

Welcome to the Boone Dam Town Hall



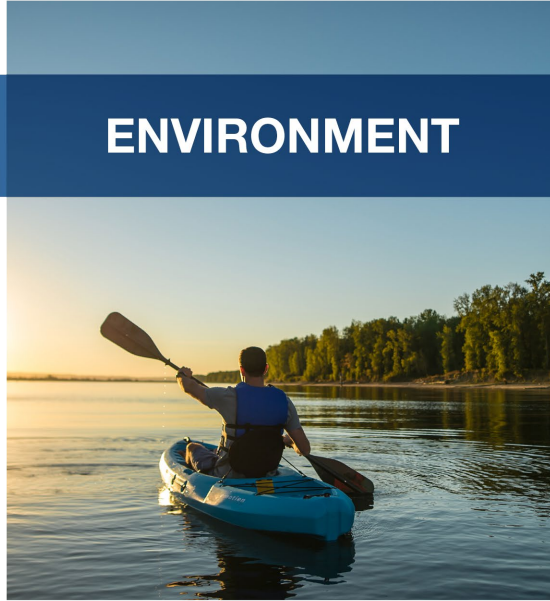
Delivering on Our Mission to You

ENERGY



Provide *affordable, reliable* power.

ENVIRONMENT



Steward the Valley's *natural resources*.

ECONOMIC DEVELOPMENT



Partner for *economic growth*.

Contact Information

TVA

For additional information please visit

<https://www.tva.com/Newsroom/Boone-Dam-Project>

General questions: boonelake@tva.gov

Vegetation questions: boonevegetation@tva.gov

Dock questions call: **800-882-5263**

<http://www.tva.gov/plic/>

TWRA

www.tnwildlife.org

Betsy.Woods@tn.gov

615-781-6601

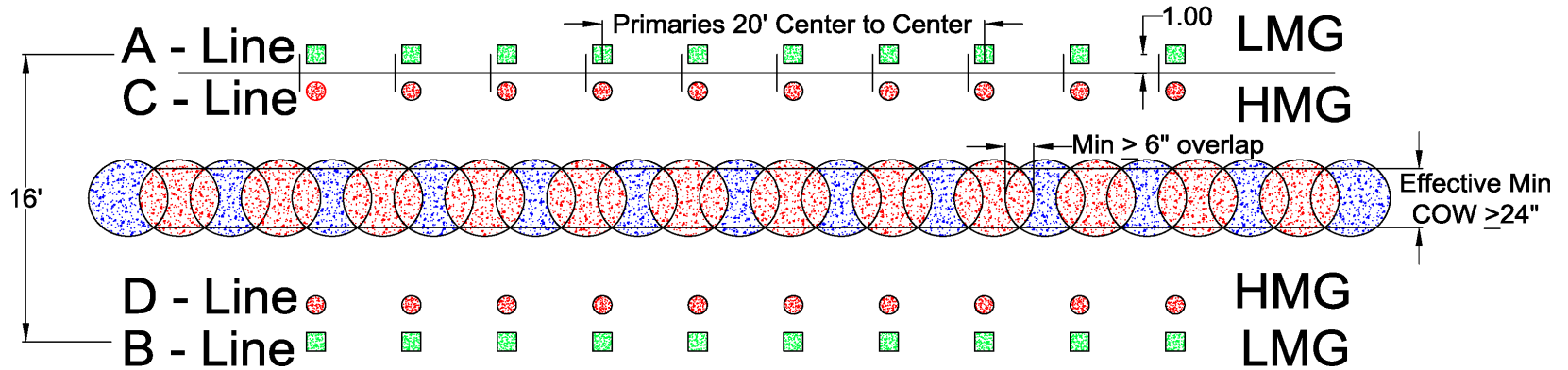




BOONE DAM INTERNAL EROSION REMEDIATION PROJECT PROJECT UPDATE

Kevin McMillion
October 15, 2020

PROJECT PROGRESS



TOTAL NUMBER OF ELEMENTS:	307
ELEMENTS COMPLETED:	250
REMAINING ELEMENTS:	57
TOTAL ONSITE WORK HOURS:	1.8 million

REMAINING ACTIVITIES

CUTOFF WALL ACTIVITIES REMAINING

- COMPLETE ELEMENTS
- COMPLETE VERIFICATION PROGRAM
- FINAL CONSTRUCTION COMPLETION REPORT

SITE RESTORATION ACTIVITIES

- CREST RESTORATION
- RESTORE PUBLIC BEACH AREA and BATHROOMS

Questions on Construction?





