



# Oak Ridge Site Specific Advisory Board



## New Member Orientation



# What is ORSSAB?

ORSSAB is a volunteer citizens panel that provides independent advice and recommendations to the U.S. Department of Energy's Oak Ridge Environmental Management (EM) Program.

The EM Program is responsible for cleaning up areas of the Oak Ridge Reservation that have been contaminated with radioactive or hazardous materials.



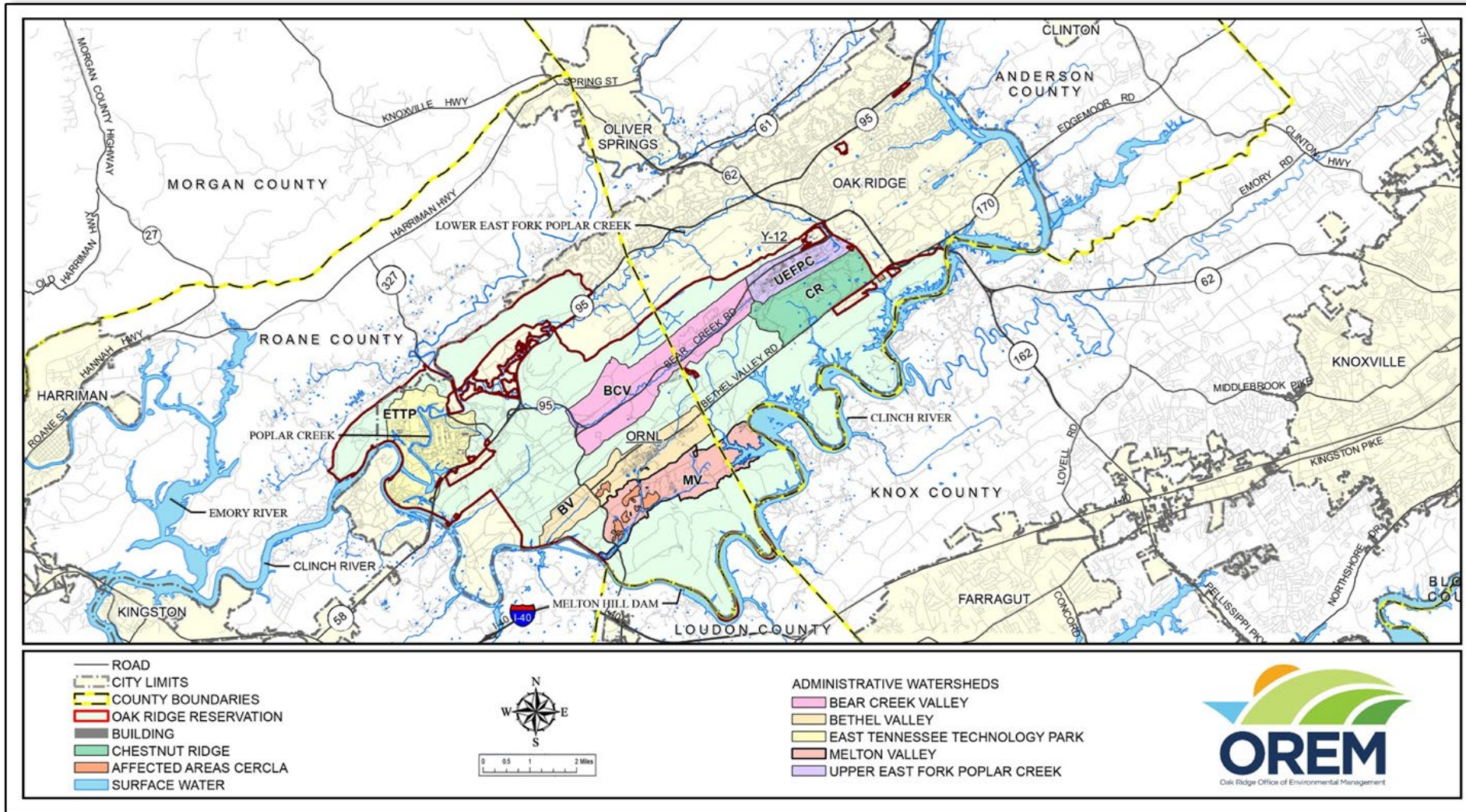
# Mission

The mission of the Oak Ridge SSAB is to provide advice and recommendations concerning site specific issues related to the DOE Environmental Management Program at the Oak Ridge Reservation.

In order to provide unbiased evaluation and recommendations on the cleanup efforts related to the Oak Ridge site, the Board seeks opportunities for input through collaborative dialogue with the communities surrounding the Oak Ridge Reservation, governmental regulators, and other stakeholders.

