

WILSON COUNTY TENNESSEE

CUMBERLAND RIVER DAM FAILURE EMERGENCY OPERATIONS

CENTER HILL AND WOLF CREEK DAMS

**This Emergency Operations Guide (Version 2.0, June 9, 2008)
Replaces All Previous Wolf Creek Dam Failure Emergency
Operations Guidelines**

NOTICE OF APPROVAL

The Wilson County Emergency Management Agency Dam Failure Emergency Operations Guidelines is intended to be an operational guideline in the event of failure of either the Center Hill Dam in Tennessee or the Wolf Creek Dam in Kentucky. The County Mayor, by affixing his signature hereto, signifies his approval of this document to include the guidelines and responsibilities contained herein.

Original Signed by Robert Dedman June 17, 2008
_____ Date _____

Robert Dedman
Wilson County Mayor

Original Signed by John Jewell June 17, 2008
_____ Date _____

John Jewell
Director, Wilson County Emergency Management Agency

CENTER HILL AND WOLF CREEK DAM FAILURE EMERGENCY OPERATIONS GUIDELINES

STATEMENTS AND DISCLAIMERS

The Center Hill and Wolf Creek Dam Failure Operations Guidelines for Wilson County is a comprehensive plan that provides the foundation for operations in the event of a failure of either the Center Hill Dam in Tennessee or the Wolf Creek Dam located in Kentucky.

The phases of this plan are guided by the National Incident Management System (NIMS) in accordance with the guidelines set forth by the Federal Emergency Management Agency (FEMA). Command structures will conform to NIMS standards during emergency operations.

These guidelines are the basis for actual operations in the event of a dam failure and are subject to periodic revision and update. These guidelines or portions thereof may also be used in the event of other emergencies.

To ensure you have the most current version of these guidelines check with

Actual operations and situations may require deviation from these guidelines in order to better preserve life and property.

Questions and suggestions may be submitted to the Wilson County Emergency Management Agency Planning Officer located at 110 Oak Street in Lebanon, Tennessee 37087, telephone 615-444-8799.

Wilson County Emergency Management Agency does not discriminate based upon race, color, handicap or sexual preference. For assistance in comprehending these Emergency Operations Guidelines you may contact the Wilson County Emergency Management Agency Planning Officer located at 110 Oak Street in Lebanon, Tennessee 37087, telephone 615-444-8799.

EMERGENCY OPERATIONS PLAN FOR USE IN THE EVENT OF FAILURE OF CENTER HILL OR WOLF CREEK DAMS

Wilson County Tennessee is located in the northern portion of middle Tennessee. The Cumberland River constitutes the entire northern border of the county, a total distance of 52.8 miles of river frontage. And, there are a number of creeks and inlets which run south from the river into the county. The county is downstream from two dams, Wolf Creek Dam located in Kentucky and Center Hill Dam in Tennessee, which have been identified as deteriorating with leaks and damage to the dam structure and surrounding supporting terrain. Potentially either or both of these structures could fail either catastrophically, over a very short time frame, or over a period of hours, days, or weeks. Failure of either dam would have tremendous and unprecedented economic impact on numerous counties along the Cumberland River, including Wilson County.

This plan sets for emergency operations guidelines to be used in the preparation for and in the event of failure of either dam.

Center Hill Dam

Center Hill Dam is on the Caney Fork River in Dekalb County, Tennessee approximately 30 miles upstream from its confluence with the Cumberland River. The dam, a combination earth-fill and concrete structure 250 feet in height, was constructed in the 1940's to control floods, provide hydropower, recreation, navigation, water supply and water quality to the region. The main dam consists of a 1,382 foot long concrete structure and a 778 foot long earthen embankment. The dam powers three electric generating units with a switchyard located immediately downstream. State Highway 96 runs across the top of the dam.

Seepage, the movement of water through and under a dam, is an expected condition with all dams. However seepage must be controlled to keep the dam safe. Center Hill Dam was built on a karst limestone foundation which is prone to seepage and the original designers of the dam noted that due to the construction site this would be an issue that would have to be addressed throughout the life of the dam.

The Corps of Engineers monitored the dam as conditions slowly worsened to the extent that major rehabilitation is now needed to prevent erosion to the extent the integrity of the dam would be jeopardized. After congressional approval of funds in 2006 work was begun on fixing the problems. This includes modern concrete cut-off walls which will extend deep into the rock foundation and placing grout beneath and along both sides of the entire dam. This project, costing an estimated \$240 million, is expected to be completed in 2012.

Wolf Creek Dam

Wolf Creek Dam on Lake Cumberland is located in the western part of Russell County, Kentucky, or approximately 150 miles northeast of Nashville, Tennessee. Construction was begun on the dam in 1938 and completed in 1950. Wolf Creek Dam is the largest dam east of the Mississippi River and is the ninth largest reservoir in the United States. The dam, located on the Cumberland River, has a shoreline of over 1,200 miles, and holds 6.1 million acre-feet of water (enough water to cover all of Kentucky with three inches of water).

The dam has been leaking since its construction, but recent changes along the dam have proven serious enough that over 300 million dollars has been appropriated by the federal government to repair the dam and dam engineers have seen fit to bring the leakage of the dam to public attention. Wolf Creek Dam is rated worst of all dams in the United States. The geology of the area resulted in the dam being built upon limestone (Karst's geology) that, after being mixed with water over time, has slowly eroded the rock used to create the dam. Water is leaking through and underneath the dam and forming sinkholes and wet spots on the down river side and also has resulted in over 4,000 feet of the 5,600 foot (lengthwise) dam sinking approximately three inches.

In 1975 and continuing into 1979 the Corps of Engineers constructed a concrete wall behind the earthen portion of the existing dam in an effort to alleviate seepage problems. Additionally, the dam was fitted with instrumentation and increased inspections to monitor the dam's integrity. Observations in the early twenty-first century indicated a worsening of the seepage problem that, if left unchecked, might ultimately result in dam failure.

The repair process for Wolf Creek Dam is similar to that of Center Hill Dam. A new, and significantly deeper, concrete wall is being constructed behind the existing dam wall extending well into the bed rock under the dam. This three foot thick structure is being built using technology advances not available when the original wall was installed. This wall will extend further laterally than the original repair wall and adjoin the natural earth along side the dam. Grouting will also be used to fill overlapping holes drilled deeply into the earth behind the dam. This nine year \$308 million project is expected to be completed in 2014.

