Presentation to the

2005 TRI SERVICES INFRASTRUCTURE CONFERENCE

by

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Mississippi Valley Division

Monitoring The Mississippi River using GPS Coordinated Video
The Corps’ mission:

- Water Resources Development
- Environment
- Infrastructure
- Disasters
- Warfighting

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One Team: Relevant, Ready, Responsive and Reliable
Mississippi River Commission

- Established June 1879
- Authority to operate on entire Mississippi River
- Seven Presidentially appointed members
- Advisors to:
  Secretary of the Army and
  Chief of Engineers

One Team: Relevant, Ready, Responsive and Reliable
Six districts
5,000+ employees
370,000 square mile boundary, encompassing all or parts of 12 states
4,267 miles of commercial waterways
44 flood control lakes/reservoirs
Why is the Mississippi River Important to the National Infrastructure

15 BARGE TOW

225 RAILCARS

870 TRUCKS

One Team: Relevant, Ready, Responsive, and Reliable
Flight Area

- Memphis & Vicksburg Districts
- Flew Along Both Banks
- Included Major Side Channels
- Connecting Streams To Over Bank Lakes

One Team: Relevant, Ready, Responsive and Reliable
Three Track Digital Tape

- Visual Data
- Audio Data
- Positional Data (GPS Referenced)
Purposes of Video

- Document Existing River Training Structures
- Record River Bank Conditions
- Assess Existing Environmental Habitat For Corps And Our Environmental Partners
- Build Database For Later Comparisons
- Prepare For Field Trips
- View Areas Of Customer Problems While In The Office
Bell Long Ranger
Bell Long Ranger
Demo
Lessons Learned

- Large File Sizes
- DVD Compatibility
- Sun Angles
- Intense Interest
Web Based Access

- Phase One - Internal Corps Use
- Phase Two - External Use By Password For Corps Partners (F&WS, LMRCC, State Agencies)
- Phase Three – Full Public Access
Problems For Web Access

- Expense
- Data Transfer Speeds
- Security Problems
- Homeland Security
QUESTIONS