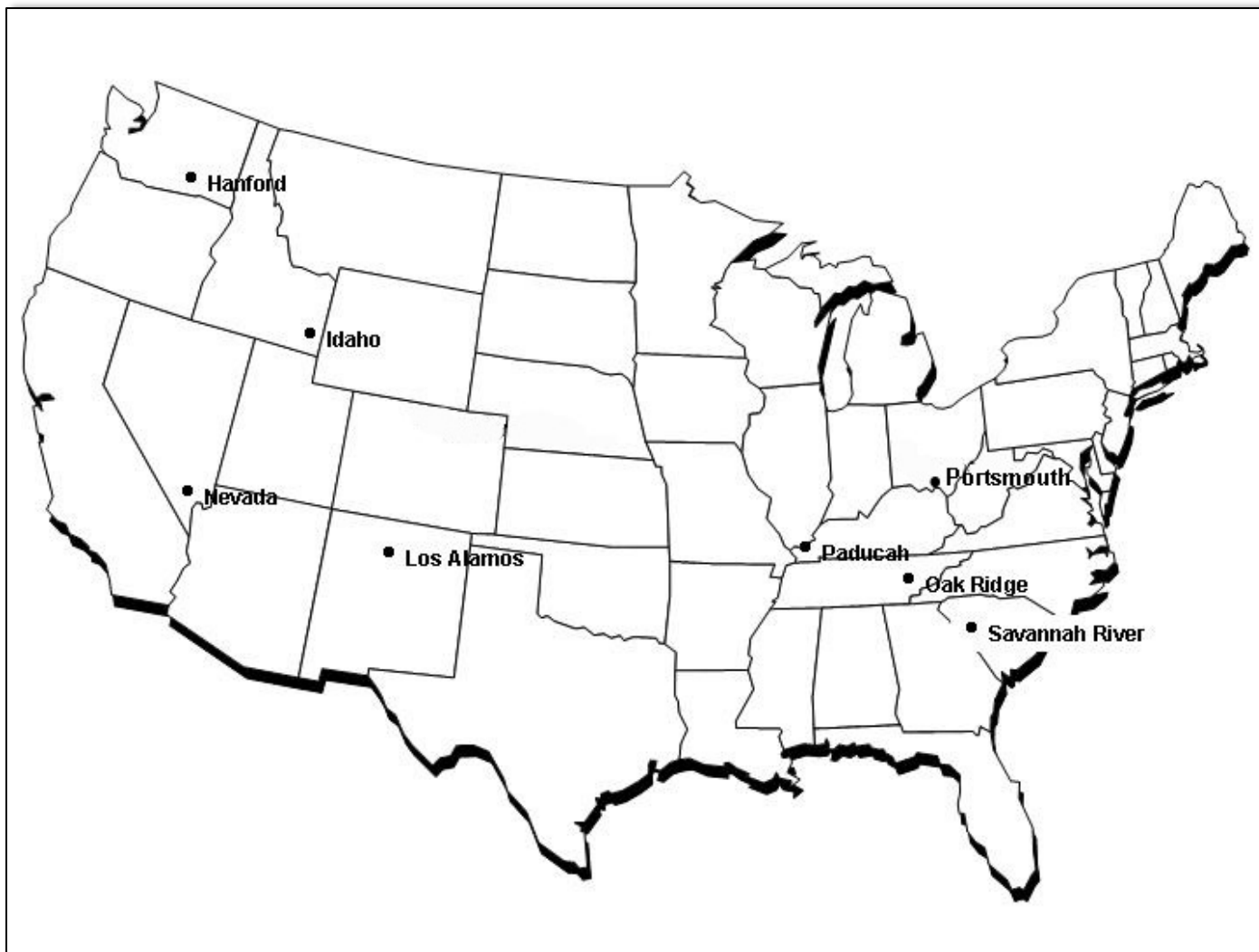


# Oak Ridge Reservation





# ORSSAB is Part of the National EMSSAB





# The Eight Local Boards

Each SSAB has its own bylaws and work plan. Representatives from each board meet to discuss common issues during the semiannual chairs meetings.





# Membership

ORSSAB can have up to 22 members, selected to reflect a diversity of interests, gender, race, and other criteria.





# Officers



Leon Shields  
Chair



Amy Jones  
Vice Chair



Shell Lohmann  
Secretary



Michael Sharpe  
EM/Stewardship Committee Chair





# Liaisons



Jay Mullis  
OREM Manager



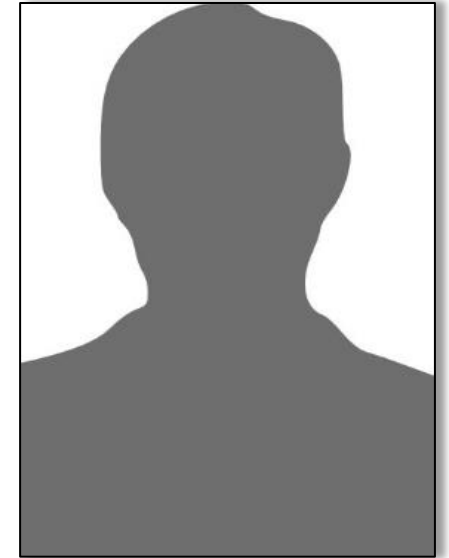
Melyssa Noe  
Alternate DDFO



Roger Petrie  
DOE Liaison



Kristof Czartoryski  
TDEC Liaison



Samantha Urquhart-Foster  
EPA Liaison



# Staff



## **Shelley Kimel**

- General direction for SSAB support office
- Executive Committee support
- HQ coordination
- Membership
- Travel
- Special events (chairs meetings, SSAB annual meeting)



## **Sara McManamy-Johnson**

- Monthly board meetings and notebooks
- EM/Stewardship Committee support
- Publications and website
- News and correspondence files
- Student representatives
- Tours



