
Douglas Lake

Hurricane Helene Debris Cleanup and Restoration

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August 28, 2025

Douglas Lake

DANDRIDGE, TENNESSEE



Hurricane Helene: Impact to Douglas Lake

TONS OF UPSTREAM DEBRIS INCLUDES VEGETATIVE AND NON-VEGETATIVE DEBRIS

TVA dams control record rainfall from Hurricane Helene

Some parts of TVA's system, which covers East Tennessee and some parts of Western North Carolina, received more than 19 inches of rain from Tropical Storm Helene. Even the least rainy areas still got 4 inches in a short period of time Sept. 26-27.

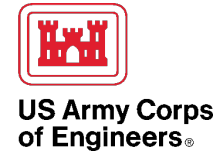


TVA Protects Douglas Dam with Debris Collection Boom

TVA deployed a 4,000-foot-long floating boom across Douglas Lake to protect Douglas Dam and other downstream infrastructure from floating debris.

Hurricane Helene Response

PARTNERSHIP BETWEEN FEDERAL, STATE, AND LOCAL GOVERNMENT

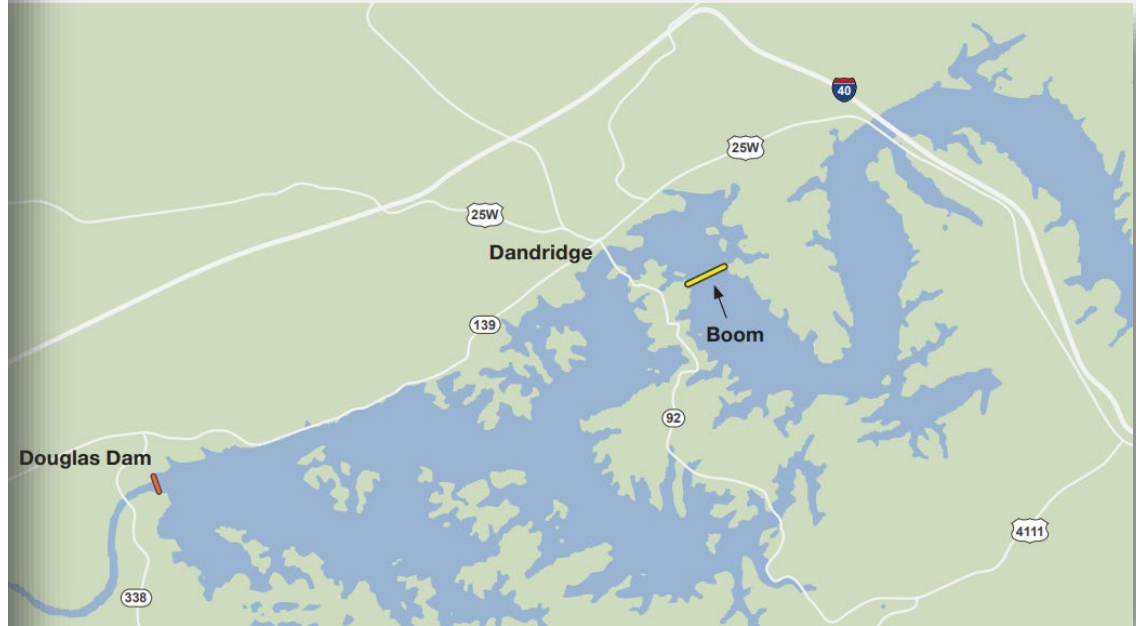


Hurricane Helene: Debris Removal Mission Assignment

MISSION ASSIGNMENT TO TVA ON NOVEMBER 2, 2024 (REVISED 11/25/2024)