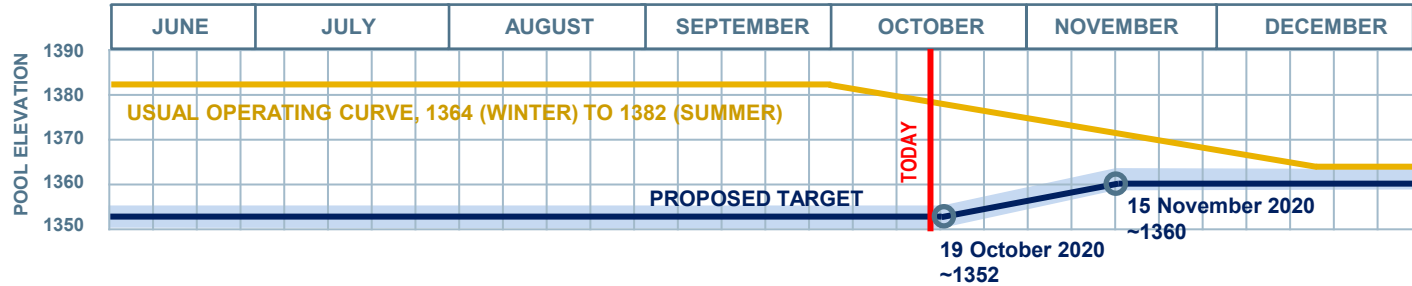
BOONE DAM INTERNAL EROSION REMEDIATION PROJECT PROJECT UPDATE

Chris Saucier
October 15, 2020

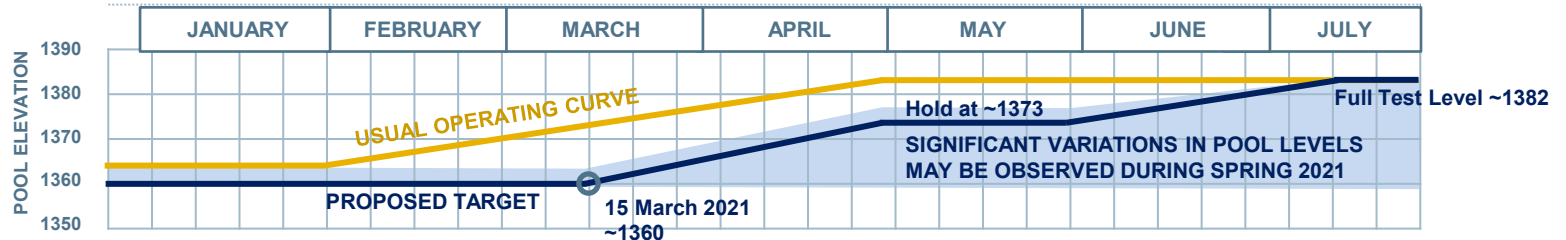
PLANS FOR UPCOMING POOL FLUCTUATIONS

PROPOSED POOL ELEVATIONS ARE TARGET ELEVATIONS FOR PLANNING PURPOSES ONLY.
ACTUAL POOL LEVELS MAY VARY WITHIN RANGE SHOWN TO ENSURE PUBLIC SAFETY AND
ACCOMMODATE SPECIFIC NEEDS OF PERFORMANCE EVALUATION.

