

CALDWELL COUNTY EMERGENCY MANAGEMENT



**Robbie Wilkie, Emergency Services
Director**

828-757-1419

Kenneth A. Teague
EM Coordinator

Major (US) Disaster Declarations for Caldwell County

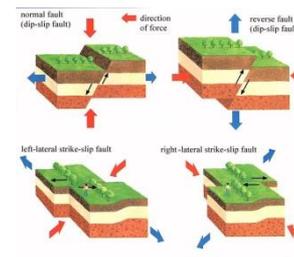
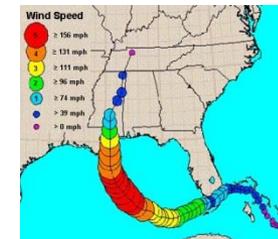
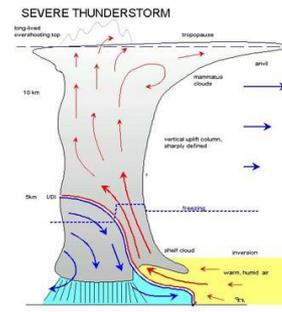
Event	Declaration Date	Declaration Number	County(s) in the Planning Area Declared
Tornadoes	04/12/1974	DR-428	Burke, Caldwell
Severe Storms and Flooding	11/09/1977	DR-542	Burke, Caldwell, Catawba
Tornadoes	05/10/1989	DR-827	Catawba
Hurricane Hugo	09/25/1989	DR-844	Alexander, Burke, Caldwell, Catawba
Blizzard of '96	01/13/1996	DR-1087	Alexander, Burke, Caldwell, Catawba
Storms/Flooding	02/23/1996	DR-1103	Alexander, Burke, Caldwell, Catawba
Severe Ice Storm	12/12/2002	DR-1448	Alexander, Burke, Caldwell, Catawba
Tropical Storm Frances	09/10/2004	DR-1546	Alexander, Burke, Caldwell, Catawba
Hurricane Ivan	09/18/2004	DR-1553	Burke, Caldwell
Severe Winter Storms and Flooding	02/02/2010	DR-1871	Burke, Caldwell
Severe Storms, Flooding, Landslides, and Mudslides	09/25/2013	DR-4146	Burke, Caldwell
Severe Storms, Flooding, Landslides, and Mudslides	10/29/2013	DR-4153	Catawba

Source: Federal Emergency Management Agency.



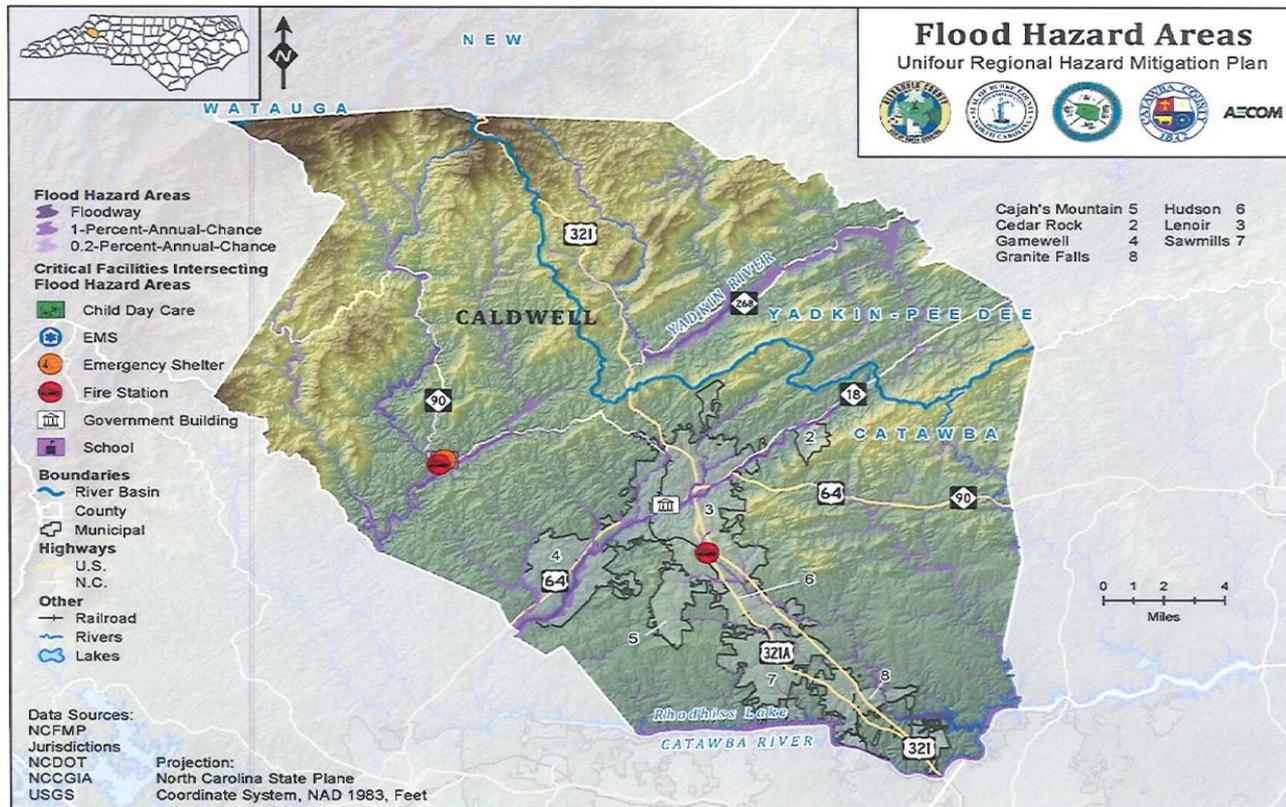
What is our Natural Hazards

- Flooding, Erosion, Landslide
- Dam failures
- Drought
- Thunderstorm
- Tornado
- Winter Storms
- Hurricane / Topical Storms
- Earthquake
- Sinkhole
- Wildfire



