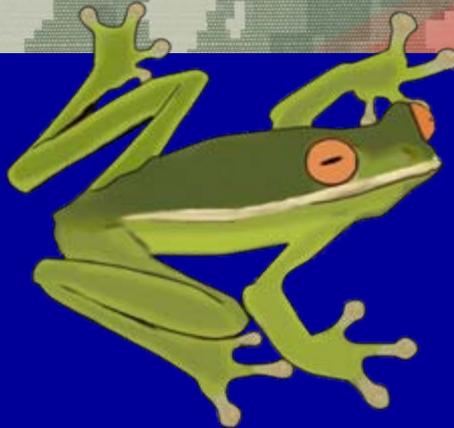




US Army Corps of Engineers



RIBITS Overview

*Hosted by the USACE Regulatory Branch
Huntington District*

<http://216.83.232.125:443/pls/htmldb/f?p=101:>

2:00 PM 1/12/2010 Charleston, West Virginia

1:00 PM 1/13/2010 Columbus, Ohio



Agenda

IntroductionUSACE Huntington District Regulatory Branch
Mike Hatten (WV) and Lee Pittman (OH)

USACE Headquarters Perspective USACE Institute for Water Resources
Steve Martin

RIBITS DemonstrationApplied Research Associates, Inc.
Beattie Williams and Cori Shiers

- Site Navigation
- District Customization
- Mitigation Banks
- Public vs. Regulator views
- Geospatial Tool
- Questions



Problems with mitigation banking information:

- Consistent and reliable information
- Tracking bank numbers & locations
- Location & extent of service areas
- Credit accounting
- Staff turnover & loss of experience
- Information transfer to regulators, advisory agencies & public



- Online tracking of mitigation banks & related information
- Secure Web-based Application
 - Regulatory: Credit tracking, national reporting, & information repository
 - Mitigation Bankers: Technology transfer, electronic ledger, & contact information
 - Public: Information lookup

RIBITS
Regional Internet Bank Information Tracking System



Navigation

- Home
- Mitigation Concepts
- Existing Banks
- Reporting
- Bank Establishment
- Assessment Tools
- Credit Classifications
- Related Sites
- Training

Access

LOGIN

Filter: ALL DISTRICTS

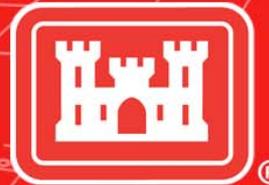
Map



New Items

- [Plug-in Information](#)

Map Results



Service Area

RIBITS
Regional Internet Bank Information Tracking System

[View Ledger] [Annual Inspections] [Bank Contact Sheet] [Cyber Repository] [Photo Gallery] [Edit Bank] [Copy Bank]

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LOGOUT CORISHIERS

Filter: Portland

General Bank Information

Mud Slough

District: Portland
 Permit No: 2007-699
 Total Acres: 180.00
 Bank Status: Approved
 Bank Type: Private Commercial
 Website:
 Comments: Polk County

Contact Information

Mark Knaupp
 1875 N. Greenwood Road
 Rickreall, OR 97371
 Email: wetlandbank@msn.com
 Phone: 503-559-0223

Credit Ledger Summary

Last Transaction: Jul 27, 2009

Name	Available Credits	Withdrawn Credits	Released Credits	Potential Credits
Wetland	14.216	72.054	86.27	115.325

Map for Mud Slough



Contact Information

Credit Summary



RIBITS can provide information on a District's banks including

- Credit ledgers
- Banking instruments
- Monitoring reports
- Bank images
- National and District policies, practices, & procedures



Benefits

- Better information for regulators, resource agencies, & the public
- District institutional memory
- Improved education of staff & resource agencies
- Reduced #s of FOIAs
- Facilitate meeting bank approval timelines



HQ USACE Objectives for RIBITS

- Used to track 3rd party mitigation in all Districts
- Exchange information with Corps Regulatory database (ORM) on location, status, type, and availability of 3rd party mitigation
- Facilitate transparency by providing public access to information on 3rd party mitigation



