Meetings are held first week of every month.
- To request a pre-application meeting, please send a brief description of the project to Scott.Hall@tn.gov.
- <https://www.tn.gov/content/tn/environment/permit-permits/water-permits1/aquatic-resource-alteration-permit--arap-/wr-wq-mitigation-pre-application.html>



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RIBITS



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RIBITS – REGULATORY IN-LIEU FEE AND BANK INFORMATION TRACKING SYSTEM

The RIBITS database tracks Mitigation Banks and ILF Projects

- Ledgers (credits / debits)
- Document Repository

RIBITS Website: https://ribits.usace.army.mil/ribits_apex/f?p=107:2

The screenshot displays the RIBITS website interface. At the top, the browser address bar shows the URL https://ribits.usace.army.mil/ribits_apex/f?p=107:2. The page header features the RIBITS logo and the title "Regulatory In-lieu Fee and Bank Information Tracking System".

On the left side, there is a navigation menu with sections for "TRACKING" (containing checkboxes for "MITIGATION" and "WQT"), "MENU" (listing various topics like "Mitigation Concepts", "Banks & ILF Sites", "ILF Programs", "Umbrella Instruments", "Reporting", "Bank & ILF Establishment", "Assessment Tools", "Credit Classifications", "Related Sites", "Find Credits", and "Help"), and "FILTER" (with radio buttons for "USACE District", "State", "FWS Field Office", and "NOAA Fisheries Region", and a dropdown for "ALL DISTRICTS").

The main content area includes an "OpenLayers Map" showing a map of the United States with state boundaries. To the right of the map, there is a "RIBITS Sponsors" section with logos for the US Army Corps of Engineers, USDA, NOAA Fisheries, and the U.S. Department of Transportation Federal Highway Administration. Below this is an "About RIBITS" section with a paragraph describing the system's development and purpose. Further down is a "Top News" section with a "[View All]" link and three news items:

- May 15, 2019 **Credit Release (GA)**
Good Neighbor Creek received a credit release.
- May 15, 2019 **Credit Release (KY)**
EIP-KS/WMB-III North Fork Stream Mitigation Bank (LRL-2015-00322) received a credit release.
- May 15, 2019 **Credit Release (GA)**
Demorest Lake received a credit release.



RIBITS – FIND CREDITS

https://ribits.usace.army.mil/ribits_apex/?fjs=1072

File Edit View Favorites Tools Help

miscdocs Sign In Suggested Sites TFPR Environmental Com...

RIBITS

Regulatory In-lieu Fee and Bank Information Tracking System

Collapse

TRACKING

MITIGATION WOT

MENU

- Mitigation Concepts
- Banks & ILF Sites
- ILF Programs
- Umbrella Instruments
- Reporting
- Bank & ILF Establishment
- Assessment Tools
- Credit Classifications
- Related Sites
- Find Credits
- Help

FILTER

USACE District
 State
 FWS Field Office
 NOAA Fisheries Region

ALL DISTRICTS ▾

OpenLayers Map

Districts ▾

← MENU →

- Mitigation Concepts
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- ILF Programs
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- Reporting
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- Credit Classifications
- **Related Sites**
- **Find Credits**
- Help

← FILTER →

- USACE District
 State
 FWS Field Office
 NOAA Fisheries Region

ALL DISTRICTS ▾



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RIBITS – FINDING CREDITS

Mitigation/Conservation Banks & ILF Sites in Primary Service Area



Bank Name: [1 - Baker's Crossroads Wetland Mitigation Bank](#)

Bank Type: Private Commercial

Total Acres: 23

Distance to impact: 18 Miles

Permit No.: 2010-00204

Bank State: Tennessee

Bank Sponsor: Ken Morgan
 MRW Environmental, LLC
 32 North Main Street
 Sparta, TN 38583
 Email: mrwenvironmental@netzero.net
 Cell Phone: (931) 349-8674

Thomas Roberts
 MRW Environmental, LLC
 32 North Main Street
 Sparta, TN 38583

Bank Manager: Mr Mark G McIntosh
 Nashville, TN
 Email: mark.g.mcintosh@usace.army.mil

