



TVA Update

Tennessee River Valley Association Annual Meeting

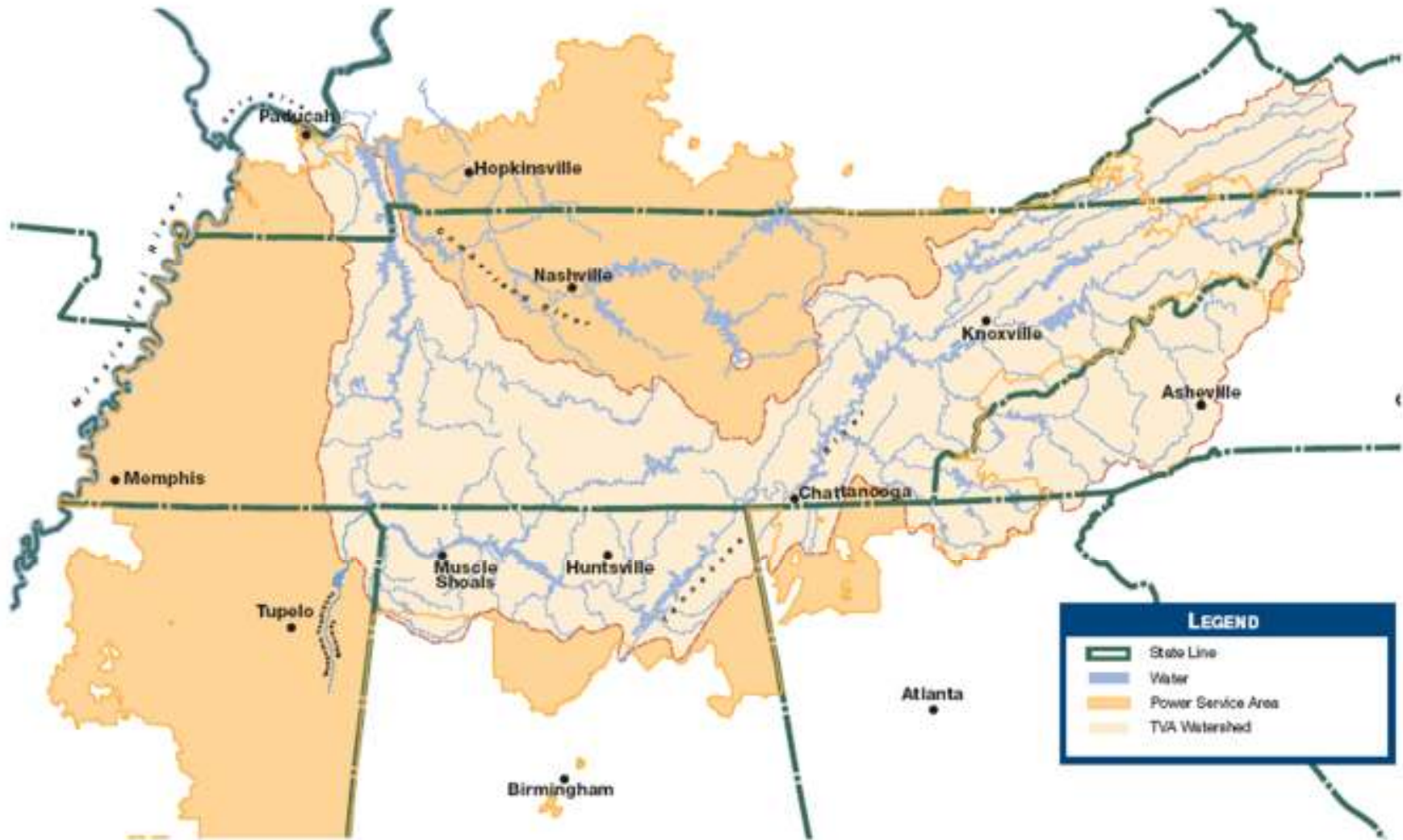
Lana D. Bean

Navigation Program Manager

October 18, 2011



Tennessee River System





Integrated River Management

Navigation



Flood damage reduction



Power production



Water supply



Water quality



Recreation





Rainfall and Runoff – Eastern Valley

CY 2011 to date:

Rainfall: 39.05 inches (1.61 inches below normal or 96 percent of normal)

Runoff: 18.62 inches (0.62 inches below normal or 97 percent of normal)



Bellefonte Update



Bellefonte

Location:

- The Bellefonte Nuclear site is located on a 1600-acre peninsula on the western shore of Guntersville Reservoir at Tennessee River Mile TRM 392, near the town of Hollywood and the city of Scottsboro in Jackson County in northeast Alabama.





Bellefonte

- In an order approved on September 29, the Nuclear Regulatory Commission extended the construction permit for unit 1 to October 2020.
- Mike Skaggs, TVA senior vice president of Nuclear Generation and Construction said they will only have one construction project active at any given time.





