

## **APPENDIX M**

### **PRIOR STUDIES**

## APPENDIX M

### PRIOR STUDIES AND REPORTS

Numerous technical reports previously have been published that document prior investigations made concerning the Cypress Bayou Watershed. In many cases, the studies have resulted in implementation and/or construction of projects by the Corps of Engineers, other Federal agencies, and local interests. Several of these previous studies addressed either the environmental restoration opportunities or flooding problems within the Cypress Bayou watershed study area. The following paragraphs briefly describe, in chronological order, prior studies and reports which have been prepared by the Corps of Engineers or other agencies= studies regarding water resources within the Cypress Bayou watershed.

#### PRIOR CORPS OF ENGINEERS REPORTS

Discussed below are reports concerned with flood control and other water resources in the Cypress Bayou watershed and reviewed prior to preparation of this report. The Corps reports have been divided into four general categories: (1) General Investigations, (2) Continuing Authorities Projects, (3) Planning Assistance to States (Section 22), and (4) Other Reports. The majority of these reports pertain to Federal projects some of which have been constructed and are currently operational. Others did not result in implementation of any solutions, but offer valuable background information for use and reference in this study.

##### General Investigations

Most studies performed by the Corps have historically been managed under the General Investigations program which requires specific authorization and funding by Congress.

- a. **Comprehensive Basin Study, Red River Below Denison Dam, Louisiana, Arkansas, Oklahoma, Texas, Interim Report on Navigation and Bank Stabilization, U.S. Army Corps of Engineers, New Orleans District, Volumes 1-8, March 1966.** This study investigated the physical and economic potentialities and problems of the basin having a nexus with water and related land resources, discussed the short and long term resource development needs, developed a report and recommended a response to the needs of the study area.
- b. **House Document No. 304. Red River below Denison Dam, Louisiana, Arkansas, Oklahoma, and Texas. Department of the Army, May 1968.** This document contains a conglomeration of reports from involved states, U.S. Departments, and other involved organizations for the Navigation and Bank Stabilization.
- c. **Red River Below Denison Dam, Arkansas, Louisiana, Oklahoma, Texas, Lake O' the Pines. Cypress Creek, Texas. Appendix IV Master Reservoir Regulation Manual. Red River Basin. U.S. Army Corps of Engineers, New Orleans District, June 1974.** The purpose of this manual was to present detailed information for the operation of Lake O' the Pines.
- d. **Arkansas-Red River Basin Chloride Control- Texas, Oklahoma, and Kansas. Red River Basin. Design Memorandum No 25 General Design Phase I- Plan Formulation, U.S. Army Corps of Engineers, Tulsa District, Volumes 1-2, July 1976.** This report presented the findings of the Red River portion of a study of the natural chloride pollution which degrades the Arkansas

- and Red Rivers and their tributaries. This study determined the extent of the pollution and proposed control methods
- e. **Chloride Control, Arkansas-Red River Basin. Texas, Oklahoma, and Kansas. Arkansas River Basin. Design Memorandum No 33, Area IV. General Design Phase I- Plan Formulation, U.S. Army Corps of Engineers, Tulsa District, December 1977.** This design memorandum presented the results of studies to evaluate the basic planning decisions made in the general investigation stage. This report also presented a reformulation of the project to correspond to changes since authorization.
  - f. **Lake O' the Pines, Texas Lakeshore Management Plan, The Mater Plan for Recreational Development and Management, U.S. Army Corps of Engineers, New Orleans District, October 1978.** This plan established policies and provide guidelines for managing the shoreline and open water areas of Lake O' the Pines for the protection of desirable environmental characteristics and for the restoration of shorelines where degradation has occurred.
  - g. **Record of Public Hearings. U.S. Army Corps of Engineers, New Orleans District, November 1978.** This hearing was conducted in reference to an application filed by the City of Shreveport to maintain a water intake structure in Caddo Lake near Mooringsport, Louisiana, in Caddo Parish after-the-fact.
  - h. **Red River Below Denison Dam, Comprehensive Basin Study, Louisiana, Arkansas, Oklahoma, and Texas, Transportation Economic Reanalysis. Red River Waterway Shreveport, La to Daingerfield, Tx., U.S. Army Corps of Engineers, New Orleans District, February 1980.** This study concentrated on the reanalyzing and updating of the transportation savings to determine if the bulk traffic would develop in the Daingerfield area.
  - i. **Supplemental Data to Arkansas-Red River Basin Chloride Control Red River Basin Design Memorandum No. 25. General Design. Phase I-Plan Formulation, Volumes 1-2, November 1980.** This report presented the extent, type and location of chloride emission areas and identified methods which could be constructed to control the emissions.
  - j. **Red River Valley Status of Corps of Engineers Projects. U.S. Army Corps of Engineers, January 1981.** This report contained a presentation of studies active during the period of January 1980 to January 1981.
  - k. **Cypress Bayou Basin Study Reconnaissance Report, U.S. Army Corps of Engineers, Fort Worth District, July 1981.** This report was provided in response to the Resolution adopted by the Committee on Public Works and Transportation of the House of Representatives, United States, Red River and Tributaries, May 9, 1979. The purpose of this report was to investigate the feasibility of providing flood control, ground and surface water supply and conservation, drainage, and other water resources purposes.
  - l. **Chloride Control, Arkansas River Basin, Phase I, General Design Memorandum No. 32. U.S. Army Corps of Engineers, Tulsa District, September 1981.** The results of numerous past studies conducted between 1974 and 1980 on the Arkansas River Basin part of the Arkansas-Red River Basin Chloride Control project.
  - m. **Final Report of Arkansas-Red River Basins Chloride Control Solar Pond Power Plant Assessment, Red River Basin Part 2/ Task 3. U.S. Army Corps of Engineers, Tulsa District, September 1981.** This report documented the

development of a conceptual design and preliminary cost estimate for a Solar Pond Power Plant which would provide electrical power required by a portion of the project located in the Wichita River Basin.

- n. **Gross Appraisal Report of Proposed Marshall Lake and Black Cypress Lake Project. Daniels, Highfield, and Associates, April 1982.** By request of the U.S. Army Corps of Engineers, Fort Worth District, this report appraised two dam site locations and two separate guide take line elevation for each lake.
- o. **The Technical and Economic Feasibility of Salt-Gradient Solar Ponds at the Truscott Brine Lake of the Red River Chloride Control Project. U.S. Army Corps of Engineers, Tulsa District and Pacific Northwest Laboratory, September 1982.** This report was a direction from the Conference Committee on the Energy and Water Development Appropriation Act, 1982 (Public Law 97-88) for the construction of power generation facilities using salt-gradient solar ponds.
- p. **Chloride Control, Red River Basin, Texas Areas IX, XIII, XIV, Design Memorandum No. 27, General Design-Phase II, U.S. Army Corps of Engineers, Tulsa District, September 1982.** Drawings.
- q. **Red River Chloride Control Project. Project Overview and Economic Reanalysis. U.S. Army Corps of Engineers, Tulsa District, April 1983.**
- r. **Red River Basin, Red River Below Denison Dam, Comprehensive Basin Study, Louisiana, Arkansas, Oklahoma, Texas. Initial Evaluation Report. Texas and Louisiana Caddo Lake Enlargement Study. U.S. Army Corps of Engineers, Vicksburg District, December 1983.** This study was to identify the need for and to investigate the feasibility of modifying Caddo Lake to provide additional municipal and industrial water supply and the possibility of using other potential sources.
- s. **Wright Patman Lake Final Environmental Impact Statement for Operation and Maintenance. U.S. Army Corps of Engineers, Fort Worth District, April 1984.** This document purpose was to provide assurance that the goals and policies of the National Environmental Policy Act of 1969 (NEPA) to be maintained along with public interest.
- t. **Reconnaissance Report on the Red River Basin Arkansas, Texas, Louisiana, and Oklahoma. Comprehensive Study and Arkansas River Tributaries South-Central and Southeast Comprehensive Study. U.S. Army Corps of Engineers, Tulsa District, March 1985.** This report presented findings of a preliminary study of water resource development and identified and listed potential projects that warrant study and Federal participation.
- u. **Cypress Bayou Basin Feasibility Study Formulation. U.S. Army Corps of Engineers, Fort Worth District, April 1985.** An investigation into the feasibility of providing flood control, ground and surface water supply and conservation, drainage, and other water resource purposes. Results of the formulation efforts were presented in this report.
- v. **Red River Below Denison Dam, Comprehensive Basin Study, Arkansas, Louisiana Oklahoma, and Texas, Summary of Results, Texas and Louisiana, Caddo Lake Enlargement Study, U.S. Army Corps of Engineers, Vicksburg District, November 1985.** This report presented the findings of a study concerning the engineering, economic, environmental, and social

feasibility of enlarging Caddo Lake to provide additional storage for municipal and industrial water supply. Authorized per the Resolution adopted by the Committee on Public Works and Transportation of the House of Representatives, United States, Red River and Tributaries, May 9, 1979.

- w. **Cypress Bayou Basin, Texas Feasibility Report, U.S. Army Corps of Engineers, Fort Worth District, February 1987.** This report presented the results of a study concerning the water resources plan of improvement for the Cypress Bayou Basin, Texas. A full range of nonstructural and structural alternatives were investigated in an effort to determine the feasible alternative for the area. This study was authorized by the Resolution adopted by the Committee on Public Works and Transportation of the House of Representatives, United States, Red River and Tributaries, May 9, 1979.
- x. **Application of the Habitat Evaluation Procedures in the Cypress Bayou Basin, Texas. K. Jack Kilgore, Waterways Experiment Station, U.S. Army Corps of Engineers, Vicksburg District and Paul M. Hathorn, U.S. Army Corps of Engineers, Fort Worth District, April 1987.** This report describes an aquatic resource evaluation of a proposed water resource project in the Cypress Bayou Basin, Texas.
- y. **Wright Patman Lake, Sulphur River, Texas. master Plan Design Memorandum No. 2. U.S. Army Corps of Engineers, Fort Worth District, January 1988.** This plan evaluated project resources which would develop policies to allow use, development, and management for their best use.
- z. **Environmental Assessment. Proposed Cypress Reservoir, Harrison County, Texas, Volumes 1-2. May 1988.** This document is an environmental examination which justifies the need for the Cypress reservoir.
- aa. **Master Plan for Resource Use. Lake O' the Pines, Cypress Creek, Texas. Design Memorandum No. 13. U.S. Army Corps of Engineers, Fort Worth District, May 1988, May 1989.** Replace the Master plan of 1985, evaluated project resources to develop policies which would allow development and management for their best use.
- ab. **Report on the Evaluation of the Effectiveness of Operation of Area VIII, Red River Chloride Control Project. Executive Summary, Red River Chloride Control Project Evaluation Panel, August 1988.** This report detailed the evaluation of the operational effectiveness of the project. The project's objective was to improve the water quality of the river by removing the salt pollutants.

- ac. **STATUS- Tulsa District Projects and Studies in the Red River Valley (Oklahoma and Texas). U.S. Army Corps of Engineers, Southwestern Division Tulsa District, February 1992.** This document discussed operational and authorized projects in the Red River Waterway and the Red River Chloride Control in Texas and Oklahoma.
- ad. **Red River Waterway Project, Shreveport, La to Daingerfield, Tx Reach. Reevaluation Study. In-Progress Review Documentation, U.S. Army Corps of Engineers, Vicksburg District, December 1992.** This document supported an in-progress review of the studies to date with a view to determine the feasibility of a navigation project for the Shreveport to Daingerfield reach and if reevaluation studies should continue.
- ae. **Red River Chloride Control Project for the U.S. Army Corps of Engineers Tulsa District. Willbros, November 1993.** This report was a project description provided by the engineering firm of Willbros contracted to do the work under the U.S. Army Corps of Engineers, Tulsa District.
- af. **Red River Waterway Project, Shreveport, LA to Daingerfield, TX Reach Reevaluation Study-- In progress review documentation: Reports on Geomorphic Investigations, Geotechnical Investigations, Environmental Summary, Mussel Survey, Historic Watercraft Survey, Recreation, Public Involvement, and Regional Economic Development, May 1994.** At the direction of the Congress, reevaluation studies of the authorized plan for extending navigation to the vicinity of Daingerfield, Texas, were initiated in FY 89. An extensive public involvement program was implemented to ensure that the concerns, questions, and opinions of the public are addressed. Based on Corps policy and procedures, extension of navigation on the Shreveport, Louisiana, to Daingerfield, Texas, reach was not economically feasible at an interest rate of 8-1/2 percent, nor was it feasible at an interest rate of 3-1/4 percent. Therefore, it was recommended that the reevaluation studies be brought to an orderly conclusion.

### **Continuing Authorities Projects**

There have been few studies performed in the Cypress Bayou Watershed under the various legislative authorities under which the Secretary of the Army, acting through the Chief of Engineers, is authorized to plan, design, and construct certain types of water resources improvements without specific Congressional Authorization. These authorities as a group are referred to as the Continuing Authorities Program. The following describes the authorities available under this program.

### **Section 107 Studies**

These studies are performed under the authority of Section 107 of the River and Harbor Act of 1960, as amended. This authority authorizes the Corps of Engineers to develop and construct small navigation projects that have not already been specifically authorized by Congress. The Federal expenditure limit is \$4 million per project and the total program funds allotted per fiscal year are limited to \$35 million as set forth by the latest amendment in Section 915(d) of Public Law 99-662 (Water Resources Development Act of 1986).

Listed below are the Section 107 studies which have been performed in the study area. This list does not include any initial appraisal studies which are generally only used to screen potential study areas.

### **Section 205 Studies**

These studies document flood protection investigations performed under the authority of Section 205 of the Flood Control Act of 1948. This authority authorizes the Corps of Engineers to perform studies and to construct small flood control projects which are not specifically authorized by Congress. The Federal expenditure limit is \$5 million per project and the total program funds allotted per fiscal year is limited to \$40 million, as set forth by the latest amendment in Section 915(a) of Public Law 99-662 (Water Resources Development Act of 1986).

### **Section 14 Studies**

These studies document emergency streambank protection investigations performed under the authority of Section 14 of the Flood Control Act of 1946. This authority authorizes the Corps of Engineers to perform studies and to prevent flood or erosion damages to highways, highway bridge approaches, public works, churches, public and private nonprofit hospitals, schools, and other facilities. The Federal expenditure limit is \$500,000 per project and the total program funds allotted per fiscal year are limited to \$12.5 million, as set forth by the latest amendment in Section 915(c) of Public Law 99-662 (Water Resources Development Act of 1986).

### **Section 208 Studies**

These studies are performed under the authority of Section 208 of the Flood Control Act of 1954. This authority authorizes the Corps of Engineers to perform studies and work limited to clearing and grubbing or channel excavation and improvement with limited embankment construction by use of materials from the channel excavation. The Federal expenditure limit is \$500,000 per project and the total program funds allotted per fiscal year are limited to \$7.5 million, as set forth by the latest amendment in Section 915(b) of Public Law 99-662 (Water Resources Development Act of 1986).

### **Section 1135 Studies**

These studies are performed under the authority of Section 1135 of the Water Resources Development Act of 1986. This authority authorizes the Secretary of the Army to review the operation of Civil Works projects constructed by the Corps of Engineers to determine the need for modifications in the structures and operations of such projects for the purpose of improving the quality of the environment in the public interest. The non-Federal share of the cost of any modifications carried out under this section shall be 25 percent. However, no modification shall be carried out under this section without specific authorization by Congress if the estimated cost exceeds \$5,000,000. The total program funds allotted per fiscal year are limited to \$25 million, as set forth by the latest amendment in Section 203 of Public Law 102-580 (Water Resources Development Act of 1992).

**Section 1135 Project Modification Report for Lake O' the Pines Waterfowl Habitat Restoration, Texas. U.S. Army Corps of Engineers, Vicksburg District, July 1992.** The purpose of this study was to identify possible ways to restore waterfowl and wildlife habitat areas at Lake O' the Pines to historic characteristics.

### **Planning Assistance To States (Section 22) Studies**

The Texas Statewide Inventory of Flood Protection Needs, dated May 1990, study was developed to provide an up-to-date, community-specific inventory of flooding problems and solutions for 756 cities and towns in Texas that could be incorporated into the revised state water plan. This inventory contains data from Corps of Engineers planning studies and National Flood Insurance Program (NFIP).

## Other Reports

Five reports have been recently published which do not fit into any of the above categories.

- a. **Water Resources Development.** This report, dated January 1971, was prepared by the Corps of Engineers to provide current information about water resources activities performed in Texas by the U.S. Army Corps of Engineers under the direction of the Secretary of the Army and the United States Congress. It illustrates the role of the Corps in navigation, planning, constructing, and operating projects for flood control, hurricane flood protection, municipal and industrial waster supply, recreation, and other beneficial uses. It describes projects that are completed, under construction, or in the planning stage, each of which has been initiated under specific authorization of Congress.
- b. **Water Resources Development in Texas 1981.** This report, dated January 1981, was prepared by the Corps of Engineers to provide current information about water resources activities performed in Texas by the U.S. Army Corps of Engineers under the direction of the Secretary of the Army and the United States Congress. It illustrates the role of the Corps in navigation, planning, constructing, and operating projects for flood control, hurricane flood protection, municipal and industrial waster supply, recreation, and other beneficial uses. It describes projects that are completed, under construction, or in the planning stage, each of which has been initiated under specific authorization of Congress.
- c. **Water Resources Development in Texas 1988.** This report was prepared by the Corps of Engineers to provide current information about water resources activities performed in Texas by the U.S. Army Corps of Engineers under the direction of the Secretary of the Army and the United States Congress. Although the activities of the Corps of Engineers change constantly, an attempt has been made in this booklet to present information in a consolidated manner. It illustrates the role of the Corps in navigation, planning, constructing, and operating projects for flood control, hurricane flood protection, municipal and industrial waster supply, recreation, and other beneficial uses. It describes projects that are completed, under construction, or in the planning stage, each of which has been initiated under specific authorization of Congress.
- d. **Water Resources Development in Texas 1989.** This report was prepared by the Corps of Engineers to provide current information about water resources activities performed in Texas by the U.S. Army Corps of Engineers under the direction of the Secretary of the Army and the United States Congress. Although the activities of the Corps of Engineers change constantly, an attempt has been made in this booklet to present information in a consolidated manner. It illustrates the role of the Corps in navigation, planning, constructing, and operating projects for flood control, hurricane flood protection, municipal and industrial waster supply, recreation, and other beneficial uses. It describes projects that are completed, under construction, or in the planning stage, each of which has been initiated under specific authorization of Congress.
- e. **Water Resources Development in Texas 1991.** This report was prepared by the Corps of Engineers to provide current information about water resources

activities performed in Texas by the U.S. Army Corps of Engineers under the direction of the secretary of the Army and the United States Congress. Although the activities of the Corps of Engineers change constantly, an attempt has been made in this booklet to present information in a consolidated manner. It illustrates the role of the Corps in navigation, planning, constructing, and operating projects for flood control, hurricane flood protection, municipal and industrial water supply, recreation, and other beneficial uses. It describes projects that are completed, under construction, or in the planning stage, each of which has been initiated under specific authorization of Congress.

- f. **National Wetland Mitigation Banking Study. Wetland Mitigation Banking: Resource Document. U.S. Army Corps of Engineers, Water Resource Support Center, Institute for Water Resources, January 1994.** Detailed information on various types of banks and similar compensatory mitigation mechanisms, statistical and institutional information on all existing banks.
- g. **National Wetland Mitigation Banking Study. Expanding Opportunities for Successful Wetland Mitigation: The Private Credit Market Alternative. U.S. Army Corps of Engineers, Water Resource Support Center, Institute for Water Resources, January 1994.** Explains the concept and functions of private markets and their potential in wetland mitigation and the regulatory conditions required for this mitigation alternative.
- h. **National Wetland Mitigation Banking Study. Wetland Mitigation Banking and First Phase Report. U.S. Army Corps of Engineers, Water Resource Support Center, Institute for Water Resources, February 1994.** Report of wetland mitigation banking experience to date. Second document distinguishes between the two phases of research encountered for this subject.
- i. **National Wetland Mitigation Banking Study. An Examination of Wetlands Programs: Opportunities for Compensation Mitigation. U.S. Army Corps of Engineers, Water Resource Support Center, Institute for Water Resources, March 1994.** Discussion of the various approaches taken in an attempt to satisfy compensatory mitigation requirements.

