

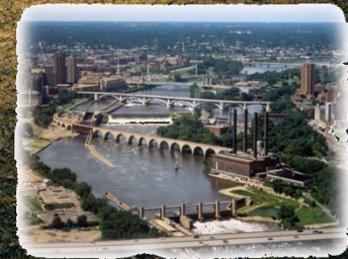
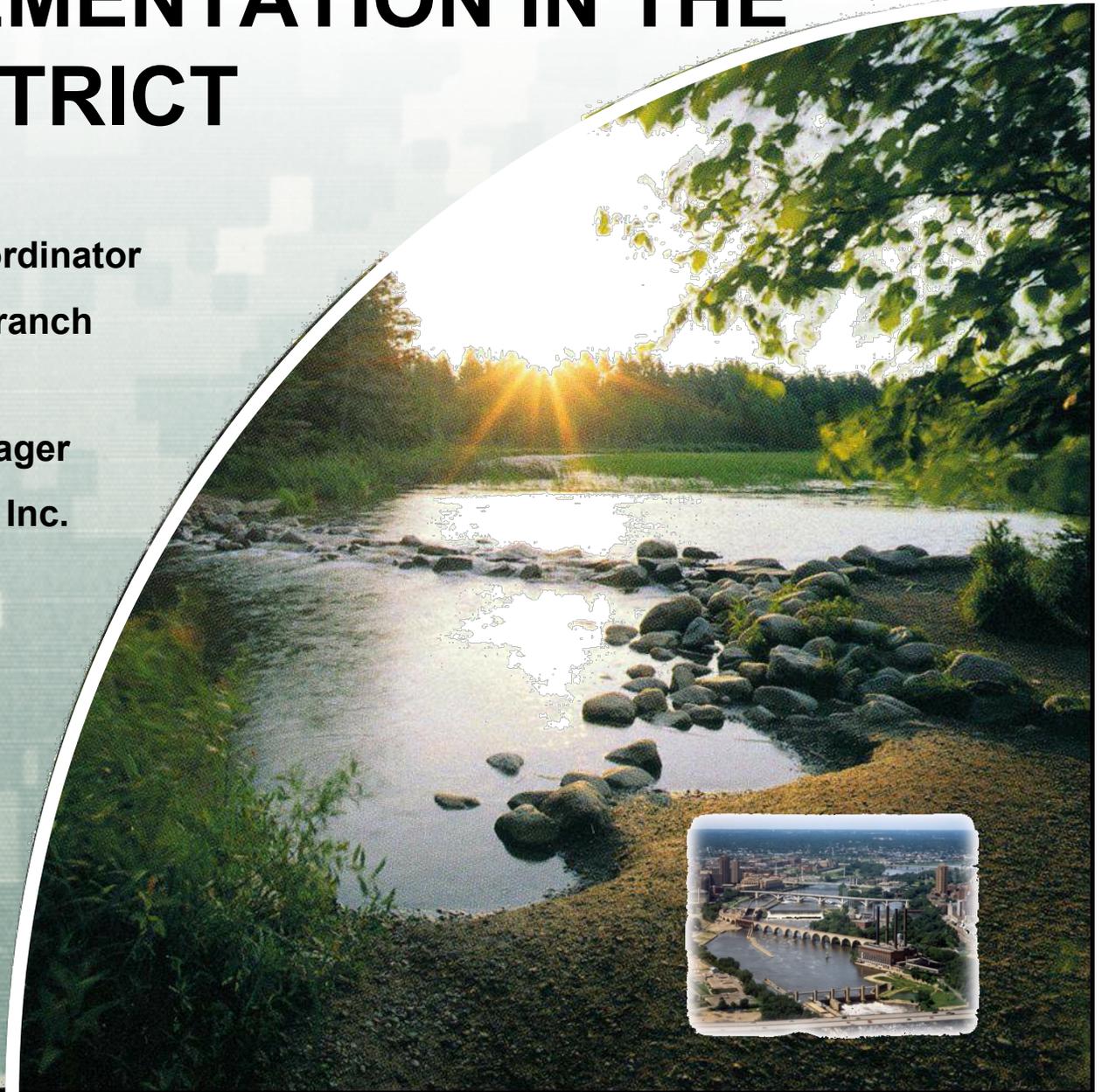
RIBITS IMPLEMENTATION IN THE ST. PAUL DISTRICT

Tom Mings, District Bank Coordinator
St. Paul District, Regulatory Branch

Beattie Williams, Project Manager
Applied Research Associates, Inc.