2020

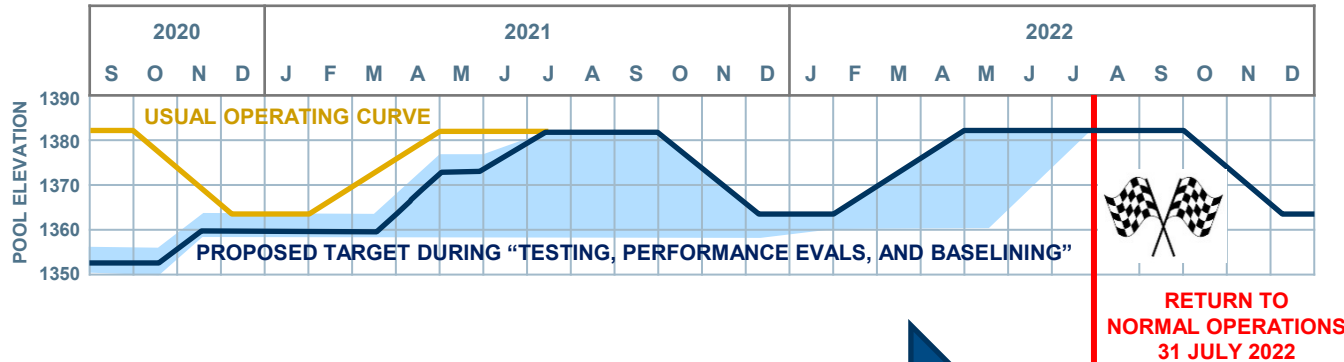


2021



ASSEMBLED PICTURE OF UPCOMING FLUCTUATIONS

PROPOSED POOL ELEVATIONS ARE TARGET ELEVATIONS FOR PLANNING PURPOSES ONLY.
ACTUAL POOL LEVELS MAY VARY WITHIN RANGE SHOWN TO ENSURE PUBLIC SAFETY AND
ACCOMMODATE SPECIFIC NEEDS OF PERFORMANCE EVALUATION.



- INSPECTIONS, & EVALUATION AND BASELINING OF DAM'S PERFORMANCE
- RESTORATION OF DAM'S CREST ELEVATION
- RESTORATION OF SITE AND RESERVOIR FACILITIES
- VEGETATION AND DEBRIS MANAGEMENT
- RESTORATION OF TAILRACE AREA AND HYDROGENERATION UNIT 1

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615-781-6601



Questions on Fluctuations?





**BOONE DAM
INTERNAL EROSION REMEDIATION PROJECT
LAKE RESTORATION**

Kevin McMillion
October 15, 2020

LAKE RESTORATION

WORK TO DATE

- 650 ACRES MULCHED FY19
- 900 ACRES MULCHED FY20
- 525 ACRES SPRAYED WITH EPA APPROVED AQUATIC HERBICIDE

UPCOMING WORK

- ACCESS ENHANCEMENT TO DOCKS
- ACCESS ENHANCEMENTS TO COVES
- HIGH TRAFFIC AREAS
- FLOATING DEBRIS CLEANUP

LAKE RESTORATION



Boone Lake Water Level Restoration



Questions on Vegetation Management & Reservoir Restoration?





Natural Resources Reservoir Land Use & Permitting

Anne Patrick
October 15, 2020

Natural Resources Focus Areas

Reservoir
Lands
Planning

Section 26a
& Land Use
Agreements

Public Land
Protection

Land &
Habitat
Stewardship

Nuisance &
Invasive
Species
Management

Cultural
Resource
Management

Water
Resources
Stewardship

Recreation

Ecotourism

Public
Outreach &
Information

Overview of Section 26a

- Section 26a of the TVA Act is designed to ensure that construction along the shoreline and in the waters of the Tennessee River does not adversely impact or compromise TVA's ability to manage the Tennessee River system.
- This section prohibits the construction, operation, or maintenance of any dam, appurtenant works, or other obstruction affecting navigation, flood control, or public lands or reservations across, along, or in the Tennessee River system or any of its tributaries until the plans for such construction, operation, or maintenance shall have been submitted to and approved by the TVA Board or its delegate.