Failure of either dam will have significant impact on Wilson County which has 52.8 miles of Cumberland River frontage on its northern border in addition to a number of creeks which flow north from the county into the river. Depths of inundation for Wilson County are virtually the same for the failure of either dam and are dependent upon the level of the water in the lakes behind the respective dams. At the highest lake levels the flood waters would range from 40 to 50 feet deep at the Wilson/Trousdale County line down to 5 to 18 feet deep at the Wilson/Davidson County line. The Corps of Engineers has opted to maintain the lakes at the lowest feasible levels consistent with public needs and environmental issues such that the failure would reflect depths slightly above the lower levels.

It should be noted that there is no way to accurately calculate the exact depth and spread of water should either dam fail and that all data is based on estimates using the best available information and technology. Margins of error could be significant; therefore planning must address the worst case scenarios. Also, local conditions and depths will be affected by the formation of debris caused dams along bridges and culverts and washouts and scouring as the waters rise.

Center Hill Time Frames

The Corps of Engineers has projected a timeframe of approximately 7 hours from time of catastrophic failure to the initial rise of water at the Wilson/Trousdale County line, and an initial rise at approximately 10 hours after dam failure at the Wilson/Davidson County line. Greatest (peak) depth at the two locations previously mentioned will occur at 30 hours and 44 hours, respectively, after dam failure. Expected duration of flooding is three to four days.

Wolf Creek Time Frames

Wolf Creek Dam is considerably farther up river and has longer warning and reaction times than would exist with a failure of Center Hill Dam

The Corps of Engineers has projected initial rise at the Trousdale/Wilson County line will occur approximately 18 hours after dam failure and approximately 21 hours at the Wilson/Davidson County line. Greatest (peak) depth is estimated to occur at 5.3 days and 6.5 days after dam failure at these two locations. Expected duration of flooding is 12 to 14 days

POTENTIAL EFFECTS OF FLOOD WATERS ON WILSON COUNTY

Various types and amounts of damage will be incurred by businesses, residents, and agencies within the county. The will include major issues such as total loss of homes to the simple inconvenience of not being able to move freely about parts of the county. The following list provides examples of the effects on the county and its citizens:

1. Over 2,800 homes will be flooded (some completely submerged).
2. Residents will have to evacuate from areas of actual flooding and from areas that will be cut off due to flooding of access roads. Of particular concern are special needs residents who may need extra assistance in evacuating.
3. An estimated 118 roads will have one or more blockages due to high water with approximately 46 total miles under water in the county. Some of the highways and roads which will be blocked by rising water, include Highway 109, Saundersville Ferry Road, Nonaville Road, Saundersville Road, Highway 70 near Cedar Creek, Mayes Chapel Road, Cooks Road, Cairo Bend Road, Coles Ferry Pike, Academy Road, Horn Springs Road, and Highway 231.
4. Power outages will occur at various locations throughout Wilson County as the electric utilities shut down power to prevent damage and possible fires from shorted lines/wires. In the unlikely event of long term or major power outages local nursing homes and other health care facilities will have to move patients to safe areas outside of the county utilizing mutual aid agreements and other methods to temporarily relocate their residents.
5. Drinking water, especially from wells and springs, may become contaminated and some residents reliant upon alternate clean water sources (bottled, boiled, etc.). However, all water utilities in the county have contingency plans and will be able to supply potable water to a large number, if not all, residents of the county on their systems.
6. Hazardous materials problems will include underground gas storage tanks under water, floating propane tanks, and hazardous materials from residential and commercial structures floating in the water and ultimately coming to rest as debris.
7. Debris in general will be a problem, especially in the recovery phase as large amounts of debris will have floated onto roads, property, etc and lodged in bridges and all types of structures. During the initial stages with the rising flood waters debris lodged in culvert and around bridges may produce dams and cause localized flooding in excess of pre-flood estimates.
8. Sewage leaking from septic systems may become a problem in some areas. Municipal sewer systems will continue to operate but could suffer leakage in some low-lying areas.

9. Depending on the extent of flooding and the number of flood related illness and injuries the local hospital may have to restrict patient admissions to only those with true emergencies. And, existing non-critical patients may have to be released or transferred to non-flooded counties.
10. Wilson County will be competing with all counties involved in the flooding for resources of personnel and supplies.
11. Local emergency services personnel will be called upon to work long hours under stressful conditions while continuing to handle the normal call loads that occur within their respective jurisdictions.
12. Short term and then long term alternate housing will be required for residents whose homes have been damaged or destroyed, or for residents whose homes, though undamaged, are inaccessible because of road closures.
13. Schools will be closed at the onset of the flood and continue closed until into the recovery phase. This could range from as short a time as two to three weeks to several months.
14. Economic loss will occur to some businesses due to actual flood damage, but more routinely due to displaced employees and lack of traffic because of a displaced customer base.
15. Loss of livestock and damage to crops may be extensive. Dead or injured livestock will pose health and safety problems.
16. Heavy usage will result in increased wear on government (county and city) equipment with accelerated repair needs and costs.

PREPARATIONS PRIOR TO DAM FAILURE

The Corps of Engineers has taken a number of steps, including initiating media coverage and announcements and conducting informational meetings to inform the citizens of Wilson County and other counties in Tennessee and Kentucky about the possibility of dam failure and the steps citizens can take to prepare for and mitigate the effects of such failure should it occur. Wilson County Emergency Management Agency has held meetings and participated in discussions with groups and clubs within the county to publicize the potential hazards and how to address them on an individual level. Sheets with instructions on evacuation procedures have been distributed throughout the anticipated flood area.

Residents in the areas subject to flooding should familiarize themselves with the various warning and notification methods which will be used. The least warning time could be five to six hours from initial catastrophic dam failure to several days to a week or more if the failure is more gradual. Maps showing areas of possible flooding are available at the Wilson County Emergency Management Agency at 110 Oak Street In Lebanon, at Fire Station Four at 6171 Saundersville Road in Mt. Juliet, and at Fire Station 6 at 5873 Highway 109 North in Lebanon.