US Army Corps of Engineers
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Minnesota Agenda

- Welcome and Introduction
- Vision - St. Paul District, Regulatory Branch
 - ▶ ***Kelly Urbanek,, Chief, Northwest Section or***
 - ▶ ***Marita Velencia, Chief Southwest Section***
- Vision - Minnesota Board of Water & Soil Resources
 - ▶ ***Les Lemm, Wetland Conservation Act Coordinator***
- History and Current Status of Mitigation Banking and RIBITS
 - ▶ ***Beattie Williams, ARA***
- RIBITS Overview
 - ▶ ***Beattie Williams and Michelle Thompson, ARA***
 - Site Navigation
 - District Customization
 - Mitigation Banks
 - Map Interface
- Status of Minnesota banking data entry –
 - ▶ ***Tom Mings (USACE) and Natasha DeVoe (BWSR)***
 - RIBITS rollout schedule
 - Future use and administration of RIBITS in Minnesota
- Questions



St. Paul District Vision

ONE SYSTEM TO SERVE ALL

- There is now potential for a single, common bank credit ledger
- Public access to credit tracking for commercial banks
- Credit tracking for ALL banks available for advisory agencies
- Password-protected credit information on all banks for regulators making permit decisions
- Information sharing among regulators, advisory agencies, sponsors & public