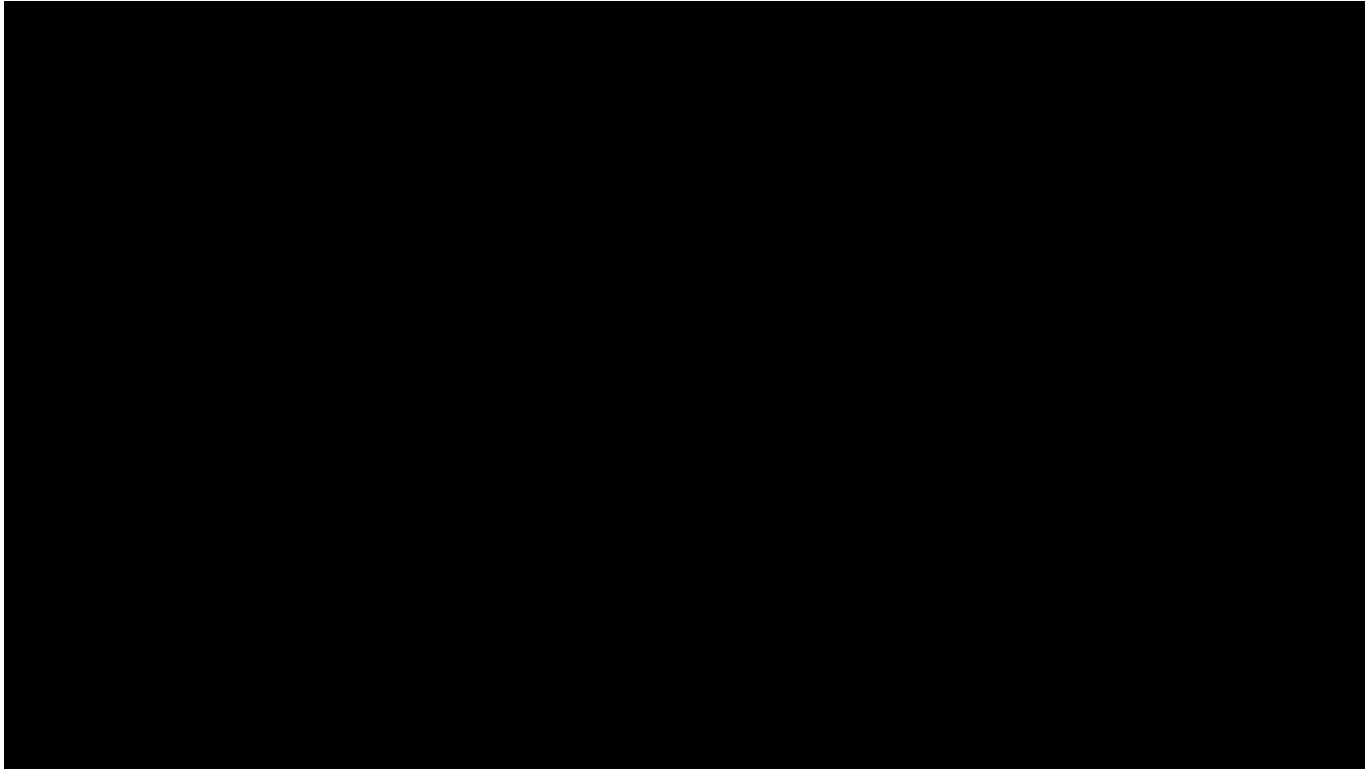
Cleanup Sequence

- 4 TO 8 MONTHS**
- **Develop interagency agreements**
Mid-November 2024
 - **Mobilization and setup**
 - Mobilize and deploy a fleet of overwater and land-based equipment and personnel to conduct debris collection and removal services
 - Identify temporary disposal and reduction sites
 - Identify worker safety needs and provide training
 - Obtain environmental approvals
 - **Setup temporary disposal and reduction sites and initiate debris segregation, reduction, and hauling**
 - **Complete the mission assignment**
3 to 7 months