# The Work Plan

The board meets annually to select topics to address in the coming year





# How Recommendations are Made

- The board can make recommendations whenever desired, and DOE can also request a recommendation
- Recommendations are usually the result of a presentation to the board about a cleanup project
- Writing a recommendation is usually done by an issue group: volunteers interested in the topic who start drafting the recommendation based on discussion at the EM/Stewardship Committee level



# How Recommendations are Made

- The draft recommendation is reviewed by the committee, where revisions may be made
- The recommendation goes to the Executive Committee for review and is then presented to the board for approval
- If it is approved and sent to DOE, DOE can either accept the recommendation or decline
- The response is reviewed by the EM/Stewardship Committee to determine if the response is adequate or if follow-up is needed



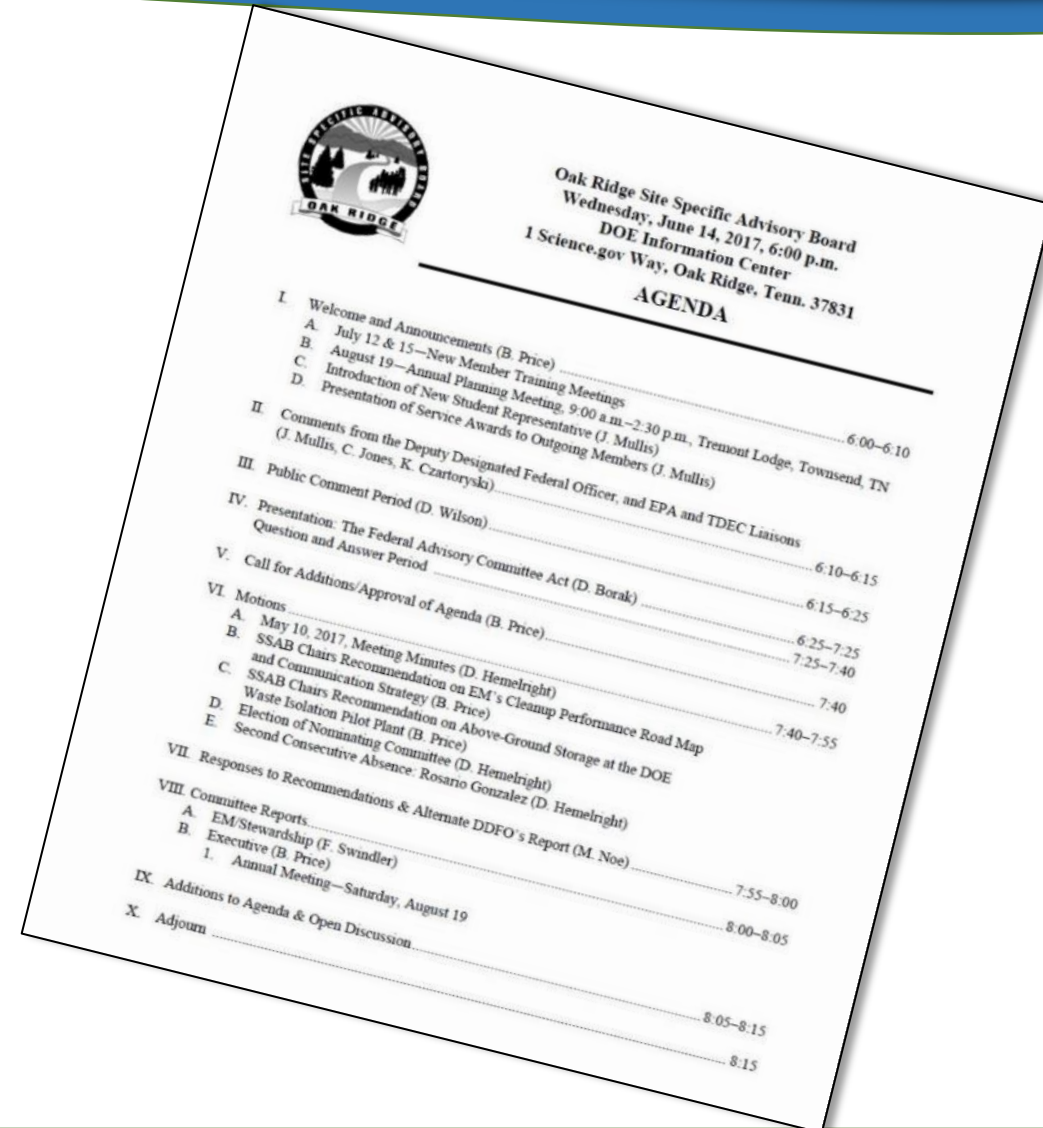
# Monthly Meetings

## Board meeting

- 2<sup>nd</sup> Wednesday, 6 p.m.
- Notebook materials
- Agenda
- Name tent

## Committee meeting

- 4<sup>th</sup> Wednesday, 6 p.m.
- Agenda
- Name tent





# Member Responsibilities

- Attendance at monthly board and committee meetings
  - Ask questions
- Take advantage of tours, training sessions, and workshops
  - Tours on a topic are generally scheduled between the board and EM/Stewardship Committee meetings
  - Travel opportunities are included in the monthly meeting packet
- Standards of conduct
  - Ethics / Conflicts of interest



# Member Responsibilities

1. Attend meetings and participate fully in the affairs of the board.
2. Serve on the EM/Stewardship Committee.
3. Review materials and help with recommendations.
4. Be available for committee work between meetings.
5. Work collaboratively and respectfully with other members and liaisons.
6. Accurately represent all matters before the board.
7. Handle information and materials in a responsible manner.
8. Share any written/emailed communication about board activities with the board and DDFO.
9. Abide by the terms and conditions of the SSAB Charter and Bylaws.