RIBITS Background

RIBITS can provide information on a District's banks including

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



RIBITS Background

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

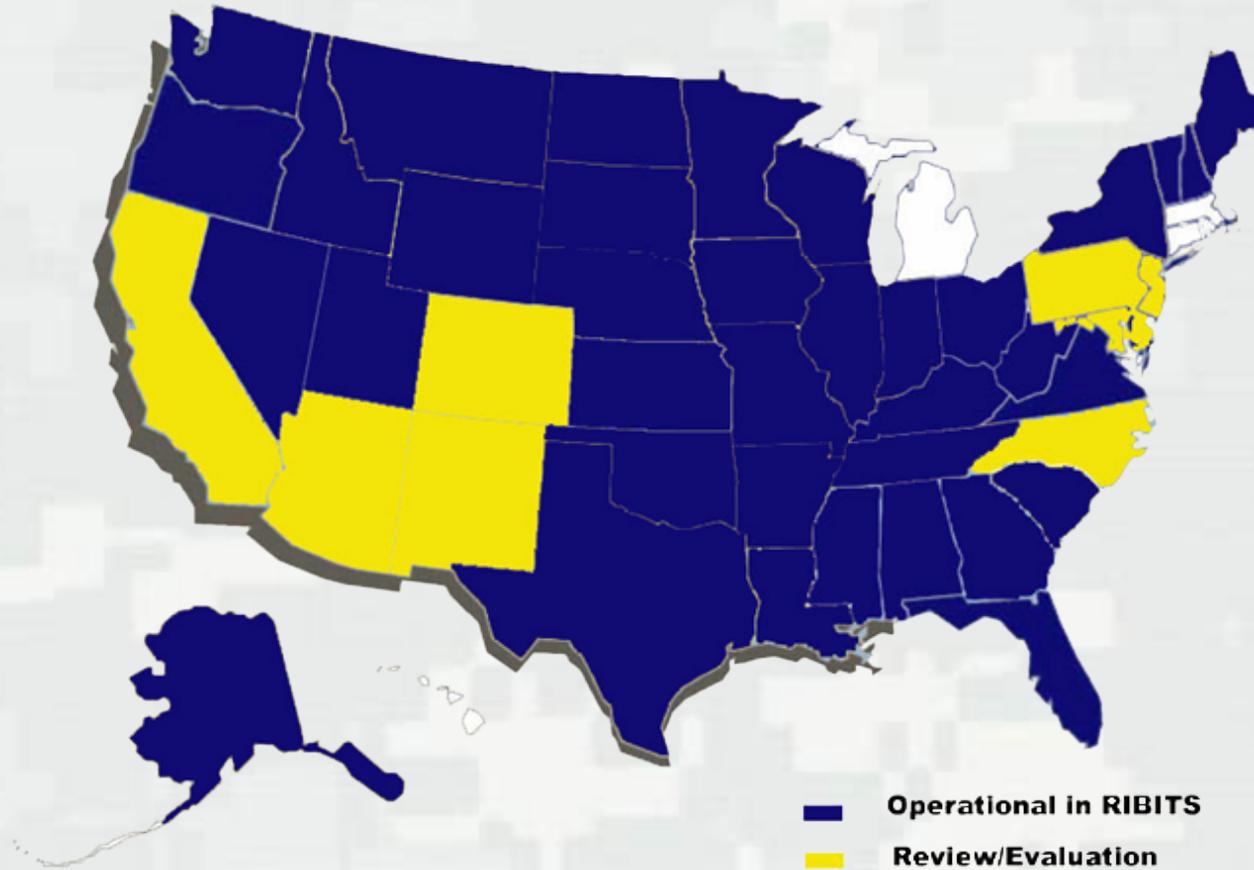


National Objectives for RIBITS

- Used to track 3rd party mitigation in all Districts
- Exchange information with Corps Regulatory database (ORM2) on location, status, type, and availability of 3rd party mitigation
- Provide better information on 3rd party mitigation to public
- Institutional memory on 3rd party mitigation