## PRIOR FEDERAL (NON-CORPS) STUDIES AND REPORTS

This section lists and describes Federal agency (non-Corps of Engineers) studies and reports which investigated water related problems within the Pecan Bayou watershed.

### a. Flood Insurance Studies (FIS)

The Federal Emergency Management Agency (FEMA) is responsible for administration of the National Flood Insurance Program. If a city or county is a participant in the program, FEMA provides the availability of flood insurance to residents living within the city or county. The cities and counties within the Cypress Bayou watershed are participants in the program. Hydrologic and hydraulic studies have been performed which define the 100-year flood plains within these cities and counties. The results of the studies are shown primarily in the form of flood plain delineation maps. Table 1-1 provides a list of the known Flood Insurance Studies conducted with the Cypress Bayou watershed study area.

**TABLE 1-1**  
**Flood Insurance Studies**  
**Performed within the Cypress Bayou Watershed**

<u>City or County</u>	<u>Effective Date</u>
City of Atlanta	May 19, 1981
City of Daingerfield	Dec 7, 1982
City of Gilmer	Nov 19, 1985
City of Hughes Springs	Jan 1, 1992
City of Jefferson	Nov 26, 1982
City of Linden	Jun 19, 1985
City of Marshall	Sep 16, 1981
City of Longview	Dec 15, 1977
City of Mt Pleasant	Dec 16, 1980
City of Pittsburg	Jun 19, 1985
City of Shreveport	Apr 17, 1995
Caddo Parish	Mar 1, 1978
Camp County	N/A
Cass County	Jul 5, 1978*
Franklin County	N/A
Gregg County	Jan 3, 1990
Harrison County	Nov 1, 1989
Hopkins County	Dec 27, 1978*
Marion County	May 25, 1989
Morris County	Aug 9, 1978*
Titus County	Jun 3, 1978*
Upshur County	May 1, 1987
Wood County	May 31, 1978*

\* Date sanctioned by FEMA

- b. **Reservoir Operation in Texas - June 1985.** This report, funded by the Department of the Interior as authorized by the Water Research Development Act of 1978 (PL 95-467), compiled a comprehensive listing of the water resources and their uses within the various river basins in the state of Texas. This report summarizes the reservoirs, their storages, and operating plans.

#### PRIOR STUDIES AND REPORTS BY STATE AGENCIES AND OTHERS

- a. **Chloride Control Arkansas and Red River Basins. American Society of Civil Engineers, Myron W. DeGeer and John C. Ball, February 1967.** This report presented engineering feasible solutions to control the natural brine emissions founded to be a principal cause of the degradation of water quality in the Arkansas and Red River Basins. This report also discussed considerable alternatives.
- b. **The Texas Water Plan.** This report, dated November 1968, prepared by the Texas Water Development Board outlines a flexible guide for the orderly development, conservation, and wise management of the State's water resources to meet the needs of the state to the year 2020. The plan includes the possibility of the importation of large quantities of surplus water from the lower reaches of the Mississippi River to areas of greatest need in Texas.

- c. **Water For Texas.** Water For Texas, dated November 1984, a two volume report was prepared by the Department of Water Resources, Austin, Texas. Volume 1, A Comprehensive Plan for the Future, of the amended 1969 Texas Water Plan is an executive summary which sets forth planned actions and policy recommendations. Volume 2, Technical Appendix, is a technical document which provides details of current water development and use, projected future water supply and treatment needs, and potentially developable water supplies to meet future water needs in each river and coastal basin of the state.
- d. **Water For Texas, Today and Tomorrow.** This report, dated December 1990, was prepared by the Texas Water Development Board, Austin, Texas. This report updates and presents the 50-year plan for the state of Texas. This summary document presents the current and prospective water uses, identifies water supplies, and estimates facility needs and costs. The plan also describes water problems and opportunities, outlines significant environmental concerns and water issues, and offers program and policy recommendations.
- e. **The State of Texas Water Quality Inventory, 11th Edition, August 1992.** This report, prepared by the Texas Water Commission, is accordance with Section 305(b) of the Clean Water Act. This report describes the status of the states waters based on the most recent four years of monitored surface and ground water quality data. An overview is provided of water quality trends, attainment of surface water quality standards, relative impacts of pollutants from various sources, and waterbodies where additional actions are needed. Surface water quality data are summarized for individual stream, river, reservoir, bay, estuary, and Gulf of Mexico segment. Groundwater quality within each major river basin is described.
- f. **Water For Texas, Today and Tomorrow.** This report, dated November 19, 1992, was prepared by the Texas Water Development Board, Austin, Texas. This report updates the 50-year plan for the state of Texas. This summary document provides details on the current and prospective water uses, identifies water supplies, and estimates facility needs and costs. The plan also describes water problems and opportunities, outlines significant environmental concerns and water issues, and offers program and policy recommendations. Additionally, the document outlines proposed future Texas Water Development Board actions and key policy recommendations to local, State, and Federal entities in the area of water management.
- g. **Statewide Wetlands Strategies. A Guide to Protecting and Managing the Resource. World Wildlife Fund, 1992.** This guidebook offers comprehensive statewide wetlands strategy to wetlands conservation that has been developed using the practical solutions to address the problem of wetlands loss by the World Wildlife Fund.
- h. **Proceedings Watershed '93. A National Conference on Watershed Management. March 1993.** A conglomeration of presentations and discussions that took place at the plenary sessions.
- i. **Caddo Lake and Associated Watershed, Proposal for Environmental Initiatives and Sustainable Development. U.S Congressman Jim Chapman and Texas Parks and Wildlife Department, October 1993.** This proposal was presented to promote economic development that will encourage the creation of new jobs for residents of the area and also protect the Caddo Lake ecosystem. This proposal has not been developed without public input and understanding of community interest and is intended to initiate a community-wide planning effort to discuss the ideas presented in this plan.

- j. **Caddo Lake Initiative 1993-1994 Accomplishments and 1995 Activities, U.S Congressman Jim Chapman and Texas Parks and Wildlife Department, 1995.** This proposal was presented by U.S. Congressman Jim Chapman and the Executive Director for Texas Parks and Wildlife Department, Andrew Sansom, it discusses environmental initiatives and sustainable development for Caddo Lake and the Cypress Valley Watershed. The overall goal is to protect and promote the natural and cultural attributes of Caddo Lake and the Cypress Valley Watershed. Five categories discussed are Research Initiatives, Protection Activities, Sustainable Development, Infrastructure Improvements and Other Community Initiatives.
- k. **A Characterization of Habitats and Fish and Wildlife Management Opportunities at Cypress Bayou Basin, Texas and Louisiana. Thomas J. Cloud, Jr., U.S. Fish and Wildlife Service, Ecological Services, Arlington, TX. 1995.** This documents emphasis was the evaluation of bottomland hardwood forests and wetlands and gives some preliminary recommendations on fish and wildlife management measures in reference to future detailed planning within the basin.
- l. **Draft Report. Cypress Bayou Watershed Economic Development Study. Jacquie Huff of Technology and Economic Development Division. Texas Engineering Extension Service, July 1995.** This report examines in detail all of the specific target areas which have been identified and recommendations for implementation.



# **APPENDIX N**

# **NEWSPAPER ARTICLES**

# Corps official works to allay Caddo concern

GAIL K. BEIL  
*News Messenger*

KARNACK — Among the experts who came to Caddo Lake State Park to talk about U.S. Rep. Jim Chapman's proposals for the lake and the Big Cypress watershed was Marty Hathorn.

Hathorn, chief of environmental resources for the Fort Worth Division of the U.S. Corps of Engineers, is also expected to attend a third meeting today on Chapman's Caddo Lake proposals. It will be held 3-8 p.m. at Starr Family Home Historical Park.

The Corps will play a major role in the future of Caddo Lake. Hathorn's group will do the research in the Big Cypress Bayou and Caddo Lake when Chapman's proposal becomes a plan of action.

"People who don't know anything else about the Corps know we dredged rivers, put up dams and drained wetlands," Hathorn said. "Well, we've changed our mission. I'm on the inside and I can see the evolution."

So can Caddo Lake resident Ruth Culver. As a resident of Caddo Lake, she has long had an active role protecting it from encroachment. She held offices with the Greater Caddo Lake Association, and is currently

conservation chairman for the Uncertain Audubon Society.

"Fort Worth is a different Corps," Culver said. But she said the Corps of Engineers had a bad rap with the "keep Caddo natural" forces.

"First, they removed the Red River log jam which dried up the lake, then they put in the dam, which killed the fresh-water pearl industry. And they were responsible for the Daingerfield Reach study," Culver said.

The Corps also gets credit for the unpopular Little Cypress Utility District project, even though in the 1970's Hathorn's group found what was then called "Lake Marshall" was not a good idea. "When we made our study, we found that in terms of flood control or water supply, there were no feasible benefits for a reservoir on the Little Cypress Bayou," Hathorn said.

"A year later, here comes the LCUD wanting a permit, and the we (the Fort Worth Division of the Corps of Engineers) had to hold the public hearings," Hathorn said. "The feeling was, 'We whipped them once, here they are back.'"

The Fort Worth Corps staff tried to mediate between the Vicksburg division of the Corps and Caddo Lake residents over

See CADDY/3A

the Daingerfield Reach, but to no avail, Culver said. "The trouble was, Vicksburg didn't consider Caddo Lake unique. There was no respect for it. Fort Worth tried to help, but it didn't work."

With Caddo Lake and the watershed the Fort Worth Corps will work in partnership with Texas Parks and Wildlife, and others, such as Tom Cloud, senior biologist with U.S. Fish and Wildlife, long associated with supporting the environmental quality of Caddo Lake.

"As a matter of fact, we are all going out together Wednesday morning to look at the Big Cypress River," Hathorn said. "We," Hathorn indicated, included TPW special assistant Jim Neal, TPW wildlife specialist Carl Fentress and resource protection specialist Dr. Ray Telfair.

Col. **WEDNESDAY** November 10, 1993

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Vol 1117 No. 292

MARSHALL, TEXAS

## Water pumping's effects on Caddo to be part of study

GAIL K. BEIL  
*News Messenger*

KARNACK — The possible harmful effect of Shreveport's pumping of water from Caddo Lake was not on the list of items to be examined by the Fort Worth Division of the U.S. Corps of Engineers in its comprehensive study of the Cypress Valley watershed.

It is now, after the issue was raised during a meeting of the Environmental and Recreational Assistance Committee (ENRA), the public policy committee for the Fort Worth Corps.

"We can identify the problem," said Marty Hathorn, chief of the division's environmental resources branch. "We previously didn't have that in our outline, but we do now."

"The amount of water Shreveport diverts is established in the Red River Compact," said Chief of Planning Bill Fickle. "Louisiana has certain rights to the water, whether Texas likes it or not. Whether we can have any impact or make any change, I can't say."

Caddo Lake project study manager Ron Ramirez said Shreveport **See Caddo/2A**



FIRST LOOK AT CADDO LAKE — Jim Neal, left, of the Texas Parks and Wildlife Department, and Caddo Lake tour boat operator David Lomax, right, show a tour route to members of the League of Women Voters and the Fort Worth District of the U.S. Corps of Engineers and their families. Looking on is Eric Neilson of Austin, State LWV members, Corps of Engineers staff and members of the Environmental Recreational Assistance Committee (ENRAC) were on Caddo Lake Friday to receive input to Chapman Initiative Study and to add it. (Photo/Beil)

MONDAY  
May 16, 1994

MARSHALL RELAY TEAM COLLECTS MEDAL AT STATE TRACK MEET

# NEWS MESSENVILLE

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MARSHALL, TEXAS

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1 Section

## Caddo

### Continued from 1A

port's pumping will be only part of the information on the lake and the Cypress Valley watershed which becomes part of what Ramirez called the GIS — Geographical Information Study. The GIS, a multi-layered computer analysis, will include information of fish and wildlife resources, habitat restoration and preservation and water quality.

"Once we get a data base, it will enable us to play a lot of 'What if's,'" Ramirez said. He promised the GIS would be ready for the final report which is due in May, 1995.

A great deal of new ground is being plowed with this study, Hathorn said. For one thing, it is being done in cooperation with

Texas Parks and Wildlife, U.S. Fish and Wildlife, National Biological Survey, and the Cypress Valley Navigation District. It is all part of the plan put forth by U.S. Rep. Jim Chapman, following the demise of the Red River to Dangerfield Barge Canal. One factor to be studied in detail is the historic Port of Jefferson. Rosanna Brown, a landscape architect with the Corps, is in charge of the project and also made a preliminary report Saturday. "At this point we don't have a preconceived notion of what will be done," she said.

"We will be looking at environmental, historical, archeological and marketing concerns."

Once the first phase of the pro-

ject, the "reconnaissance study," is complete, the Corps will be looking for financial help from the three sponsoring entities, the Cypress Valley Navigation District, the city of Jefferson and Marion County. Just how much is a matter still in question, Brown said.

"We will know what will come out, but we know we are breaking new ground. There are no rules

at all," Mary Flores, who is in charge of habitat restoration downstream of Lake O'the Pines, said that restoration of sloughs, oxbows, bottomland hardwoods and spawning areas for paddle fish is the goal of her office. "The breeding grounds of the paddle fish was destroyed with the construction of the dam that created Lake O'the Pines," Flores said.

"We will also be looking at the clear-cutting of timber down to the Cypress River," Flores said.

"We will be looking at ways to stop the clear-cutting through easements and incentives."

# Marketing nature



A study is under way to develop ideas for the development of Caddo Lake and the Cypress Valley watershed for ecotourism.

## Study to look at developing watershed for ecotourism

By ALISON WATSON  
The Times

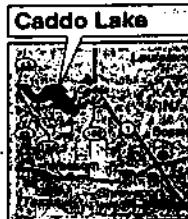
CENTENARY College geology professor Mary Barrett is glad to see the U.S. Army Corps of Engineers' latest proposal.

"There's never been a comprehensive study of the watershed or of how one aspect affects another. It's time to look at the problems and solutions," Kim said.

She was one of 15 people attending a public workshop Wednesday to voice their ideas on the development of Caddo Lake and the Cypress Valley watershed for ecotourism.

The study is just getting under way and will take about a year to complete, said Ron Ramirez, project manager for the Cypress Valley watershed study. Other public workshops will be held as the study progresses, he said.

Included in the study area are 6,000 square miles in



Caddo Parish and 11 counties in East Texas that surround Cypress Bayou watershed from Lake O' the Pines to Caddo Lake.

The area is considered a wetland of major international importance, and the proposal to promote it for ecotourism was introduced last fall by U.S. Rep. Jim Chapman, D-Texas, and the Texas Parks and Wildlife Department.

"We're looking at water resources and problems and at



Judy Sneed (left), Mary Flores (center) and Leslie Johnson meet to discuss the Cypress Valley ecotourism study.

water quality," Ramirez said. "But we're also looking at recreational opportunities and ecotourism to boost the economy a little and promote the natural beauty of the area."

Among suggestions from meetings in Shreveport and in Marshall and Jefferson, Texas: Restore the historic Port of Jefferson - not for commercial navigation, but for tours of Caddo Lake; recreational areas; restoration of fish and wildlife habitat areas.

■ See CITIZENS, Page 3B

Several people at Wednesday's workshop at LSU in Shreveport said they will oppose the study if it is being undertaken to revive the controversial Daingerfield Reach plan that would have extended Red River navigation through the watershed to Daingerfield, Texas.

"The Daingerfield Reach will not happen. It's gone," said Kyle Garrison, an aide

## Citizens offer suggestions for watershed evaluation

■ Continued from Page 1B

to Chapman. An earlier corps study said the extension is economically unfeasible and environmentally unsound.

Shreveport attorney and environmentalist Murray Lloyd suggested that the corps use portions of the Daingerfield environmental study to avoid duplication.

He also suggested the corps work not only with the Texas Department of Parks and Wildlife, but also with the Louisiana Department of Wildlife and Fisheries, the city of Shreveport and others doing environmental studies of the Caddo Lake watershed in Louisiana.

"It's a great opportunity to get everyone together using the same criteria, the same parameters," Lloyd said. "If we can get everyone together

### WORKSHOP SUGGESTIONS

Among items people attending Wednesday's workshop said they'd like to see addressed:

- Protection of wildlife habitat areas.
- Improvement of water quality and supply.
- Restriction of types of boats to those that are compatible with ecotourism.
- Coordination with the Louisiana Department of Wildlife and Fisheries and city of Shreveport's Cross Lake Watershed study.

early, we'll all be singing off the same sheet."

# LOCAL/STATE

The Times

THURSDAY, JUNE 23, 1994

# Chamber to become involved in Chapman's Caddo Initiative

GAIL K. BELL  
News Messenger

The Greater Marshall Chamber of Commerce will become involved in the long-range planning for the Cypress-Basin and Caddo Lake, planning often called "The Chapman Initiative," named for U.S. Rep. Jim Chapman.

The chamber made the commitment Friday, on a request from the recently-organized Caddo Lake Task Force. Marshall City Manager Tony Williams, the committee's co-chairman, requested the formal action from the chamber board. He also requested that the chamber become a repository for information on Caddo Lake plans.

Friday morning, the board of directors accepted the suggestion and agreed to take a role in the economic planning of the Cypress Bayou-Caddo Lake watershed. At the Thursday task force meeting, Williams said he was uncomfortable with parts of the Chapman Initiative. "In reading the plan, it looks as though it is calling for cottage industry. I think a lot of industries could be recruited which would not be ecologically threatening."

Kyle Garrison, Chapman's Marshall-based aide agreed. But

## Corps holds formal hearing Tuesday

Marshall City Manager Tony Williams will make the formal presentation of the Greater Marshall Chamber of Commerce when the Fort Worth Division of the U.S. Army Corps of Engineers holds its formal hearing in Marshall on Tuesday. The hearing is one of three being held.

The first meeting is at 2 p.m. Tuesday, in the commons area of Jefferson High School. The second is the same day at 7 p.m. in the commons area of Marshall High School and the third is in Shreveport at 2 p.m. Wednesday in the Louisiana State University—Shreveport University Center Ballroom. LSU-Shreveport is located on Youree Drive, Louisiana Highway 1, South.

The Cypress Valley Watershed Study will address water and related land resource environmental problems and opportunities, according to Ron Ramirez, who is the Corps project director. More information about the agenda is available from Ramirez at 817-334-3876.

"The hearings are intended to lay the groundwork for follow-on studies and initiatives," Ramirez said. Residents of the area will have the opportunity to offer comments and express concerns at all three meetings.

All the grant-funded activities will be done under the direction of resident forester Paul Haggerty.

"This funding is totally separate from the U.S. Army Corps of Engineers money which Chapman is trying to secure through the Congress," Huffman said. Both men are involved with

"The city has applied for economic development funds for industry outside the Longhorn fence," Williams said. "What we are asking for is what will turn this economy around from dependency on defense-related jobs."

George Huffman, who represents Thiokol on the task force, said that notification has just arrived of the awarding of \$63,000 in "Legacy Funds" from the Department of Defense to Longhorn. The money had been applied for by Thiokol, Huffman said, and will be spent on surveys of endangered species and breeding birds on the Longhorn land. It will also be used to establish wildlife trails and to establish wood duck and warbler nest boxes. Longhorn property includes shoreline on the lake, and the Caddo Lake watershed is considered one of the South's leading wood duck breeding areas.

All the grant-funded activities will be done under the direction of resident forester Paul Haggerty.

"This funding is totally separate from the U.S. Army Corps of Engineers money which Chapman is trying to secure through the Congress," Huffman said.

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Thursday, June 23, 1994

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Department of Health,  
n will the Marion  
er of Commerce, is  
ces in the food and  
East. The meeting will be focused on  
western riding, racing and western  
pleasure with some good events (Der-  
rike poles) included.