Credit Type **Credit Classifications** **Assessment Method** **Available Credits** **Jurisdiction**

Wetland Forested Wetlands HGM **9.00** Federal

Notes:

- Includes bank sponsor contact information
- Credit availability (does not track reserved credits)
- Check with the bank sponsor for credit availability



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Mitigation Banking Updates



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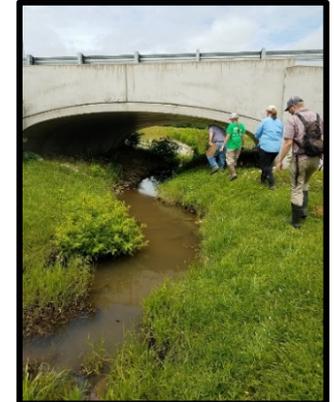


Third Party Compensatory Mitigation Updates

- Evaluated **38** mitigation bank/ILF sites
- **780 acres** of wetland restoration/enhancement
- **103 miles** of stream restoration/enhancement



Before



After

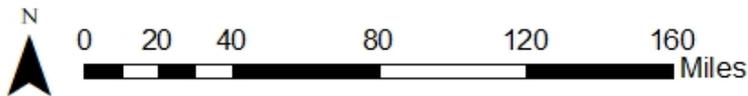
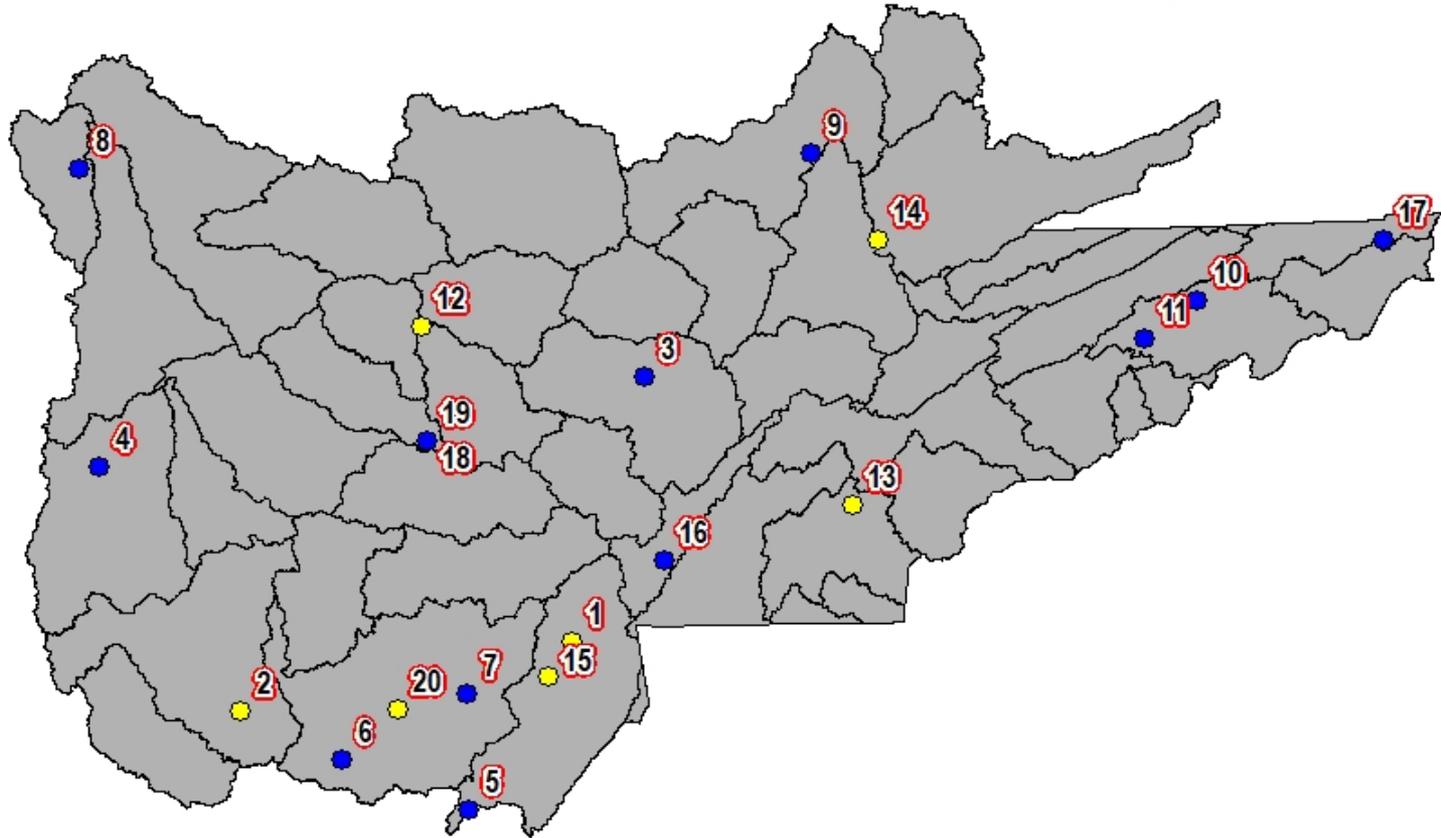
The TN IRT holds monthly IRT meetings to evaluate proposed bank and ILF projects, conduct site investigations and discuss programmatic initiatives.