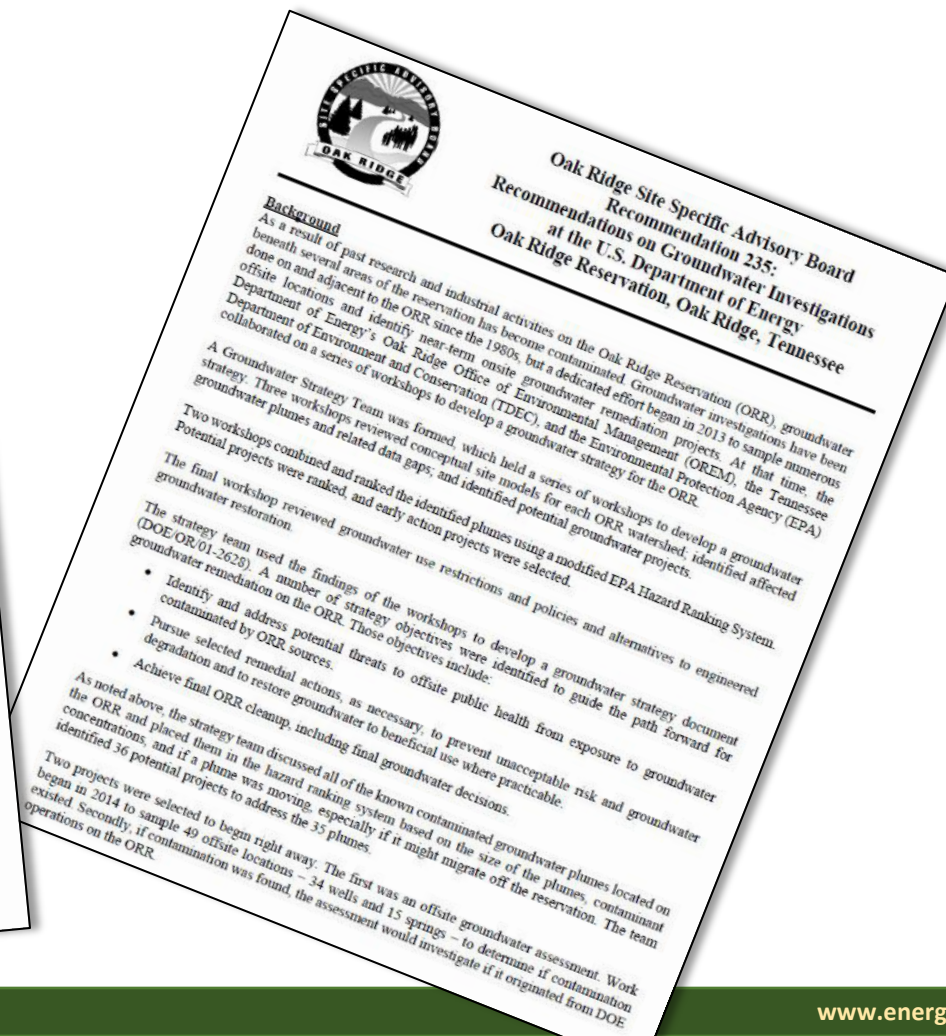
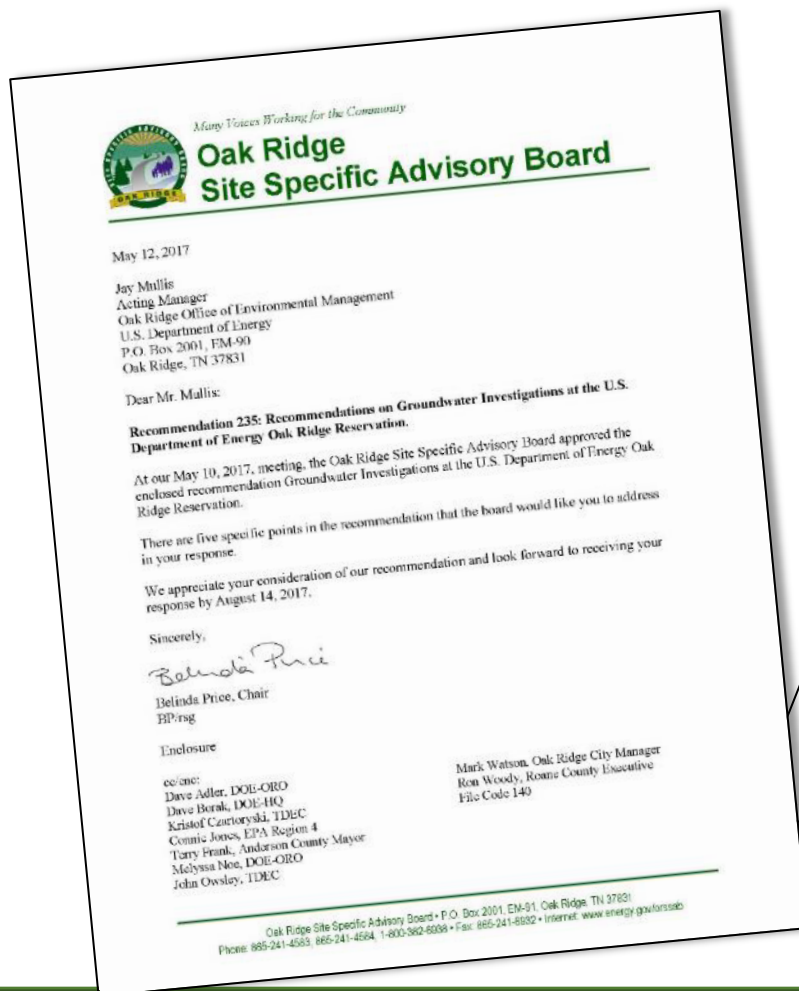
# Training and Travel

