

Lower Bois d'Arc Creek Reservoir

Status Update

November 2011

The 3 Purposes of the Reservoir

- Provide water for Fannin County
- Supplement supply for other NTMWD Member Cities and Customers
- Provide recreational opportunities like boating, fishing and camping

Lower Bois d'Arc Creek Reservoir Fannin County, TX

Area:	16,526 acres
Storage:	367,609 ac-ft
Supply:	113 MGD
Average Depth:	22 ft
Maximum Depth:	70 ft
Lake Elevation:	534 ft msl
Owner & operator:	NTMWD

(Not a USACE reservoir)



Lower Bois d'Arc Creek Reservoir

Two Major Permits Required

- ⦿ Water Rights - TCEQ
- ⦿ Section 404 - USACE

TCEQ Water Rights Application

- ⦿ Submitted - December 2006
- ⦿ Administratively Complete - June 2007
- ⦿ Interbasin Transfer Meetings - September 2007
- ⦿ Supplemental Application:
 - 401 Application (TCEQ must certify state water quality standards will be met for any Section 404 Permits) – October 2008

TCEQ Water Rights Application

Recent Activities

- TCEQ sent a Request for Information (RFI) to NTMWD on August 29, 2011 for additional information needed to complete the TCEQ's technical review of the application. NTMWD provided a response on October 12, 2011.
- NTMWD met with TCEQ on July 20, September 14, and November 1, 2011 to discuss the technical data provided in support of the application.
- NTMWD submitted the mitigation plan for the project to TCEQ on August 8, 2011.
- NTMWD submitted additional data analyses to TCEQ on August 8, 2011.
- TCEQ continues to review the technical data provided in support of the permit application.

Section 404 Permit Application

- Submitted to USACE – June 2008
- EIS Determination – March 2009
 - EIS Contractor Selected – August 2009
 - Public & Agency Scoping Meetings – December 2009

Section 404 Permit Application

● Required by USACE:

- Jurisdictional Determination Report
- Habitat Evaluation Study – Reservoir Site
- Geomorphic Assessment of Streams
- Environmental Report
- Archeological Report – (Draft in December 2011)
- EIS Report – (Draft in early 2012)