The workshop is provided to ac-  
tive 4-H members through funds  
provided at the no fee Cohen who was  
to participate will be charged \$10.  
The fees call the Extension Office in  
903/665-2421 to sign up or get  
more information.

Educational programs and events  
organized by the Texas Agricultural  
Extension Service are available to  
people of all ages, regardless of socio-  
economic level, race, color, sex, reli-  
gion, disability, or national origin.

## Chapman announces funding for Caddo Lake initiatives

and practices of the Franklin Parish  
Community Board of Winsboro.  
Under the direction of Dr. Phillip  
Lowe, Hood's Texas Brigade Brass  
Band returns to Marion County after  
having performed there for the Pilgrim  
Reunion at Christ Episcopal  
Church.

Others are invited to participate in the  
action-packed two-day clinic. Train-  
ing for home and rider will be from 8  
a.m. to 3 p.m. each day at the Liver-  
pool Association arena on Hwy. 49

"We were so impressed by the  
great acrobatics at Omani Park's re-  
quest that we wanted to put back into  
action as possible," said Lowe, who  
organized the group 18 years ago.

"We were ready to set up a train-  
ing session on the spot,"

Ken Astor, director of the Jefferson Brass, said the people of  
Jefferson are anxious to continue their  
efforts. The band plays Civil War-can-  
vas, the band plays Civil War-can-  
vas with Judge Bill Connies, and  
later songs on instruments that  
are reproductions of those played  
more than 130 years ago. The most  
dramatic feature of the horns is that  
they lack bellied the power to project  
as much as some particular

song of George M. Cohen.  
Many people who attended the  
1993 Foundation Day concert said the  
members "had All America" and  
the Pine Grove Baptist Church Choir.  
Both performances should be a hit!

miss!

## Lake O' the Pines funding supported by House

U.S. Rep. Jim Chapman (D-Sul-  
phur Springs) has announced that the  
House of Representatives recently  
approved \$1.56 million for Fiscal  
Year 1995 to the operation and main-  
tenance of Lake O' the Pines.

"I am pleased that the House of  
Representatives has suspended my  
Subcommittee's recommendation for  
funds for Lake O' the Pines. The  
subcommittee had a \$250,000 cut  
requested to improve and repair  
surface roads providing access to the  
lake," Chapman said.

"The people near Lake O' the  
Pines and surrounding counties have  
a tremendous resource - for water  
flood control and recreation. These  
funds will ensure that Lake O' the  
Pines is well maintained for the up-  
coming year and make improvements  
in roads surrounding the lake,"

Chapman said.

Last month, Congressman  
Chapman announced that the Army  
Corps of Engineers awarded a con-  
tract worth \$1.5 million to the state  
of Texas to build a dam on the Neches  
River between Jefferson and Orange.

4

study will also work to determine if  
Jefferson and other East Texans  
are receptive to this proposal,"  
Cappon said.

U.S. Rep. Jim Chapman (D-Sul-  
phur Springs) announced that the  
House of Representatives approved  
\$1,077,000 to continue the U.S. Army  
Corps of Engineers' Cypress Valley  
Watershed Environmental and eco-  
nomic restoration studies relat-  
ing to the Chapman-Texas Parks and  
Wildlife Caddo Lake Initiative.

"I am pleased to report that the  
House of Representatives has ap-  
proved over one million dollars for  
the Cypress Valley Watershed Initiative  
in Fiscal Year 1995. These  
projects will need to be approved at a  
conference committee with the Sen-  
ate and signed by the President. I will  
continue to work with my colleagues

in the House, the Corps of Engineers  
and state legislators to help us  
complete our progress on the Caddo  
Lake Initiative," Chapman concluded.

## Local women honored by Shreveport DAR

The Shreveport Chapter, National  
Society Daughters of the American  
Revolution, honored women who  
served in World War II with a com-  
memorative reception on June 14.

Activities were held at the Randall  
T. Moore Senior Citizens Center  
Fairfield Avenue in Shreveport.  
The primary purpose of the War  
Daughters is to address the veter-  
an and related issues, services, ser-  
vices and opportunities for women  
and their families.

Studies associated with presenta-  
tion of the watershed study will focus  
on several areas, including the develop-  
ment of a functional Geographic  
Information System and identifica-  
tion of the identified problems and take  
advantage of the basin resources.

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tion of the watershed study will focus  
on several areas, including the develop-  
ment of a functional Geographic  
Information System and identifica-  
tion of the identified problems and take  
advantage of the basin resources.

"This funding will also permit the  
Corps to evaluate their studies on the  
restoration of the historic park area in  
Jefferson, along the Cypress Bayou.  
They have been examining this  
project to determine if the potenti-  
al can be passed within Atlantic

Appropriately 65 women from  
as far away as New Orleans were  
present to witness the presentation  
of both Maytag resolutions  
and an American flag.

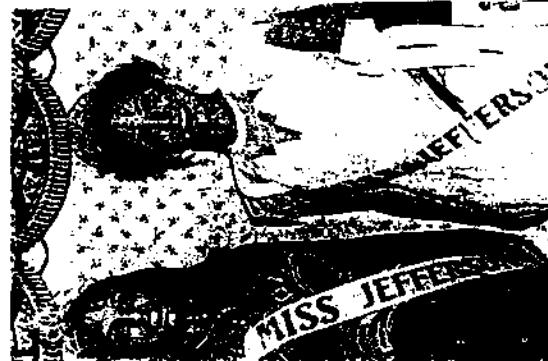
Abounding from Jefferson were

former military women, H.R.

Brailey and Gladys E. McKissack,

who were research dental

WWII.



Miss Jefferson during Saturday morning's program.  
(Photo by Joe Wayne Denial)  
(See other winners inside Jefferson)

5

2 - Thursday, June 23, 1994

Jefferson Jimplecute

## Chapman announces House approval of funding for Caddo Lake activities

U.S. Rep. Jim Chapman (D-Sulphur Springs) has announced that the House of Representatives has approved \$2.5 million for the Bureau of Reclamation to begin cooperative activities on the Chapman - Texas Parks and Wildlife Caddo Lake Initiative. The funding was contained in the Energy and Water Development Appropriations bill.

"Earlier this year, Bureau of Reclamation Commissioner Daniel Beard visited Caddo Lake for the first time. He was clearly interested in the Federal, State and local activities that are proceeding around Caddo. He announced his intention to become involved in the Caddo Initiative and this funding represents the Bureau of Reclamation's involvement for FY 1995," Chapman said.

"I am pleased that my Energy and Water Appropriations Subcommittee and the full House of Representatives have agreed with the Bureau's decision to become involved in Caddo Lake," Chapman said.

"The Bureau of Reclamation is finalizing the cooperative agreement with the Texas Parks and Wildlife on Caddo Lake - this \$2.5 million will ensure that federal dollars are there for the Bureau to pursue and accomplish Caddo Lake Initiative objectives," Chapman said.

The Bureau of Reclamation will be involved in research activities, environmental education, tourism, economic and recreational opportunities for the Cypress basin. "They will also encourage and participate in community activities that enhance understanding about ecotourism and sustainable development to diversify the economic base of the community," Chapman added. The Bureau of Reclamation will also do an assessment of the wastewater facilities needed around the lake.

"The Caddo Lake initiative is on a roll - more and more local groups are becoming involved; state and federal agencies are cooperating and the resource is benefiting from research activities that are underway. These funds for the Bureau of Reclamation will be another source of support for East Texans to use on their activities for Caddo Lake," Chapman said.

"The Bureau of Reclamation funding will need to be approved in a House-Senate Conference Committee and signed by the President. I will continue to work with my colleagues in the House and everyone involved in the Caddo Lake initiative to secure this funding and continue our progress on the Caddo Lake," Chapman concluded.

Jefferson Jimpiecut

## Chapman announces DOD programs for Longhorn Army Ammunition Plant

U.S. Rep. Jim Chapman (D-Sulphur Springs) announced that the Department of Defense has approved \$63,000 for four Legacy Projects for environmental activities on the property of Longhorn Army Ammunition Plant. Thiokol Corporation, the government contractor at LAAP, applied for the Legacy Projects.

Utilizing the DOD Legacy Program was one of the recommendations in the Chapman Caddo Lake Initiative announced by the Congressman and the Texas Parks and Wildlife Department.

"Longhorn Army Ammunition Plant abuts Caddo Lake, one of our nation's real natural treasures. Through the Caddo Lake Initiative, we have many ongoing environmental projects to evaluate the Lake. The DOD Legacy projects will provide four environmental and wildlife studies on the vast lands of Longhorn. I am pleased that the DOD has agreed to approve these projects," Chapman said.

The Legacy Resource Management Program was created to provide management, conservation, research and restoration of biological, geo-physical, and historical resources which exist on DOD held public lands and facilities. Longhorn Army Ammunition Plant has a number of significant environmental areas on their property and implementing the Legacy Program will contribute to conserving those resources.

The Legacy Projects include:

1. Endangered Species Survey: The Texas Nature Conservancy has been awarded a contract to conduct a flora and fauna survey of the Longhorn property. \$40,000

2. Breeding Bird Survey: Louisiana State University - Shreveport will conduct a survey of breeding birds on Longhorn. The U.S. Fish & Wildlife Service will coordinate the survey

with LSU-S. \$11,394

3. Watchable Wildlife Site Establishment: Trails and access points on Longhorn will be identified and established for visitors observing the wildlife on the property. \$7,000

4. Wood Duck and Warbler Nest Box Project: Longhorn personnel will build Wood Duck and Warbler nesting places and evaluate their effectiveness. \$5,000

"Thiokol will employ a full time forester with a background in wildlife biology to manage these projects," Chapman added.

"For the first time at Caddo Lake, we are conducting comprehensive environmental studies of the resource; it will generate critical information for the future of Caddo Lake. These DOD Legacy Projects will complement the research efforts adjoining the State and private lands around Caddo Lake and contribute to an ecosystem approach to managing the watershed," Chapman concluded.

2 - Thursday, June 23, 1994

Jefferson Jimplecute

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# Lake development in jeopardy

## Perry: State wants EPA designation for Caddo Lake

By Jerry Graham  
San Antonio

Future development on Caddo Lake and 30 miles along its tributaries would be halted if state officials succeed in an attempt to get a federal designation for the lake, Texas Agriculture Commissioner Rick Perry said Tuesday.

Even cutting a tree on private property would require prior approval from the Environmental Protection Agency if the proposal is adopted, Perry told the Longview Rotary Club.

EPA permits would also be needed to build homes or driveways, build or expand

highways, increase the number of cattle grazing in a pasture, timber harvesting, agricultural operations and installation of rural septic tanks, he said.

All of Marion County and substantial parts of Harrison and Cass counties would be affected, Perry said.

"If," he said, "the Texas Natural Resource Conservation Commission, the successor agency to the Texas Water Commission, is considering a proposal to ask EPA to designate Caddo Lake as an Outstanding Natural Resource Water (ONRW) under the Clean Water Act.

He said the commission is reviewing

bodies as ONRWs, and Caddo is the only one in East Texas.

The commission is currently receiving written comments on the matter, and in August is supposed to hold a public hearing in the area, Perry said.

He said people can write to Chairman John Hall, Texas Natural Resource Conservation Commission, Stephen F. Austin Building, Austin, Texas, 78711. "And I think more important than that is Ann Richards," he said.

See Perry, 7A



By Alan Neuharth/Pittsburgh Press  
State Agriculture Commissioner  
Rick Perry addresses the Longview Rotary Club at Pinecrest Country Club Tuesday.

## Perry: EPA designation could cost area jobs

From 1A

would reduce values of properties within the area, and that in turn would drive up the local tax burden on properties outside the designation, he said.

He said if a property owner decided to cut down two trees outside the designation, he would encounter EPA's approach toward the matter.

"That is degrading the environment. That will allow more runoff. More runoff means more silt will show up in a tributary and would end up in Caddo Lake," he said of EPA's

outlook. "This is a designation that we as a state are asking for. And that is what has really raised a great deal of ire in the citizenry of Caddo Lake.

Perry said once the designation is granted, it is almost impossible to get it rescinded. When Michael Dukakis was governor of Massachusetts, the state requested and obtained the designation. That state has been fighting for four years trying to get the designation lifted, Perry said.

He said ONRW waters are regulated by EPA's highest level of protection, a "no degradation policy" which would eliminate permits for new or

Wednesday, July 20, 1994  
Hot, humid, highs in the middle 90s. Fall tonight, lows, lower 70s.  
Weather, 8A

W-7-7-7  
W-7-7-7  
SJD:jd

## ■ East Texas

Thursday, July 14, 1994, Longview News-Journal

3A

### Boat lane clearing at Lake O' Pines begins

By Mike Elswick

East Texas Editor

#### LAKE O' THE PINES —

Clearing of a major boat lane begins this week on a portion of this popular East Texas recreational waterway that has been the scene of numerous boating accidents, according to Jack Hudson.

Hudson, owner of Willow Point Marina and member of the Lake O' the Pines Civic Association's safety committee, said the association has been pushing for the improvements for nearly eight years.

"There's been a lot of damage to boats," Hudson said. "You've just had to close your eyes and grit your teeth and hope you didn't hit anything."

The work, beginning this week, will run from near the

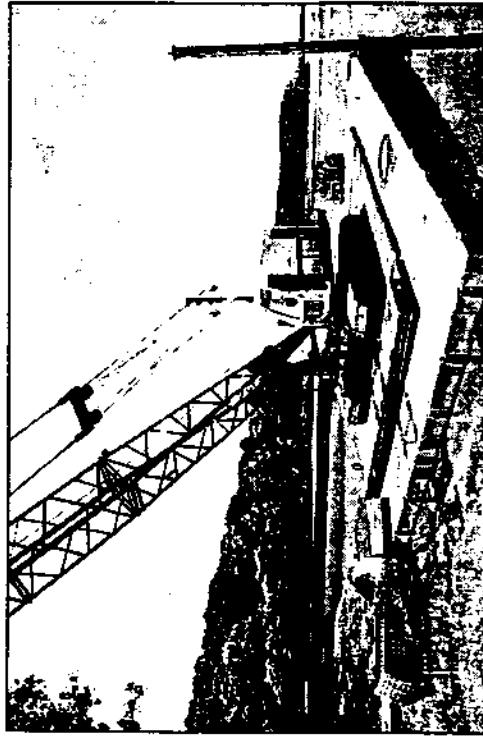
Texas 155 bridge back toward the open water of the lake, Hudson said.

The association would like the boat lane clearing to extend to U.S. 259, and eventually from the dam all the way to U.S. 259 in mind, Hudson said. "There has been a real safety hazard. This is something we've needed for a long time," Hudson said.

Nita Mallett, public affairs specialist for the U.S. Corps of Engineers, said Guinn Brothers Contractors of Oil City, La., was awarded the \$427,000 contract for the project. She said they have 120 days to complete

the project. The project calls for dredging go down to a depth of 5 and 6 feet, she said.

The Army Corps of Engineers had to submit a permit for the work under a



Allen Mowery/Chen photo/News-Journal

A dragline sits on a barge docked near the Highway 155 bridge at Lake O' the Pines Wednesday afternoon. The Army Corps of Engineers will be using the equipment to clear some of the boat lanes in the lake.

Mallett said. The dredging will section of the federal Clean Water Act, since it involves dredging. The dredged material will be returned to the lake along a spoil pile about 25 feet from the boat lane, she said.

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Aug 31, 1994

6A NEWS MESSENGER

## LOCAL/NATION

# Streets to be seal coated on 1995

GAIL K. BEIL  
News Messenger

Marshall drivers who travel city streets east of U.S. 59 around the Victory Drive McDonald's Restaurant. Be prepared. The city of Marshall is beginning its seal coating of some of the streets in the area.

Marshall Engineer Dudley Swafford said crews will be out through the area if at all possible," Swafford said. "They need to stay away from the area and keep their cars off the newly-tarred surface."

Not only do the cars do damage to the newly-laid streets, the officials said. "I know they are

shoved material — flying rocks and sticky asphalt — can do damage to car windshields and fenders before it cures, Swafford said.

By next Thursday, Swafford expects the resurfacing to be completed in streets east of Garrett and south of Johnson Streets.

Anyone with questions about the work can contact Swafford at 935-4400.

By next week, the seal coat crews will be near Marshall High School and South Washington Elementary.

"We've met with high school

age to the newly-laid streets, the officials said. "I know they are

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Any one with questions about the work can contact Swafford at 935-4400.

GAIL K. BEIL  
News Messenger

The Marshall City Council set the budget for 1995, set the same rates charged for leaving Road convenience station.

The meeting will convene usual, at the Marshall Public Marshall's current tax rate of property will not change. New rates for leaving solid convenience station will not currently charged. However, vehicles and types of solid \$8.50, unless it is full of 17.75.

Pickups with sideboards, trailers, dump trucks and cubic yard for regular gaits, brush and limbs.

Roofing materials cost \$12 up with sideboards, \$350 for trucks and \$375 for stake beds. There is no charge for ice, aluminum cans, newspapers and soda bottles.

**Join more than 20,000 Marshall News Messenger!**

# Caddo agreement to increase public knowledge to be signed

GAIL K. BEIL  
News Messenger

KARNACK — At 3:30 p.m. Thursday, Texas Parks and Wildlife Executive Director Andy Sansom and U.S. Commissioner of Reclamation Daniel P. Beard will sign a cooperative agreement aimed at increasing public knowledge and appreciation of Caddo Lake's natural resources and their management.

The ceremony, to take place at the Caddo Lake State Park recreation hall, will be hosted by U.S. Rep. Jim Chapman. Daniel's involvement is part of the "Chapman Initiative," the congressman's effort to provide

sustainable economic growth, eco-tourism and environmental protection for Texas' only naturally-formed lake.

A spokesman from Chapman's office said the public is invited to attend the ceremony.

Karen Greenwool is Chapman's staff member for Caddo Lake. She said the Bureau of Reclamation can assist with current research being done at Caddo Lake as well as projects such as a



# Signs may point to longer wait for U.S. invasion

MONTE CRISTI, Dominican Republic (AP) — The Clinton administration official intended a meeting of Caribbean leaders saying its community foreign and defense ministers. The meeting at Kingston, rulers is running out, that the time

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Price Sa/  
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# East Texas group supporting Environmental Education Center returns with sound ideas

U.S. Rep. Jim Chapman (D-Sulphur Springs) welcomed home the group of 17 East Texans who traveled to Kentucky and Missouri to visit and evaluate environmental education research centers and regional efforts to promote natural resources through ecotourism.

"I appreciate those East Texans who took the time to visit Land Between The Lakes and Powder Valley Nature Center. One of the recurrent themes from the visits in Kentucky and Missouri was: the importance of planning and the need to develop a support group for an environmental education research center. With this diverse group, I believe the Caddo Lake area is ready to move forward," Chapman said.

After visiting Land Between the Lakes (LBL), where the group learned about the overall challenges of sustainable development, they traveled to St. Louis to tour Powder Valley Nature Center, a new state-of-the-art facility. "It was a good contrast to examine an older project going through the challenge of meeting the market needs of today, and then view a brand new facility designed for today's environmental education focus," said Carol Harrell, superintendent, Jefferson ISD.

Constructed in 1989, Powder Valley is a tremendous asset for the St. Louis area. The Center was designed to initiate an understanding and enjoyment of the natural world, its fish, forests, and wildlife resources. Situated in 112 forested acres, a 22,000 square foot building, built of native stone and cedar contains four classrooms, a 250 seat auditorium, a library, a wildlife viewing area, three

hiking trails, outdoor amphitheater, a 3,000 gallon living pond, and two levels of state-of-the-art exhibits.

Powder Valley offers programs to families, conservation groups, school, scout and community groups, teachers, and retired citizens. Juanita Wakefield of the Jefferson Chamber of Commerce said, "An environmental center like the Powder Valley Nature Center would be a positive economic development project for the region, drawing Texas, national, and international visitors."

Glenda Abney, the Manager of the Nature Center provided the group with a briefing and tour. Her lecture focused on the nuts-and-bolts of operating a nature education center: annual budgets, costs associated with opening a nature center, visitation, and program development. "Glenda was terrific. She had a wealth of information ranging from who to construct, manage and budget a state-of-the-art facility to making sure you have enough storage and electrical outlets," said Duke DeWare of the Cypress Valley Navigation District.