The most reliable and effective method of learning of dam failure or imminent dam failure is through the **National Weather Radio (NWS) System**. Immediately upon learning of failure or imminent failure the National Weather Service will activate the NWS radios and advise citizens as to what is happening and the immediate steps which must be taken. The Emergency Broadcast System will be activated and override commercial radio and television stations. It will provide important emergency information for citizens in Wilson and other affected counties.

Recommended actions to be taken by citizens and businesses include:

- Obtaining a weather radio. The weather radio alerting system will be a primary notification method should dam failure occur.
- Developing a family evacuation plan which will include determining items to take in an evacuation, such as important papers, medicines, pet food, pet cages, and clothes. Practicing your plan.
- Determining a safe location where the family members can meet should the possibility family members will not be together when evacuation is necessary.

- If there are school age children plans should be developed on who will pick them up if failure occurs during the school day as there will be no bus service. It is very important to note that schools will not release children to friends or family who are not PRE-NAMED on the school's records as being authorized to pick them up. Photo identification will be required to pick up children even if the person is on the listed of persons authorized to pick up a child. Telephoned authorizations from parents or guardians designating persons not on the list will not be accepted.
- Locating a safe refuge for the family – preferably away from Wilson or other counties which will be affected by dam failure – where the family can stay temporarily or longer.
- Establishing a contact person other than the immediate family who is outside of the affected area for check in purposes who can relay to family and friends that you are safe.
- Having a plan for pets. Take them with you and bring their food and cages, travel crates, and leashes. One shelter will have pet facilities nearby. However, pets will not be allowed in any Red Cross Shelter.
- Making arrangements for livestock. Limited space for horses and other livestock will be available at the Ward Agriculture Center and the Wilson County Livestock Sales Barn on West Main Street in Lebanon. Those with livestock should make pre-arrangements for the safety of and transportation and housing of livestock outside of the flooded area and preferably outside of Wilson County.
- Planning to turn off gas and electric utilities. If gas is provided by an on-site tank turn off the gas at the tank.
- Securing your property by locking all doors and windows.
- For businesses, establish a method of communicating with employees and, if appropriate, customers who have a critical relationship with the business.
- Considering purchase of flood insurance.

EMERGENCY NOTIFICATIONS

Initial notification of dam failure or the potential for imminent failure, which will require emergency services response, including evacuations, will be conveyed by the Corps of Engineers to TEMA and the National Weather Service. TEMA will immediately notify the Emergency Management Agencies in the affected counties. It will then be the responsibility of the respective Emergency Management Agencies to activate emergency operations in accordance with the County's Emergency Operations Plan and specific plans which address dam failure.

Immediately upon notification of dam failure or imminent failure the National Weather Service will activate weather alert radios and broadcast a message to the citizens of Wilson County and other affected counties. The National Weather Service message will provide information specific to Wilson County as well as general information and information specific to other counties.

Wilson County Emergency Management Agency Dispatch will tone all stations and broadcast special dam failure instructions over the Alpha radio channel.

Wilson County Emergency Management will activate warning sirens in the affected areas.

The Emergency Broadcast System will be activated and override radio and television programming to announce the dam failure,

If, during the school day or immediately prior to or after conclusion of the school day the Wilson County School System will utilize its cell phone notification system advising parents and guardians, who have registered for the service, of the emergency and how it relates to the Wilson County School System.

Electronic media, radio and television stations, in the mid-state area will be provided with information and instructions regarding what to advise citizens.

In Wilson County WANT Radio, FM 98.9, will be a primary notification and information source and will work closely with Wilson County Emergency Management to provide accurate and up-to-date information to the citizens of the county.

Unless a citizen is experiencing a true emergency they should not call 911 or other emergency services organizations. Instructions and guidance will be available via weather radio broadcasts and the local radio and television stations, especially WANT for those in Wilson County.

As part of the notification process emergency services vehicles equipped with public address systems will be in the areas expected to be flooded or cut off by flood waters. They will announce that dam failure has occurred or is imminent and advise citizens to evacuate immediately.

Once warnings are given residents are responsible for immediately evacuating to safe areas. While shelters will be opened in Wilson County, those evacuating are encouraged to stay with friends or relatives in counties not experiencing flood waters as resources in flooding counties will be severely taxed during the emergency. Neighbors are encouraged to assist neighbors, especially those who will need extra assistance in evacuating because of health or other disabilities. **Do not call 911 or other emergency numbers or services unless you have a true emergency. Listen to the weather radio or local radio and television stations for information.**

Approximately one hour after the initial notification of dam failure school buses from the Wilson County Schools and the Lebanon Special School District will begin traveling in the areas expected to flood. They will provide transportation out of the expected flood area for citizens with no other means of transportation. The buses will have only limited space for suitcases and other personal items and cannot wait for persons to bring large amounts of personal items on board. Citizens who lack personal transportation or who need special assistance to evacuate are encouraged to make definite arrangements, **prior to the dam failure's occurrence**, with friends or relatives to assist them in evacuating in a timely manner.

EMERGENCY OPERATIONS

Emergency operations will be conducted in accordance with the Wilson County Emergency Operations Plan, its Emergency Support Functions and Annexes. Additionally, each government body, public utility, or entity may implement their individual response plans in conjunction with and under the guidance of the Wilson County Emergency Operations Plan.

Upon notification of the occurrence of a dam failure event appropriate personnel will assemble at the Emergency Operations Center at 110 Oak Street in Lebanon to lead the response to the emergency. All Lead and Support agencies will carry out their functions as noted in the Emergency Operations Plan. Strategic planning and decision making will occur at the Emergency Operations Center.

The area around the Emergency Operations Center will be secured and no one admitted to the secured area without proper authorization. The secured area will include Oak Street from West Main to Spring Street. Barriers and law enforcement presence will be utilized to facilitate security.

FORWARD COMMAND CENTERS

Forward Command Centers/Mobile Command Posts will be located close to the flooding areas throughout the county. These centers will perform size-up and address tactical operations and decision making.

Forward Tactical Command Centers will be positioned at four locations designated "West," "Central," "North," and "East" Commands respectively. Locations for these command centers:

West – Lighthouse Assembly of God Church Parking Lot
Corner of Saundersville Road and Saundersville Ferry Road
Mt. Juliet

Includes area from Davidson/Wilson County line east to, but not including, Benders Ferry Road.

