

## LITERATURE REVIEW DATA SOURCES

As described previously, a literature review was performed as part of Task 1 of this study. Based on the scope of work documents from 1985 through present were collected from multiple sources. Additional documents were included prior to 1985 if they were deemed relevant. Sources utilized in this literature review included but were not limited to the following:

1. Texas State Agencies:
  - Texas Water Development Board (TWDB);
  - Texas Commission on Environmental Quality (TCEQ);
  - Texas Parks and Wildlife Department (TPWD);
  - Texas Department of Agriculture (TDA);
  - Texas Soil and Water Board (TSWB);
  - Texas Utilities (TXU);
  - Texas Clean Rivers Program;
  - Texas Historical Commission (THC); and
  - General Land Office (GLO);
2. Oklahoma State Agencies:
  - Oklahoma Water Resources Board (OWRB);
  - Oklahoma Department of Environmental Quality (ODEQ);
  - Oklahoma Department of Wildlife Conservation (ODWC) ); and
  - Oklahoma Water Resources Research Institute (OWRRI).
3. Federal Agencies:
  - Red River Compact Commission.
  - U.S. Geological Survey (USGS);
  - U.S. Fish and Wildlife;
  - U.S. Bureau of Reclamation;
  - Federal Energy Regulatory Commission (FERC)
  - U.S. Army Corp of Engineers (USACE); and
  - U.S. Department of the Interior.
4. Select River Authorities:
  - Red River Authority of Texas (RRAT);
  - Sabine River Authority of Texas (SRA);
  - Sabine River Authority of Louisiana (SRA-LA);
  - Sulphur River Basin Authority; and
  - Trinity River Authority (TRA).
5. Select Water Districts:
  - Tarrant Regional Water District (TRWD);
  - North Texas Municipal Water District (NTMWD);
  - North East Texas Municipal Water District (NETMWD);
  - Upper Trinity River Authority (UTRA);

- Franklin County Water District;
  - Titus County Fresh Water Supply District No. 1;
  - Upper Trinity Regional Water District (UTRWD);
  - Toledo Bend Interbasin Transfer Project (TBIBT).
  - Greater Texoma Utility Authority (GTUA); and
  - Winkler Water Supply Corporation.
6. Select Major Cities:
- City of Dallas (Dallas);
  - City of Texarkana (Texarkana);
  - Dallas Water Utilities (DWU)
  - City of Fort Worth (Fort Worth); and
  - City of Irving (Irving).
7. Select Universities:
- North Texas;
  - Texas A&M Institute of Renewable Natural Resources;
  - Texas A&M Water Resources Institute; and,
  - Texas A&M Center for Sustainable Water Systems.
8. Journal Articles Referenced in the following databases:
- Applied Science and Technology; and,
  - Water Resource Abstracts
9. Interest Groups.
- National Wildlife Federation;
  - Sierra Club;
  - Environmental Defense Fund;
  - White Oak Wildlife Management Area (WOCWMA);
  - Tarrant Coalition for Environmental Awareness; and,
  - Northeast Texas Water Coalition.
10. Miscellaneous
- Acre-feet per year (afpy)