Hurricane Helene: Strategic Communication

SWIFT, STRATEGIC, INTERAGENCY RESPONSE



Hurricane Helene: Strategic Communication

SWIFT, STRATEGIC, INTERAGENCY RESPONSE



Strategic
communications

> **550**
Attendees for
2 Open Houses

> **10,830**
Email Touchpoints



Grassroots
engagement

> **200**
Face-to-Face
Touchpoints

> **200**
Phone Calls
Answered



Media
relations

> **541**
Personal Emails /
Calls / Texts

1,200
Door Hangers



Creative assets
and more

2,695
Doors Knocked

583
Contacted by
Door Knocking

Hurricane Helene: Collect Household Waste

SWIFT, STRATEGIC, INTERAGENCY RESPONSE



Hurricane Helene: Segregate Household Waste

SWIFT, STRATEGIC, INTERAGENCY RESPONSE



Hurricane Helene: Transport Household Waste

SWIFT, STRATEGIC, INTERAGENCY RESPONSE



Hurricane Helene: Land-Based Approach and Burn Sites

SWIFT, STRATEGIC, INTERAGENCY RESPONSE



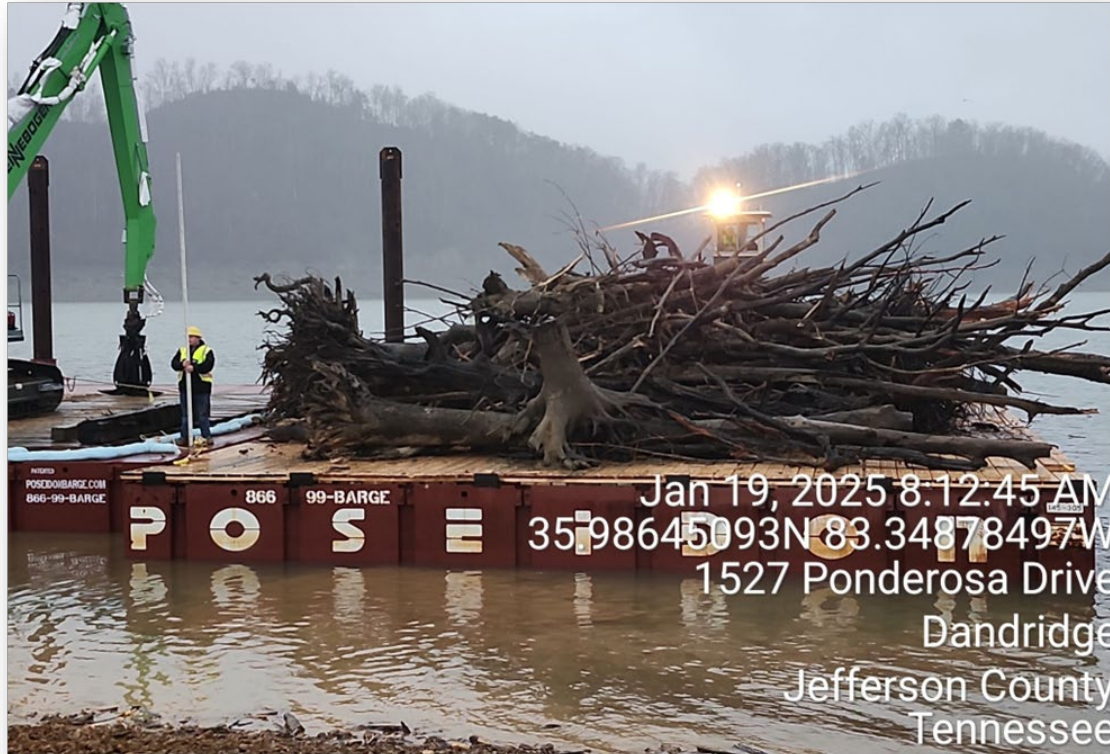
Hurricane Helene: Water-Based Approach

SWIFT, STRATEGIC, INTERAGENCY RESPONSE



Hurricane Helene: Water-Based Approach

SWIFT, STRATEGIC, INTERAGENCY RESPONSE



Hurricane Helene: Multi-Pass Removal Approach