RLU&P Reservoir Access Actions

- Residential
 - Temporary residential Section 26 application fee waiver
 - Increase residential access with temporary permits.
 - Allowed facilities to be repositioned to facilitate access
- Public Recreation
 - Temporary commercial Section 26a application fee waiver
 - Assisted in modifications of public access facilities
 - > Public access at temporary Boone Beach
 - > Creation of new boat launching ramp at Boone Beach
 - > Improved public boat access at Pickens Bridge and Old Devault Bridge

Preparing for Reservoir Fluctuation and Return to Normal Operations

- Review your Section 26a permit conditions
- Secure facilities as the reservoir rises
- Remove items that can't be secured



Section 26a Permit Scenarios

I have a permit for temporary structures. Does that need to be removed?

- Check your Section 26a permit conditions.
- Where the maximum allowable structure footprint had already been permitted, TVA authorized the placement of temporary structures to facilitate access to the reservoir.
- These temporary structures should be removed from the reservoir as water levels allow and full pool is reached.

Section 26a Permit Scenarios

I have a permit for temporary structures. Does that need to be relocated?

- Check your Section 26a permit conditions.
- When possible, TVA authorized the placement of temporary structures to facilitate access to the reservoir, with the understanding that these structures would be incorporated into the approved facility footprint upon return to normal operation.
- These structures should be relocated to their permanent location as the reservoir elevation rises.

Section 26a Permit Scenarios

I have a facility but do not have a permit in my name, can it remain? What should I do?

- Since Section 26a permits are location specific and need to reflect the property owner of record, a new Section 26a application is required.

Section 26a Permit Scenarios

How do you know if any of these scenarios apply to you?

- Check the conditions of your permit
- Review the plans included in your permit
- Contact TVA's Public Land Information Center
at 1-800-TVA-LAND or plic@tva.gov

Vegetation Removal

- Is a Section 26a permit for vegetation removal required on private property?
 - When the action is vegetation removal only, no.
- Can I burn vegetation I've removed from my private property?
 - Yes, burning is allowed on private property only
 - Before you burn any vegetation please contact your local county forestry division to find out if there is a ban on open burning and to obtain a permit:
 - Sullivan County (423) 239-5811
 - Washington County (423) 753-4011
- **All remaining debris should be removed from the lakebed to prevent it from entering the reservoir.**

Rising to Normal Operations

- Evaluate your property to determine if you need to apply for a Section 26a permit for an existing structure.
- Plan in advance to apply for new construction or modifications to existing structures in order to take advantage of the temporary application fee waiver.
- Every water use facility or structure below the 1390' contour elevation requires a Section 26a permit.
- A new permit is not required for maintenance on existing, permitted facilities.

Recreation & Shoreline Management

- Commercial Marinas – Conducted meetings to inform the marinas of the timeframe of impending water level fluctuations. Helping to plan and prepare for any adjusts needed to safely secure their facilities.
- Provided boater safety signs from TWRA to post at each marina.

Recreation & Shoreline Management

Dam Reservation Planning

- New restroom building at the Boone Dam boat launching ramp.
- Additional modifications will be made to the Boone launching ramp, picnic area and the beach will be returned to the previous location.



Recreation & Shoreline Management

Public Access

- Improvements to the TWRA Devault Bridge summer pool access area by installing a concrete launching ramp, paved access road and paved parking area.



Resources

TVA's Public Land Information Center

1-800-TVA-LAND

<http://www.tva.gov/plic/>

Questions on Natural Resources, Land Use & Permitting ?





Tennessee Wildlife Resources Agency

Betsy Woods - Boating Safety Education

The Mission of the Tennessee Wildlife Resources Agency is to preserve, conserve, manage, protect, and enhance the fish and wildlife of the state and their habitats for the use, benefit, and enjoyment of the citizens of Tennessee and its visitors.

The Agency will foster the safe use of the state's waters through a program of law enforcement, education, and access.

- **Funding for TN Wildlife Resources**
- **Fisheries and Hunting funded through U.S. Fish and Wildlife Service**
- **Funding for the Boating Safety is through the U.S. Coast Guard**
- **TWRA operates on very few general revenue**



Boating incidents must be reported to TWRA

TWRA must be notified immediately if a person dies or disappears and an accident report must be made within 48 hours.