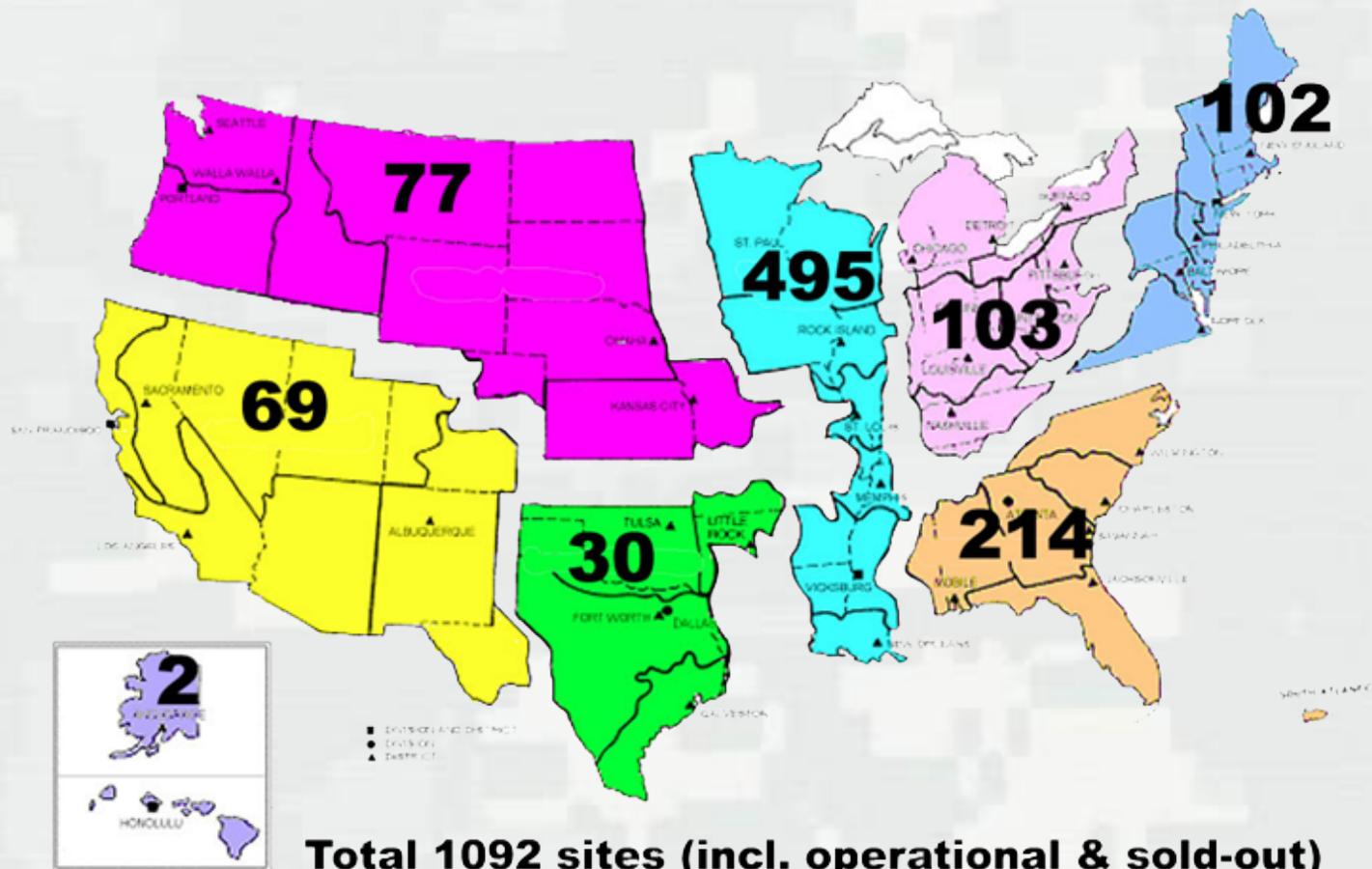


Status of RIBITS Implementation by State



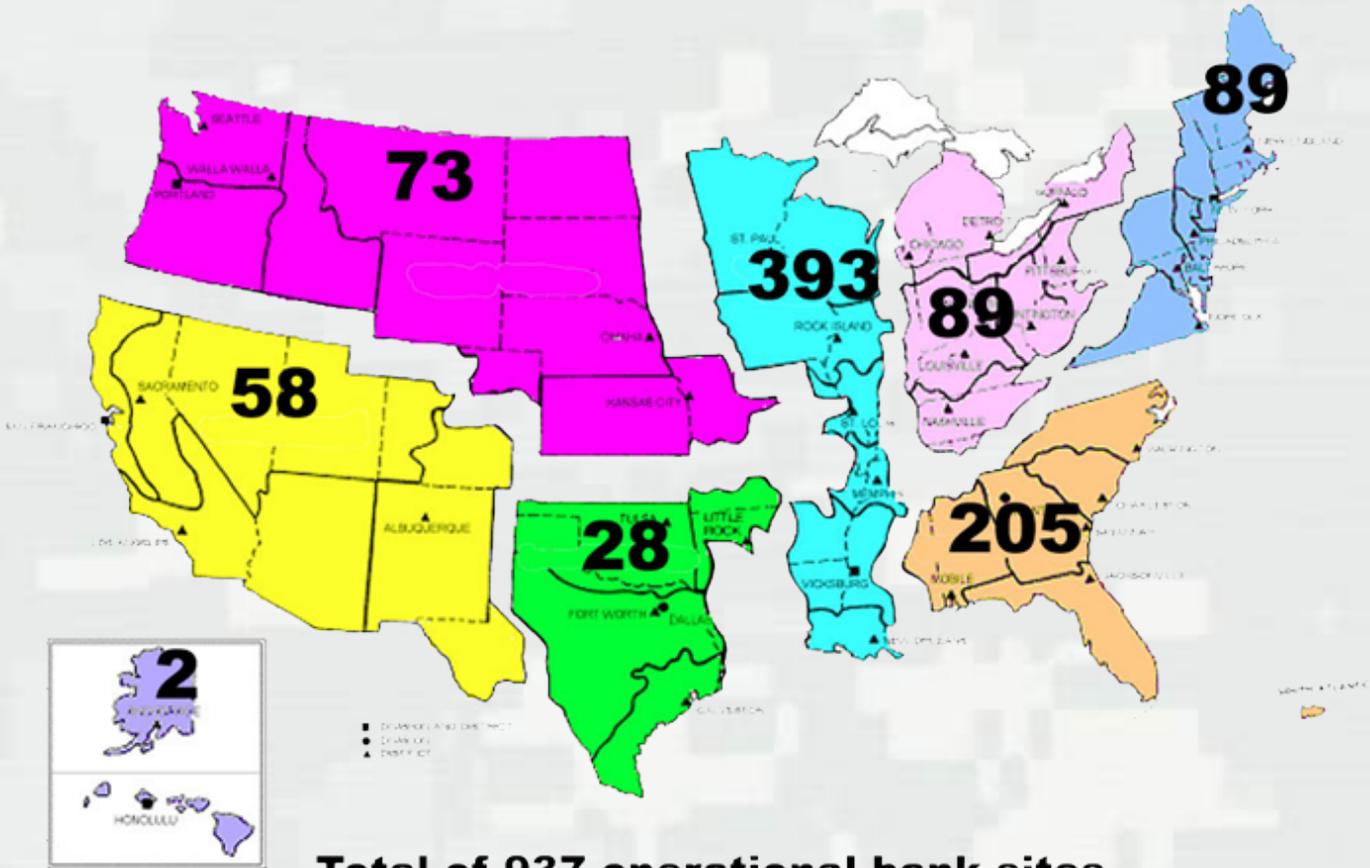
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Approved Bank Sites