"From this trip, it is very clear that a Caddo Lake environmental education center will be a long term commitment requiring extensive community planning and support. But everyone has a stake in our natural inheritance and an environmental education center at Caddo Lake will promote historical, cultural, and conservation concept to East Texans and future generations," Chapman said.

The group plans to meet again now that they are back in East Texas to review their findings and plan a strategy to move forward. "The thing

that needs to be done now, is determine how much money this will take, where we will get it from, how to proceed, and then we need to do it," said Bill Brown, President, Merchants Association of Jefferson.

The Texans participating on the trip to Kentucky and Missouri were: Julie Bennett, National Biological Survey; Jeannette Boswell, Caddo Lake Historical Research Committee; Bill Brown, President Merchants Association of Jefferson; Rubye Bryant, Jefferson ISD; Duke DeWare, Cypress Valley Navigation District; Dr. Jack Foreman, Dean, East Texas Center, Texas State Technical College; Karen Greenwood, Office of Congressman Jim Chapman; Joe Griffin, Marion County Leadership II; Carol Harrell, superintendent, Jefferson ISD; Paul Harrell, Texas Forest Service; Dr. Mike Legg, Professor of Forestry Recreation, College of Forestry, Stephen F. Austin State University; Karen Leslie, Texas Parks and Wildlife; David Little, President, Marion County Industrial Foundation and First National Bank; Dr. Lewis T. May, Professor, University of Houston; Jim Neal, Texas Parks and Wildlife Department; Mary Thigpen, Jefferson ISD; Marcia Thomas, President, Caddo Lake Historical Research Committee; Juanita Wakefield, Jefferson Chamber of Commerce and Dr. Bruce Webb, Professor, University of Houston.

leaders. Pictured background, Kayds and Amanda

Courtesy Photo)

## Day

are Information Health Management Corp.; Lodge, Whisemont Centers; of Retired Fed-RFE; Edward D. Red River Association; Ranaier, Social Secu-State First Na-hael Rehabilita-Michael Hospital Michael Prime Michael Hospital Ambulatory Michael Hos-Temple Webber Center/American Michael Hospital; Rehabilitation Arkansas Police Department of Hank S. Teed, National Bank; Extension Ser-

## IP Foundation awards Bi-State Women's Center

On behalf of the employees at International Paper, Texarkana Mill, the International Paper Company Foundation has awarded the Bi-State Women's Center with a grant of \$3,500 to fund the Life Quality Skills program.

Presenting the grant to Betty Hines, executive director, Bi-State

health, and arts organizations throughout the Ark-La-Tex. The grants are awarded on behalf of all employees who work at the mill.

International Paper Company Foundation awards to communities throughout the country have totalled in excess of \$2.7 million this year.

## CORRECTION

In the Thursday, Aug. 18, issue of the Jimplecute, it was incorrectly reported that the Marion County Appraisal District's proposed 1995 budget totalled \$170,200.

According to Chief Appraiser Brenda Keith, that amount should be \$270,200.

## Bike-A-Thon

Continued from pg. 1

is raised, the rider receives a sports bag in addition to the certificate and T-shirt. Also, the person raising the most money will receive a bicycle.

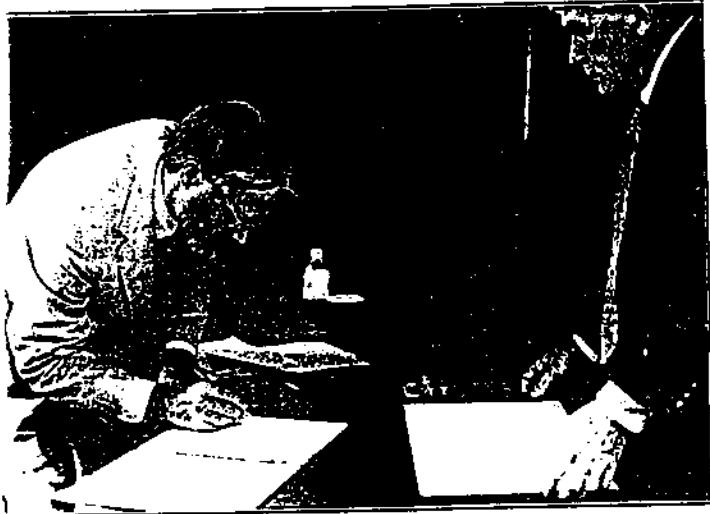
\*The real prize though is the

# NEWS MESSAGER

Vol. 118 No. 74

MARSHALL, TEXAS

## \$2.5 million pledged to Caddo



**MILLION DOLLAR SIGNATURES** — Texas Parks and Wildlife Executive Director Andy Sansom, left, puts his name on an agreement with the Bureau of Reclamation as its Commissioner Daniel Beard looks on. Beard came to East Texas, Thursday to personally commit \$2.5 million to promote sustainable development and environmental protection on Caddo Lake and the Cypress Valley watershed. Residents can expect action on upgrading the waste water plant as a result. (Photo by GAIL K. BEIL)

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*News Messenger*

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The foundation . . . seniority produces big-spender

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See Center/2A

## Center

Continued from 1A

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To: Billy  
Karen  
Mashak

# TNRCC: State water designation idea dead

By Mike Elewick  
East Texas Editor

Plans for a state level alternative to the controversial federal Outstanding National Resource Water (ONRW) designation that would have had far-reaching environmental impact on Caddo Lake are also dead — at least for now.

When Gov. Ann Richards dropped her backing of the federal ONRW designation for Caddo Lake and several other Texas waterways in July, she

said the Texas Natural Resource Conservation Commission would be developing state level alternative plans for the protection of the water resources.

But TNRCC will take no action unless state lawmakers say so, said an East Texas legislator.

"TNRCC is not going to do anything to Caddo Lake or any other Texas lake without first

See Plan, 5A

## Plan for state water designation dead for now

From 1A

receiving direction from the Legislature," said State Rep. Tom Ramsey, D-Mount Vernon. Marion County and much of Caddo Lake are in Ramsey's district.

"I am happy TNRCC sees no present danger to the integrity of the water quality of Caddo Lake," Ramsey said.

TNRCC Chairman John Hall Wednesday afternoon told the Longview News-Journal the agency was out of the loop in making a decision on the future of Caddo Lake for the present time. But Hall said the reason was a "very detailed water assessment" that will be completed by the U.S. Corps of Engineers under an initiative sponsored by U.S. Rep. Jim

Chapman, D-Sulphur Springs, and the Texas Parks & Wildlife Department.

Hall said the study is scheduled to take two or three years and will help officials identify future steps.

"This will be one of the most comprehensive water studies ever undertaken in Texas," Hall said. In the meantime, TNRCC will keep in place the state's 1991 water quality standards. Hall said the governor has been briefed on the agency's plans to await results of the federal study before making any recommendations on Caddo Lake's future.

Ramsey said far-reaching policy decisions concerning Caddo Lake or any other state waterway should rest with the state Legislature rather than

with the federal government or an agency not directly responsible to the voters.

"If people think there is something wrong with water quality at Caddo, they need to contact their state representative or senator," he said. "I don't think we need to go in the direction of the ONRW. If the lake had received that designation it would have had far-reaching economic consequences."

Ramsey said he was against anything that would have impeded economic growth in East Texas.

"I'm concerned about protection for the lake too," Ramsey said. "But I'm also concerned about economic development and I think we can have both."

Thursday, September 1, 1994, Longview News-Journal

5A

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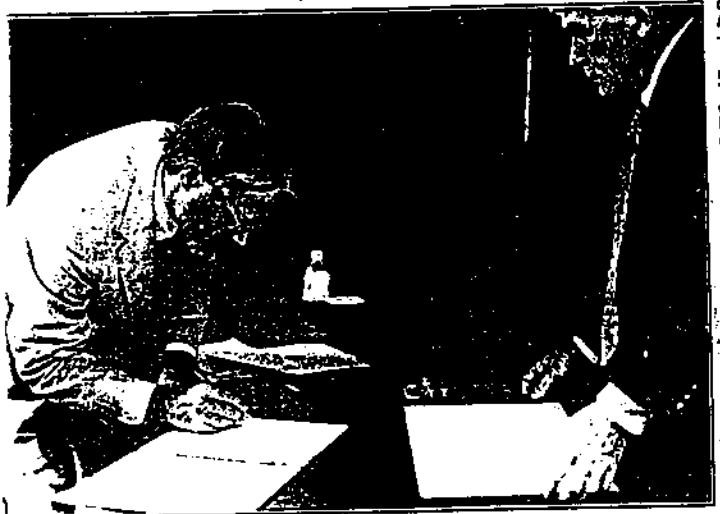
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# NEWS MESSAGER

Vol. 118 No. 74

MARSHALL, TEXAS

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See Center/ZA

### Center

Continued from 1A

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# Lake activities

problems and take advantage of basin resources."

A watershed examination will be development of a functional Geographic Information System which will identify opportunities and cultural resources produced by restoration, recreation, and environmental education.

The Corps will also continue to the restoration of the historic bridge in Jefferson, along the Caddo River. They will determine if restoration can be pursued historic and environmental needs. The Corps has been working on this project in Jefferson and will work with local residents on their

Like most Jeffersonians, I look forward to seeing their final product," Chapman said. "I am extremely pleased with the work done on behalf of the Caddo Lake Initiative. The first round of public hearings were recently conducted on the watershed project and additional public meetings will be held as the project progresses. We are making progress and today's vote solidifies those positive steps," Chapman concluded.

The FY 1995 Energy and Water

Appropriations Act Conference Report will need to be approved by the full House of Representatives in upcoming weeks and the U.S. Senate. It will also have to be signed by the President.

governmental agency, I spoke with Agriculture inspector at Tyler. He told me that people experiencing damage they feel was due to effects of the spraying should contact him to lodge a formal complaint. He will then take soil and water samples which will be tested for possible contamination. Inman can be contacted by phone at 903/597-6571 or 903/668-3598. Anyone who has a specific concern or complaint should call him immediately.

## Funding approved for Bureau of Reclamation activities at Caddo Lake

U.S. Rep. Jim Chapman (D-Sulphur Springs) announced Aug. 4 that a House - Senate Conference has approved his funding requests for the Bureau of Reclamation to begin cooperative activities on the Chapman Caddo Lake Initiative. The \$2.5 million was approved by the Conference to the FY 1995 Energy and Water Development Appropriations Act. Chapman was one of the House's conferees on the bill.

"Today's vote will ensure that a seed planted earlier this spring, when Bureau of Reclamation Commissioner Daniel Beard visited Caddo Lake, will grow and lead to many opportunities for East Texans. The Bureau of Reclamation is excited with the prospect of contributing to the Caddo Lake Initiative," Chapman said.

The Bureau of Reclamation will be working with local efforts on several fronts of Caddo Lake Initiative. They will assist with research activities and environmental education opportunities, as well as, tourism, economic and recreational opportunities for the Cypress basin. They have a background in ecotourism and sustainable development that will help the economic base of the community," Chapman said.

Commissioner Beard is scheduled to return to Caddo Lake later this summer to finalize their participation with state and local organizations.

The Bureau of Reclamation will also evaluate the needs and assess the wastewater facilities around the Lake.

Secretary of the Interior Bruce Babbitt has made a commitment to shape a new role for the Bureau of Reclamation. Babbitt wants the Bureau to become more attuned with

local activities and conservation efforts.

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## Chamber agrees to reimburse Krewe for Triathlon expenses

Board members of the Marion Co. Chamber of Commerce have agreed to reimburse the Krewe of Hebe \$101.12 for 25% of the advertising costs associated with the recent Heritage Triathlon. When the final tallies were made, Krewe member Glen Carter reported this year's Triathlon had netted \$1,114.

Last year, when the Chamber agreed to transfer primary sponsorship of the Triathlon to the Krewe, it was with the stipulation that the Chamber receive 25% of the event's proceeds. According to Carter, that amounted to \$278 before \$379, the Chamber's 25% portion of advertising costs, was deducted.

Carter reported that this year's Triathlon drew 243 entrants, and everything "went smoothly." He predicted that the goodwill generated by the event would spread throughout Texas and Louisiana, and asked for the same cooperation between the Chamber and Krewe for next year's event.

The Chamber's Economic Development chairman Jack Rasberry said a lot of hard work had gone into the acquisition of International Paper's strand board plant for Jefferson. He added that, since the enterprise zone encompasses five square miles of Marion County, it offers benefits to attract other new industries as well as the expansion of existing businesses. Rasberry said every job created re-

ceives \$2,000 from the state, plus many other benefits.

Treasurer Dorothy Carter reported that the Chamber's general fund contained \$5,862.70 and the visitor development fund had \$21,254.54 at the end of July. It was also reported that the Chamber received \$319.1 as its portion of the proceeds from the recent Country Peddler Show. The total amount received from the show was reported as \$1,560 before deducting the expense of portable toilets, security, electricity, and miscellaneous personnel.

Office Manager Juan Wakefield announced that the Chamber had eight new members: Cac Canoe Rental and Boat Tours; La Parish, Attorney at Law; Sa Wholesale in Longview; Home Acc Bed and Breakfast; Eric Co Reflexologist; Knights in History Jefferson Reservation Serv Tootsie's Hand Carved Candles Christmas Store; and The Prints. The upcoming Chamber Bus After Hours celebration is set for p.m. Thursday, Aug. 25, at Spider's Web, with Jim Krushe as host.

Copy-Rite of Marshall awarded the bid for a copy machine for the Chamber office following presentations by three companies. The cost will be 15¢ per copy, with service and maintenance contract.

(See Chamber, pg. 2)



### JISD to host Meet the Teachers' Night

Jefferson I.S.D. will host an open house for parents and students to meet their teachers prior to the first day of school.

The elementary, middle school, and high school will be open from 5:30 til 7, Friday evening, Aug. 12. Plan on coming to meet the teachers.

pads Monday morning as two-a-day season class 3A polls, open play next is at 5:30 p.m. followed by the JV squad. Practices are at W.F. Lockett Bulldog

# Burning has plant in hot water

## Environmentalists protest fuel burning near Caddo Lake

From Staff Reports

**C**addo Lake environmentalists on Thursday assailed Longhorn Army Ammunition Plant operators for a request to burn jet fuel upwind from the lake.

The Texas Natural Resources Conservation Commission called a public hearing on a request to make permanent an interim hazardous waste burning ground at the plant near Karnack.

The request had nothing to do with a separate jet fuel burning request.

Thiokol, which operates LAAP under an agreement with the U.S. Army, has been disposing of hazardous solid waste under the temporary permit for years. The hazardous materials result from the production of munitions at the plant.

Thiokol's separate request is to dispose of small rocket motors shipped into the plant from other areas of the country.

**S**hreveport architect Bill Wiener, who helped organize the "Don't Ditch Caddo" effort to oppose a U.S. Army Corps of Engineers navigation project through the lake, took issue with the rocket motor request.

He reminded the commission members that seven towns depend on Caddo for drinking water.

"What's next? A commercial hazardous waste disposal facility on Caddo Lake?" Wiener asked.

Environmentalists fear the burning of

the solid rocket fuel would release pollutants into the air that could prove harmful to fish and wildlife in and around Caddo Lake.

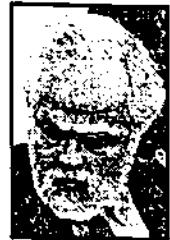
But Lynn Muckelrath, an Army environmental engineer working at Longhorn, said there is no evidence to support that.

"The state double-checks us on everything."

"We have to give them all the information, and they do the modeling to predict what would happen under a worst-case scenario."

"The commission would not issue the permit if it had any concerns," Muckelrath said.

**A** separate hearing will be held Sept. 15 in the Karnack High School cafeteria to hear comments on cleaning up



Wiener



The Times/FILE

Environmentalists fear the Longhorn Army Ammunition plant near Karnack,

the existing burning ground at Longhorn.

It is high on the list of sites slated for hazardous waste cleanups under what is the "military equivalent" of the "Superfund" program, Muckelrath said.

Caddo has seen more than its share of environmental battles.

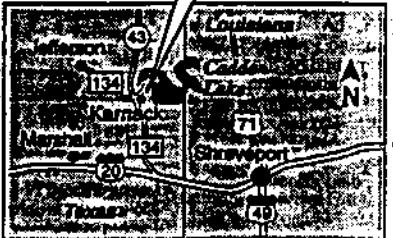
After years of study and the expenditure of millions of dollars, the Corps abandoned the idea of extending Red River navigation through the lake via the so-called Daingerfield Reach.

Instead, local, state and federal officials are now working with the private sector in developing the area for "ecotourism," focusing on Caddo's unique natural resources.

Texas, will harm Caddo Lake if it is allowed to burn jet fuel in the area.

### Caddo concerns

Environmentalists fear that activities at the Longhorn Army Ammunition Plant near Karnack, Texas, could be damaging to Caddo Lake.



The Times

Saturday  
22 Oct 94

(last day of  
Charnette \$ will  
be 1 yr. anniversary  
Chapman initiative)

# WV get update on nicle 'Chapman Initiative'

600 Sanford Street,  
radio, videocassette  
and cassette tapes

mischief, Travel Inn  
nearest Drive. Room  
who checked out  
have done \$140 in  
room.

burglary, K&B Drug  
East Pinecrest Drive.  
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A vehicle accident was  
5 p.m. Friday at the  
n of U.S. 59 and Inter-  
One injury was report-  
ne citation pending.

ilation  
rrison County Jail held  
ers as of 2 p.m. Sat-

n northern Wisconsin for  
er holiday.

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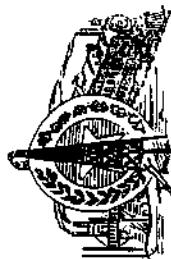
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Cindy's



# Jefferson

Vol. No. 147 - 21 - Established 1848



# Jim plerute

Jim Industry, Manufacturing, Planning, Labor, Energy, Capital (in) Unity Together Everlasting

35c

One Section - The 5th Oldest Newspaper in Texas

Thursday, October 27, 1994

## "Visions" workshop results in alternative plans for Big Cypress restoration work

Representatives of several state and federal entities were in Jefferson last week for a workshop designed to develop a series of design concepts for restoration activities at the historic Port of Jefferson and the Big Cypress Bayou watershed region. Workshop participants included representatives from the U.S. Army Corps of Engineers, the National Park Service, Texas Historical Commission, Texas Parks and Wildlife Dept., University of Houston Center for Urban Ecology, Shugart Associates, and several consultants.

Results of the week's meetings and work sessions were described in a Friday morning presentation by Ann Moss, landscape architect for Shugart Associates of Boulder, Colo. She stressed that Jefferson would be the focal point of the project, with everything "linked back to Jefferson."

Goals compiled during the week included improving access to the water; expanding trails; hiking, biking, and equestrian; creating activities to accommodate children's needs; promoting an understanding of unique natural and cultural qualities of the

area; diversifying recreational opportunities; encouraging research to better understand the historical and cultural heritage of the area; preserving the character of Jefferson; identifying diversity; preserving Caddo; recognizing and protecting resources and stories related to Jefferson's steamboat era; and facilitating preservation efforts.

Mrs. Moss placed a heavy emphasis on ecology by encouraging low impact development that would preserve the characteristics which make this area unique.

Alternatives for achieving the desired goals were given, and an announcement was made that Corps representatives would be meeting with local residents to form a committee to proceed with the project.

**Chapman visits here on anniversary of "initiative"**

Congressman Jim Chapman made an appearance at Friday morning's session of the Big Cypress Bayou "Visions" workshop at the Carnegie Library in downtown Jefferson.

Chapman, who was instrumental in formation of the Caddo Lake Initiative to preserve and protect the lake, reminded everyone that it was one year ago when he and TFW Director Andy Santom were in Jefferson to announce the project.