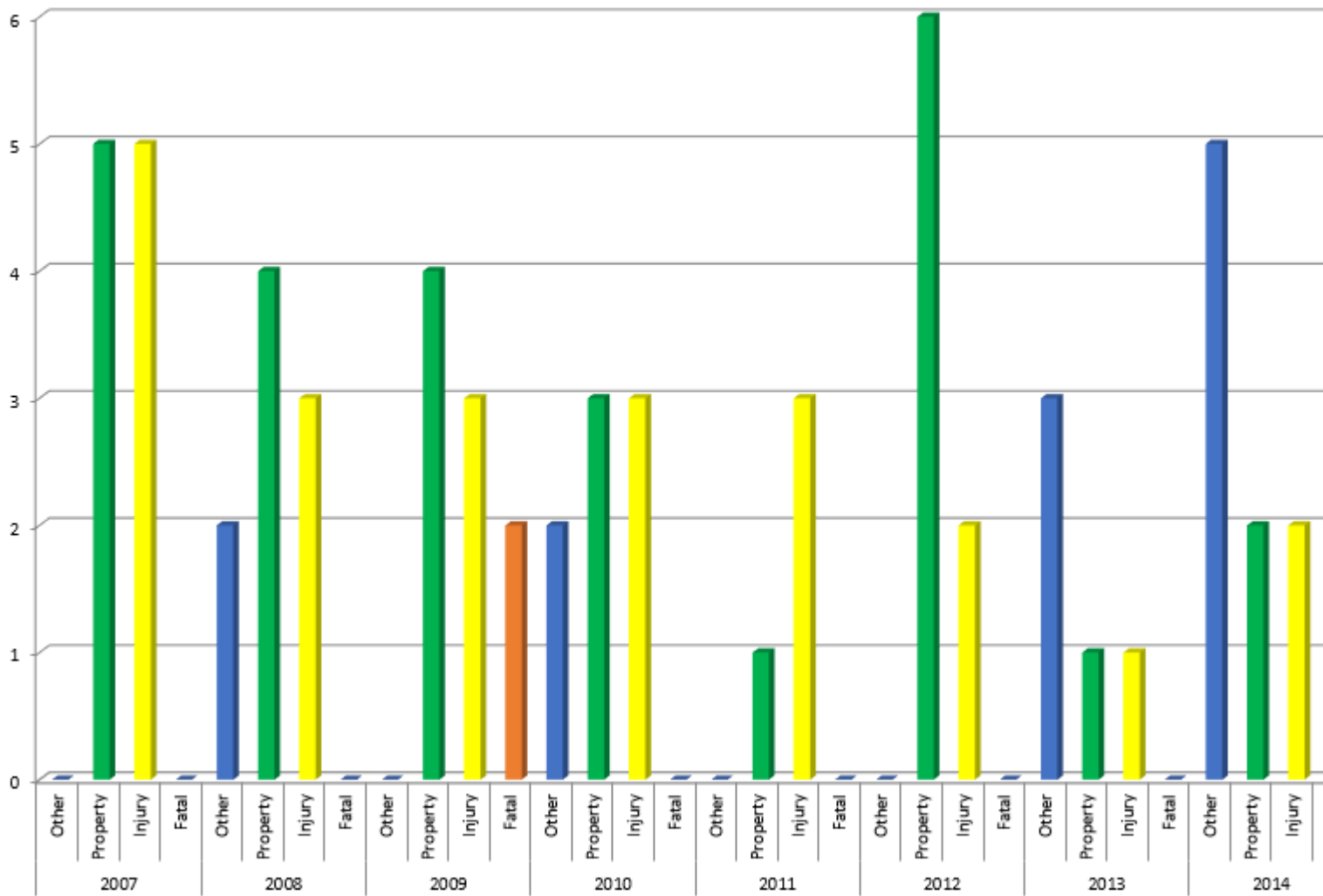
An accident must be reported if someone is injured and requires medical treatment beyond first aid