BUILDING STRONG®

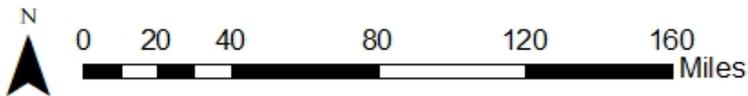
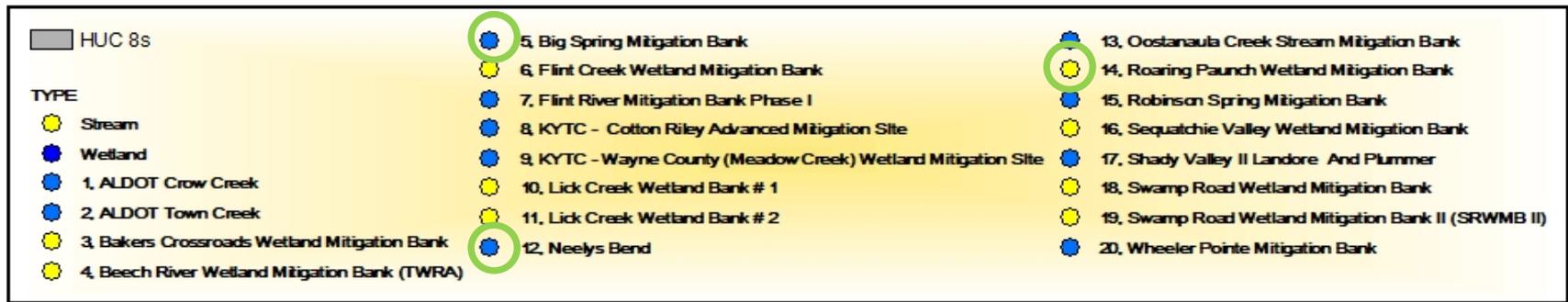
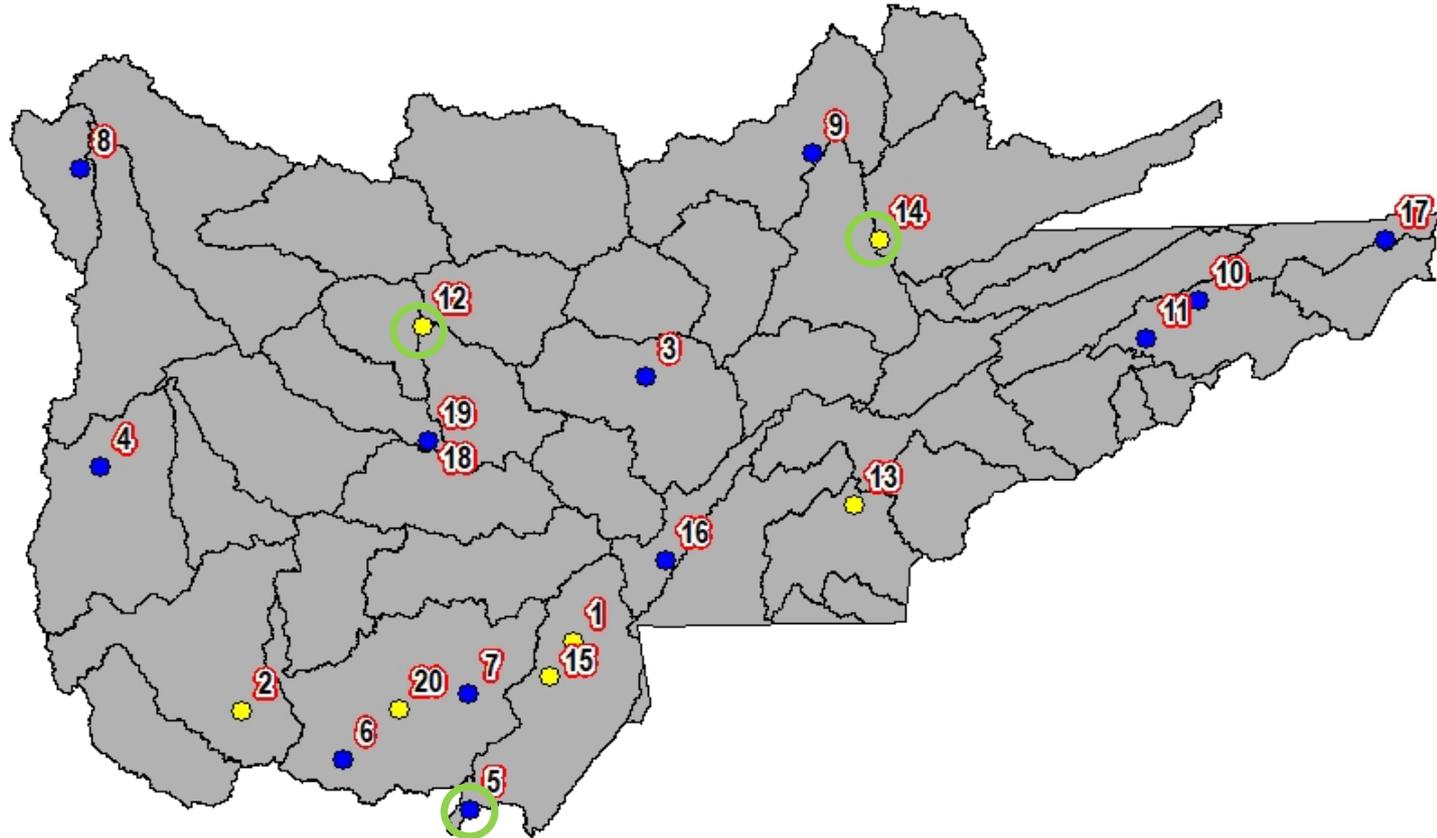
and Taking Care of People!