## **1.1 DATA COLLECTION AND STORAGE**

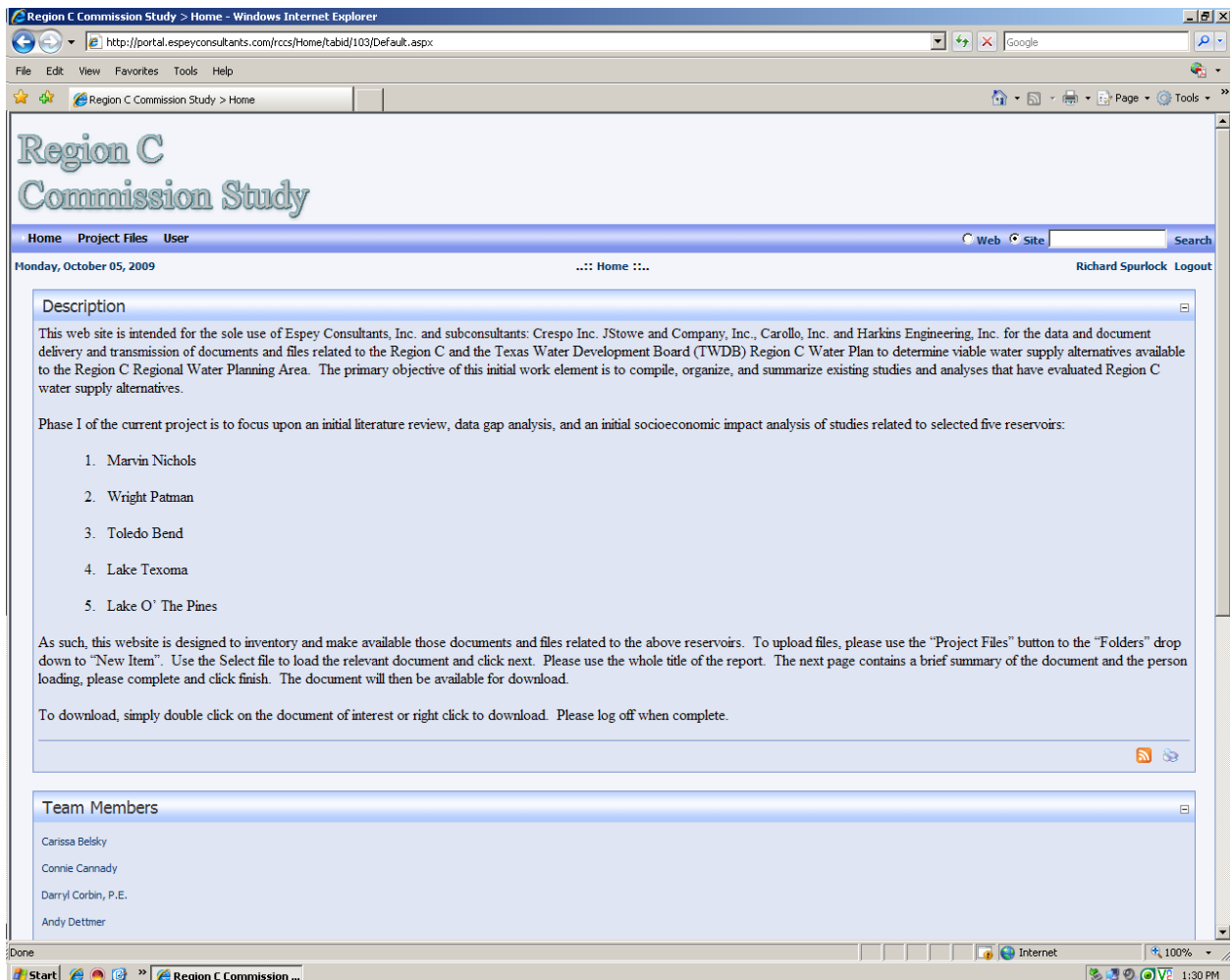
For ease of use and organizing the collected reports and information, the Project Team divided the collected documents into multiple categories. The categories included:

- Marvin Nichols Reservoir;
- Wright Patman Lake;
- Toledo Bend Reservoir;
- Lake Texoma;
- Lake O' the Pines (LOP);
- Region wide Studies;
- Statewide Studies;

- Conservation;
- Northeast Texas Municipal Water District (NETMWD);
- North Texas Municipal Water District (NTMWD);
- Trinity River Basin; and
- Economic Studies.

A database was created to store documents and information collected by the Project Team. An internet web portal was created to allow the Project Team to add documents as they were obtained during the literature review. The database is accessible via a web portal to allow all team members access to all reports collected for Task 1. The web portal is also available for Study Commission and stakeholder use. All digital copies of the documents obtained as part of the literature collection were input into the database. Each document added to the database included metadata to allow the documents to be researched via the internet web site. The web portal is accessible via:

<http://portal.espeyconsultants.com/rccs/Home/tabid/103/Default.aspx>



**Figure Error! No text of specified style in document..1 Web Portal for Collected Documents and Information.**

Each document collected was reviewed as part of Task 1. A comprehensive list was created detailing each study, including a synopsis of each study, title, date of study, sponsor, author, type

(technical vs. planning), subject (specific facility vs. water user water plan), and relevant information to the focus of this project. The comprehensive list was created in the form of a standard matrix in Microsoft Excel. The matrix was divided into 27 columns for information on each of the five reservoirs that are the focus of Phase I. A digital summary was created in the form of a Microsoft Excel spreadsheet matrix (Appendix A) and a literature review summary page was established (Appendix B) for each reference. The list of documents in Appendix A are inclusive of all the documents collected as part of the literature review. The list is presented in alphabetical order for further use. As part of the literature review, only those documents reviewed as relevant are used for the creation of this report. As such the references used in the report are not numerically in order but rather presented by number used in Appendix A. Finally, contacts the Project Team had with any of the agencies or individuals are provided in Appendix C.

The following sections of this report give a brief summary of the literature review performed for each of the five reservoirs identified by the Study Commission in Phase I of the scope of work.