ANN MOSS, landscape architect for Shugart Assoc. of Boulder, Colo. relates information gained during last week's "Visions" workshop in Jefferson.  
(Photo by Joe Wayne Dennis)

One Section - The 5th Oldest Newspaper in Texas

2 • Thursday, March 30, 1995

## Alliance elects directors, officers

Members of the Cypress Valley Alliance met Monday, March 20, in Jefferson. At the meeting which all members were invited to attend, the Alliance approved a compromise agreement with the Cypress Valley Property Owners' Association which provided that the president of the Cypress Valley Property Owners' Association be made a member of the Board of Directors of the Alliance, that a provision in support of property rights be placed in the Articles of Incorporation and that the 11-county environmental study be discontinued.

The membership adopted bylaws, opened the Alliance to accept membership, elected a board of directors and officers.

Those elected to an eleven-member board are Carol Harrell of Marion County; Jason M. DeWare IV of Marion County; Bill Hughes of Marshall; David McKnight of Marion County; Johnny Bradley of Marion County; Pauline Cooper of Marion County; John Schols of Harrison County; Doug Gaines of Shreveport, Louisiana; Doris McWilliams of Marion County; Leta Kay of Marshall and George Huffman of Marshall.

Those persons elected as officers are Carol Harrell, president; David McKnight, vice president; Jason M. DeWare IV, secretary-treasurer.

The alliance decided to become a Texas non-profit corporation.

"I am looking forward to working with each member of the Alliance and furthering the goals of the Cypress Valley Initiatives," stated Dr. Carol Harrell, its president.

# Public concerned about Caddo Lake mercury contamination

Since the Jan. 30 mercury advisory issued for Caddo Lake by the Texas Department of Health, the Texas Parks and Wildlife Department has been contacted by many people who want to know more about mercury and the problems it causes.

In the advisory, TDH officials recommended no consumption of largemouth bass longer than 18 inches and no consumption of freshwater drum in all Texas waters of Caddo Lake. Children under six years old and women of childbearing age should limit consumption of largemouth bass under 14 inches long to one meal (8 ounces for women, 4 ounces for children) per month.

Mercury is defined as "a heavy silver-white poisonous metal that is liquid at ordinary temperatures. In fish, methylmercury is quickly absorbed by the gut and then into the circulatory system. It accumulates in muscle tissue. In metal contamination of tissue such as mercury, cooking will not eliminate or decrease its concentration. Once ingested or converted from tissue into the circulatory system, methylmercury is translocated to the brain and nervous system where it has a neurotoxic effect."

Smiley Nava, contaminants assessment program leader in TPWD's resource protection division, said mercury can be found in varying quantities in many other different forms than the silver-looking liquid in medical thermometers most of us are familiar with. It is widely used in many products that, with careless disposal, could lead to mercury contamination in the environment, such as air switch controls for air conditioning thermostats; in municipal and industrial waste waters; and in fossil fuels like coal.

Natural mercury sources also include sedimentary rock such as cinnabar. Texas was a major source of the mercury for the world in the early

part of this century, he said. There are several other less recognized sources as well as practices that have been stopped in past years but which contributed to its distribution in the environment.

According to U.S. Environmental Protection Agency reports, atmospheric deposition is a major route of exposure. Atmospheric deposition is regarded as one of the major reasons for elevated mercury concentrations in fish in the 34 states that currently have fish advisories or bans. Nava said the EPA suggests that sources of the increased mercury levels may have occurred hundreds to thousands of miles from the contaminated sites when deposited in rainfall.

"While mercury in the atmosphere is considered to be at very low concentrations, it accumulates to more concentrated levels in sediment and organisms," he said. "Once in the water, mercury tends to settle out or attach to the sediment. It is less likely to be found in the water column; that is why testing for mercury in water is less indicative of a problem than testing in sediments or fish. When mercury is found in the water column, it is usually due to a recent release such as a spill or discharge."

The main problem with mercury is that once it enters a water body, elimination is difficult and slow, regardless of how it entered the watershed, he said. There is no quick solution for a mercury problem with current technology, particularly one that is cost effective.

"Scientists believe that actions to eliminate additional inputs into the environment will help in reducing the buildup of mercury in the environment by limiting further accumulation," he said. "The long-term solution recommended by scientists is based on eliminating all known sources of mercury into the environment."

For human health concerns, studies have shown that humans can eliminate methylmercury over a period of several months. Limiting the number and frequency of seafood meals is often recommended where consumption advisories are issued. The TDH is responsible for monitoring and advising the general public of human health issues regarding consumption of contaminated fish. They should be contacted if eating fish or other aquatic foods are of concern.

In the coming months, the TPWD in cooperation with several other state agencies will be working with TDH officials to conduct studies in Caddo Lake as well as other area lakes. Nava said the good news is that in the

preliminary study of about 180 fish samples tested for 140 contaminants (23,400 data points) in several East Texas lakes and reservoirs, only Caddo was found to have one contaminant - mercury - of concern. Additional studies are needed to gain a more precise understanding of mercury in state waters and natural resources.

For requests regarding environmental contaminants and impacts on fish and wildlife resources, call TPWD at (512) 389-4732; for fishery management information, call TPWD at (512) 389-8110; for food safety and human health risk information, call TDH at (512) 719-0215; for surface water quality information, call the Texas Natural Resource Conservation Commission at (512) 239-4444. TPWD also has a toll-free number (1-800-792-1112).

## NEWS MESSENGER

MONDAY, APRIL 3, 1995

### Cypress

*Continued from 1*

the bayou. According to Brochu, Jefferson is considering constructing a civic center on the south bank of Cypress Bayou.

The third concept, still under wraps, would incorporate the education center with the historic Port of Jefferson now being studied by the U.S. Corps of Engineers in another of the projects of the Chapman Initiative.

Shreveport architect and long-time Caddo Lake defender Bill Weiner objected to both concepts as presented. "This is supposed to be the Cypress Valley Environmental Education Center," he said. "What's wrong with both is that education is gone — what you're proposing in a tourist center. The environment is gone — both these places are in downtown Jefferson. And even the cypress trees are gone."

Weiner objected particularly to Plan Two because he said it would be too close to the highway and therefore too noisy.

He suggested putting the center on stilts and boardwalks in one of the bald cypress groves. "Then you're in the environment. This makes this area unique. What you've got here is an urban shopping center approach."

But others, including Inside/Outside planner Hanna, said it was necessary that the center be where the tourists are. "It's important that we have a strong linkage with the natural approach and the historical one," Hanna said.

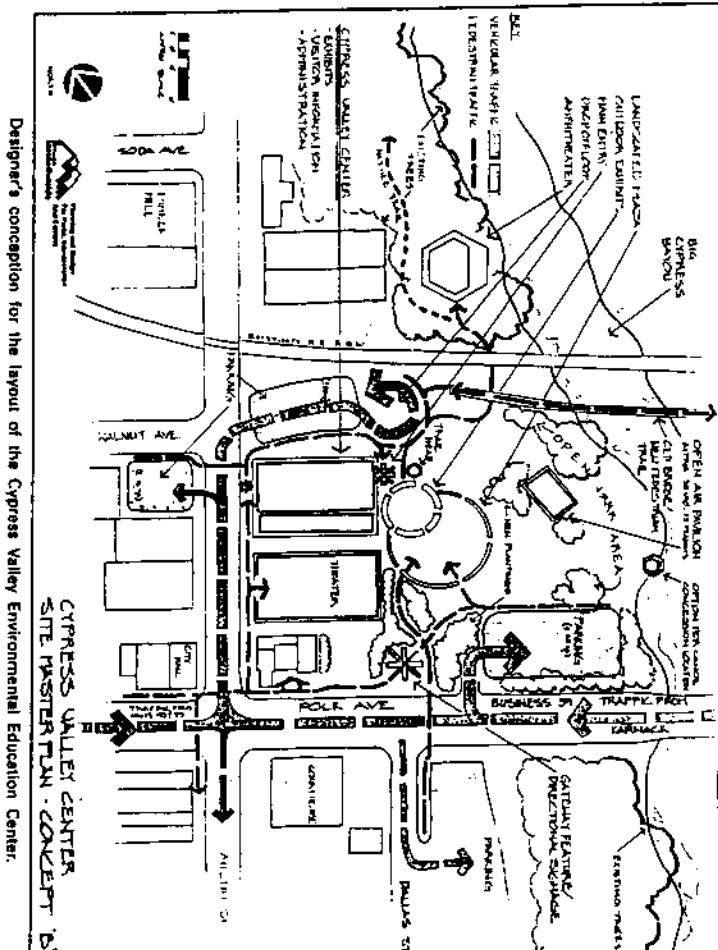
Asked for a vote, the audience chose Plan Two as their favorite.

"I like the hub with spokes approach," said Jefferson ISD Superintendent Carol Harrell, who is also chairman of the Cypress Valley Alliance. "There has to be some way to encourage people to go out into other areas. They are already going to Caddo Lake State Park, Lake o' the Pines, Wilkes Point and the historical and art museums in Marshall."

The Alliance was appointed by Chapman to provide citizen input into the various projects of the Chapman Initiative.

Brochu said once a concept was adopted, available money would determine the next steps. Inside/Outside is working on the concept. The next step would be the actual design, she said. The concept plan can be used for fund raising.

"Our part will be finished by July 31," she said.



GAIL K. BEIL  
*News Messenger*  
JEFFERSON — One of U.S. Rep. Jim Chapman's projects for the Cypress Valley watershed moved a little closer to reality last week.

Inside/Outside, a firm that was selected two of three possible concepts for what Inside/Outside president Lisa Brochu called "The Cypress Valley Environmental Education Center."

The welcome center will be the hub of an environmental educational center proposed by Chapman and TPW Executive Director Andy Sanson as part of the Chapman Initiative for the watershed.

The "spokes" could include Caddo Lake State Park and other museums and educational centers in the area.

Brochu said the objectives she and staff members John Hanna and Paul Scallan used as they designed concepts combined the

natural history of the area and the historical and cultural history of Jefferson.

Plan One put the center at 61 Dallas Street; the building now owned by the Jefferson Junior Historians. Included in that scheme would be a food court, a half-mile nature trail, canoe and paddle boat launch and landscaped parking which would include the Texas Archives and

grade line.

# Citizens review Welcome Center, for Jefferson

property recently acquired by the Opera House Players for a theater. It would incorporate the area now used for a public boat ramp. Brochu suggested the ramp could be moved.

Plan Two would also incorporate the abandoned railroad bridge across the Big Cypress Bayou which would provide access to development on the south side of

See Cypress/3

**Jefferson Jimplecute**

**2 . Thursday, April 6, 1995**

# This week marks 50th anniversary of the "big flood"

This week marks the 50th anniversary of the flooding of Jefferson which, according to the April 5, 1945 issue of the Jimplecute, "touched every building and business in the downtown area."

According to an article on the front page of that week's paper, "There was no Easter Parade of fine frocks and new hats in the streets of Jefferson this year."

"The parade seen on these streets Sunday, April 1, was of boats, and people wading water knee-deep and automobiles plowing through the shallowest places.

The story continues, "A general alarm was sounded at about 3:30 a.m. as the water threatened to come over the bank at Dallas Street and by daylight men stood on main street and backed away as the flood waters moved in. All day long the water rose and before the crest was reached about the middle of the day Monday,

Jefferson saw its worst flood in history. The water this time reached 30 feet on the government gauge in the middle of Big Cypress bridge. The flood in 1930 was probably the worst to this date when the water reached 28 feet on the gauge and only a portion of Polk Street was covered. This time, however, water flowed, as if in a separate stream, in every street and alley, downtown. The high point downtown seemed to be at the intersection between Denton and Sedberry Drug, the bank and Jefferson Dry Goods Co., and here the water met in the gulleys next to the sidewalk and water was in the two drugstores. The bank and dry goods store were the only business houses in which water did not flow in the floors."

The spirit of cooperation exhibited by people was credited with avoiding worse consequences of the flooding.

PZ  
Joe R-W  
Gene -

Thursday April 6, 1995

## LOCALNEWS

NEWS MESSAGE 3

# History is being remade for the Cypress Alliance

I have heard of people trying to re-write history, but when U.S. Rep. Jim Chapman and the Cypress Valley Alliance start to rewrite current events, I think it is time to set the record straight.

In January, Congressman Chapman held a meeting at which he announced that he had asked me and seven others to serve on the Board of Directors of the Cypress Valley Alliance. His stated purpose was to create an independent board to carry on the projects in the Chapman Initiative.

There have been several meetings held by this board of directors, for each of which there are written minutes.

There were numerous occur-

### READERS WRITE

rences of procedural irregularities and several instances where Chapman's staff succeeded in regaining control of this independent board of directors, even to the point of choosing additional members.

At the March 20 meeting of the Cypress Valley Board of Directors, in yet another unannounced move, the board members suddenly and mysteriously became only "members" and a (new) board was elected. All except David McKnight, who was asked by Chapman to serve on the board. He was appointed, without having to be subject to

election.

The lessons I have learned from working with Congressman Chapman, his staff, and the Alliance are:

1) If one has legitimate concerns about some of the activities associated with Chapman Initiative and the Cypress Valley Alliance and one chooses to raise those concerns internally, then one will be kicked off the Board of Directors for not being a "team player" and some of those involved will choose to lie rather than take responsibility for their actions.

2) If one openly criticizes Chapman and the Alliance, uses misinformation, plays off of peo-

ple's fears, and sends enough faxes, then one can get Chapman to bow to mob-rule by cancelling worthwhile government programs and one will be rewarded by being made Vice President Fo-in-Charge-Of-Henhouse-Security.

Having said all of this, let me add that I am now, and always will be, an advocate for all of Caddo Lake, including all of its values and all of its historic uses.

I have heard a great deal in recent months about what different groups are "against" regarding Caddo Lake.

When I begin to hear what they are "for," I will help.

Murray Lloyd  
Shreveport, La.

To:	Christy Sorrells	From:	Jacquie Huff
Co:		Co:	TEEX
Dept:		Phone #	
Fax:	817-885-7539	Fax #	

**Tyler Morning Telegraph**  
WEDNESDAY, APRIL 12, 1995

## CVPRA To Vote On Proposal Thursday

By IRIS ROBINSON  
Staff Writer

Cypress Valley watershed residents and state and federal government officials at odds over proposed fact-finding excursions on private property hope "peace will come to the valley" following a meeting Thursday night in Jefferson.

U.S. Congressman Jim Chapman, D-Sulphur Springs, Texas Parks and Wildlife Department executive director Andy Shander and principle members of the Cypress Valley Property Rights Association have agreed to abandon all research trips onto private land without the express invitation of property owners.

That agreement will be presented to the 190 members of CVPRA for a vote at the 7 p.m. meeting at Jefferson High School.

Bonny McKnight, CVPRA member, said he expects a large turnout

and positive results at the meeting.

The property rights group has protested the collection of "data base" information about property in the 11-county watershed area in Northeast Texas fearing the discovery of certain plant or animal life that could result in restrictions on private property.

The ecological and environmental study was one part of a multi-faceted program begun almost two years ago in a partnership between Chapman and TP&WD. Seventeen activities are planned for fiscal year 1995.

The overall program calls for restoration of the Port of Jefferson, creation of the Environmental Education Center in Jefferson, expansion of the Ceddo Lake State Park facilities, new markings in the lake, updating area maps and enhancement of recreational facilities.

PZ  
Joe R-W  
Gen -

THURSDAY APRIL 6, 1995

## LOCALNEWS

NEWS MESSAGE CENTER 3

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Murray Lloyd  
Shreveport, La.

# group happier after meeting with officials

MARY ANN PARKER  
*Correspondent*

JEFFERSON — Calming troubled waters seemed to be both the focus and effect of Thursday night's meeting of the Cypress Valley Property Rights Association (CVPRA) in Jefferson.

Joining the group at Jefferson High School was U.S. Rep. Jim Chapman and Andy Sansom, director of the Texas Parks and Wildlife Department.

Formation of the property rights group came about when property owners were concerned that some of the tenants Chapman had included in his "Caddo Initiative" would be harmful to private landowners.

Of particular interest to CVPRA members was an ecological study being conducted in the Cypress Valley watershed.

CVPRA members sought assurances from governmental entities that their rights as landowners (including such businesses as timber cutting) would not be limited in the event any endangered species were located in the course of the study.

CVPRA President David McKnight, in his assessment, termed Thursday night's meeting "very productive."

Both Chapman and Sansom agreed to take questions from the floor, and the dignitaries seemed to emphasize a willingness to cooperate with local citizens.

Chapman empathized with the concerns voiced by local residents and reiterated that an ecological study has been concluded.

Both Chapman and Sansom concurred with local sentiments in wishing to reduce federal involvement in the mechanics of the remaining project.

Highest on the agenda of Chapman's initiatives at this point are the restoration of Jefferson's river port and the Education/Development Center.

These two projects are still in the study phase, but seem to meet with widespread approval of Marion County citizens as solid additions to Jefferson's ecotourism industry.

The property rights group will continue in existence although its meetings will be less frequent. McKnight says most of the challenges facing his group have been ironed out by the compromises on the part of Chapman's office, the CVPRA, and the Cypress Valley Alliance with regard to the ecological study.

One scientist who took part in the survey, Carl Frentress, told the *News Messenger* for an article in Thursday's edition that the shelving of the survey means the public won't have access to important property management information.

## Chapman gives 'C' to session

GAIL K BEIL  
*News Messenger*

U.S. Rep. Jim Chapman gave the first 100 days of the past congressional session a "C-plus."

The congressman met with a group of Harrison County residents Thursday afternoon at the Harrison County Courthouse.

He gave Speaker of the House Newt Gingrich credit for keeping the Congress in line. "I've never seen anything like the discipline of the Speaker. When you've got that kind of discipline, you can run the country."

A lot got done, Chapman said, but at the expense of children, the elderly and Texas. "I'm for a balanced budget amendment, governmental accountability and regulatory reform."

NEWS MESSENGER

FRIDAY, APRIL 14, 1995

# Politics wins, science loses

## Biologist says property rights wrangle kills valuable study

GAIL K. NEIL  
News Messenger

Ranchers, land owners and tree farmers won't have the software programs to tell them how many cows their land can support, when the best time to harvest the timber is projected, or when to replant, or how to develop a deer herd for hunting season.

Prospective industrial clients won't have what Texas Comptroller John Sharp said is one of the best recruiting tools — a GIS map to tell them everything from the depth of water table to the height of the trees and everything in between.

They would have, but the Cypress Valley Property Rights Association talked U.S. Rep. Jim Chapman and the current

Cypress Valley Alliance into cancelling the study of the 11-county watershed. The watershed extends from Caddo Lake to the tributaries of the Big, Little, and Black Cypress bayous.

Under the direction of retired Texas A&M professor Bill Sheffield, Tom Cloud of U.S. Fish and Wildlife, and Dr. Ray Teller and Carl Frenness of Texas Parks and Wildlife and other scientists spent two seasons counting animals, identifying trees, and charting the undergrowth — all from the roadbeds in the area, said Frenness.

The Athens-based wildlife biologist is bitter at the outcome of 18 months of work. All that study was to do was turn something the Cypress Valley land owners could use, "Bill had worked on a simple user-friendly computer model

land use," Frenness said. "The U.S. Corps of Engineers got the funding, contracted with us and we did the monitoring survey. The Corps was organizing the data when the funds were jetted."

Frenness said the Corps was in the process of preparing a land use map covering 4,000 square miles of East Texas that would also have included weather data and soil conservation information.

Sheffield, who had done the same type survey in West Texas when he was still at Texas A&M, was convening the West Texas computer software into something the Cypress Valley land

owners could use. "Bill had worked on a simple user-friendly computer model

## Property group meets tonight

The Cypress Valley Property Rights Association will meet at 7 p.m. tonight to hear from U.S. Rep. Jim Chapman and Texas Parks and Wildlife Department Executive Director Andy Sampson. The compromise agreement reached between CYPPRA, TPW and the Cypress Valley Alliance will be presented to CYPPRA members for their ratification.

The agreement concerning the Caddo Lake Initiative, a proposal by Chapman and TPW that involves 11 counties in North East Texas and Caddo Parish, La. Part of the compromise is cancellation of the 11-county economic independence study. The meeting is in the Jefferson High School Commons.