SWIFT, STRATEGIC, INTERAGENCY RESPONSE



Hurricane Helene: Debris Removal and Restoration

SWIFT, STRATEGIC, INTERAGENCY RESPONSE



BEFORE

AFTER



Hurricane Helene: Debris Removal and Restoration

SWIFT, STRATEGIC, INTERAGENCY RESPONSE



BEFORE

AFTER



Hurricane Helene: Debris Removal and Restoration

SWIFT, STRATEGIC, INTERAGENCY RESPONSE



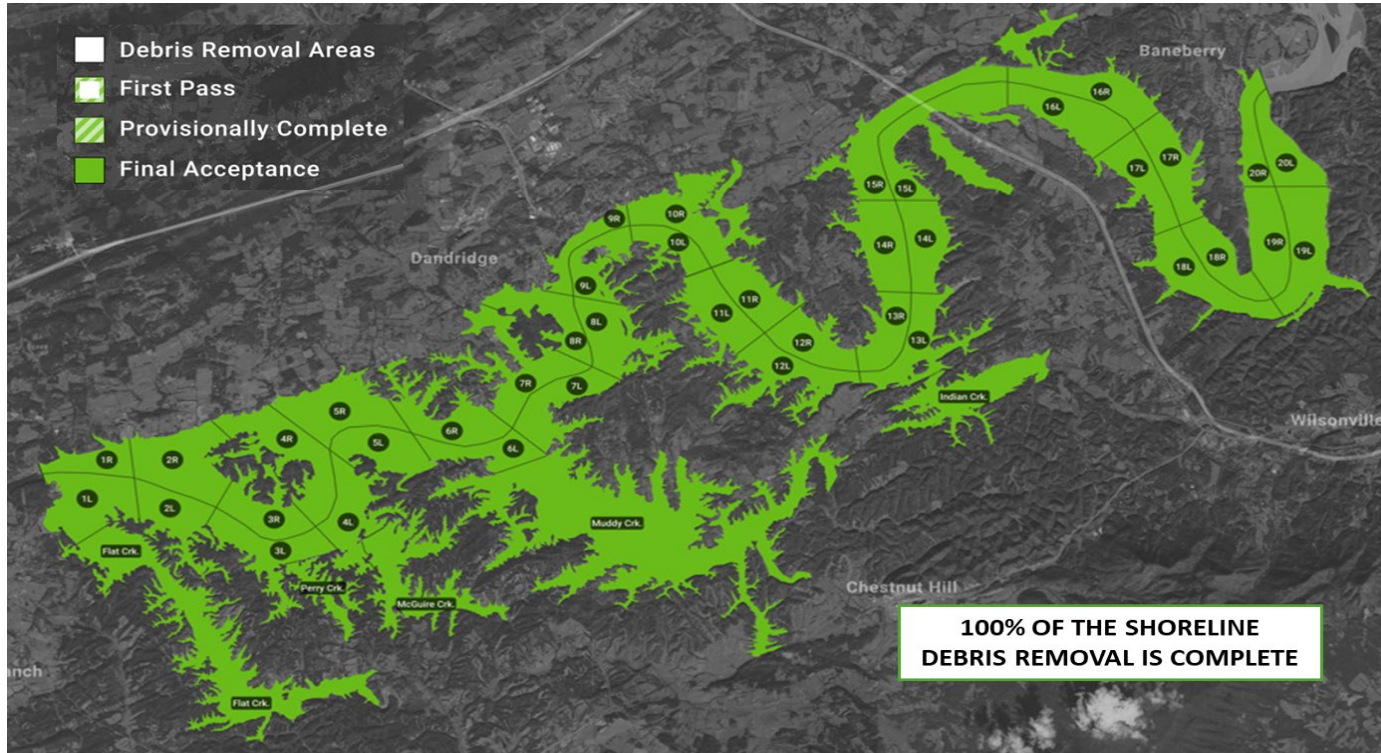
BEFORE

AFTER



Hurricane Helene: Debris Removal Mission Assignment

DRIVING EFFICIENCY AND STEWARDSHIP



Douglas Lake Day of Service – May 31, 2025

THE EXAMPLE OF GOVERNMENT AND COMMUNITY SERVING TOGETHER



Volunteers bag debris on the Douglas Lake shoreline during a "Day of Service" on Saturday.

TVA photo

Douglas Lake clean-up

Local volunteers join TVA in 'Day of Service'

100+ Volunteers

- 200 Care Packages
- 3,700 pounds of non-perishable goods
- Community Debris and Trash Pickup



Douglas Lake Debris Clean-up and Restoration

FRIENDS DON'T LET FRIENDS DOWN



TVA wins the Outstanding Watershed Management Project Award by the Clean Water Professionals of KY & TN



TVA

**TENNESSEE
VALLEY
AUTHORITY**