Section 404 Permit Application

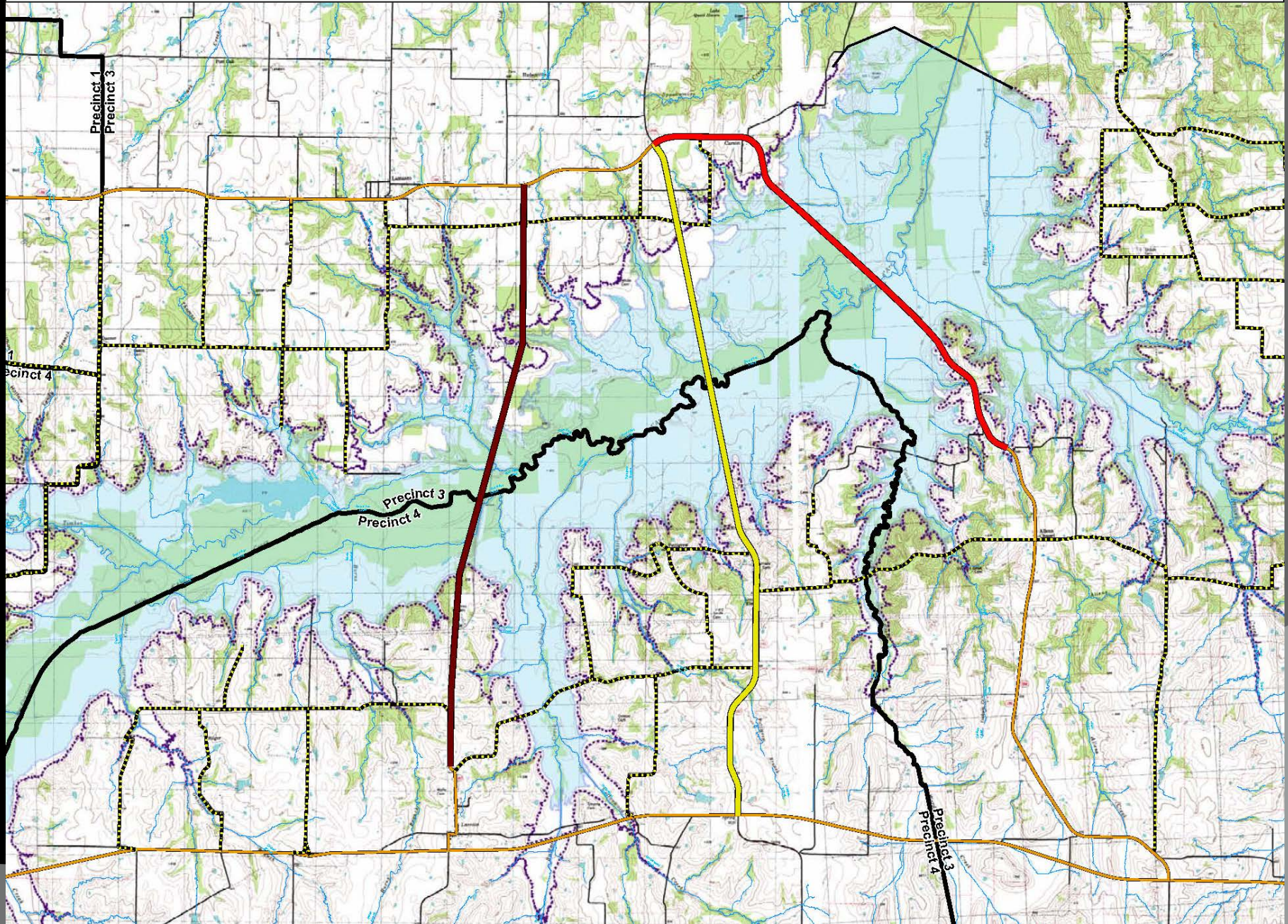
Recent Activities

- Field work for archaeological study completed in October.
- NTMWD and its consultants continue to coordinate with the Tulsa USACE and the contractor that is preparing the draft EIS, and provide additional information as requested.
- NTMWD met with the Tulsa USACE and USFS on August 8, 2011 to discuss the mitigation plan. Copies of the mitigation plan were provided to the USACE and USFS.

Other Issues

- ⦿ Impact on Local taxing authorities
- ⦿ Cemeteries relocation
- ⦿ Flooding Impact
- ⦿ Legislation granted Fannin County development control
- ⦿ Conflicts
 - Roads
 - Power lines
 - Pipelines