Chapman is also scheduled to be at the Harrison County Courthouse from 4-6 p.m. today.

See Survey /3

### SURVEY

*Continued from 1*

it will ever be released to the general public. "It just got chopped off. We felt like there was an immediate benefit — a real product in what we were doing. We've been instructed the process will go on the shelf."

"By the way, we did our work by traveling the roads, we never went on anyone's private property," Frenness said. "But if we're talking about rights, what about my property on your real estate?"

The surface water (rivers, creeks and lakes) belongs to every citizen of Texas."

"Science has been compromised a lot," Frenness said.

THURSDAY, APRIL 13, 1995

NEWS MESSENGER

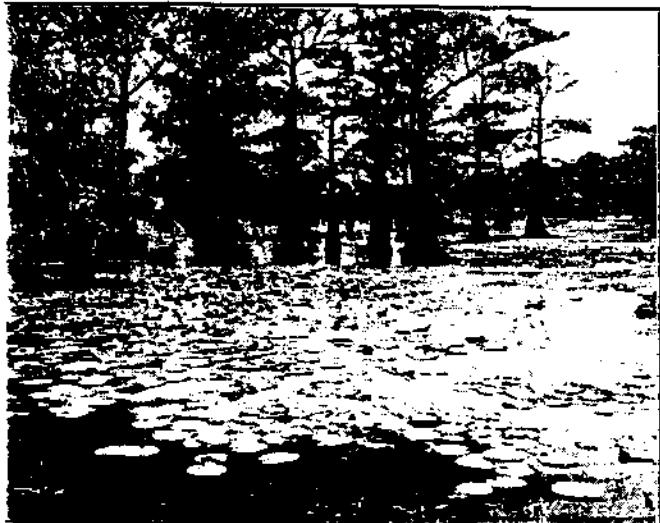
2 - Thursday, April 27, 1995

**Jefferson Jimplecute**



CONGRESSMAN JIM CHAPMAN, Dr. John Zirschky, acting assistant secretary of the Army (Civil Works) and Col. Joseph G. Graff, commander/district engineer with the U.S. Army Corps of Engineers, Fort Worth District held a press conference Monday at the Excelsior Hotel. They were here to determine prospects of economic development at Caddo Lake and Lake O' the Pines.  
(Photo by Joe Wayne Dennis)

# Flooding, silting on Caddo Lake



Too much vegetation may harm Caddo Lake.

*If we can increase discharge  
city we can control some of the  
ling and provide the flushing action  
mportant to control vegetation."*

Mike Jordan, U.S. Army Corps of Engineers  
Talking Monday about one of the things that  
be done to improve the health of Caddo Lake.

GAIL K BEIL  
*News Messenger*

UNCERTAIN — It's a long way from reality, said Mike Jordan, but there may be some relief of flooding on Caddo Lake.

A reconnaissance study into solutions for both flood prevention and preserving the lake itself has been started by the U.S. Army Corps of Engineers.

Jordan, project engineer for the Fort Worth Division of the Corps, and Dr. John Zirschky, assistant secretary of the Army, were on Caddo Lake Monday. They were accompanied by several other team members involved with the Caddo Lake Initiative. U.S. Rep. Jim Chapman's effort to preserve Caddo Lake and provide ecologically-sound economic development in the 11-county Cypress Valley Watershed.

When a planned helicopter ride to the dam at Mooringsport, La., failed to materialize, Jordan provided Zirschky with the next best thing — a boat trip, aerial photographs and depth charts of the lake bottom at the weir — the proper name for an earthen dam with no flood gates.

"The dam was rebuilt in 1971," Jordan said. "Right now the lake

has silted in so badly at the weir that when Caddo is at 168.5 feet above sea level — the water is only a foot or two feet deep."

Something has to be done, Jordan said, just to preserve the lake as it is, but the possibilities of increasing the health of the lake — and the comfort of those who live or work along the lake — exist if monies can be found once studies are complete.

At the moment, the only flood control existing on Caddo Lake is that provided by Lake O' the Pines. But its floodgates control only one of the three major tributaries, the Big Cypress Bayou. The other two, the Little Cypress and the Black Cypress flow directly into the lake, providing Caddo Lake with a source of fresh water.

"When the water at Mooringsport rises to 171 feet, we start getting calls," Jordan said. As he talked the boat in which he and Zirschky were riding moved slowly past one of the populated areas around Uncertain. Water flowed over docks,

and to the edge of some homes. Water level at the weir

See Caddo/3A

S MESSENGER

TUESDAY

April 25, 1995

was at 171.4.

"The simplest thing to do would be to remove the silt at the weir," Jordan said. "That will go a long way toward improving the discharge capacity."

But it will take flood gates in the weir itself to be able to control flooding or to provide the hydraulic action necessary to flush the lake of unwanted moss and silt.

Even though the Corps is now talking about preventing some of the flooding and providing better ecological health for the fragile wetlands of Caddo Lake, Jordan said it still must deal with the federal mandate of a cost-benefit ratio.

"It's difficult to quantify those things," he said.

Chapman's Initiative for Caddo

## Caddo

Continued from 1A

Lake and the watershed has been called unique by scientists, the Texas Parks and Wildlife Department and others. Monday, Zirschky added his name to the list.

"It is one of two models for the rest of the country," Zirschky said. "The other one is in South Florida. What they do is meet multiple objectives with decreasing budgets."

## *Cypress Valley Alliance to host public forum*

The Cypress Valley Alliance will host a public comment and review forum by the U.S. Department of Interior/Bureau of Reclamation on the forthcoming subject study of the Caddo Lake Water/Wastewater/Engineering Appraisal. The forum will be held at 7 p.m. Wednesday, July 26, in Karnack at the Karnack ISD cafeteria.

The general objective of this appraisal is to make an assessment of existing conditions, and then to present alternatives for supplying raw water and wastewater services to the immediate vicinity of the Caddo Lake area. This includes the cities of Karnack, Uncertain, Pine Island, and

the existing housing and business establishments associated with the south shore in Harrison County. This forum will make it clear that the Bureau of Reclamation has not been authorized nor funded to construct any such facility, but has been directed to identify and evaluate the possible alternatives.

The forum will address the technical aspects of each alternative and its associated costs. Because no funding mechanism or long-term operator has yet been identified for implementation, information on specific changes in individual rates will not be addressed.

## Corps takes show on road

CALL K BEIL  
News Leader

The Fort Worth Division of the U.S. Army Corps of Engineers and Texas Department of Parks and Wildlife took their show on the road Tuesday and Wednesday.

They held open houses in Jefferson, Marshall and Shreveport to explain the studies they will make of Caddo Lake and the Cypress Valley watershed.

The studies are part of the so-called "Chapman Initiative," a proposal by U.S. Rep. Jim Chapman for economic development, preservation of Caddo Lake and the development of ecotourism as well as economic development in the entire watershed.

Their reception in Marshall was a good deal different than it was in Jefferson where continued community involvement in several aspects of the Chapman Initiative brought a group double the size of the one that showed up in Marshall.

Restoration of the historic Port of Jefferson is one of the projects the Corps is already studying, but project director Ron Ramineir said another is also receiving favorable attention. "We're looking at building an environmental study center up [Jefferson]," he said. "There is a great deal of excitement here, a great deal of interest in establishing a local center."

One Marion County citizen after another thanked the Corps and TPFW for their work. Only one member of the Jefferson audience, Sybil Walker of Oil City,

## **Richard's mom impressed with East Texas sights**

o Marshall, and when she again raised her objections to more studies, Ramírez said, "Almost all those earlier studies were very project specific — like how much dirt would you have to move to build a canal. Nobody has ever looked at this geography from a global point of view."

Several members of the Marshall audience questioned the motives of the Conpa. "Trust us," they were told. They asked if the studies would effect establishment of industry. If won't, Rameritz said, the current permitting process remains in place.

John T. Echols came with a  
list of things he wished to see  
done. Although he is an officer  
in the Greater Caddo Lake Associa-  
tion, he said his views were  
not necessarily those of  
the GCLAA. He asked for more  
access to Caddo Lake than  
present public boat ramps now  
exist. He suggested construction of  
steambat road and ports  
Shreveport to Jefferson.  
He where the steamboats  
bed along the way. This is  
the possible future development  
of these areas for ecotourism."

Echols also asked that TPW  
over the maintenance and  
operation of the boat roads in  
Caddo Lake. TPW currently  
uses the Cypress Valley Navi-  
gation District to do the job, and  
in their opinion, the arrange-  
ment is unsatisfactory. "Red tape  
is hindering on the board of  
CCUND has proved wise

Joint  
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"She was state treasurer going a good job, and assured me of reelection when she decided to run for governor," Willis said. "I said to her, 'Oh Ann, why don't you keep what you've got—it's a sure thing.'"

Willis went on the road in 1989 with Liz Carpenter and Judith Moyers, campaigning for a man home across much of the state. She will be campaigning again this time, she said.

In her mother's opinion, concern for the needs of the citizens of Texas is the secret of Richards' success.

75 million. A Travis County jury on Wednesday sided with inventor Carmen Hartman in a month-long trial that centered on the development of

**The Justice Department's criminal, civil and administrative divisions are among the chief agencies looking into the matter.**

**IN BRIEF** Inventor wins  
million law  
AUSTIN - A MA-

## Department of Justice reviewing claims against tobacco companies

**WASHINGTON (AP) —** The Justice Department is reviewing allegations that tobacco companies' executives may have lied to regulators and Congress about the safety, addictiveness and nicotinic content of their products.

& Williamson learned the FDA had uncovered its genetically altered tobacco plant.

Today, B. W. Chairman Thomas Sandefur told a congressional panel that he never hid

Cigarettes were hazardous. They also alleged that officials of the nation's seven largest tobacco companies may have injured themselves when they settled before Congress in

[ 25 ]

# Study looks at Caddo sewage

By AL K BEIL  
News Messenger

KARNACK — A number of people from Karnack and uncertain got a lesson in waste water management from Bureau of Reclamation, OR) Wednesday night. Charged by U.S. Rep Jim Chapman with making an appraisal of the need for waste water treatment in the Caddo Lake area, a team from BOR made their first presentation to the public.

Drawing on previous studies of water quality and soil conditions of Caddo Lake and Big Cypress, Mike Irbeck, from BOR's Austin office, said his agency had come up with four options to provide waste water treatment. The area being considered roughly encompasses land bounded on the north by Cypress Village, east along the shoreline of Caddo Lake to the Louisiana border, south along a pipeline including Hwy. Pen Road, then west a short distance up Texas Highway 43 before going due north along a line which includes the Waterfront Restaurant at Big Cypress Bayou and the Highway 43 bridge.

Included in the BOR study are the communities of Cypress Village, Mound Pond, Fair's Landing, Pine Island, uncertain, the Longhorn Army Ammunition Plant, Johnson's Landing, F.M. 82 and Karnack.

It seemed to come as no surprise to the people in the audience that the soil conditions were not conducive to continued dependence on septic tanks.

"Almost without exception, the soil in the study area is See Caddo/2A

NEWS MESSENGER

FRIDAY

July 28, 1995

## Caddo

Continued from 1A

ranked as having a severe limitation as an absorption area for a septic leach lines," said Jeff Lucero, located in BOR's Billings, Mont. office.

"So in layman's terms none of the land around here is good for septic tanks?" asked Dorothy Grant. She and her husband Pete operate a bed and breakfast on Pine Island.

"Yes," replied another of the BOR consultants, Berril Gold also from Billings. He explained that the high water table in the area, soil quality that leads to slow percolation plus periodic flooding all contribute to the undesirability of further use of septic tanks.

Gold said there are 34 different types on septic systems on the lake, none any better than the other.

Tests of the level of fecal coliform in Caddo and on Cypress Bayou at the bridge reveal that it is at undesirable levels, particularly the area around the Highway 43 Bridge. "It has the highest level of fecal coliform in the study year round," Gold said. "There is a very obvious con-

cern for water quality."

The Bureau of Reclamation offered four options which will cost around \$20,000 to complete. One, using the city of Marshall's waste water treatment plant, turned out not to be an option at all.

The other three options: reworking the waste water plant at Longhorn Army Ammunition, building a new one in Karnack, or establishing four smaller plants in the study area all cost about the same — \$19 million to \$23 million, depending on the system of treatment used. Irbeck said that was because the price in each

case included laying and maintaining all the sewage lines required.

What happens next is up to the residents, Irbeck said. "The only realistic approach is to seek federal funding."

And the BOR could complete the project — but only if Congress gives them the authority and the funds to do so.

But if it isn't done, growth around the lake is almost impossible, public health is threatened, and water quality both in the lake and in water wells in the area is threatened.

# Study looks at Caddo sewage

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See Caddo/2A

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## Caddo

Continued from 1A

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Marshall News Messenger

22 July 1995

Jefferson Jimplecute

## Public input sought on Caddo Lake State Park

JULY 11

Texas Parks and Wildlife Department officials directing a conceptual planning project for Caddo Lake State Park and Wildlife Management Area will hold an open forum to receive public input at 7 p.m. Thursday, Aug. 17, at the park.

The heart of the master plan is the preservation of traditional heritage and usage, such as hunting and fishing, while creating new recreational opportunities, according to Karen Leslie, project manager for TPWD.

A landscape architecture team from the University of Texas at Arlington (UTA) has been funded through the Caddo Lake Initiative to investigate ways to protect existing facilities at the 50-year-old park, including Civilian Conservation Corps (CCC) constructed structures, while accommodating increased visitation expected in future years.

"That's what makes this project unique," Leslie said. "We have an established, high-profile park in place at Caddo Lake. However, with the recent acquisition of the adjoining 7,000-acre wildlife management area and the international attention generated by its designation as a Ramsar wetlands site, we felt obligated to explore ways to protect what's in place and manage this Texas treasure for the future."

The UTA team is being guided by

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## Caddo forum Aug. 17

Texas Parks and Wildlife Department officials directing a planning project for Caddo Lake State Park and Wildlife Management Area will hold a forum at 7 p.m. Thursday, Aug. 17 at the park.

The heart of the master plan is the preservation of traditional heritage and usage, such as hunting and fishing, while creating new recreational opportunities, according to Karen Leslie, project planner for TPWD.

A landscape architecture team from the University of Texas at Arlington (UTA) has been funded through the Caddo Lake Initiative to investigate ways to protect existing facilities at the park, including Civilian Conservation Corps (CCC) constructed structures, while accommodating increased visitation expected in future years.

"That's what makes this project so unique," Leslie said. "We have an established, high-profile park in place at Caddo Lake. However, with the recent acquisition of the adjoining 7,000-acre wildlife management area and the international attention generated by its designation as a Ramsar wetlands site, we felt obligated to explore ways to protect what's in place and manage this Texas treasure for the future."

The UTA team is being guided by input from TPWD officials, a local review committee and public input. The team has focused on the original 450-acre park as the primary access point to the new acreage, with a few access or service points on the perimeter of the new wildlife management area.

So far, researchers have considered at least three phases of potential development, ranging from well-designed primitive camping on the new acreage to increased CCC-style cabins or centralized lodging on the original site. Some of the facilities could be developed through concession arrangements which would encourage public and private funding to achieve park goals. Whether or not more intensive development would occur would depend on future demand and decisions by state officials.

Park planners have noted that phasing of development is aimed

See Caddo/3A

WEDNESDAY

August 2, 1995

### Caddo

*Continued from 1A*

at increasing the park's tourist "holding power," which is the ability of recreation sites to hold an existing tourist for a day or two beyond their normal stay. A recent U.S. Army Corps of Engineers report indicates tourists to Jefferson who are likely to be interested in extended exposure to Caddo Lake but currently do not find ample means of experiencing the park, spend \$320 for a 2 1/2-day stay in the area. Any visitor who stays another half day or full day to tour Caddo Lake is apt to spend an additional \$40-50, respectively, said Harrison County Commissioner James Mooney.

The conceptual plan review committee is interested in receiving comments and suggestions from interested persons while the process is still in the early stages. Comments can be directed to the committee by writing Karen Leslie, TPWD, P.O. Box 4655, SFA Station, Nacogdoches, Texas 75962, or by calling her at 409-564-7145.

### Editorial

## Proposition 2 speaks to local responsibilities

**Issue:**  
Flood control in Marshall.

**Opinion:**  
Proposal will address important aspects.

**P**ublic works officials for the City of Marshall estimate they could spend \$1.4 million to fix flooding and high-water problems around town.

Proposition 2 on Saturday's bond issue election ballot is not so ambitious, but represents \$350,000 in high-priority projects designated by the Marshall City Commission. We think that the proposed use of the money will give homeowners help, improve safety at one point on South Washington, and ease a major annoyance for motorists near U.S. 59 and U.S. 80. Therefore, Proposition 2 should be approved by voters.

The lion's share of Proposition 2 is \$180,000 designated for larger culverts on Georgetown Road, and excavation and realignment of a channel downstream from Texas 43 to Rosborough Springs Road. The Georgetown Road area, one of the lower elevations in South Marshall, is affected by flooding with every major storm. Homes and businesses in the area deserve the relief that approval of the proposition will mean.

About \$75,000 will be used to enlarge the Cox Creek Bridge and the box culverts on South Washington at the Pecan Ridge Subdivision. This is a good time for this work to be done since population and activity on South Washington is growing.

The city also wants to use \$95,000 for flood control work on Parker Creek near the intersection of U.S. 59 and U.S. 80—the city's busy crossroad that experiences frequent flooding. Clearing out the silted creek and replacing concrete lining will speed up evacuation of water from the area.

Proposition 2 isn't a "sexy" issue on the ballot but it does speak to a very basic issue of city government, and that's to make sure the homes of residents don't flood, and that people can safely travel from one part of town to another.

# Opposition to lake plans will be heard

GAIL K BEIL  
News Messenger

KARNACK — Some opposition will be expressed at tonight's public hearing to any plans Texas Parks and Wildlife Department has for improving and expanding Caddo Lake State Park and the accompanying 7,000-acre wildlife management area.

Texas Parks and Wildlife Department and the University of Texas at Arlington are unveiling a concept UTA has developed for the park and management area.

As far as Barry Bennick is concerned, anything beyond "restoration of decaying trail heads, historical structures and traditional park attractions such as hiking trails" would be "a socialistic intrusion into the private sector by Texas Parks and Wildlife." He made the statement in a news release faxed to area news media Wednesday.

Bennick was unavailable for comment, but his wife said that the two want to build a conference center and more lodging at their bed and breakfast, Pine Needle Lodge. They currently sell and rent canoes and offer "a full-line canoe shop."

Bennick claims to have organized a group called, "Caddo Lake Association of Lake Dependent Businesses." The only other name on a press release Bennick circulated is Big Pines Lodge owner George Williamson.

"I can't tell you who the members are," Williamson said. "You know how things are down here, it's just sort of casual." He said Big Pines Lodge benefited from Caddo Lake State Park.

His only concern, he said, was the proliferation of "mini-parks or canoeists."

"You have to wonder if they're going to restrict the hunters and fishermen," he said.

Williamson spoke of six possible parks within the 7,000-acre wildlife management area which

## Caddo hearing

When: 7 p.m. tonight.

What: Public hearing on Caddo Lake State Park improvement and expansion.

Where: Recreation lodge, Caddo Lake State Park.

Who: Among those attending include Texas Parks and Wildlife Executive Director Andy Sansom, and Jim Neil and Karen Leslie. Also members of the University of Texas at Arlington architectural team. The meeting will be chaired by Ruth Culver of Uncertain Audubon Society.

are conceived to offer parking spaces, a CCC-style trail head, restrooms and a canoe launch. Two of the six could offer primitive camping.

The Bennicks also expressed distress that TPW planned on renovating a home on Caddo Lake donated to the park by Father Ben Comisky and his family. They think it be cheaper for the state to promote lodges and bed and breakfasts opening in the most desirable sites on the lake.

That's not the opinion of one bed and breakfast owner. Spatierdock bed and breakfast can sleep seven, said owner Dottie Russell. "I feel like we're talking about two different things," Russell said. Spatierdock stays full on weekends, but is not so busy weekdays.