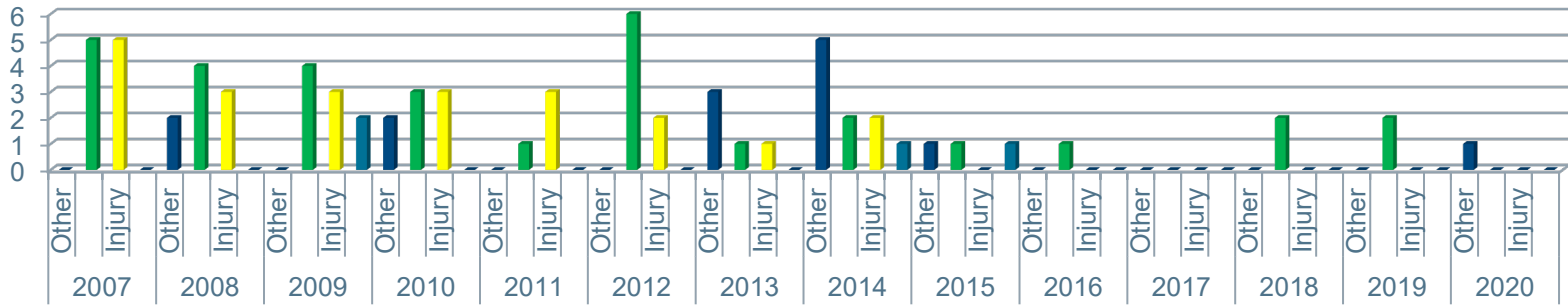
An accident must be reported if damage to the vessel exceeds \$2000



Reported Incidents

2007 - 2014





Incidents where low water MAY have been a contributing factor before dam repair:

May 2008 – **property damage**, hazard buoys present, boat ran aground

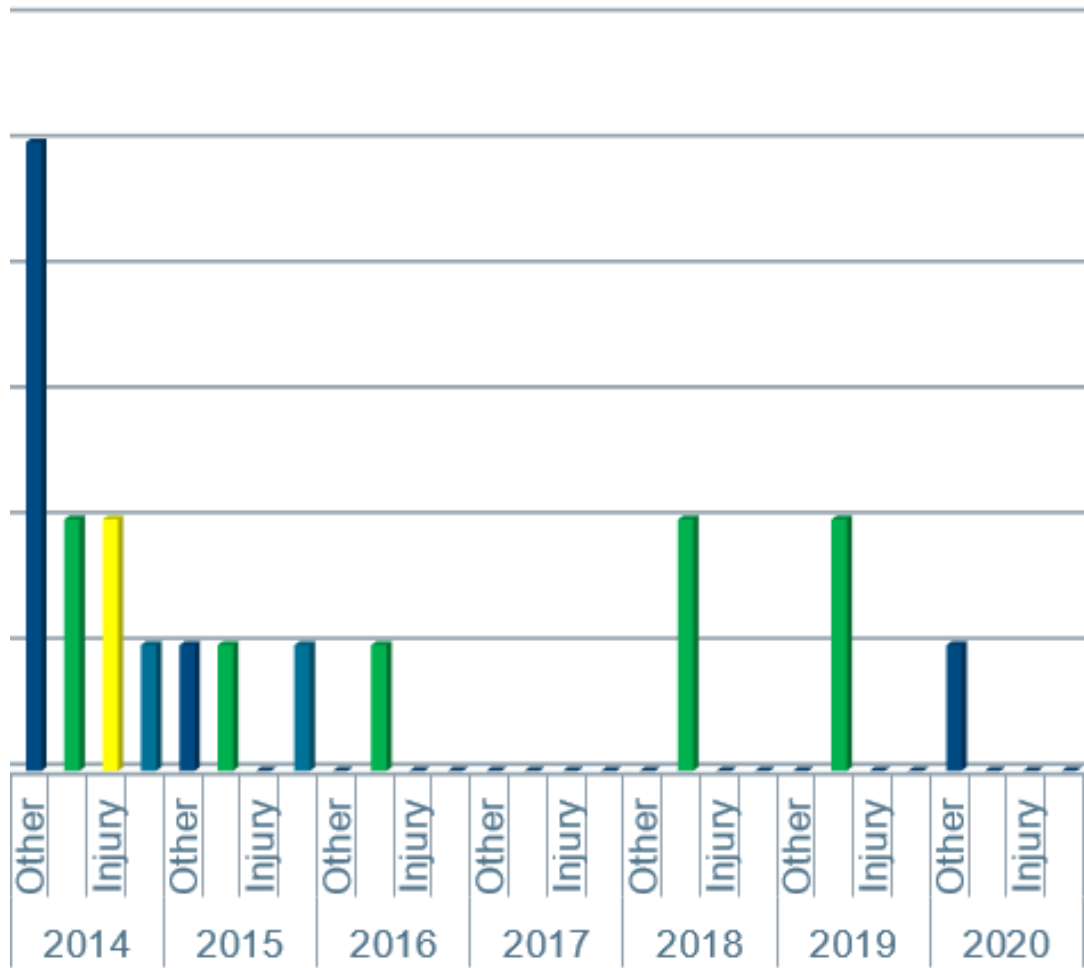
June 2009 – **fatality**, boat hit rocks, began to swamp, all persons bailed out to swim to shore, one person did not make it – no life jackets worn