Central – Cedar Ridge Church Parking Lot,
South Side of Highway 70 in Vicinity of 7900 Lebanon Road
Lebanon.

Includes Benders Ferry Road east to and including Horn Springs Road.

North – Berea Church of Christ Parking Lot
5555 Coles Ferry Pike
Lebanon

Includes area east from, but not including Horn Springs Road to and including Highway 231 North to Cedar Grove Road.

East - Freedom Acres Subdivision off Philadelphia Road
On Roadway at Top of Rise In 200 Block of Peace Avenue
Lebanon

Includes Cedar Grove Road and Belotes Ferry Road and all roads off of Belotes Ferry Road, north to the Trousdale and Sumner County lines, also Highway 231 North north of Cedar Grove Road and all areas east of Highway 231 North to the Trousdale and Smith County lines.

STAGING

Staging of equipment and personnel to support the operations will be as established and directed by the Emergency Operations Center Incident Commander. Available sites have been identified for this function.

West – Green Hill Church Parking Lot
13251 Lebanon Road
Mt. Juliet

Central – Fellowship Baptist Church Parking Lot
7175 Lebanon Road
Lebanon

And the Gravel and Rock Lot North of Highway 70 and Immediately West of Highway 109 N

North – Friendship Christian School Front Parking Lot
5400 Coles Ferry Pike
Lebanon

East - Freedom Acres Subdivision off Philadelphia Road
On Roadway On Freedom Drive Between Liberty and Justice Lanes
Lebanon

10/28/2008

RADIO COMMUNICATIONS

Normal daily Wilson County Emergency Management Operations will continue to operate on Alpha and Bravo channels.

Forward Command Posts will utilize radio frequencies as noted below:

West Command will operate out of a Battalion Chief's vehicle and utilize the "Hazmat" frequency, 154.175 with a PL of 192.8.

Central Command will operate out of the Mobile Command Post and utilize the "Administrative" frequency, 154.310 with a PL of 100.00.

North Command will operate out of a Battalion Chief's vehicle and utilize the "VTAC 1" frequency, 151.1375 with no PL tone.

East Command will operate out of the Training Officer's vehicle and utilize The "Firecom" frequency, 155.175 with a PL of 192.8.

Forward Command Posts will communicate with the Emergency Operations Center on "Bravo" channel, frequency 154.0550 with a PL of 192.8.

SHELTERS/EVACUATION CENTERS

American Red Cross Shelters/Evacuation Centers will be opened in several locations throughout the county.

Initial shelter locations will be at the locations listed below. A pet shelter will be established adjacent to the shelter at College Hills Church of Christ in Lebanon for those who are evacuating with pets.

St. Stephen Catholic Church
14544 Lebanon Road
Old Hickory, Tennessee 37138

First Baptist Church
735 North Mt. Juliet Road
Mt. Juliet, Tennessee 37122

College Hills Church of Christ
(Pet Shelter Adjacent)
1401 Leeville Pike
Lebanon, Tennessee 37087

(Continued on Next Page)

Shelters for those with special needs or functionally disabled will be located at:

The Lebanon Senior Citizens Center
670 Coles Ferry Pike
Lebanon, Tennessee 37087

The Mt. Juliet Senior Citizens Center
2034 North Mt. Juliet Road
Mt. Juliet, Tennessee 37122

Service animals such as Seeing Eye dogs are welcome at all shelters.

Limited space for livestock will be available at the Ward Agriculture Center and the Wilson County Livestock Sales Barn on West Main Street in Lebanon. Pre-arrangements should be made to evacuate and house livestock away from the flooded areas and out of the county if possible.

Additional shelter sites are available and will be opened if the need arises.

PERSONNEL AND STAFFING

Upon dam failure or notice of imminent failure all government and related agencies, such as the American Red Cross and Baptist Association, will mobilize their personnel in accordance with their respective emergency plans.

“Routine “operations will continue for all agencies such that mutual aid and qualified and credentialed volunteers will be needed to supplement existing staffs.

MUTUAL AID

Mutual Aid Agreements specific to responding to dam failure and other more general mutual aid agreements will provide assistance from government services based in counties not affected by the flood emergency.

Any unit, department, or agency self-responding, without first being requested by a Wilson County agency or department, will be denied access to operating within the county.

Those persons officially responding on mutual aid from other counties will be dressed in their working uniforms complete with badges and identification. Uniforms and badges are to be worn at all times while conducting flood operations. The Wilson County Emergency Management Agency or other Wilson County Department to which they are assigned will be responsible for daily check in and check out of mutual aid personnel, using field staff lists, to ensure their safety and denote any needs or problems which should be addressed. Rosters listing the department and names of all mutual aid personnel will be maintained at the Emergency Operations Center. These rosters will be checked against field staff lists on a daily basis.

Mutual aid companies and units will be placed into service assisting in addressing the emergency upon their arrival in the county. They are not to be held in reserve except under unusual circumstances. Mutual aid units shall not be used in responding to "routine" emergency or other types of calls unless Wilson County units are unavailable and the mutual aid unit is readily available, staffed, and equipped to address the specific incident.

The sponsoring government agencies providing mutual aid are responsible for accurately recording all personnel times and charges (equipment, fuel, etc.) and providing this information to the Wilson County Emergency Management Agency within seven calendar days after the mutual aid units/personnel return to their home counties/cities/departments. Accurate and timely reporting of expenses will expedite reimbursement.

VOLUNTEERS

Civilian Volunteers (not previously associated with WEMA) can provide additional resources during the emergency. However, only volunteers who are formally accepted and credentialed will be allowed in the flood operations areas. A special identification card will be issued to each volunteer and is not transferable. This identification card must be carried by each volunteer and produced upon request to validate their identity and presence.

All Volunteers will be processed through a reception area that will be established specifically for this purpose.

ACCOUNTABILITY

All agencies and department will be responsible for maintaining accountability for all personnel, staff, mutual aid, and volunteers, who are assigned to them. If, at any time, there are questions regarding the location and/or safety of any person the supervisor of that person will cease operations and perform an accountability check. Discrepancies will be immediately reported to the Emergency Operations Center. Each forward operations center/command post will have one person whose duty is the accountability for all personnel working from/at that location.