"Anything that benefits Caddo Lake State Park benefits all of us," she said.

The Russells said they were approached by Bennick, but chose not to get involved.

At the present, Caddo Lake State Park offers nine cabins, eight full hook ups for RVs, and several types of camping sites.

See Caddo/3

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THURSDAY

August 17, 1995

## Caddo

Continued from 1

According to Park Ranger Rick Hughes, the cabins cost from \$40 to \$60 per night, depending on size. Caddo Lake bed and breakfasts usually charge \$85 per night, though a couple are a little less.

There are many more calls for lodging in the park than are available, Hughes said. "We tell people there are bed and breakfasts and fishing camps on the lake and hotels on I-20 in Marshall, but we don't recommend any specific one," he said.

No food is sold in the park, but a small grocery is just outside the gate. As to restaurants, Hughes said rangers are asked often to recommend "the best place to eat fish."

"We tell them there are lots of fish restaurants — Big Pines Lodge, Waterfront Marina, Catfish Cottage, Crips Camp, Shady Glade — but we don't recommend any one specifically," Hughes said.

The Bennicks say they are especially concerned about plans

TPW may have for building a lodge and convention center. Karen Leslie, TPW project manager, said a lodge has been talked about but is not on the plans to be presented at Caddo Lake State Park tonight. "There are some positive things to say about adding cabins or adding a lodge," Leslie said. But TPW doesn't have to build or operate it, she said. "There is nothing to prevent a company from saying, 'We want to build you a lodge.'"

Operation of private enterprises on public land is a direction TPW Executive Director Andy Sansom wants to take Texas parks. In fact, the Bennick's only competition, Caddo Canoe Rentals, located in the park, is owned and operated by David Lomax.

NEWS MESSENGER  
**WEDNESDAY**  
August, 16, 1995

## Plan adds new areas to Caddo State park

AIL K BEIL  
News Messenger

KARNACK — The first look at a conceptual plan designed by the University of Texas at Arlington to protect Caddo Lake State Park and its 7,000-acre wildlife management area will be reviewed by the public Thursday night.

The plan, commissioned by Texas Parks and Wildlife Department, adds a series of mini-parks on the perimeter of the wildlife management area, added to the 150-acre park in 1993. They are designed to provide public access to Caddo Lake for hunters and men, as well as for non-national users — hikers, bird watchers, campers and others

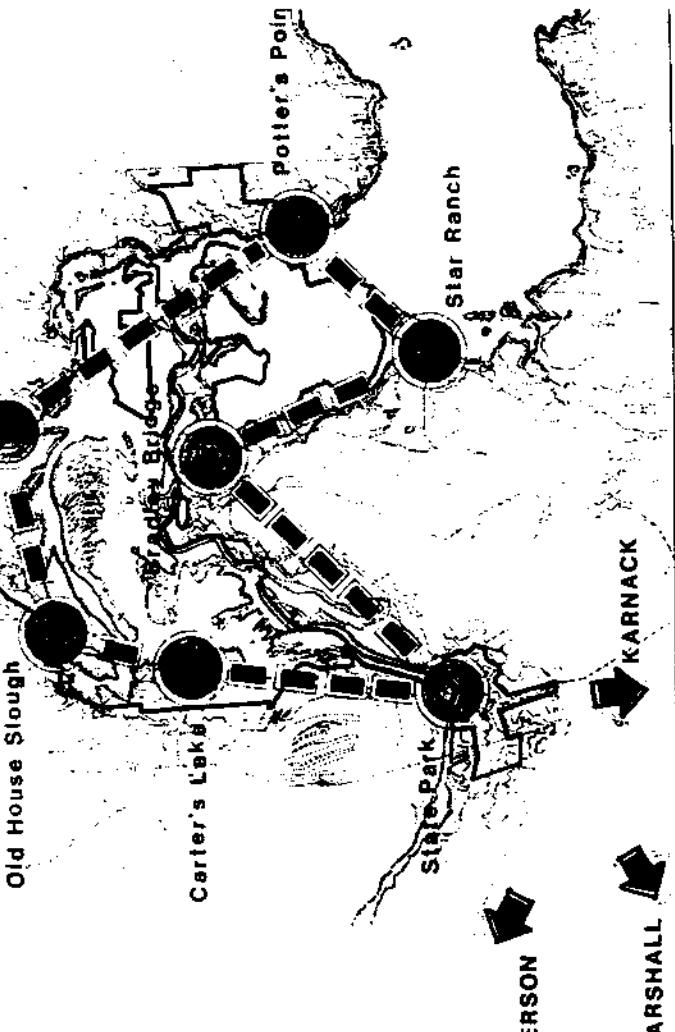
wanting to add Caddo Lake to their nature-tourism experience.

The plan also provides for updating the treasures of the original park, completed in 1939 by the Civilian Conservation Corps. Many CCC facilities are still being used, and the UTA plan addresses their stabilization and restoration.

The Ramsar Treaty designation, naming Caddo Lake one of 13 wetlands of international significance in the United States, has already begun to draw visitors in a growing niche of Texas tourism — the ecotourist.

"The Ramsar designation has been a part of the team preparing the agency's plan," said semi-project leader Karen Leslie, day m.

"They will come to them at Caddo/5A



**AIL K BEIL** — Part of the plan to be presented by Texas Parks and Wildlife and the University of Texas at Arlington will include six small parks shown on this map which could be added in the 7,000-acre wildlife management area purchase two years ago. The public gets a chance to see and hear about the plans and comment on them at 7 p.m. Thursday at Caddo Lake State Park.

**Continued from 1A**

significance of the state's largest inland cypress swamp. Natural-based tourism is an economic and environmental strategy that provides local communities with economic development that conforms to this unique ecological area.

**Jefferson Jimplecute**

Thursday, August 17, 1995 - 9

## Proposed plan seeks to upgrade Caddo facilities

Spanish moss-covered bald cypress frame the myriad swamps that identify Caddo Lake State Park and Wildlife Management Area to recreational users and a variety of wildlife, including waterfowl. Now, thanks to a grassroots effort of local citizens, Texas Parks and Wildlife Department (TPWD) and the University of Texas at Arlington (UTA), this mystical natural wonder has gained a conceptual plan to protect its future.

The team has focused on the original 450-acre Caddo Lake State Park as the primary access point into the recently acquired 7,000-acre Wildlife Management Area addition. A few access, or service, points on the perimeter of the new acreage could provide much needed public access onto Caddo Lake for hunters and fishermen, as well as for non-traditional users such as hikers, birders and campers.

The plan improves public access and will over time increase economic benefits not only for the park, but for the local area. A series of mini-parks would offer the local resident, recreational user and ecotourist the opportunity to experience the natural wonders of Caddo Lake on a day visit or extended stay basis. The mini-park concept will also help to disperse the users throughout the swamp area, providing for a unique wilderness type experience.

The plan also provides for updating the treasures of the Texas State Park System that were developed by the Civilian Conservation Corps over 60 years ago at Caddo Lake State Park, many of which are still being

utilized today. Stabilization and restoration of these facilities preserves an era of national significance.

Planners anticipate a growing new breed of visitor to Caddo Lake State Park and Wildlife Management Area - tabbed ecotourists - who may be drawn to this secluded area of Northeast Texas just to revel in the natural splendor. A recent designation as a "Wetland of International Importance especially for Waterfowl Habitat" under the Ramsar Treaty (one of only 13 nationwide) is expected to be one of Caddo Lake State Park and Wildlife Management Area's drawing cards of ecotourism.

According to TPWD project leader Karen Leslie, "The designation has and will continue to bring visitors from across the world to learn and appreciate the significance of the state's largest inland cypress swamp. Nature-based tourism is an economic and environmental strategy that provides local communities the method of economic development that conforms to this unique ecological area."

Due to costs associated with the proposed plan, which is scheduled for presentation to the public on Aug. 17 at 7 p.m. at the park, planners anticipate phasing the development over time.



CADDY LAKE — IN DANGER OF BEING LOVED TO DEATH — Texas Parks and Wildlife Executive Director Andy Sansom, left, explains the purpose of Thursday night's public meeting on future plans for the old 450-acre Caddo State Park and the 1992 addition of 7,000 acres in the lake

itself. Marshall Jones, right, who conducted the meeting at the park in his capacity as co-chairman of the 10-person CLSP advisory committee, fielded more than two hours of questions from a packed house. (PHOTO BY GENE POWERS)

NEWS MESSENGER

FRIDAY, AUGUST 18, 1995

## Caddo

Continued from 1A

tion president John Echoes asked about adding another access to Caddo Lake State Park. "You've got a disaster waiting to happen. If you ever had a fire you have only one entrance into the park."

Linda Robinson, whose five acres of land at Carter Lake is surrounded by the park, was concerned about boat road markers and about the Marion County-maintained narrow road which would provide the only access to one of six mini-parks planned by the UTA team.

"The primary access to the Carter Lake mini-park would be by boat," Jones said. The only improvements at that particular park would be a shelter from the weather and restrooms.

Pete Grant, who operates one of the larger bed and breakfasts on the lake, was concerned about restrooms. "I've been listening to this for nearly two hours and I haven't heard one word about sewage problems," he said. ("UTA Bureau of Reclamation said Caddo Lake has one of the highest coliform levels in the state and this soil is not suitable for septic tanks.")

Harwood said that UTA's plans include connecting the state park to the sewage plant at Longhorn Army Ammunition Plant. The park

# Meeting addresses plans for Caddo Lake State Park

GAIL K. BEIL  
News Messenger

KARNACK — The lodge at Caddo Lake State Park was packed Thursday night with people wanting to know what landscape architect Randle Harwood and his crew have planned for the park and its 7,000-acre wildlife management area.

There were many questions about the plans and several suggestions for other things the public wants considered. All were duly noted by Harwood's University of Texas at Arlington team.

Texas Parks and Wildlife Executive Director Andy Sansom was in the audience. Thursday's presentation was his first view of the landscape architect's plans. "This meeting is not about land acquisition, that is basically complete," he said. "It's also not a plan about any change in the traditional uses of Caddo Lake, including hunting and fishing."

What the meeting was about was the best way to keep Caddo Lake from being loved to death, Sansom said. It was a sentiment expressed by many people who

spoke at the meeting. Many of them began their comments with, "I have lived on this lake for..." years that were usually in double digits.

Dr. Pat Taylor, department

sonally believe it is one of the most beautiful places in the world."

Many of the old timers would like the secret kept. Even Marshall Jones, who chairs the park's

If I had my way, I'd put a fence around Caddo Lake and I would be the only one on it, but the people are coming and we had better plan for them.

— Marshall Jones  
Caddo Lake State Park  
citizen advisory committee

head of landscape architecture at UTA, began the meeting with an illumination of Caddo Lake's future. "There has been a 20 percent growth in overnight visitors since 1992," he said. "In a good plan the demand of the resource has to be balanced with the needs of users and of management," he said.

Taylor said he considered Caddo Lake to be one of the state's best kept secrets. "I per-

sonally believe it is one of the most beautiful places in the world."

"If I had my way, I guess I would put a fence around the whole lake and I would be the only one I would let through the gate. But the people are coming and we had better plan for them," he said.

Greater Caddo Lake Associa-

See Caddo/6A

## Projects depend on funding

The completion of plans for Caddo Lake plans depend on available funding — and nobody talked about where the money would come from at a public meeting held Thursday.

The first priority is plans for the Caddo State Park is the repair and preservation of the 60-year-old Civilian Conservation Corps structures, trails and bridges.

Other plans include six mini-parks on the periphery of the wildlife management area. Three, Bradley Bridge, Potters Point, and Old House Slough, will offer hiking trails and two would (not Potter's Point) allow primitive camping in addition to the shelter, restroom facilities and picnic areas offered by all six. The other two parks are being considered for Star Ranch and Carter's

See Projects/6A

has just put in a new septic system.

Jeanene Boswell, who lives on Potters Point, expressed concern with cypress trees that appear to be dead or dying.

TPW specialist Jim Neil said the problem will be monitored and that it could be two-fold. An extremely wet spring followed by a hot, dry summer could be part of the problem, as could a insect called a leaf roller which will defoliate but usually not kill the trees. "The National Biological Service is working with the trees," he said.

Lake resident O.B. Ross wanted to know what will be done to take care of present structures, and if park vendors and lake guides could be regulated or bonded.

"The first priority is preservation and repair of the historic CCC (Civilian Conservation Corps) structures in the park," Jones said. "We may not get much beyond that if the money isn't available."

Photographer True Redd expressed concern for the esthetics. "I'm concerned that Mill Pond could be bastardized by your plans for a boardwalk. Please pay as much attention to what the shore looks like from the lake."

## Projects

Continued from 1A

Lake.

Included in the plans are a boardwalk into Saw Mill Pond with handicapped access, two observation towers — at Potters Point and in the original park — for bird and wildlife watching and star gazing, and ten platforms in the wildlife management area for the same thing.

Far down the road, said architect Randle Harwood, would be additional cabins and a lodge. Those could be owned and operated by private individuals as well as by the park itself, according to Andy Sansom, Texas Parks and Wildlife executive director

money, the Cypress Valley Navigation district is upgrading all boat road markers and preparing new maps of the lake.

As to funding, Sansom said that TPW receives no money from the general funds of the State of Texas. Its funding is all user fees, Sansom said. The money comes from excise taxes on ammunition and hunting and fishing equipment, fishing and hunting licenses and park user fees and franchises.

Staff members of Texas Parks and Wildlife are trying to make the plans and drawings available for viewing and comments soon.

FRIDAY, APRIL 21, 1995

# Alliance draws up budget plans

MARY ANN PARKER  
*Correspondent*

JEFFERSON--Despite not having any money in hand or employees on the payroll, budgeting and personnel decisions were the focus of Thursday's Cypress Valley Alliance meeting in Jefferson.

The board began to discuss budgeting of the approximately \$140,000 it will receive from federal and state agencies. The Bureau of Reclamation has committed to provide \$75,000; the U.S. Army Corps of Engineers \$50,000; and Texas Parks and Wildlife Department \$16,500.

All funds will be disbursed through TPWD, which will retain an administrative fee, the amount of which is unknown at this time.

The monies committed by TPWD are part of the \$50,000 it agreed to return for the benefit of Marion County to offset removal from the tax rolls of several thousand acres of land at Caddo Lake, thereby reducing tax revenues for the

county.

The promised funds are due to arrive in Alliance coffers "sometime after Monday," according to Carol Harrell, president. These funds are earmarked to furnish an office, hire an executive director, provide supplies and necessary services.

After the 1995 fiscal year, the executive director will have to generate enough funds to continue his salary, as there are no more guaranteed monies available.

Roughly 60 applicants have expressed interest in the executive director's position, which carries a salary of approximately \$35,000. The board assessed skills which are most important to them and concluded the successful applicant must possess "people skills, fund raising and grant writing, management skills and experience with budgeting, and knowledge of Texas culture."

The board will begin sifting through the applications and hopes to begin the interviewing process at the end of May.



TUESDAY, SEPTEMBER 19, 1995

## OCALNEWS

# Tour boat operators plead with CVND for tougher safety measures on Caddo

GAIL K BEIL  
News Messenger

to the CVND for relief, they said, after discussions with other tour boat operators.

"The madhouse of wet bikes zooming around is completely at odds with the goals of the Nature Conservancy, the Texas Parks and Wildlife management area and eco-tourism," Caddo Lake is no longer a quiet retreat. Many fishermen don't come here anymore, and tourists seeking environmentally sensitive areas will go elsewhere after a dose of wetbike mania," McMillen and Palmore's letter said.

"We respect any person's right to operate a boat," wrote Jim McMillen, who along with Lexie Palmore, operates the Graceful Ghost paddlewheeler. "But so many wetbike riders have a complete lack of common sense, sanity or regard for the rights and safety of others."

Palmore and McMillen came

to the CVND for relief, they said, after discussions with other tour boat operators.

"The madhouse of wet bikes zooming around is completely at odds with the goals of the Nature Conservancy, the Texas Parks and Wildlife management area and eco-tourism," Caddo Lake is no longer a quiet retreat. Many fishermen don't come here anymore, and tourists seeking environmentally sensitive areas will go elsewhere after a dose of wetbike mania," McMillen and Palmore's letter said.

"They do donuts around boats, despite TPW regulations that state, 'it shall be unlawful for any person to operate personal watercraft except at headway speed (no wake) within 50 feet of another vessel, platform, person, object or shore.'"

Palmore and McMillen came

Capt. Wes Clogston, regional director of Texas Parks and Wildlife game wardens, was in the audience. He told the CVND board and several guests that one of the biggest problems is that most of the violators are under 17 — many under 13 — and game wardens cannot issue citations against juveniles.

"All we can do is send them to the shore and the minute we're gone they're out again."

Clogston said even though the law states that no one under 13 can operate any type of motorized vessel and between 13 and 16, the juvenile operator must be in the company of someone over 18, enforcement is impossible.

"We can give them a ticket as a juvenile — that's all. It goes in a file."

Gov. George Bush is pushing to do something about the gap in the law, Clogston said. Juveniles cannot be cited and fined for traffic violations and liquor law violations. They fell through the cracks when it came to water safety and game-related violations.

Only state legislation could outlaw them from Caddo Lake altogether, Clogston said. However, the CVND may be able to regulate their speed and the areas where they are allowed. CVND chairman Duke DeWare has appointed a committee to bring recommendations to a future meeting.

"We can give them a ticket as a juvenile — that's all. It goes in a file."

## Editorial

# Priming the pump for Caddo Lake

**Issue:**

*The golden goose that is Caddo Lake.*

**Opinion:**

*Everyone benefits from publicity.*

**I**t's always amazing when the Golden Goose gets threatened with slaughter. There is always somebody who isn't willing to wait around for the golden eggs. He wants to knock off the goose because he thinks by doing so he can get the eggs faster.

That in mind, any thoughtful person would have found amusement last Thursday at the Caddo Lake State Park public hearing on its possible improvements. A couple of the private business owners on the lake got up and complained about "unfair competition" from Texas Parks and Wildlife and Caddo Lake State Park.

For example, one lodge owner called any addition to the nine cabins available at the park itself "socialism."

"We only get the leavings after they are full," he said. Then he went on to complain about the "unfair competition" from an organization "which has its own magazine and doesn't have to pay taxes."

Now get real. The cabins at the park are filled up three months in advance. They would be filled up a year in advance if the park took reservations that far ahead. And guess where the referrals go when those few spaces are full?

There are no grocery stores, restaurants, bait shops or bed and breakfasts in the park. Where do park rangers refer people looking for something a little fancier than a park cabin or needing fresh milk, live worms or a good catfish dinner?

Any true entrepreneur recognizes that every article about Caddo Lake in "Texas Parks and Wildlife" magazine benefits him or her directly. Any article about Caddo Lake State Park in a major newspaper or magazine does the same. If you don't think so, look at the numbers after an article about Caddo Lake appears. Increased visitation can be directly traced directly to the source of an article. A news story in the *Dallas Morning News*, *Fort Worth Star-Telegram* or *Houston Chronicle* means immediate business from Dallas, Fort Worth or Houston.

The day some bait shop or canoe rental place can place a \$15,000 to \$30,000 full-page ad in any one of the state's major newspapers or magazines is the day after the owners won the Texas Lottery. But that's the value of an article about Caddo Lake State Park — and their businesses — in any one of the publications.

Marshall Jones, co-chairman of the Caddo Lake State Park advisory committee, offered an analogy. "Don't threaten to close the library and think your book store will benefit," he said.

The same thing goes for starving the Golden Goose.

# Cypress Valley Alliance expects announcement on center funding

**SHARON WILLIS**  
Correspondent

**JEFFERSON** — The Cypress Valley Alliance expects to hear an announcement next week on a federal allocation of \$2 million for a visitor resource center in Jefferson.

The alliance met this week for its board meeting since the new executive director, Randy Moir, took over the reins.

During the meeting Duke DeWare, secretary/treasurer, said he expects U.S. Rep. Jim Chapman to announce the allocation.

In addition, Moir is working on applications for other grants, such as one to make a pedestrian bridge out of the old railroad bridge over Cypress Bayou in Jefferson.

