

Collaboration Portal and Knowledge Database

PLATTE RIVER RECOVERY IMPLEMENTATION PROGRAM

PROJECT SUMMARY

The Platte River Recovery Implementation Program (Program) required a modern state-of-the-art solution to fulfill requirements for an easily accessible and usable information management system. A centralized knowledge database was envisioned to collect, manage, and disseminate a wide variety of data collected from numerous contractors, cooperators, agencies and Program staff. Riverside proposed a multi-phased, web-based portal solution allowing for real-time updates and ensuring all Program participants access to the system. The solution encourages continuous collaboration among the stakeholders which is a vital component to developing and promoting the use of the system.

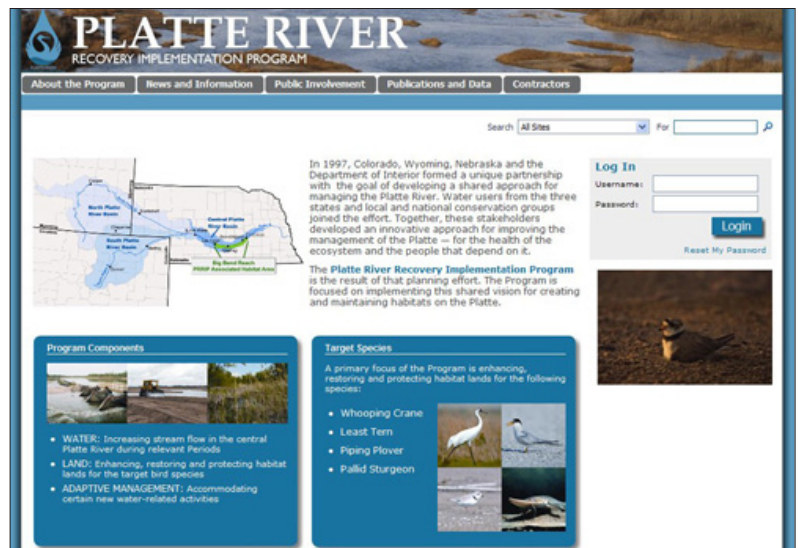
LOCATION
Nebraska, U.S.A.

PERIOD
2009 – Present

PROJECT DETAILS

The Platte River Recovery Implementation Program (Program) was initiated in 2007 among Nebraska, Wyoming, Colorado, and the Department of the Interior. The Program was established to recover endangered species in the central and lower Platte River basin. Endangered species for this Program include the whooping crane, piping plover, interior least tern, and pallid sturgeon.

A significant part of the Program involves land and water management using an adaptive management approach. The Program requires numerous diverse application research projects, monitoring programs and assessments, and land and other asset acquisitions. Collectively, these activities are generating large volumes of information including reports, documents, images, and geospatial data.



Platte River Recovery Implementation Program Website

Riverside Technology, inc. (Riverside) developed a web-based collaboration portal using Microsoft® SharePoint® 2007 and linked it to an underlying knowledge database built with Microsoft® SQL Server® 2008. This comprehensive system provides both centralized data management and shared access. Geospatially relevant information is presented in interactive map applications built using Google Maps with data layers populated using SQL Server's spatial functions and other 3rd party applications. The system collects, analyzes, manages and distributes information all from a single easy-to-use internet portal. The portal tools allow for dissemination, visualization, analysis, and cross-referencing from various data formats in multiple locations. The system provides:

- Standardizes spatial and related environmental data.
- Provides centralized, security-controlled shared data to its users at various levels.
- Provides web-based data extension and access options.

The new website and database were completed and launched in May 2010. Riverside continues to develop additional features and functionality and will provide on-going support and maintenance of the operational system for the next decade.

RELATED PROJECTS

Development of Surface Water Availability Website for Georgia

Colorado's Decision Support System

Development of Identified Projects and Processes Database for Colorado

RIVERSIDE

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