FM 1396 Alternatives



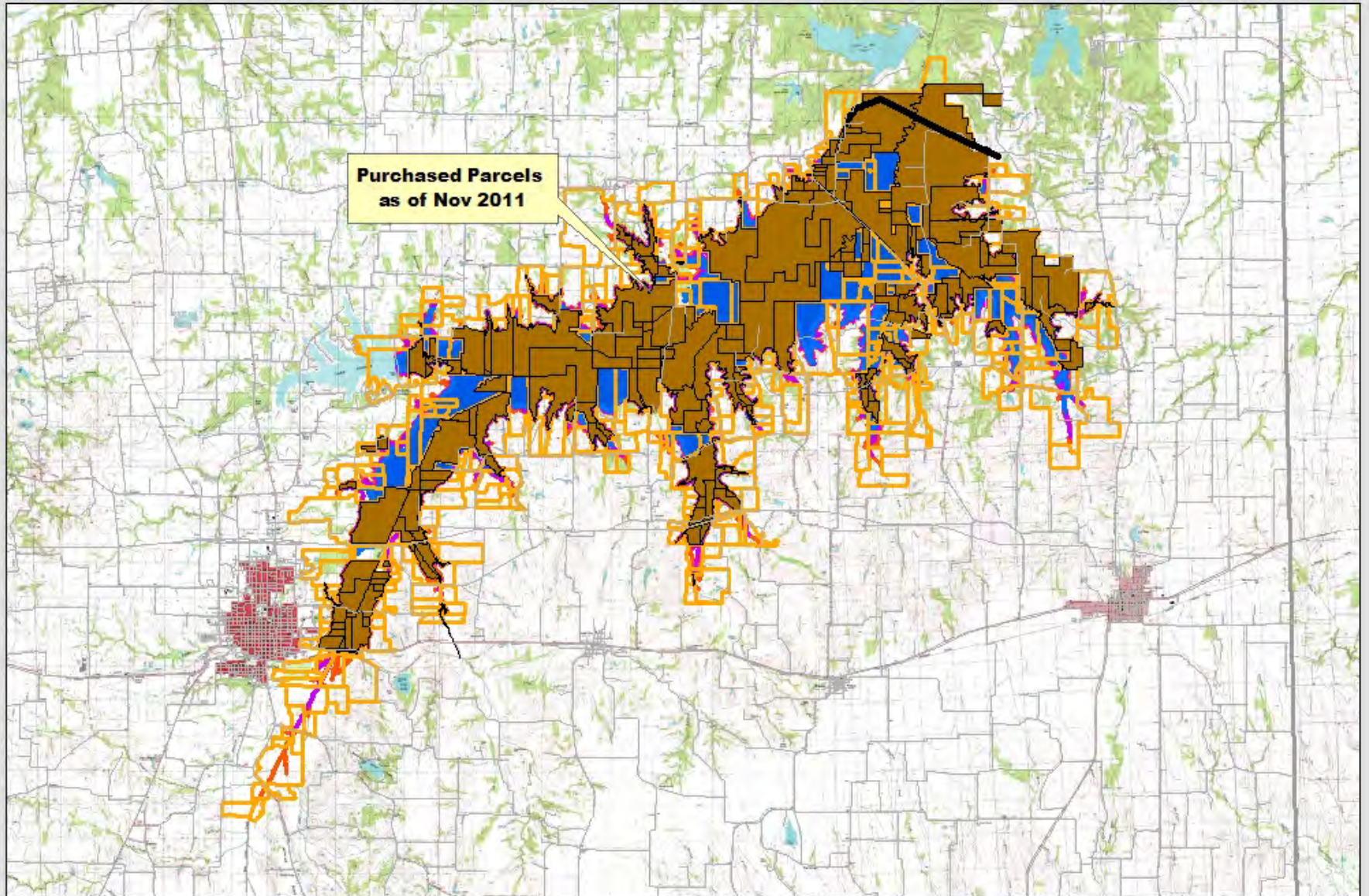
Current Cost Estimates

● Reservoir Land Cost	\$83 M
● Dam & Reservoir	82 M
● Conflicts	54 M
● Pipeline	297 M
● Pump Stations	89 M
● Terminal Storage	15 M
● Permitting & Mitigation	103 M
● Water Treatment Plant	<u>158 M</u>
● Total	\$ 881 M