Status of Implementation:

- Buffalo, Chicago, Huntington, Jacksonville, Kansas City, Mobile, Norfolk, Portland, Sacramento, & Savannah are operational & visible to the public
- Data for 16 other Districts are being loaded and evaluated
- Objective:
All Districts legacy data loaded by April 2010



US Army Corps of Engineers



RIBITS Demonstration



RIBITS Overview

- Allows online tracking of wetland mitigation banking sites and related information.
- A Secure Multi-User Web-based Application
 - Mitigation Bankers: Provides a technology transfer service and electronic ledger.
 - Public: Provides information on mitigation banking sites.
 - Regulatory Administrator: Provides credit tracking capabilities and national report roll-ups.

RIBITS
Regional Internet Bank Information Tracking System

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Map

New Items

- Plug-in Information

Map Results

Credit Ledger Summary

Last Transaction: Aug 08, 2008

Name	Available Credits	Withdrawn Credits	Released Credits	Potential Credits
Wetland				
• Estuarine	23.36	21.75	45.11	53.72



District Customization

- Users can view the site at a National Level, or filter down by district to see district-specific information.
- District-specific information appears only when that district is chosen from the drop-down list.
- The custom information is created by district administrators in site administration pages.

RIBITS
Regional Internet Bank Information Tracking System

Navigation

- Home
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Bank Establishment

Federal, State, and Local regulations and guidance governed the Wetland Mitigation Bank establishment process. This section contains information to guide the prospective Wetland Mitigation Bank Sponsor through the bank establishment process.

General

- [Watershed Approach \(.pdf\)](#)
- [Mitigation Plan Requirements \(.pdf\)](#)
- [Requirements for a Complete Prospectus \(.pdf\)](#)
- [Requirements for Mitigation Bank & ILF Instruments \(.pdf\)](#)
- [IRT Timeline \(.pdf\)](#)
- [Dispute Timeline \(.pdf\)](#)
- [Model Banking Instrument, IWR Technical Paper WMB-TP-1, May 1996 \(.pdf\)](#)

References:

- [US Forest Service Ecoregions, 1995](#)
- [USGS Hydrologic Unit Codes \(HUC\)](#)

Navigation

ALL DISTRICTS
Alaska District
Albuquerque District
Baltimore District
Buffalo District
Charleston District
Chicago District
Detroit District
Fort Worth District
Galveston District
Honolulu District
Huntington District
Jacksonville District
Kansas City District



Mitigation Bank Information

- Bank Summary page for at-a-glance information.
- Features
 - Contact Information
 - Bank Maps
 - Credit Ledgers
 - Cyber Repository (Uploaded Documents)
 - Photo Gallery

RIBITS
Regional Internet Bank Information Tracking System

[View Ledger] [Annual Inspections] [Bank Contact Sheet] **Cyber Repository** **Photo Gallery** [Edit Bank] [Copy Bank]

Navigation

- Home
- Mitigation Concepts
- Existing Banks
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Rickreall, OR 97371
Email: wetlandbank@msn.com
Phone: 503-559-0223

Map for Mud Slough

Map showing Mud Slough location in Polk County, Oregon, near Weathers and Salem. The map is circled in red.

Access

LOGOUT CORISHIERS

Filter: Portland

Credit Ledger Summary

Last Transaction: Jul 27, 2009

Name	Available Credits	Withdrawn Credits	Released Credits	Potential Credits
Wetland	14.216	72.054	86.27	115.325



Cyber Repository

- Bankers can upload documents.
- Documents can be organized in folders for easier access.
- Documents can be easily moved from one folder to another or out of folders.