Moir discussed his work on a master plan for the Cypress Valley Water-

shed's development, which includes the resource center, taking into consideration all the plans and studies that have been done since Chapman announced the Caddo Lake Initiative.

The Caddo Lake Initiative, which spawned the Alliance, was conceived to study how to protect the unique environment of the watershed while at the same time identifying and providing jobs for residents. Slated to open in mid-1997, the visitors resource center will be the hub of information and education for the entire watershed. DeWare said one of the tracts of property targeted as a possible location for the resource center has unexpectedly come on the market and should be given consideration as plans progress.

Moir also showed members the CVA's first newsletter, *Cypress Valley Alliance Advisor* which will be mailed soon. It

replaces the one being published by Texas Parks and Wildlife regarding alliance activities. Copies may be obtained by calling 903-665-2700.

DeWare discussed the Cypress Valley Navigation District's efforts to standardize boat road maps and repair or replace boat road markers. He said the new maps, which will reflect a unified system for both Louisiana and Texas, are expected to be completed by June 1996.

The board unanimously to provide \$1,600 for camera and video equipment to allow the executive director to document the history and activities of the alliance as it progresses.

All future meetings of the CVA Board of directors will be held on the third Tuesday of each month at 111 Vale St. in Jefferson. The next meeting will be Dec. 3. The public is invited.

## Mercury level in big fish high

**GAIL K BEIL**  
News Messenger

Don't eat many big portions of big bass or drum from Caddo Lake, Sam Rayburn, Toledo Bend and B.A. Steinhagen reservoirs in East Texas. The reason is that levels of mercury in the big bass and drum could be harmful to humans if eaten in amounts of more than two eight-ounce servings per month, or two four-ounce servings for children and pregnant women.

The warning was issued by the Texas Department of Health. It is the second time Caddo Lake has made the list. The same type warning was issued last year for Caddo Lake. It is the first time it has been issued for the other East Texas lakes.

In a press release, the Texas Commissioner of Health Dr. David Smith, said, "I want to emphasize that this advisory is a preventive measure. It does not mean that anyone

See Fish/3A

## Fish

**Continued from 1A**

who occasionally eats more fish than recommended will definitely suffer adverse effects."

Those most at risk are pregnant women and small children.

Smith and others emphasize that there is no problem with the water in the lakes involved in the warning. The drinking water is safe.

The source of the elevated mercury levels is still unknown, but is suspected to be a combination of the natural weathering of the earth's crust and from the burning of garbage and fuels and from factories that use mercury. It seems to occur most often in waters in the southeastern states, in areas of high acidity of water

and soil.

The reason bass and drum are on the list but other popular food fish such as crappie, catfish, perch, bream and carp are not has to do with the fish's eating habits. Bass and drum eat other fish. Methyl mercury, the compound found in bass and drum, is not eliminated but builds up to toxic levels for humans if they ingest too much of it.

Toxic levels of mercury can be brain-damaging. The phrase, "mad as a hatter," originated because hatters used mercury in the processing of felt for hats and absorbed it through their skin. It slowly drove them insane.

## AGRINEWS

# Thieves target Texas timber owners

KATHY HALL  
*Special to the Messenger*

**COLLEGE STATION** —

"Lady, you can sell your timber to me, or I'll steal it," the timber buyer yelled from was rejected by a Liberty County property owner. She stood firm, and the man drove away.

But those 12 words speak volumes about the situation man. East Texas timber owners are finding themselves in. They are vulnerable, and the thieves know it. They have little recourse, and the thieves know that, too.

"The thieves have been getting away with it for years," says Bruce Miles, director of the Texas Forest Service. "But, it has been escalating over the past two years because of the price of timber."

Timber prices have nearly doubled those of just four years ago. And timber theft is following its lead.

Miles says timber theft costs the timber owners in the southern region of the United States, including Texas, about \$75 million annually.

"I'm sure Texas has its fair portion of that, but I'm not going to venture a guess at this point," he says, noting that not a single county in East Texas has escaped timber theft.

As guardian of the state's forest land, the Texas Forest Service

vice recognizes this crime for what it is — theft, no matter how it's wrapped.

"There is every possible scam out there," Miles says. Many thieves start their trail of deception in the county tax office. A glance through public records can give them a wealth of information about property in that county: who owns what, where the owners live, exact property boundaries and more.

From there the thief can take a number of different paths, the most common leading to vacant property — remote places owned by people who live across two or across the nation.

"It's just too easy a target," Miles says. "It's so easy to steal something from someone who is 300 miles down the highway." In an unique Cass County case, the thief stole the timber from a 160-acre tract but left a dense stand of points around the property. The owner, who often drove past her property, didn't find the theft until she took a rare walk onto her property, Miles recalls.

Visiting your property is key to protecting it.

"Get your shadow on it regularly," says Dr. Hiram Arnold, an absentee landowner with property in Sabine County. "A convicted thief to pay the victim three to 10 times the value of stolen timber."

He has been spared from "true"

\$1,000 worth of trees in a "misunderstanding" involving a logger about three years ago. Arnold says.

"Gates won't keep anybody out but your friend," Arnold, 78, says as he stands within his fenced timber stand.

Still, gates and fences can help.

If nothing else, a single strand

of wire marking the property line keeps loggers from accidentally cutting into an adjoining tract of timber. Such boundary jumping is becoming an increasingly more common occurrence in East Texas.

"There isn't a market to sell

this stolen timber," he says, "then

people aren't going to steal timber because it's a hot, sweaty business."

Miles wants to see the Legislature follow the lead of surrounding states like Arkansas and Oklahoma, which have specific timber theft laws.

The Oklahoma statute, which became law earlier this year,

requires:

"Property owners to clearly

mark their property lines and,

when planning to have their timber cut, they must notify their neighbors 10 days before the cutting begins.

"Loggers to carry a bill of sale to the mill to show where the timber came from.

"A convicted thief to pay the

landowner shares the blame," Davis says.

Few boundary jumping incidents ever make criminal theft cases. If they did, the thief would face probation for a theft of under

\$230,000, and two to 10 years in prison and a \$10,000 fine for theft over \$20,000, says Shelby County District Attorney John R. Smith.

"But this doesn't help the victim," Smith says. "If I send them to prison, those landowners aren't going to get their money."

He wants tighter restrictions on the sale and purchase of timber.

making the buyer more accountable. Some people knowingly buy stolen timber at a lesser price, Smith says.

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people aren't going to steal timber because it's a hot, sweaty business."

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"A convicted thief to pay the

landowner shares the blame," Davis says.

Few boundary jumping incidents ever make criminal theft cases. If they did, the thief would face probation for a theft of under

the first mill," Miles says. "When it can be proven, this is an open and shut case of criminal theft."

But the line between criminal and civil law isn't clear when there is a signed contract involved, says Smith. Any semblance of a contract turns an alleged timber theft into a civil matter, he says.

It is a loophole used by scores of disreputable timber buyers and loggers. In most cases, the landowner will get a portion of the money after the sale with the buyer promising future payments that never materialize, Miles says. It is a loophole used by scores of disreputable timber buyers and loggers. In most case, the landowner will get a portion of the money after the sale with the buyer promising future payments that never materialize, Miles says.

"The way the law is written, the landowner has to take him to court," Miles says. But, it doesn't have to get that far. Knowing about timber theft is the first step to voiding it.

"I'm convinced education is our best approach until we get some better laws on the books," Miles says. And he'll speak to anyone who will listen. He even wrote a letter to the editor of dozens of papers across the state hoping to spread the word about timber that, nearly 100 people responded.

In this type of theft, the logger simply diverts some of the loaded trucks to a second mill.

The criminal part is that the landowner only sees receipts from

# The first boat to Jefferson

by Jacques Bagur

Although a ferry was operated across Cypress Bayou at the townsite of Jefferson from 1840 on, the town cannot be said to have come into existence until 1845 when the first houses for permanent residents were completed. The construction of these houses was correlated with a channel clearing project on Cypress Bayou that provided boat access to the newly emerging town and that was completed in December 1844.

Since Jefferson was conceived as a port, founded as a port, and developed as a port, the arrival of the first steamboat was a matter of considerable historical significance. Unfortunately, there is no documentation for this event. Nevertheless, the actors in the event and the date of arrival can be established with a degree of precision approaching certainty.

There are three texts written during the last century that describe the event on the basis of information provided by persons who were alive at the time. These texts say that the first steamboat to Jefferson was the "Lama" or "Llama"; that the captain was Withenbury, or Wittenberry, or Withenberry; that the pilot was George Alban; and that the event occurred in 1844 to 1845.

The name of the boat is easily resolved, for there never was a steamboat named the "Llama"; but there was a steamboat named the "Lama" that operated out of New Orleans in 1845. This boat was a sidewheeler 100 feet long by 24 feet wide weighing 68 tons and drawing 24 inches of water when unloaded.

The name of the captain is also easily resolved. William W. Withenbury was a Cincinnati resident who operated out of New Orleans from 1842 on and was a well-known captain in the Red River and Cypress Bayou trades during the 1840's and 1850's. Likewise, George Alban was a well-known pilot and captain in the same trades during the same period.

This leaves the date of arrival as

the final problem, with a strong presumption in favor of early 1845, since the debris from the channel clearing project, which was completed in December 1844, was left in-stream to be carried out by the spring rise.

The "Daily Cincinnati Gazette" indicates that construction of the "Lama" was completed at the end of September 1844 and that it departed immediately for New Orleans with W. C. Caldwell as captain. The "Daily Picayune" records that the "Lama" reached New Orleans from Cincinnati at the end of October 1844 with Caldwell as Captain.

The movements of the "Lama" can be tracked precisely in the "Daily Picayune" after it arrived in New Orleans. It took trips to Mississippi and to Lafayette, Louisiana, and by the end of July 1845 was operating out of Pensacola in the Rio Grande trade.

Since the "Lama" travelled to Mississippi with Caldwell as captain at the end of 1844, that year can be excluded as a possibility for the first trip to Jefferson. The only windows of opportunity for the "Lama" to have travelled to Jefferson were March and April 1845.

The newspapers are silent on the whereabouts of the "Lama" in March. However, it is known that it was in the vicinity of Jefferson because of a freight bill for cotton signed by Withenbury on March 23 at Smithland, only six miles downstream from Jefferson.

On April 12, the "Lama" registered at New Orleans for foreign travel and departed the same day with Withenbury as captain for Port Caddo on Cypress Bayou, which at the time was within the Republic of Texas and therefore in foreign territory.

The "Lama" could have proceeded on to Jefferson on either of these two trips, and these are the only possibilities. The choice between March and April for the first steamboat to Jefferson is resolvable because Buck Barry, the Texas Ranger and frontiersman, states in his remi-

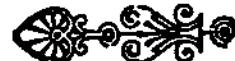
niscences that he arrived on April 12, 1845, on the second steamboat to Jefferson.

Since this was the same day on which the "Lama" departed New Orleans for Port Caddo, the March trip, which is indicated by the Smithland freight bill for the 23rd, must have been the first trip to Jefferson. In addition, since the cotton would have been picked up at Smithland on the "Lama's" downstream trip from the emerging town of Jefferson, it is highly probable that the "Lama" arrived at Jefferson on March 22, 1845.

The reason that documentary evidence for the arrival of the first steamboat to Jefferson is lacking is that there was no one living in the emerging town at the time, and the trip was illegal because the "Lama" had not obtained the appropriate papers for foreign travel.

On its upstream trip, the "Lama" was met at Shreveport by William Perry, who served as a guide through the channel that he had recently opened. At Shreveport on its downstream trip, it was "obliged to anchor out in the stream, to avoid being seized upon by the United States Commissioner for having crossed the line" into the Republic of Texas without the necessary papers.

**Editor's Note:** This is the third in a series of articles about steamboat navigation on Caddo Lake and Big Cypress Bayou by Jacques Bagur of Baton Rouge, Louisiana.



TOOKS  
MAN CALLED  
SARAH  
KATHLEEN  
BROWN

Red River raft  
benefited Jefferson

The new, small pioneer settlement of Jefferson found itself in the unique position of being able to become a major inland river port because of a freakish situation that existed in the big, muddy Red River some 30 miles to the east. This unusual natural phenomenon, which was actually an untold centuries accumulation of uprooted trees, silt, moss, vines and every other kind of debris, had formed what amounted to a thick raft. By virtue of its size, thickness and buoyant condition, it tended to serve as a kind of enormous water trap of sorts that caused the stream level of the bayou tributary on which Jefferson was located to stand at a height of eight to ten feet above where it ordinarily would have been.

From the early 1840's to the 1870's, this huge natural log jam dam enabled this "Bagdad on the Bayou," as it was sometimes called, to become the thriving river port gateway to Texas. In fact, it attained the distinction of being the state's only inland port served by the Mississippi River and its western tributaries. Other marine traffic had to enter Texas by way of ports on the Gulf of Mexico.

What happened to eventually bring all of this commercial heyday to an end is best described by a local area author, Taylor Russell, in the following direct quote from his book, "Carpetbaggers, Scalawags and Others," as follows: "In a mistaken attempt to improve the ship channel, the U.S. Corps of Engineers began to remove the great raft on Red River and this was completed in 1873. But instead of improving the channel in both Red River and Cypress Bayou, it all but destroyed it. The water level in the lake and bayou dropped about eight feet, and they soon found that the raft had been serving as a dam to hold water in the ship channel. Shipping in Jefferson became seasonal; that is, during flood times only. Finally, the water level sank lower and lower as the years passed and steamboat traffic passed into history."

TP&W presentation  
here next Tuesday.

Texas Parks and Wildlife Department presents another in the Cypress Valley Speaker Series - Texas Watch Monitoring Water Quality with Delores McCright, Associate Professor of Biology, Texarkana College, Tuesday, April 4, at 7 p.m. second floor of Murphy (Annex) Building in Jefferson.

Participants will learn how to directly participate in pollution prevention. Delores McCright will emphasize how to get involved with monitoring water quality in the area and how to help Texas and the surrounding states by participating in this project. Training procedures and the certifications process will be explained. Area Texas Watch projects will be addressed in order to coordinate regional participation. A slide show will be utilized to explain the Texas Watch program background and its goals.

Texas Watch is a network of trained volunteers and supportive partners working together to help the Texas Natural Resource Conservation Commission (TNRCC) protect Texas natural resources. Through Texas Watch, citizens are trained to collect quality-assured information which can be used to complement professional monitoring data to help protect the environment. Texas Watch works in cooperation with Clean Texas 2000, a statewide pollution reduction initiative of TNRCC and the Governor's office.

Texas Watch has three goals: to produce an environmental information that agencies, waste generators and the public need to make environmentally-sound decisions; to improve communication about the environment and environmental issues; and to resolve conflicts over environmental impacts through positive cooperation.

## The Old Powder Magazine in Jefferson

by Randall Moir

Located not too far from Jefferson's historic downtown is an unusual small building with a very unique history locally referred to as the "old confederate powder magazine." While there is a lot that we don't know about its past, the information that has been recovered by researchers over the years tells a story of unprecedented times of conflict and strife. Unlike most military powder magazines, the ones built in Jefferson were not part of a Confederate fort but served as storage facilities for military goods and munitions being moved from production facilities in East Texas to Confederate troops to the east or raw materials and damaged weapons in the reverse direction.

The only standing powder house today was one of three such structures built in 1863 forming a loose string along the south bank of Big Cypress Bayou. These buildings stored a variety of military accoutrements moving along this transportation network from leather waist belts, tin canteens, writing paper, percussion cap pouches, and cartridge boxes to gun powder and rounds of ammunition. For that reason, it is more realistic to refer to these buildings as ordnance storehouses rather than simply powder houses.

An excellent source of information on local events in East Texas during the Civil War is Albaugh's "Tyler Texas C.S.A." From this book, we learn that on July 9, 1864 military correspondence indicates that Captain F.P. Leavenworth was the Ordnance facilities in Marshall and Tyler. While there were other overland routes to the east, Jefferson was used to move goods by water.

For example, Lt. Col. G.H. Hill who

oversaw the Tyler Ordnance facilities kept a daily journal of events and correspondence. Thus, we learn that on April 18, 1864 Hill "will send out a train ... 160,000 rounds of small ammunition, 1,700 cartridge boxes, cap boxes and belts ... "from Tyler to the Shreveport Arsenal. Hill asks whether he should send them overland direct to Louisiana or via Jefferson then by water. His major concern is that Big Cypress Bayou's water level may be temporarily low due to unusual drought.

As the War grinds on, Jefferson's waterway eastward becomes more valuable to the military transportation network and Hill makes numerous references to moving goods through it. On June 6, 1864, Hill writes "I plan to send an 8 ox wagon train to Jefferson with ammunition in a few days, and want powder by return train." August 24, he writes "Please ... supply me with as many buckles for waist belts as you can spare. My wagons will call for them on their return from Jefferson."

Other entries by Hill reveal the stress, exasperation and great toll this conflict was taking on the citizens of East Texas. On October 12, 1864, Hill notes "... it is impossible to hire wagons and transportation with confederate money." On December 15, he complains "I had no transportation and ... have ... for 100 miles around this place, ... failed to hire teams ... The country around here is almost entirely destitute of wagons and mules ..."

These rare glimpses into the events of the period reveal that as resources grew scarce and wagon transport harder to obtain, Jefferson's ordnance store-

houses grew more important and its waterway more valuable. While the brick building built opposite Jefferson's water front were not constructed at the very beginning of the War, they had taken on a very strategic role in military logistical matters and from 1864 to the very end assisted the movement of materials and goods in both directions.

General Lee surrendered his Army of Northern Virginia on April 10, 1865, yet the Confederate troops in Texas continued to protect their lands until officially surrendering on May 26. The Jefferson ordnance buildings are mentioned by Hill on May 24, 1865 "... the store you have at Marshall and Jefferson, I do not think you will get ... Capt. Watkins ... reports ... that on last Monday night the Federals were in Shreveport, that the Army below has broken up - make haste and send for your ammunition."

The Jefferson ordnance storehouse is presently being submitted to the State board of Texas for consideration for nominating to the National Register of Historic Places. The role that this building served in those most trying of times relays a story that has lessons for us today. Conflicts should not be quickly engaged in and when they become the last resort, they may take a large toll of human life and resources. The "old Jefferson powder house" attests today to these tribulations of the mid 19th century.

*Editor's Note: Randall Moir is an archeologist from Frisco, Texas who has been employed by the Historic Jefferson Foundation to assist it with the nomination of this structure to the National Register of Historic Places. Mr. Moir has assisted the State of Texas and the city of Dallas with archeological surveys concerning the State Capitol grounds, Dallas Convention Center expansion and the Farmers Market in Dallas.*

## Unique gas system supplied town

If the plumber piping your new home in Jefferson happens to unearth a bunch of mysterious cast iron pipe which looks like it might be a hundred years old, there is no cause for alarm or reason to believe that some nineteenth century bootlegger operated a liquor still at the site. Chances are the old pipe was part of Jefferson's unique artificial gas system when it was in operation.

C.A. Langenstein, local plumber who operated the plant its last year, 1889, described vividly how gas for lighting purposes was manufactured very successfully, by burning rich pine in heavy iron retorts over a fur-

The gas from the retorts was stored in a large floating tank, encased in a brick casing, constituting a huge well-like plant. The plant was located near the Jefferson and Cypress Bayou Railroad, although the brick and pipe have long since succumbed to pilferage and vandalism. Mr. Langenstein said the retorts in which the pine was placed were subjected to extreme heat. The retorts were about seven feet long and tapered at one end like a jug.

Mains ran through the central part of town, opening into hollow ornamental lamp posts with glass globes on top. The burners were turned on at night and the gas was not used for cooking, Langenstein recalled.

An unusual feature of the system was a filter at the plant, made up of coils of pipe containing water. These were used to wash tar and resin from the gas tank, and the process often caused water to continue with the gas through the mains. A helper was kept busy with a huge pump, pumping water in the mains in the daytime before the gas was turned on at night.

Crude though the system might have been, it typifies the progressive spirit of Jefferson, the same spirit which placed the city on the top of the heap for a number of years.