ALL PERSONNEL OPERATING ON OR NEAR THE FLOOD ZONES WILL BE REQUIRED TO WEAR PERSONAL FLOTATION DEVICES (LIFE VESTS) AT ALL TIMES. ADDITIONALLY, ALL BOATS WILL CARRY EXTRA PERSONAL FLOTATION DEVICES FOR PERSONS WHO ARE PLACED IN BOATS DURING RESCUE OPERATIONS. ANYONE REFUSING TO WEAR A PERSONAL FLOTATION DEVICE WILL NOT BE ALLOWED TO PARTICIPATE IN WATER RESCUE OPERATIONS.

All personnel are to utilize personal safety equipment, goggles, gloves, helmets, etc., when working during the flood operations.

PUBLIC INFORMATION

A media center will be established at Byars Dowdy Elementary School located at 906 Hickory Ridge Road in Lebanon.

News media will not be allowed access to the flooded areas unless escorted by law enforcement. News media will not be allowed access to the Emergency Operations Center without the approval of the Director of Wilson County Emergency Management or the County Mayor.

Briefings will be held each day at 1000 and 1600 for all officials working at the Emergency Operations Center. The news media should select a pool of three of their members to attend this briefing and report back to other media representatives.

Wilson County Emergency Management will conduct media briefings each day at 1300 hours at the media center or as established by the Public Information Officer. All media releases will be cleared through the Emergency Operations Center to insure accuracy and consistency. Additional media briefings will occur as needed to insure a smooth and credible source of information is available to the public.

SCHOOL SYSTEMS

All public and private school systems in Wilson County will follow these guidelines. Cumberland University will be informed of the emergency at its onset and take actions the university deems appropriate.

All public and private school systems will be closed in the event of dam failure and remain closed until county officials determine it is safe to reopen the schools. The exact time of closing will be established by the WEMA Director in consultation with the directors of the Wilson County Schools and the Lebanon Special School District.

The WEMA Director will, in consultation with the directors of the Wilson County Schools and the Lebanon Special School District, determine when it is safe for schools to reopen. No school system shall reopen without the express written approval of the Wilson County Mayor and the Director of Wilson Emergency Management Agency.

If dam failure occurs during the school day, which begins at approximately 7:00 AM and runs through 3:15 PM, all schools will be ordered to close. School bus service will not be available to return children to their residences or caregivers. Broadcasts over the Weather Radio Alert System and local and mid-state electronic media will advise parents and guardians to come to the schools and pick up their children. In order for a school to release a child to an adult that adult will have to have been listed and currently appear on the school's list of persons authorized to pick up the child. The individual picking up the child, including parents, will be required to show a valid photo identification to take custody of the child. Those picking up children must realize that pickup procedures will be time consuming due to traffic and the necessity to protect the children by requiring valid identification of those performing pick-up.

Parents should make arrangements to ensure timely pickup of their children. School staff will remain so long as any children remain at the facility.

If children are on a field trip or attending a sports event as part of a school function those in charge of the field trip or event will be immediately notified to terminate the event or travel and return to Wilson County. If time frames permit they will return to their school. If, however, the group will have a lengthy return and arrival they will be routed to a safe and secure facility where they can be picked up by authorized parents, guardians, or caregivers. This will be announced through radio and television messages, especially over WANT, FM 98.9 in Lebanon.

Special Instructions for Carroll – Oakland Students and Parents

Carroll-Oakland is not expected to flood, however, all of the roads immediately around the school are expected to flood and the school isolated. Upon initial notification of dam failure Carroll - Oakland parents and guardians can pick up children at the school as is occurring at other schools throughout the county. Once the nature of the dam failure is determined and the time of arrival of first water rise in Wilson County is estimated, local school officials will set a time after which Carroll Oakland students will be bused out of the potential danger zone to the Lebanon High School gymnasium where they may be picked up. Once children are loaded on the buses for transport to Lebanon High School they will not be released to parents or guardians until after arrival at Lebanon High School. Law Enforcement Officers will provide escort from Carroll - Oakland to Lebanon High School and security at the High School Gym until all children are accounted for and with their parents or guardians. To pick up a child the person, including parents, must be on the designated list of those who may pick up the child and must present a valid photo identification.

AIRCRAFT AND AIRSPACE

TEMA will make the necessary provisions and work with the FAA to control and restrict airspace over the affected areas. It is anticipated that flight activities will be restricted to only official aircraft serving emergency services in the area. It is also expected that the Lebanon airport will be closed to all except aircraft engaged in emergency operations. TEMA and the FAA will be responsible for all activities to establish and support aircraft operations.

RESPONSIBILITIES

All government services are expected to continue to perform critical functions that occur daily within the county. Depending on the resources available, non-critical operations may be suspended or discontinued until after the end of the emergency.

WILSON EMERGENCY MANAGEMENT AGENCY:

Management and coordination of disaster operations. This includes management of the Emergency Operations Center and forward command posts and operations centers, and disaster related fire suppression, ambulance service, rescue and hazardous materials responses.

SHERIFF'S DEPARTMENT:

Management of traffic control points with priority given to one way evacuation routes, security, evacuation of residents, road closures, identification of SCAN residents within Wilson County

MT. JULIET POLICE DEPARTMENT:

Management of traffic control points with priority given to one way evacuation routes), security, evacuation of residents, and road closures within city limits of Mt. Juliet Assist the Wilson County Sheriff's Department with similar functions in the county.

LEBANON POLICE DEPARTMENT:

Manage traffic control points and provide security at designated shelters, both within the city of Lebanon and throughout the county. Assist the Wilson County Sheriff's Department as directed.

LEBANON FIRE DEPARTMENT:

Provide mutual aid to WEMA for rescue operations and fire suppression.

WATERTOWN VOLUNTEER FIRE DEPARTMENT

Provide mutual aid to WEMA for rescue operations and fire suppression.

HOSPITALS:

University Medical Center (UMC) will initiate emergency operations in accordance with the hospital's emergency plan. Admissions will be limited to patients with critical needs. Depending on the severity of the emergency all non critical patients may have to be transported to mutual aid facilities outside of the flood threat area using private ambulance services.

TENNESSEE DEPARTMENT OF TRANSPORTATION (TDOT)

TDOT will block the federal and state highways which will be flooded. Signage will be installed to direct traffic depending on the level of the emergency and the traffic flows on state and federal roadways.