- Orientation manual
- Informal mentoring
- Tours and Travel
  - Participation will require members to share some personal/sensitive details for security/badging or financial reimbursement



# How ORSSAB Makes a Difference

## More than 250 recommendations to DOE





# How ORSSAB Makes a Difference

## Community Outreach

### PRINT:

- Monthly meeting newspaper ads
- News releases
- Brochure
- FAQ handout
- Quarterly newsletter
- Annual report

### ELECTRONIC:

- ORNL, Y-12, ETPP website posts
- Emails to media, elected officials
- ORSSAB website
- Social media

### BROADCAST:

- Energycast
- YouTube

### OTHER:

- Booth at area events
- Outreach presentations to community organizations





# Questions?

# Progress and History of the Environmental Management Program, and the Influence of the Oak Ridge SSAB

Roger Petrie, Regulatory Affairs

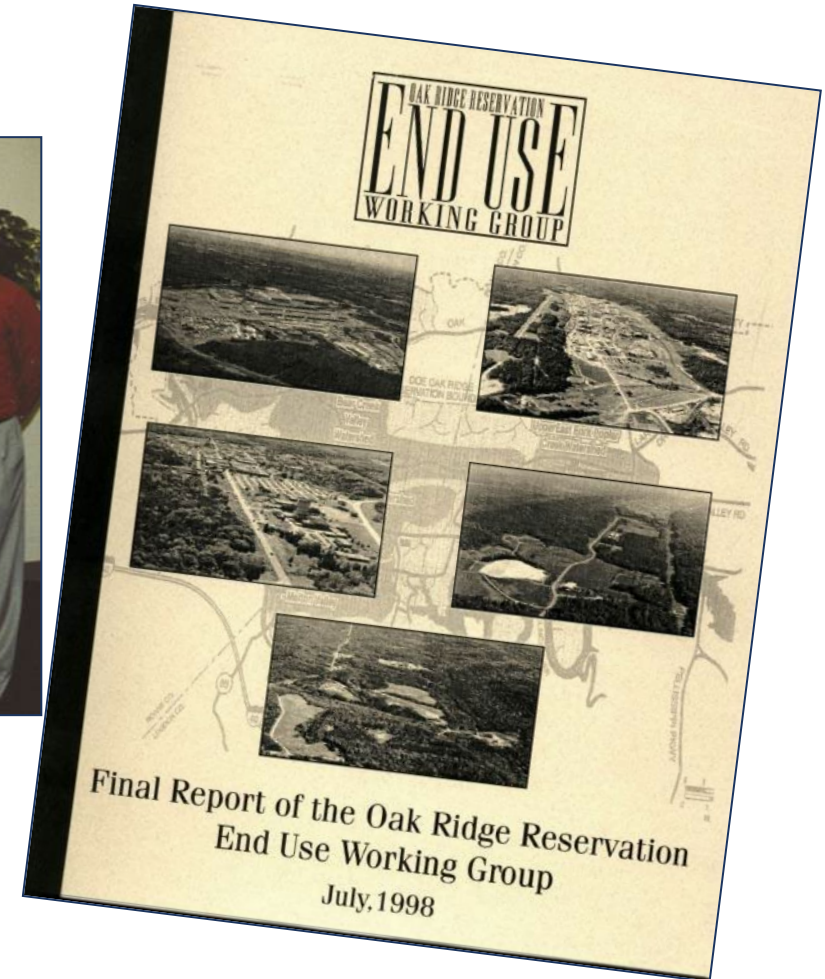
# Oak Ridge SSAB History

1995: Oak Ridge SSAB established



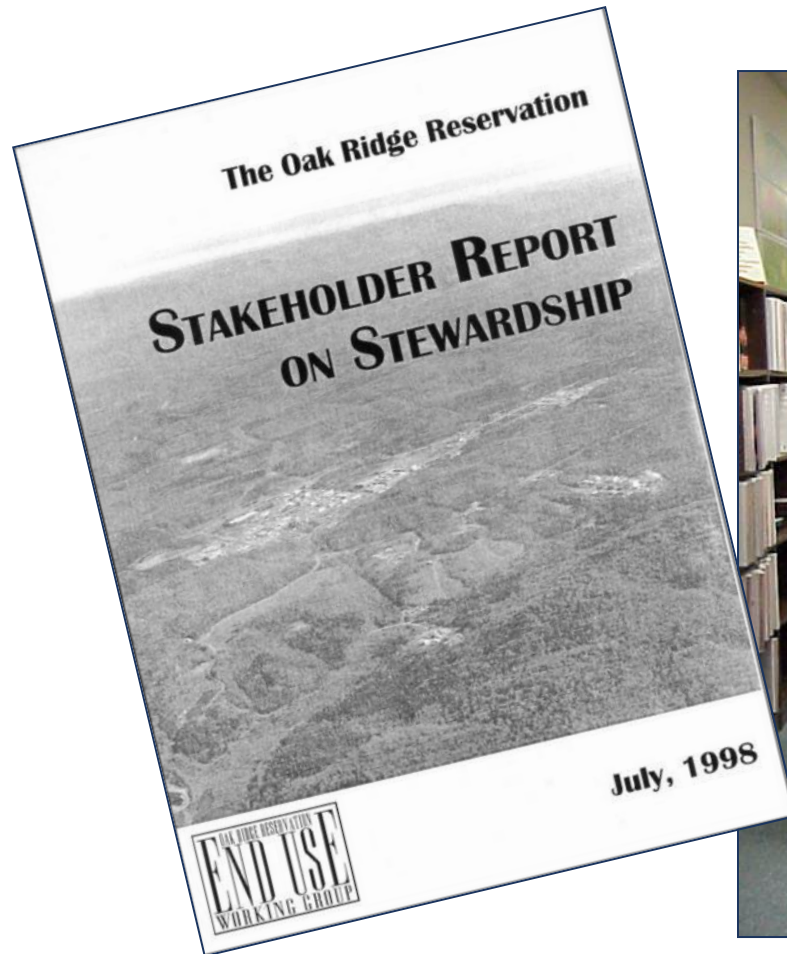