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Operational Bank Sites



Total of 937 operational bank sites



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Operational Bank Sites in RIBITS

| | % of bank numbers | % of total acreage | Avg. Size (ac) |
|----------------|-------------------|--------------------|----------------|
| Lakes & Rivers | 9% | 3% | 166 |
| Mississippi | 42 | 15 | 195 |
| North Atlantic | 9 | 4 | 231 |
| South Atlantic | 22 | 58 | 1,117 |
| Northwest | 8 | 2 | 103 |
| Southwest | 3 | 11 | 1,519 |
| Pacific Ocean | 0.02 | 0.02 | 457 |
| South Pacific | 6 | 7 | 539 |



Conserved Lands in RIBITS

| | Operational | Sold-Out | Total |
|--------------------|-------------|----------|---------|
| Lakes & Rivers | 12,982 | 2,649 | 15,631 |
| Mississippi Valley | 59,986 | 30,616 | 90,682 |
| North Atlantic | 17,111 | 1,014 | 18,125 |
| Northwest | 6,524 | 124 | 6,648 |
| Pacific Ocean | 915 | 0 | 915 |
| South Atlantic | 229,988 | 3,470 | 233,458 |
| South Pacific | 26,004 | 5,520 | 31,524 |
| Southwest | 45,737 | 724 | 46,461 |
| | 399,247 | 44,117 | 408,627 |



RIBITS Demo



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St. Paul District

Legacy Data Collection:

- 452 banks entered
- 4920 ledger transactions entered
- 1898 documents collected and uploaded
- 432 Service area shapefiles uploaded
- 370 Bank footprint shapefiles uploaded



St. Paul District

Bank Status in RIBITS:

| Status | Minnesota | Wisconsin | Total |
|------------|-----------|-----------|-------|
| Approved | 239 | 55 | 294 |
| Pending | 33 | 43 | 76 |
| Sold-out | 62 | 5 | 67 |
| Suspended | 10 | 2 | 12 |
| Terminated | 4 | 0 | 4 |
| Total | 348 | 105 | 453 |



St. Paul District

Ledger Transactions in RIBITS:

| Type | Minnesota | Wisconsin | Total |
|------------|-----------|-----------|-------|
| Initiation | 678 | 109 | 787 |
| Release | 768 | 76 | 844 |
| Withdrawal | 2648 | 641 | 3289 |
| Total | 4094 | 826 | 4920 |