Bellefonte

- Bellefonte is in the engineering phase, while Watts Bar Nuclear unit 2 is in the construction phase.
- Both Bellefonte's construction permits (both units 1 and 2 have permits) are currently in the deferred plant status.





Bellefonte

- Adding a unit at Bellefonte to TVA's generation portfolio will help TVA achieve its vision to become one of the nations' leading providers of low-cost and cleaner energy by 2020. (Mike Skaggs)





Navigation Program Updates





Infrastructure / Assets

Responsibilities

- Project Management – Small Capital, O&M
- Maintain lock condition assessment
- Coordinate maintenance activities with Corps
- Point of Contact for new lock projects at Chickamauga & Kentucky

FY 2011

- Guntersville main widen walkway
- Wheeler main widen walkway
- Wheeler visitor center modifications
- Navigation light replacements
- Installed upgraded camera's at Chickamauga Lock cofferdam
- New control stands at Kentucky Lock

FY 2012

- Continue Wheeler main widen walkway
- Fort Loudoun mooring buoys
- Nickajack water pressure regulator
- Nickajack door replacement



Operations

General Responsibilities

- Coordination of non-traditional movements
(*Example*) *Sequoyah Nuclear Plant* – Four Steam Generators
- Coordination of special operations requests
- Day-to-day operational issues
- Respond to internal & stakeholder requests
- TN River Waterway Management Plan
- Regulatory – Environmental reviews, Section 26a, EA's, EIS's
- Terminal Directory -



<http://www.tva.com/river/navigation/cargo.htm>



Navigation Aids

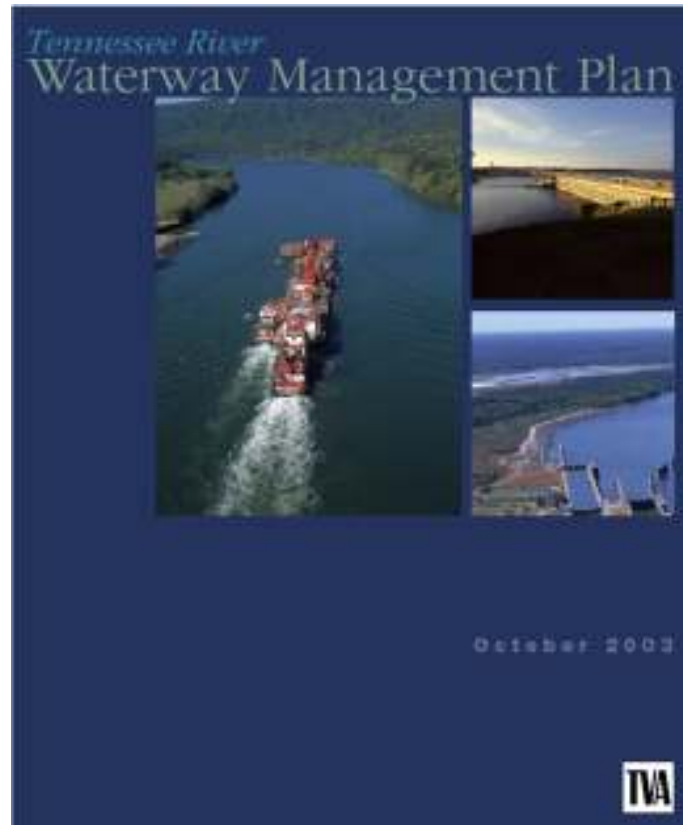


- Secondary Channels
 - M/V Sideview scheduling & maintenance
 - Over 2000 navigation aids
 - 374 miles of secondary channel
 - 2 round trips per year
 - Crew of 4
- Tributary Reservoirs
 - ~550 dayboards & hazard buoys
 - 18 reservoirs
- Navigation Aid Problem Report Online

www.tva.com/river/navigation/nav_aid_report.htm



TN River Waterway Management Plan



TVA website: <http://www.tva.com/river/navigation/howworks.htm>



TN River Waterway Management Plan

- On March 30, 2011, at a joint meeting between USACE, USCG, and industry representatives, a new committee was formed.
- The Tennessee & Cumberland River Industry Committee (TCIC) was formed.
- Mr. Joe Vancil, Manager Vessel Operations, Ingram Barge Co. was designated as the Chairman.
- Mr. Billy Poindexter accepted the position of Co-Chairman.



TN River Waterway Management Plan

- One of the primary benefits was to combine the current and forecasted river conditions along both the Cumberland and Tennessee Rivers.
- The essence is to incorporate anticipated rapidly changing river conditions by holding a conference call as often as necessary.
- Involvement is between the National Weather Service, USACE, TVA, USCG, other industry representatives.



Contact

Lana D. Bean
Program Manager, Navigation

Email: ldbean@tva.gov

Phone: 865-632-7173

Cell Phone: 865-696-8194

TVA's Navigation Webpage:
<http://www.tva.com/river/navigation/index.htm>