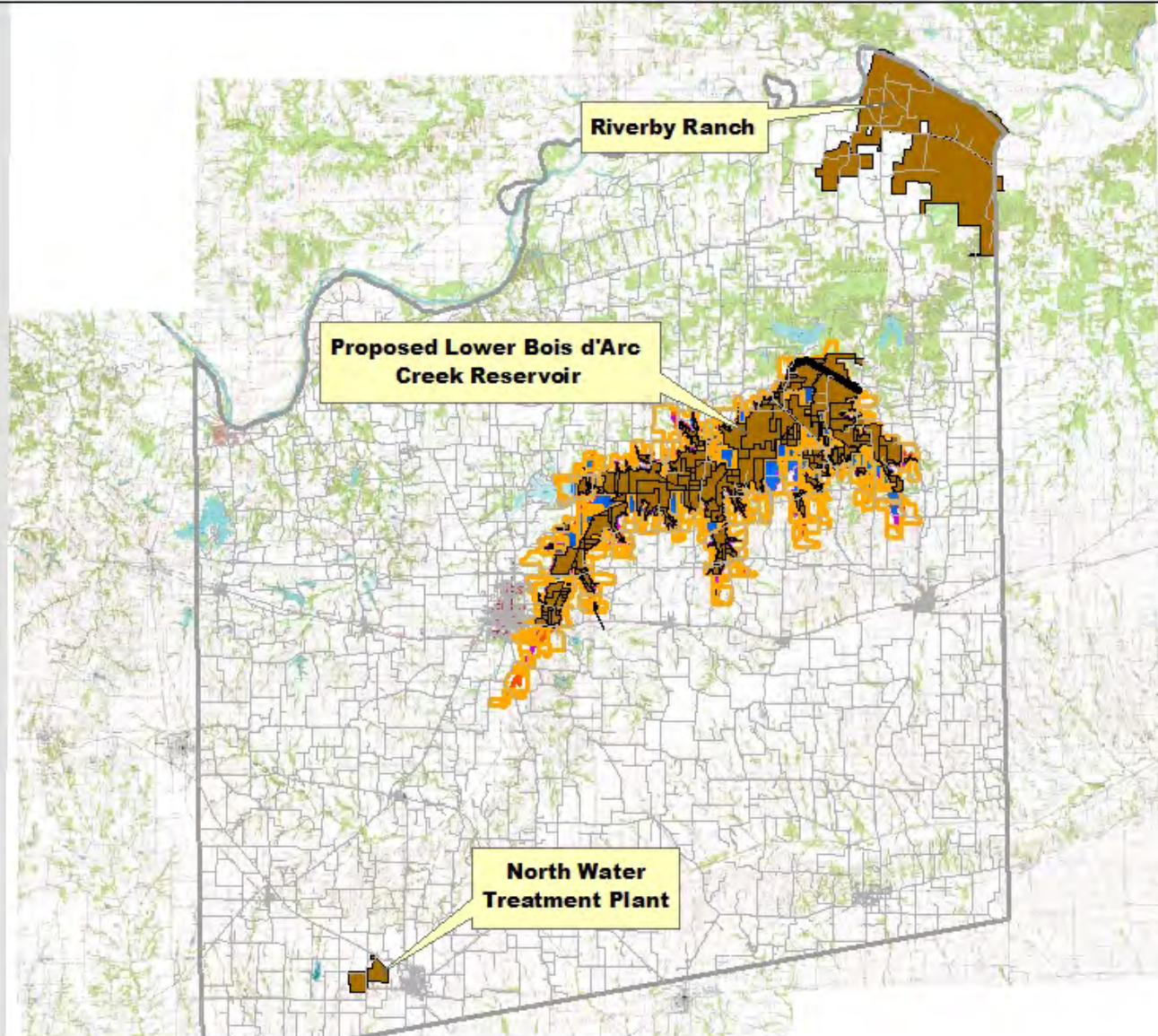
Land Acquisition

- NTMWD Board approved - November 2007
- Reservoir site land needed - 22,590 acres
- Acquisitions to date – 17,702 acres (78%)
- Riverby Ranch mitigation area - 14,959 acres
- Leonard WTP site - 661 acres

Proposed Lower Bois d'Arc Creek Reservoir Parcels



Proposed Lower Bois d'Arc Creek Reservoir Project



Future Activities

- Finalize pipeline route to Leonard WTP
- Continue meeting with TCEQ to support TCEQ's technical review of the permit application
- Continue to work with USACE and EIS contractor to provide data to complete the EIS
- Continue to meet with other state and federal agencies
- Meet with Bois d'Arc MUD
- Obtain Water Rights and Section 404 permits
- Begin design - then construction
- Resolve conflicts – including FM 1396 relocation
- Have reservoir in service by 2020

Questions