

Tulsa District Projects Impacting Federal Power

[REDACTED]

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Programs and Project Management Division

Tulsa District

22 June 2016



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US Army Corps of Engineers
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Interior Least Tern Operations and Habitat Management

- Interior Least Tern (ILT) proposed for de-listing. Timeframe uncertain. Until delisted, all Endangered Species Act requirements still apply.
- Revised Biological Opinion (BO) covering SWT, SWL, and SWPA to be provided by Fish and Wildlife Service (estimated June 2016). Need for revision primarily driven by other listed species and not ILT. Comments on revisions coordinated with SWL and SWPA.
- ILT requirements in revised BO not anticipated to be much different than those in previous version – except for implementation dates (moved out)
- Tern numbers and nesting success in action area significantly impacted by flood conditions during 2015 nesting season but required numbers are based on 5-year rolling average.
- Recent habitat creation/maintenance:
 - (1) Zink Island (Arkansas River @ Tulsa) refurbished/rebuilt Spring, 2016.
 - (2) Three new/refurbished islands created in RS Kerr pool as a result of maintenance dredging (Spring, 2016).
 - (3) Three new islands being created @ Spaniard Creek area in Webber's Falls pool.
- Aerial herbicide spraying and mechanical clearing (when needed) is conducted spring and fall on all created ILT habitat.



Arkansas River Corridor Ecosystem Restoration Study

- Feasibility Cost Share Agreement amended in May 2015
- Study is cost shared 50/50 with Tulsa County
- Scope and schedule currently 2.2M with completion in May 2018
- Fed funding of \$750k has been received to date with an additional 300K expected in 2017

Milestone Schedule

- Alternative Milestone Meeting - May 2016
- Tentatively Selected Plan - Sep 2016.
- Public/agency review of draft report Dec - Jan 2017
- Final Report - Sep 2017
- Directors report and to ASA-CW for approval - Dec 2017



Lake Eufaula Advisory Committee

- Inaugural meeting was held 7 June 2016
- Topics that were discussed
 - ▶ requirements of the committee
 - ▶ FACA process
 - ▶ Operation overview of Eufaula Lake
- Tasker from Meeting
 - ▶ Each member provide a brief of what they hope to achieve with the committee
- Committee Members include
 - ▶ [REDACTED], Southwestern Power Administration
 - ▶ [REDACTED], [REDACTED]
- USACE has 90-days from 7 June 2016 to publish the meeting minutes
 - ▶ They will be published on a website managed by GSA specifically for FACA's.
- The next meeting date or agenda has not been established.



Tenkiller Trout Fishery: DO and Releases

- Tenkiller Lake authorized purposes: flood control, hydropower
- Year round “put and take” trout fishery below Tenkiller dam but no authorization or storage to support minimum flows for trout fishery
- Historically, storage for fishery has been donated by a water supply customer (Sequoyah Fuels). This customer has now given up storage and transfer of this storage to others is proposed (but not yet approved)
- Proposed new customers have expressed willingness to continue donating storage for trout fishery until needed
- A letter report and draft water supply agreements transferring storage have been transmitted from Tulsa District to Southwestern Division for ultimate transmission to HQUSACE for approval. Status: pending.
- Low-flow piping permitting low-level releases from surge tank has been installed. Low flow valve needs replacement -- scheduled for Summer, 2016.
- S-DOX system is installed and operated (when required) by ODWC to prevent fish kills in small pool area. Has not been used to-date.



Broken Bow – Seasonal Pool Update

- Broken Bow re-allocation study identified
- water storage amount to support
- Mountain Fork Trout Fishery
- 1992 WRDA – Directed re-allocation of water for downstream fishery
- 1996 WRDA – No expense to State of Oklahoma
- 1999 WRDA – Seasonal pool plan at no expense to United States

- 2015 flood event has impacted the trout fishery. Downstream channel width has increased from high flows from project

- No funding is available for water re-allocation study effort/cultural resource mitigation



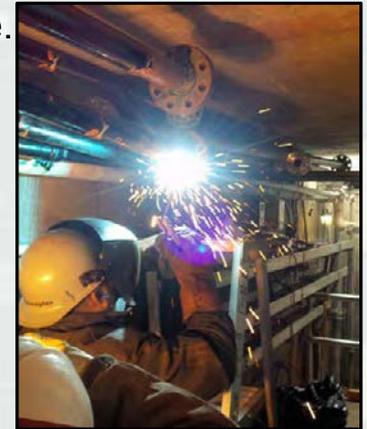
Arkansas River Navigation

- Webber Falls Lock was dewatered last year to assess damages to lower Miter Gates and develop a repair plan for execution this year. Upper Miter Gates were dewatered this spring to repair excessive leakage.
- Hydrographic multi-beam installed on new Survey Boat, included software upgrade.
- AIS units were installed for implementation of LOMA at all five Lock and Dams.



Dry-dock, Mr. Pat

- Chouteau Lock hydraulic system upgrade, replaced ~ 2000' of original hydraulic piping with stainless steel.
- M/V Mr. Pat received a major refurbishment including installation of tier three compliant diesel engines, boosting horsepower from original 1200 to 2000.
- Construction of a 50' protection cell and guide wall repairs were completed at Newt Graham Lock.
- Flood events last year left behind ~800K CY of shoaling, resulting in \$3.5M of dredging to maintain channel depth.



Chouteau Lock



Dredge Merlin McCoy, RS Kerr Lake



Guide wall and cell, Newt Graham Lock