COUNTY ROAD COMMISSION:

Provide and place barriers to close roads. Provide signage to direct traffic. Work to keep culverts and drains clear of debris if this can be done safely.

As water recedes clear roads and bridges of debris to enable access to the previously flooded areas.

LEBANON PUBLIC WORKS:

Assist Wilson County Road Commission.

MT JULIET PUBLIC WORKS;

Assist Wilson County Road Commission.

SCHOOL TRANSPORTATION DEPARTMENTS (WILSON COUNTY SCHOOLS AND LEBANON SPECIAL SCHOOL DISTRICT)

School buses will be used to transit pre-established evacuation routes to assist citizens who do not have other means to evacuate from the flooded areas. Buses will run their routes and discharge at a designated shelter facility.

LEBANON SPECIAL SCHOOL DISTRICT:

Daycare facilities may be requested to open so that the children of emergency workers can be cared for by licensed childcare workers during emergency operations.

COUNTY PLANNING/GIS AND PROPERTY ASSESSOR:

Provide personnel to aid in creating maps and accessing information from GIS database.

Appendix A

Script to be read from mobile notification vehicles announcing dam failure and need for residents to evacuate.

- **Attention! Attention!**
- _____ **Dam has failed**
(Insert Center Hill or Wolf Creek in the Blank Above.)
- **The Cumberland River will be flooding this area.**
- **Evacuation is mandatory**
- **Take your pets and leave immediately**
- **Place your Yellow EVAC sign in your front window or on your front door as you evacuate.**
- **Tune to WANT, 98.9 for more information.**
- **Evacuation is mandatory!**

Appendix B

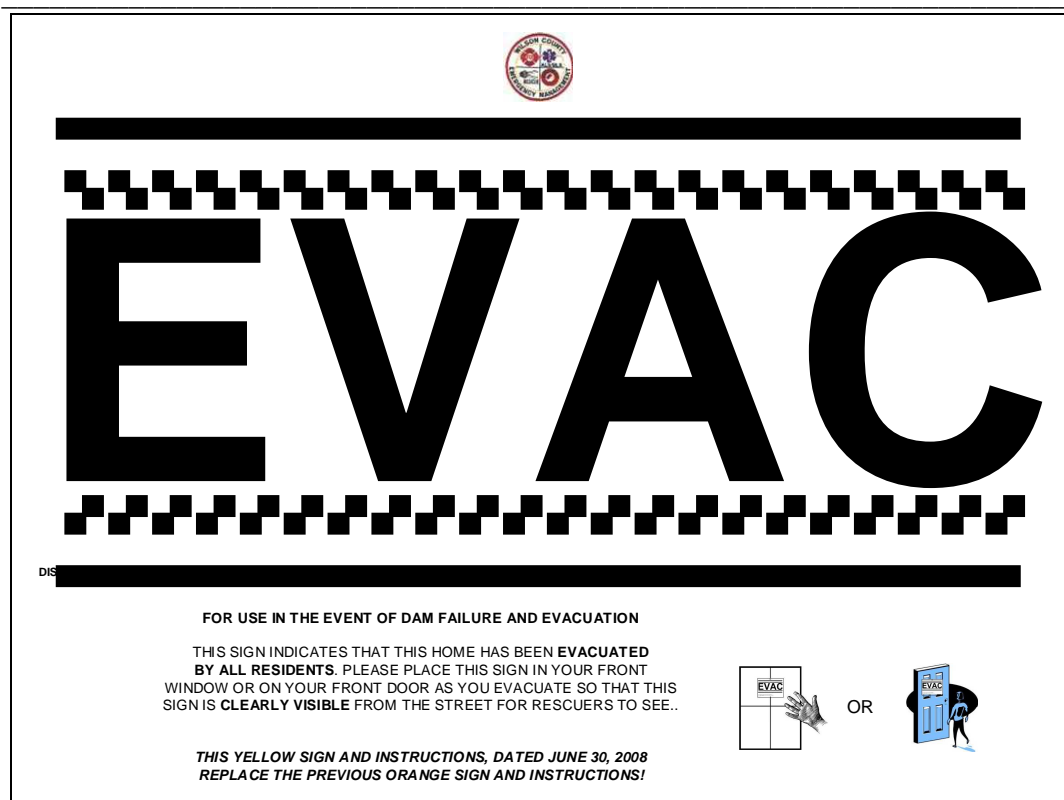
Evacuation Sign and Instructions

Follow instructions regarding evacuation.


Place sign in a front window or on the front door when the residence is evacuated so rescuers and law enforcement will know the house is empty.

Actual sign is on yellow paper and is 8½ inches by 11 inches.

Front:



Reverse side of sign.



DIRECTIONS FOR EVACUATION

- Remain calm, but do not hesitate to evacuate.
- Listen to Weather Radio, Commercial Radio and Television for information.
- Account for all family members, pets and other animals/livestock. Bring your pets with you.
- Collect only ESSENTIAL items to take with you (change of clothes, shoes, important family documents).
- Take personal photo identification for each member of your family with you and have proof of your home address (driver's license, utility bill, etc.) You will need this for returning to your residence
- Collect all of your MEDICINE and bring it with you. Pack any medicine that needs refrigeration in a cooler or in a waterproof bag surrounded by ice. (Prescription AND non-prescription medications such as aspirin)
- Bring cash, checks, credit cards to purchase food, water and other essentials if, due to the nature of the emergency, you are gone for an extended period of time.
- Other items you may need: flashlights, blankets, sleeping bags, first aid kit, extra glasses, sanitation items, extra batteries, battery powered radio, leashes, crates, pet food, medication for pets, & photos of each person and pet traveling with you.
- A reminder that WEAPONS are PROHIBITED at all emergency shelter locations.

- After an emergency is declared the following shelters will be opened first. Other shelters may be opened as needed. Listen to radio and television for information.
 - St. Stephen Catholic Church, 14544 Lebanon Road, Old Hickory
 - First Baptist Church, 735 North Mt. Juliet Road, Mt. Juliet
 - College Hills Church of Christ, 1401 Leeville Pike, Lebanon

- If you need of transportation, school busses will be in the area anticipated to flood to provide transportation to the closest evacuation shelter (see above). If you are physically unable to make it to your street to get on the bus, call WEMA at 444-8777 so assistance can be sent to you.