St. Paul District

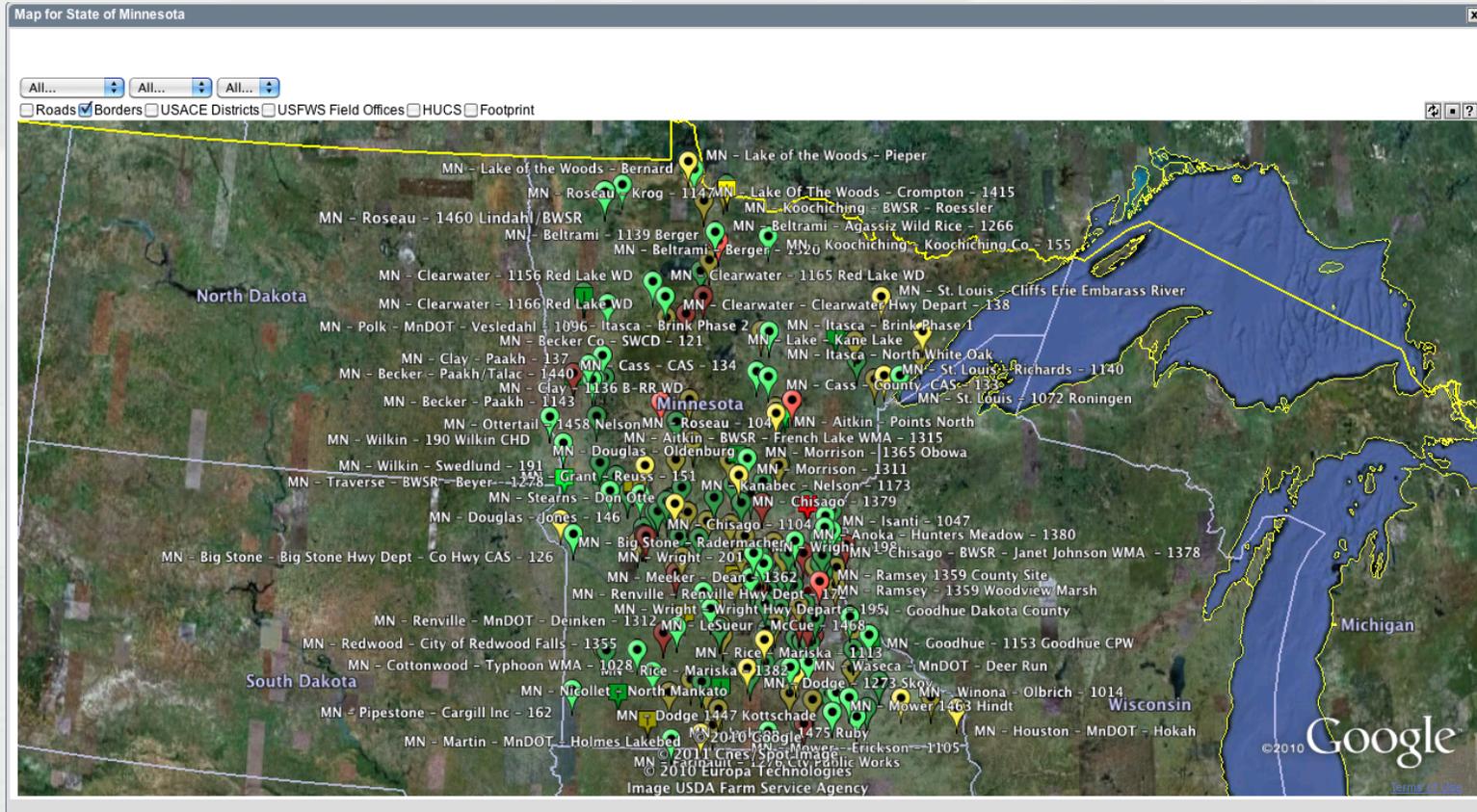
Available Credits:

Based on current data, not complete or validated

| | Potential | | Released | | Withdrawn | | Available | |
|------------|-----------|-------|----------|-------|-----------|-------|-----------|-------|
| | Credits | Acres | Credits | Acres | Credits | Acres | Credits | Acres |
| Lacustrine | 91 | 108 | 87 | 99 | 37 | 36 | 50 | 63 |
| Palustrine | 6,614 | 7,373 | 6,424 | 6,468 | 3,372 | 4,117 | 3,051 | 2,351 |
| Upland | 1,620 | 2,096 | 2,049 | 2,080 | 1,028 | 1,397 | 1,021 | 683 |
| Total | 8,325 | 9,564 | 8,560 | 8,647 | 4,437 | 5,550 | 4,122 | 3,097 |



Minnesota Bank Locations



Green – Approved
Yellow – Pending
Red – Sold-out, Suspended, or Terminated



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Credit Classifications

- St. Paul District and BWSR use Wetland Plant Community Types (Eggers & Reed)
- St. Paul District RIBITS' credit classifications are Wetland Plant Community Types
 - Each is associated with a Cowardin Classification for use in national rollup reporting
 - Each identifies the equivalent USFWS Circular 39 Wetland Type(s)
 - Each also references the equivalent WisDOT credit classification
- Legacy BWSR BSuite data frequently references Circular 39 Wetland Types
- Translation rules have been established for legacy data entry