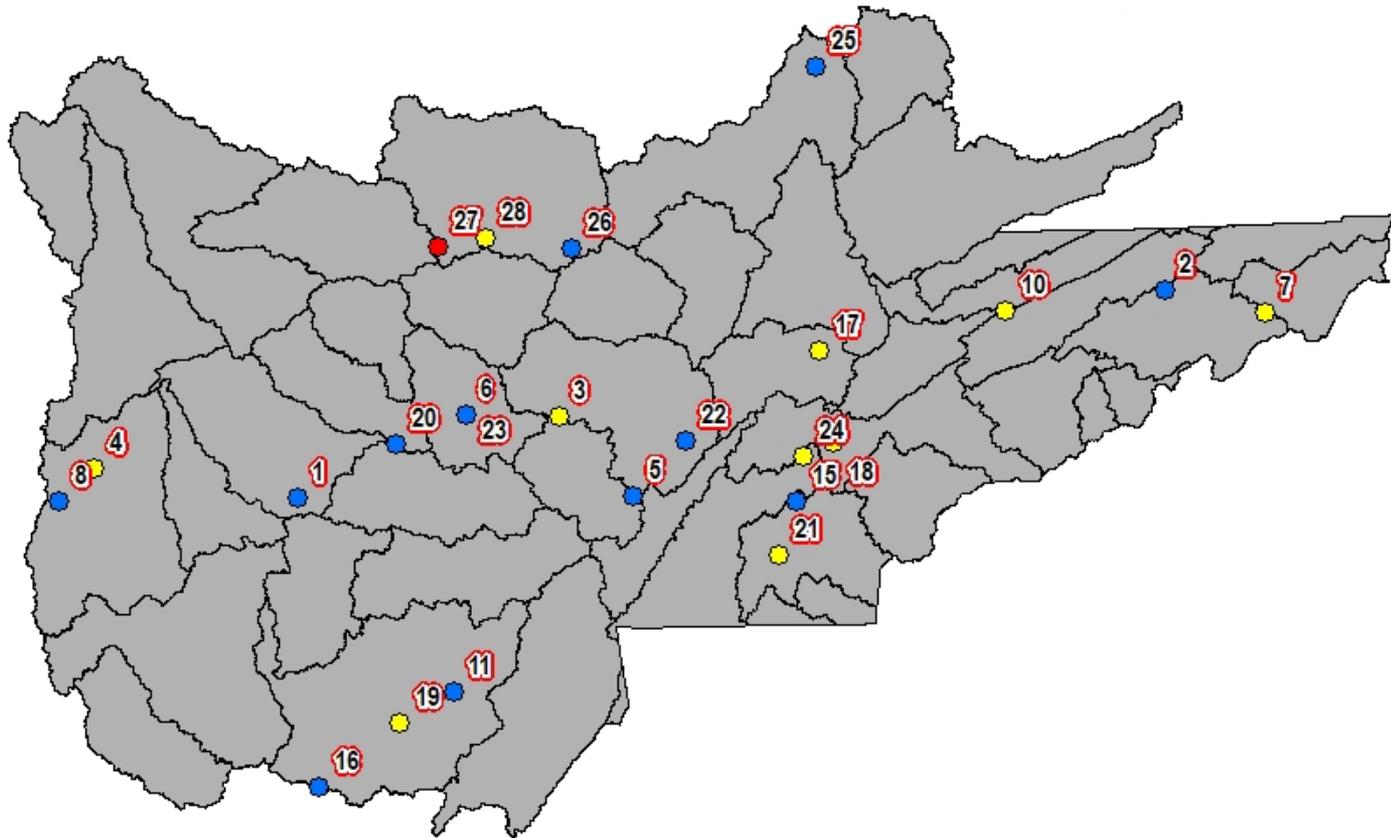
Nashville District - Approved Stream and Wetland Mitigation Banks