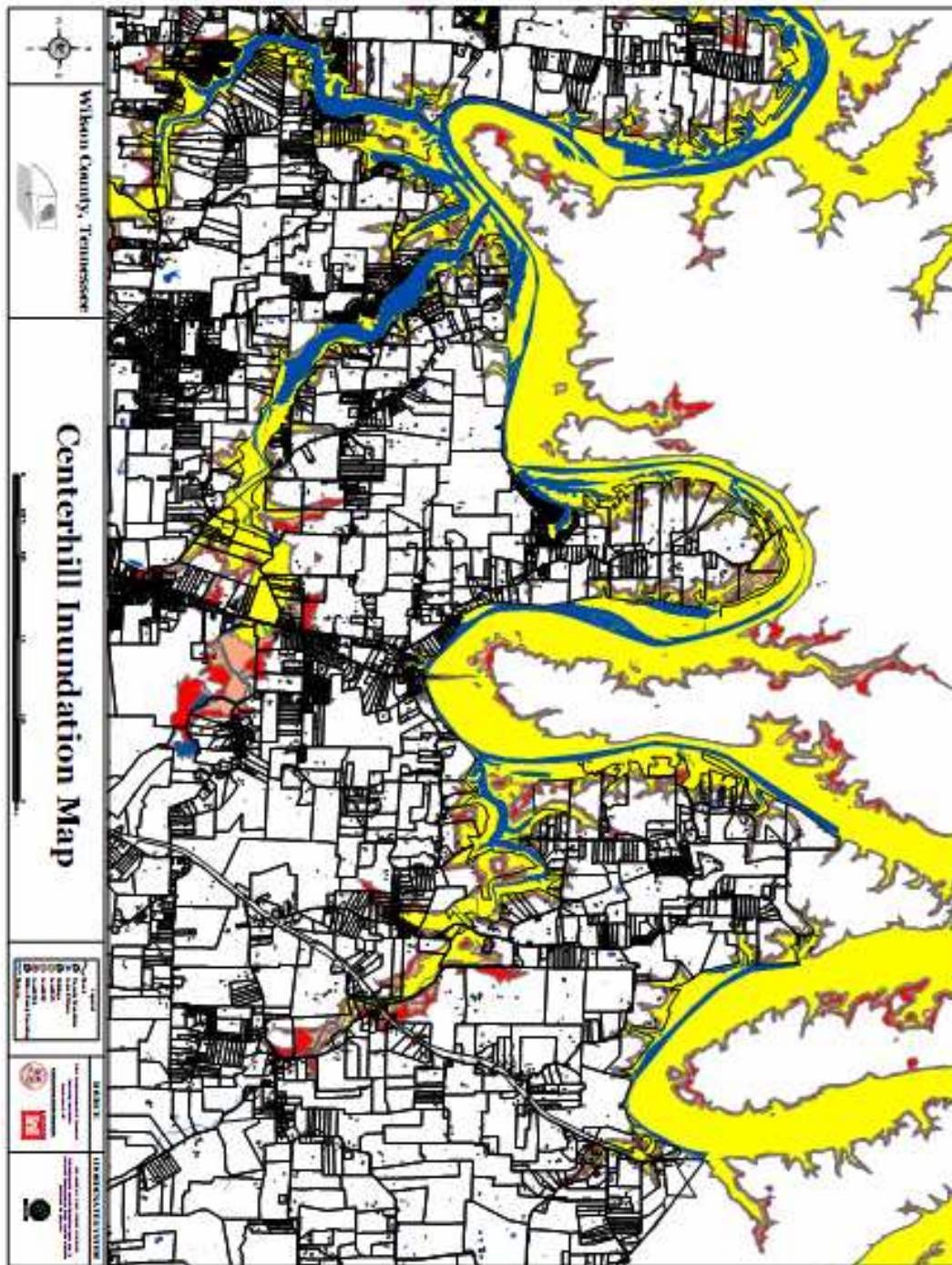
- CALL 911 ONLY IF YOU HAVE AN EMERGENCY. DO NOT CALL 911 FOR INFORMATION.

- Put this sign in your home window or on the front door of your home as you leave/exit/evacuate so that it is clearly visible from the street for rescuers to see.