November 2010 – **injury**, boat struck exposed island, person ejected

May 2011 – **property damage**, hazard buoys present, boat hit rocks

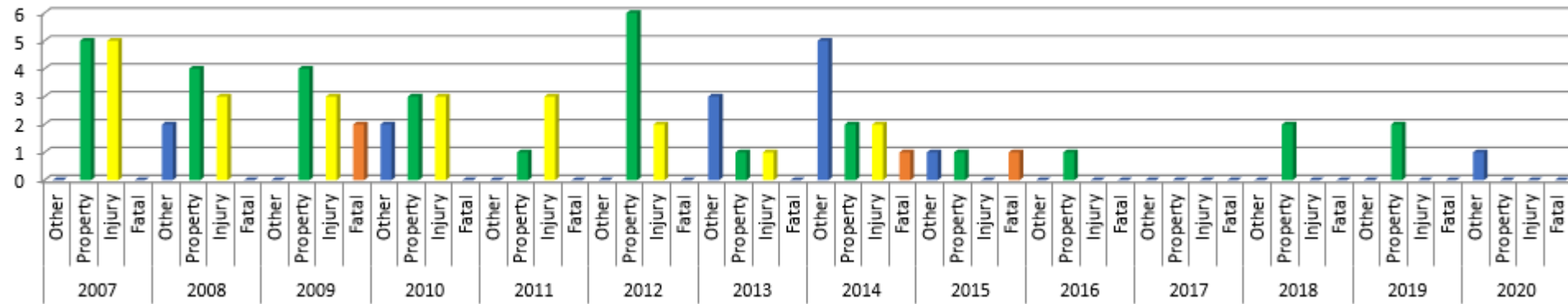
March 2012 – **property damage**, boat ran aground

July 2014 – **property damage**, boat hit submerged rocks



Reported Incidents

2014 - 2020



Incidents where low water MAY have been a contributing factor during dam repair:

May 2015- **fatality**, boat hit bank, it was dark and water was low

2017 – no incidents

June 2018 – **property damage**, boat ran aground

July 2019 – **property damage**, boat ran aground

November 2019 – **property damage**, boat hit rock

Boone Lake filling back up!

Always keep a sharp lookout especially for possible hazards both visible and submerged

If operating around large bends in the river, the points may be shallow or hold hazards

Areas of possible caution from previous years incidents:

- Deerlick
- Point 19
- Point 4
- Point 2

Just be careful and diligent



BOATING SAFETY CHECKLISTS

REQUIRED BY LAW

- ✓ Readily Accessible, Approved Wearable Life Jacket For Each Person
- ✓ Additional Throwable Flotation Device On Boats 16 Feet Or More
- ✓ Persons 12 And Under Must Wear Life Jacket While Underway
- ✓ Fire Extinguisher If Fuel Tank Or Engine Is Enclosed
- ✓ Running Lights After Sunset Or During Restricted Visibility
- ✓ State Registration Card On Board
- ✓ Registration Number And Validation Sticker Displayed
- ✓ TWRA-issued Wallet Card Proving Successful Completion Of Boating Safety Education (If born after 1/1/1989)
- ✓ Do Not Operate A Boat Under The Influence Of Alcohol Or Drugs
- ✓ Observe Navigation Rules
- ✓ Do Not Overload Boat
- ✓ Sound Signaling device