# Oak Ridge SSAB History

## 1997: End Use Working Group is formed



# Oak Ridge SSAB History

## 1997: Stewardship Working Group is formed

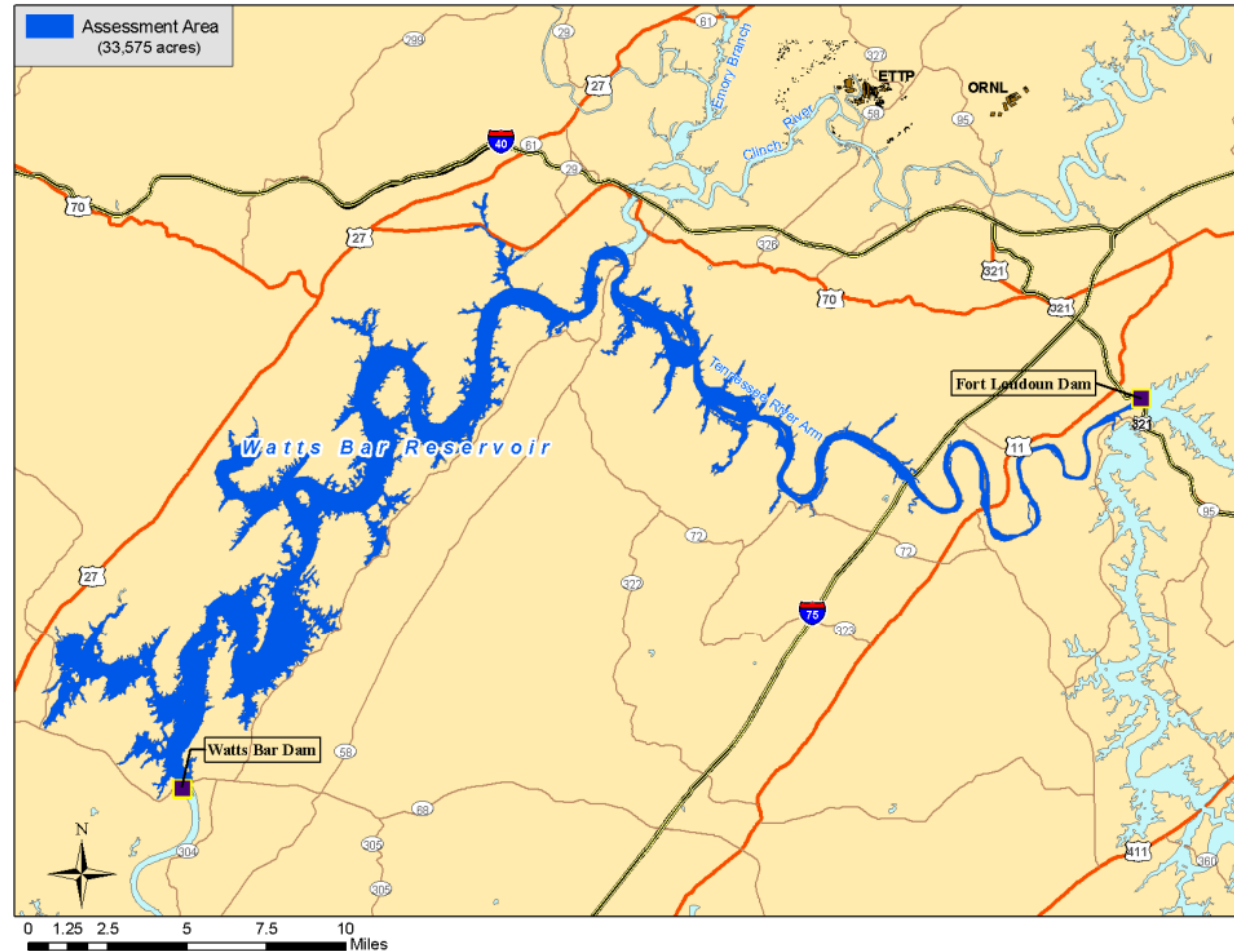




# EM Progress to Date

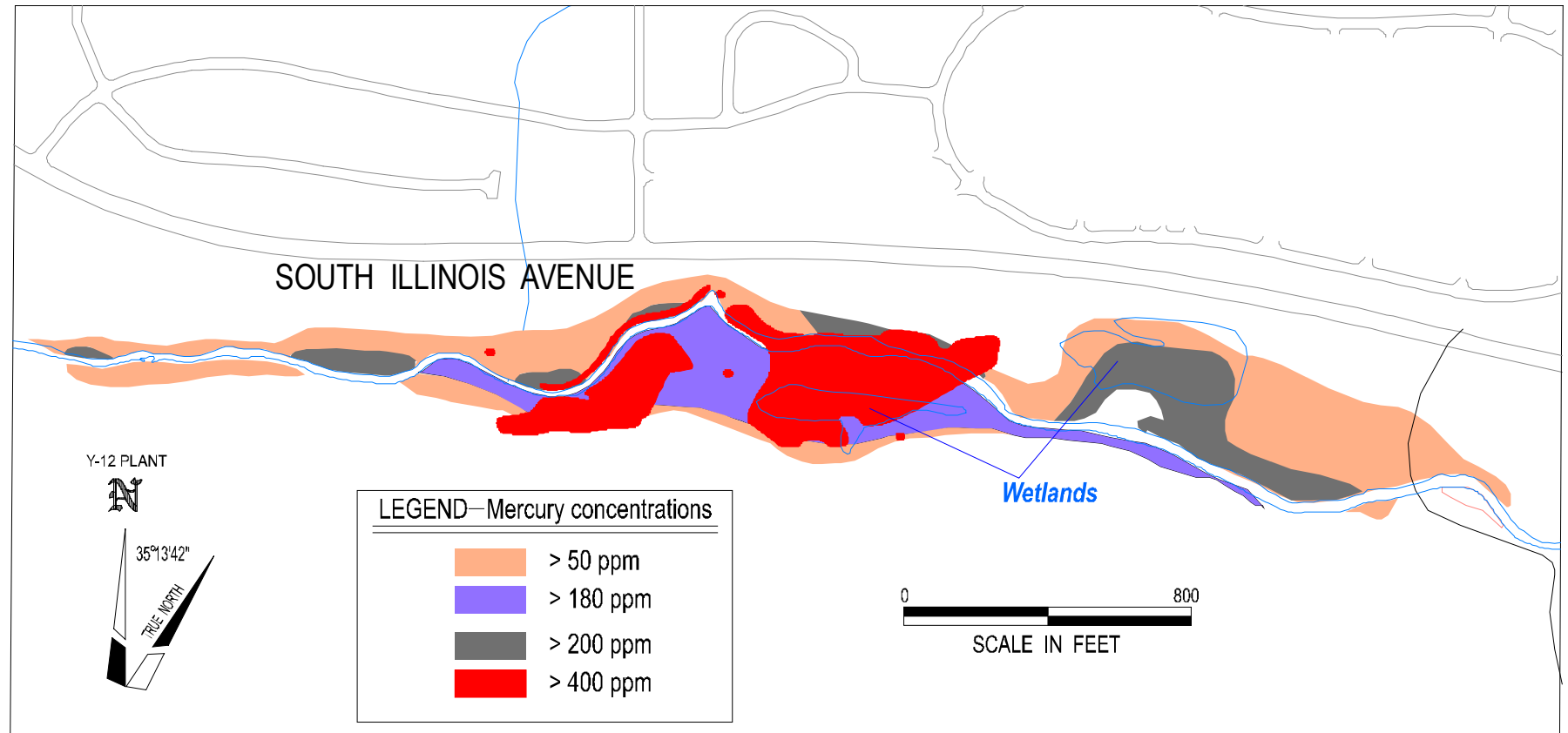


## 1995: Remediation of Lower Watts Bar Reservoir completed



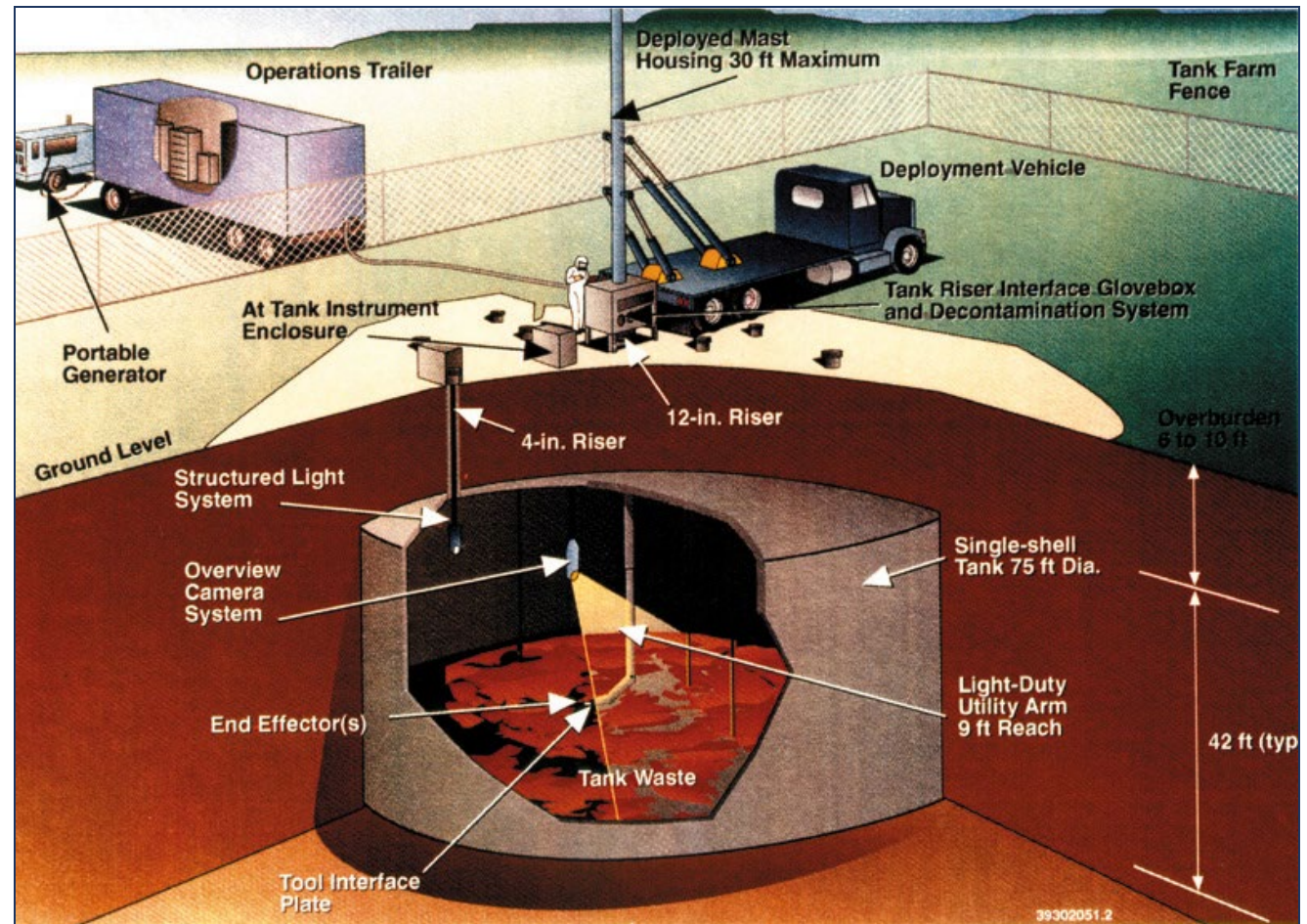
# EM Progress to Date

## 1997: Remediation of Lower East Fork Poplar Creek completed



# EM Progress to Date

## 2000: Gunite Tanks completed



# EM Progress to Date

2002: Disposal begins at the EM Waste Management Facility (EMWWMF)



# EM Progress to Date

## 2004: Processing and packaging begins at the Transuranic Waste Processing Center



# EM Progress to Date

2006: Melton Valley remediation completed near ORNL



# EM Progress to Date

2006: Last of 6,000 depleted uranium hexafluoride cylinders shipped





# EM Progress to Date

2006: EM's private Haul Road opens, diverting 110,000+ waste shipments off public highways to date