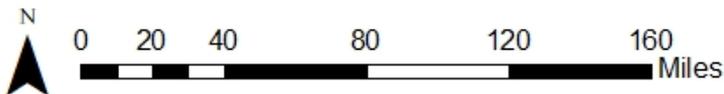
Nashville District - Approved Stream and Wetland Mitigation Banks



Nashville District - Pending Stream and Wetland Mitigation Banks



HUC 8s	5, Big Creek Stream Mitigation Bank	19, Redstone Arsenal Mitigation Bank
TYPE	6, Black Creek Mitigation Bank	20, Settlers Ridge Mitigation Bank
Stream	7, Buffalo Valley Mitigation Bank	21, South Mouse Creek Mitigation Bank
Stream/Wetland	8, Center Point Mitigation Bank	22, TDOT Bledsoe Correctional Complex
Wetland	10, Flat Creek Mitigation Bank	23, TDOT Umbrella Mitigation Bank Instrument
Name	11, Flint River Mitigation Bank Phase II	24, Ten Mile Creek Mitigation Bank
1, Arrow Mines Mitigation Bank	15, Lodi Stream Mitigation Bank	25, The Nature Conservancy- Page Property
2, Baileyton Stream Mitigation Bank	16, Looney Hollow Mitigation Bank	26, Walnut Shade Mitigation Bank
3, Banks Piagah Mitigation Bank	17, Mud Creek Bank	27, West Fork Drakes Creek Mitigation Bank
4, Beech River Canal Mitigation Bank	18, Paint Rock Creek Mitigation Bank	28, Little Trammel Mitigation Bank



THE TENNESSEE INTERAGENCY REVIEW TEAM REPRESENTATIVES



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