OTHER ITEMS

- ✓ Do Not Occupy Ramp Until Boat Is Ready To Launch
- ✓ Notify Others Of Your Schedule
- ✓ Obtain Weather Forecasts
- ✓ Navigation Charts
- ✓ Bail Bucket
- ✓ Anchor And Line
- ✓ Paddle And Extra Plug
- ✓ Secure Boat To Trailer After Loading
- ✓ Trailer Lights
- ✓ Reduce Speed At Night
- ✓ Check For Gasoline Fumes
- ✓ Motor Kill Switch
- ✓ 170-degree, Wide-angle Rear View Mirror

WEAR YOUR PERSONAL FLOTATION DEVICE

80% OF DROWNING VICTIMS IN BOATING ACCIDENTS WERE NOT WEARING A PERSONAL FLOTATION DEVICE

PLEASE TAKE A BOATING COURSE FOR MORE ENJOYABLE AND SAFER BOATING.
FOR MORE INFORMATION ON FREE CLASSES AND SELF COURSES, CONTACT:



BOATING DIVISION
TENNESSEE WILDLIFE RESOURCES AGENCY
STATE 1-800-799-4890
MIDDLE TENNESSEE 1-800-624-7406
www.tnwildlife.org



TENNESSEE PADDLESPORTS LAWS

Human-powered vessels, such as:
CANOEES • KAYAKS • STAND UP PADDLEBOARDS (SUP)

An approved, wearable life jacket for each person must be readily accessible. Throw cushions do not meet this requirement.

Life jacket(s) must be on board, not attached by a line or leash.

Persons under 13 years old must wear a life jacket while underway. Drifting is considered underway.

All paddle craft must be able to exhibit a white light or lantern after sunset or during times of restricted visibility.

Boater's state registration card must be on board if boat is propelled by motor or a trolling motor.

A fishing license is required by all persons 13 years or older assisting or attempting to take fish.

Do not litter. It is unlawful to throw or sink litter from a boat. In the event that a boat turns over, all contents must be retrieved.

It is unlawful to use or be in possession of drugs or controlled substances while boating or paddling.

Use or possession of alcohol by individuals who are underage is prohibited.

No person shall operate or interfere with the safe operation of any motorboat or vessel.

All boats are subject to inspection.

All navigation rules apply.

Keep a proper lookout at all times.

OTHER HELPFUL HINTS:

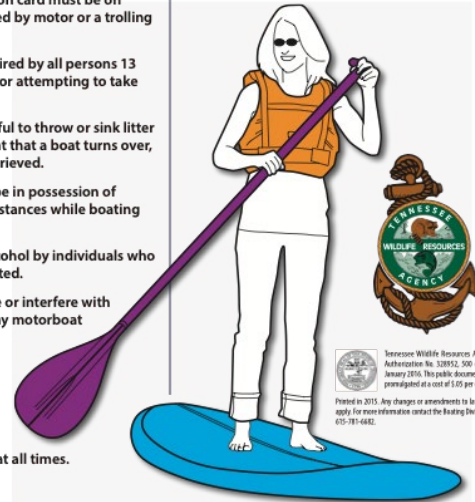
Inflatable belt pack life jackets need to be worn with the device *in front of the body*, not turned to the back side of the body.



Inflatable life jackets are not approved for anyone less than 16 years old.

Do not overload your boat.

Other rules, regulations, and laws may apply.



Tennessee Wildlife Resources Agency
Authorization No. 201002, 500 copies,
January 2010. This public document was
photocopied at a cost of \$1.05 per copy.

Printed in 2015. Any changes or amendments to laws will
apply. For more information contact the Boating Division at
615-961-6442.





Questions?

Betsy Woods

Boating Safety Education Coordinator

Questions?



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