# EM Progress to Date

2016: EM completes removal of all former gaseous diffusion uranium enrichment buildings at the East Tennessee Technology Park (ETTP)



# EM Progress to Date

2016: Congress provides funding to address risks at Y-12 and ORNL excess contaminated facilities



# EM Progress to Date

2017: Uranium-233 Direct Disposition Campaign completed



# EM Progress to Date

## 2017: EM breaks ground on the Y-12 Mercury Treatment Facility



# EM Progress to Date

2018: COLEX project captures 10,000 lbs. of mercury, preventing environmental release



# EM Progress to Date

2019: Partnership with TerraPower provides rare medical isotopes from U-233 for next-generation cancer treatment research



# EM Progress to Date

2020: EM completes core cleanup at ETTP and becomes first site in world to remove an enrichment complex





# EM Progress to Date

2021: EM completes demolition of former Biology Complex at Y-12, clearing land for the Lithium Processing Facility



# EM Progress to Date

2022: EM completes first demolition of a former reactor in ORNL's central campus, with two more scheduled in the immediate future



# EM Progress to Date

2022: EM begins processing high-dose inventory of Uranium-233 stored at ORNL



# SSAB Influence on EM



- More than 250 recommendations since 1995
- ORSSAB recommendations affect every aspect of the EM program:
  - Budget, waste management, oral history, stewardship, remedy selection/implementation
  - 10 recommendations on EM Waste Management Facility
  - 20 recommendations on Melton Valley cleanup
  - 43 recommendations on long-term stewardship

# SSAB Influence on EM



- Every major record of decision developed under EM has had heavy SSAB involvement
- None of the final RODs have been at odds with majority SSAB opinions
- End Use and Stewardship Working Groups, ORSSAB recommendations have ongoing influence

# SSAB Influence on EM

- DOE, EPA, and the State are very interested in the SSAB's opinions and factor them into their decision making as a matter of course
- ORSSAB provides DOE and the regulators with a forum for understanding stakeholder perspectives





# Questions?