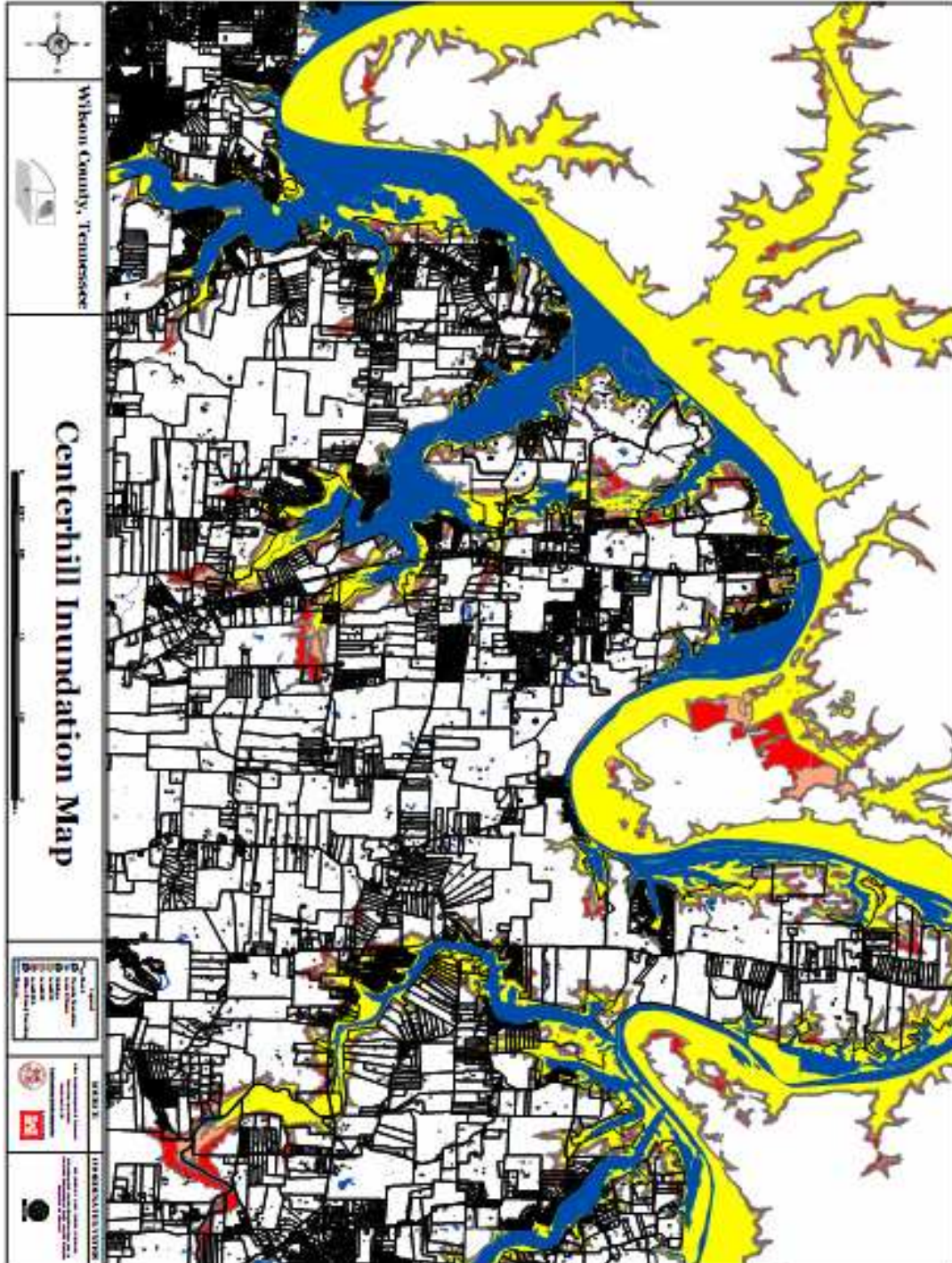
THIS YELLOW SIGN AND INSTRUCTIONS REPLACE THE PREVIOUS ORANGE SIGN AND INSTRUCTIONS!

**Appendix C – Revised 10/07/08
Center Hill and Wolf Creek Failure Produce Virtually Identical Flooding
For More Specific Information Contact the WEMA Planning Officer**

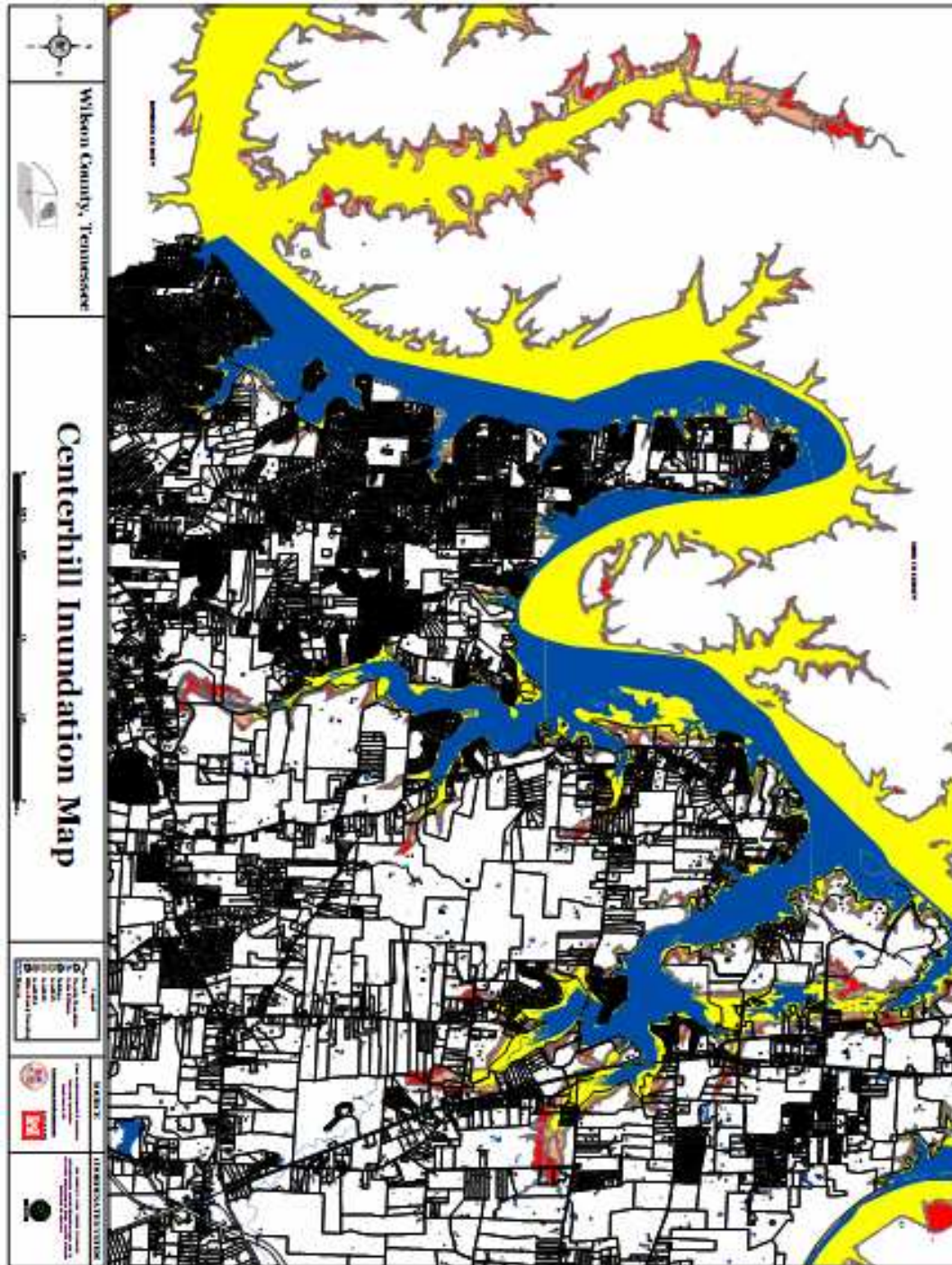
Inundation Map - East



Inundation Map – Central



Inundation Map – West



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