Credit Classifications Example

Fresh (Wet) Meadow - Fresh (wet) meadows are dominated by grasses, such as reedtop grass and reed canary grass, and by forbs such as giant goldenrod, growing on saturated soils. The grass family (Gramineae) and aster family (Compositae) are well represented in fresh (wet) meadows. The forbs and grasses of these meadows tend to be less competitive, more nutrient demanding, and often shorter-lived species than the sedges of the sedge meadow community. Therefore, fresh (wet) meadows may represent younger communities that indicate recent disturbances of other inland fresh meadows by drainage, siltation, cultivation, pasturing, peat fires and/or temporary flooding. Once established, the forbs and grasses of the fresh (wet) meadow community may persist for extended periods of time.

Vegetation: is described at: [Wetland Plants and Plant Communities of Minnesota and Wisconsin - Fresh \(Wet\) Meadow](#)

Soils: Faxon silty clay loam (Typic Haplaquolls), a poorly-drained to very poorly- drained soil on terraces of floodplains. These soils are formed in silty to clayey alluvium underlain by dolomite bedrock. Landscape position of this example is a terrace within the broad valley of the Minnesota River.

Hydrology: Faxon soils have a seasonal high water table at the surface to 12 inches below the surface during November through May of most years.

Fish and Wildlife Service Circular 39 (Shaw and Fredine 1971) : Type 2: Inland fresh meadow.

Wisconsin Department of Transportation Classification: Riparian wetland wooded (RPF), Riparian wetland emergent (RPE)

- HGM Classification - Depressional
- Cowardin System - Palustrine
- Cowardin Sub-system - N/A
- Cowardin Class - Emergent
- Cowardin Subclass - Persistent



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RIBITS Email Notifications

| Event | Admin | Bank Manager | IRT Chair | Bank POC | IRT Member | Regulator | Message or Header |
|--|-------|--------------|-----------|----------|------------|-----------|--|
| File Uploaded to Cyber Repository | | ✓ | | | | | New File Uploaded to <i>bank name</i> Cyber Repository: <i>filename</i> |
| File Delete from Cyber Repository | | ✓ | | | | | File deleted from <i>banks name</i> Cyber Repository: <i>filename</i> |
| Withdrawal entered in Credit Ledger (CL) | | ✓ | | ✓ | | | Credit Withdrawal posted to <i>bank name</i> credit ledger |
| Withdrawal in CL causing overrun | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | Credit Withdrawal causing negative balance for credit type in <i>bank name</i> |
| Initiation entered in CL | | ✓ | | | | | Potential credits entered for <i>bank name</i> |
| Release entered in CL | ✓ | ✓ | ✓ | ✓ | ✓ | | Credit Release posted to <i>bank name</i> credit ledger |
| Transaction edited in CL | | ✓ | | ✓ | | | Transaction edited in <i>bank name</i> |
| 60-day reminder for Annual Inspection | | | ✓ | | | | Reminder: Annual Inspection for <i>bank name</i> due by <i>date</i> . |
| 30-day reminder for Annual Inspection | | ✓ | ✓ | ✓ | ✓ | | Reminder: Annual Inspection for <i>bank name</i> due by <i>date</i> . |
| 1-week reminder for Annual Inspection | | ✓ | ✓ | ✓ | ✓ | | Reminder: Annual Inspection for <i>bank name</i> due by <i>date</i> . |

Cyber Repository: Content

- ▶ Prospectus (Application: Part A)
- ▶ Public Notice
- ▶ Mitigation Banking Instruments (MBIs)
 - Bank Plan (Parts A and B)
 - Easements
 - Financial Assurances (as needed)
- ▶ Monitoring Reports
- ▶ Legacy ledger data
- ▶ Pictures



MN RIBITS Administration

- File set-up – currently BWSR-St. Paul
- Additional detail – currently COE-St. Paul
- Cyber repository uploads – TEP, IRT
- Ledgers- BWSR-St. Paul
- Compliance inspection upload-BWSR, COE