RIBITS
Regional Internet Bank Information Tracking System

[Add Folder] [Upload Document] [Photo Gallery] [Bank Info]

Navigation

- Home
- Mitigation Concepts
- Existing Banks
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- Bank Establishment
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LOGOUT CORISHIERS

Filter:

Bank Folders for West Eugene

Folder Name	Folder Type	Created
Service Area Maps	Maps	Nov 20, 2006
Wetlands Management Plan	Banking Instrument	Nov 20, 2006
Annual Report	Annual Monitoring	Nov 20, 2006
Mitigation Improvement Plan	Banking Instrument	Nov 21, 2006

1 - 4

Documents for West Eugene

Move Selected Documents to Folder:

Document Name	Created	Updated
<input type="checkbox"/> Wetlands-Area-Map-January-2006.pdf Service Area Map [Edit]	23-JUN-06	-

1 - 1



Photo Gallery

- A nice presentation of photos that have been uploaded to the cyber repository.
- The bank manager can choose which photos show up in the gallery.
- Pictures with the file formats of jpeg, bitmap, tiff, and gif are displayed.
- Thumbnails are links to larger version of photo.

RIBITS
Regional Internet Bank Information Tracking System

[Edit Gallery] [Cyber Repository] [Bank Info]

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- Reporting
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- Credit Classifications
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Access

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Filter:

Photo Gallery for Mud Slough

1 2

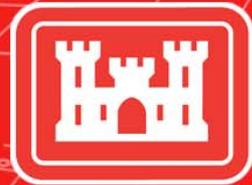

Mud Slough Field Trip April 2006. Close up of emergent wetland

phase 1 2007 phase 1 2007 phase 2


2007 phase 2



Credit Ledger

- Role level access protection
 - Bank POCs can create withdrawal transactions.
 - Bank Managers and Administrators can create all types of transactions
- Concise ledger summary at top of page
- Ledger can be filtered by type, habitat, or Category
- Ability to search a ledger for a specific permit number

RIBITS

Regional Internet Bank Information Tracking System

[\[New Transaction\]](#) [\[Bank Info\]](#) [\[Credit Release Schedule\]](#) [\[Existing Banks\]](#)

Credit Ledger at a Glance for Evergreen

Last Transaction: Aug 15, 2008

Name	Available Credits	Withdrawn Credits	Released Credits	Potential Credits
Wetland				
• Wetlands	50.146	9.277	59.423	84.52

Query Ledger

Transaction Type:

Credit Classification:

Jurisdiction:

Permit No:

TW = Total Withdrawal Credits, BoR = Balance of Released Credits

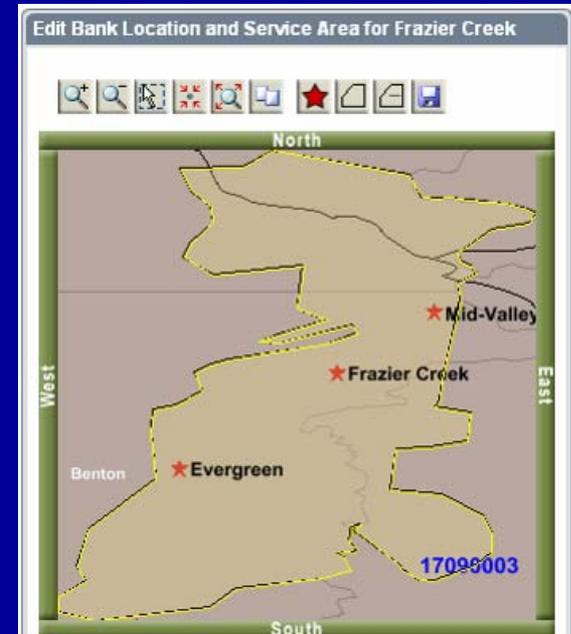
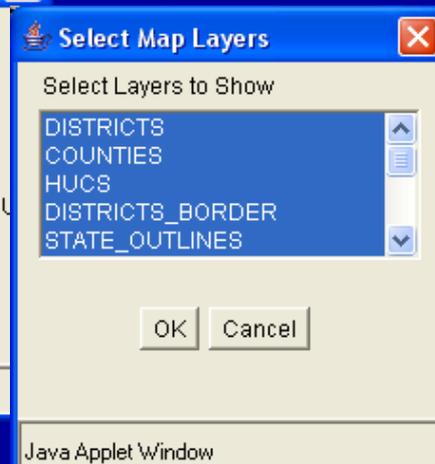
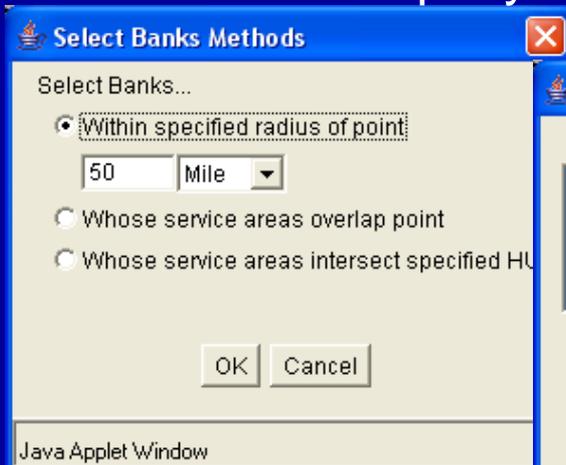
Edit	Type	Jurisdiction	Date	Permittee	Credits	Acres	Linear Feet	Permits	Credit Type	Impact HUC	Impact Quantity	TW	BoR	Comment
	Init	Federal	12/04/2006		80.3100	160.62			Wetlands			0.00	0.00	
	Init	Federal	12/04/2006		4.2100	12.90			Wetlands			0.00	0.00	
	Rel	Federal	02/27/2007		25.4670				Wetlands			0.00	25.47	
	Wdr	Federal	03/20/2007	Hill St Subdivision (WSS, LLC)	3.9000			NWP-2006-00910_37470	Wetlands			3.90	21.57	
	Wdr	Federal	05/07/2007	Benton Woods (DR Horton)	2.5000			NWP-2006-00930_37557-RE	Wetlands			6.40	19.07	
	Wdr	Federal	05/10/2007	Greater Albany School, Knox Butte	1.2600			NWP-2007-00582_38849	Wetlands			7.66	17.81	
	Wdr	Federal	09/27/2007	COA 53rd Ave Park Cty of Albany	0.1400			NWP-2007-00751_39021-RE	Wetlands			7.80	17.67	
	Wdr	Federal	12/10/2007	Weirich Drive Development	0.0970		0.00	NWP-2007-00582_39237	Wetlands			7.90	17.57	
	Wdr	Federal	03/20/2008	ODOT Wren Hill-Conv-Newport HWY	1.0000			NWP-1994-00929_RF-0730	Wetlands			8.90	16.57	
	Wdr	Federal	03/24/2008	Greater Albany Public School	0.3400			NWP-2007-00582_38849-RE	Wetlands			9.24	16.23	
	Wdr	Federal	04/01/2008	Greater Albany Public School	0.0400			NWP-2007-00582_38849-RE	Wetlands			9.28	16.19	
	Rel	Federal	04/04/2008		16.9780		0.00		Wetlands			9.28	33.17	
	Rel	Federal	08/15/2008		16.9780		0.00		Wetlands			9.28	50.15	

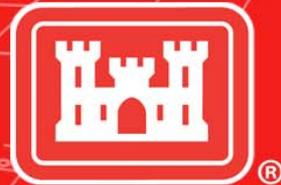
Export to Excel



Interactive Map

- Dynamically Edit Bank Service Area Polygons (access protected)
- Point and Click to set bank location (access protected)
- Query geography to get nearby banks
- Location query to find Latitude and Longitude of a point
- Select which map layers are visible





Future Enhancements

- Upward Reporting
 - Automatic conversion of credits to acres/linear feet
- Geospatial Enhancements
 - District specific layers
 - Multiple Service Areas
 - Improved Navigation
 - Export of Shape and KML files
- In-lieu Fee Tracking
- Site Navigation



Questions?