Flooding, Erosion

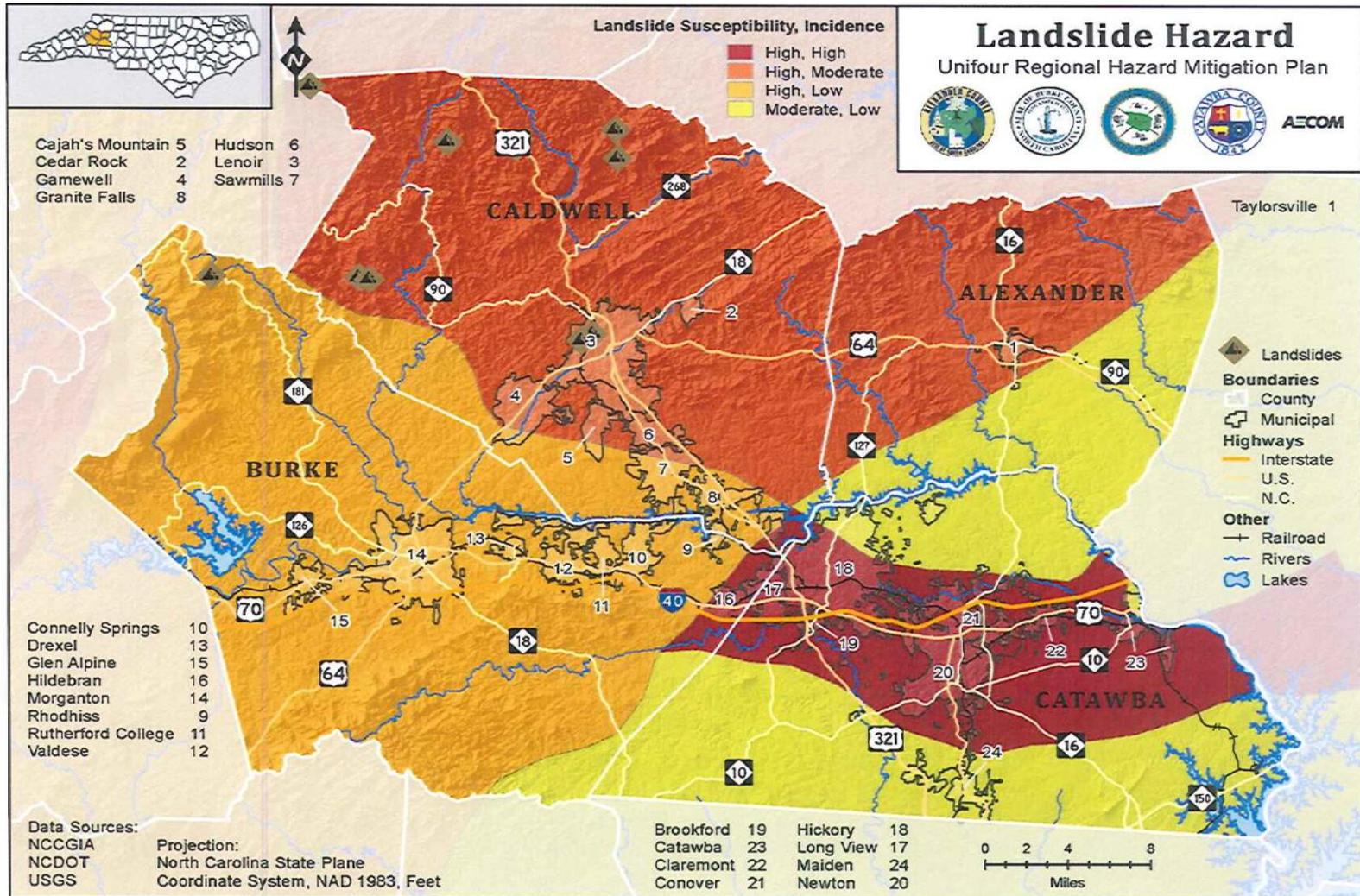
<http://www.ncfloodmaps.com/>



1880s to present day dealing with Flooding in Caldwell County



Landslides

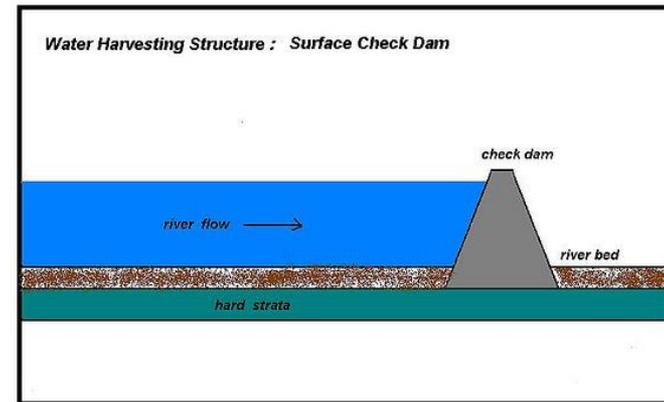


Patterson – Landslide 2013

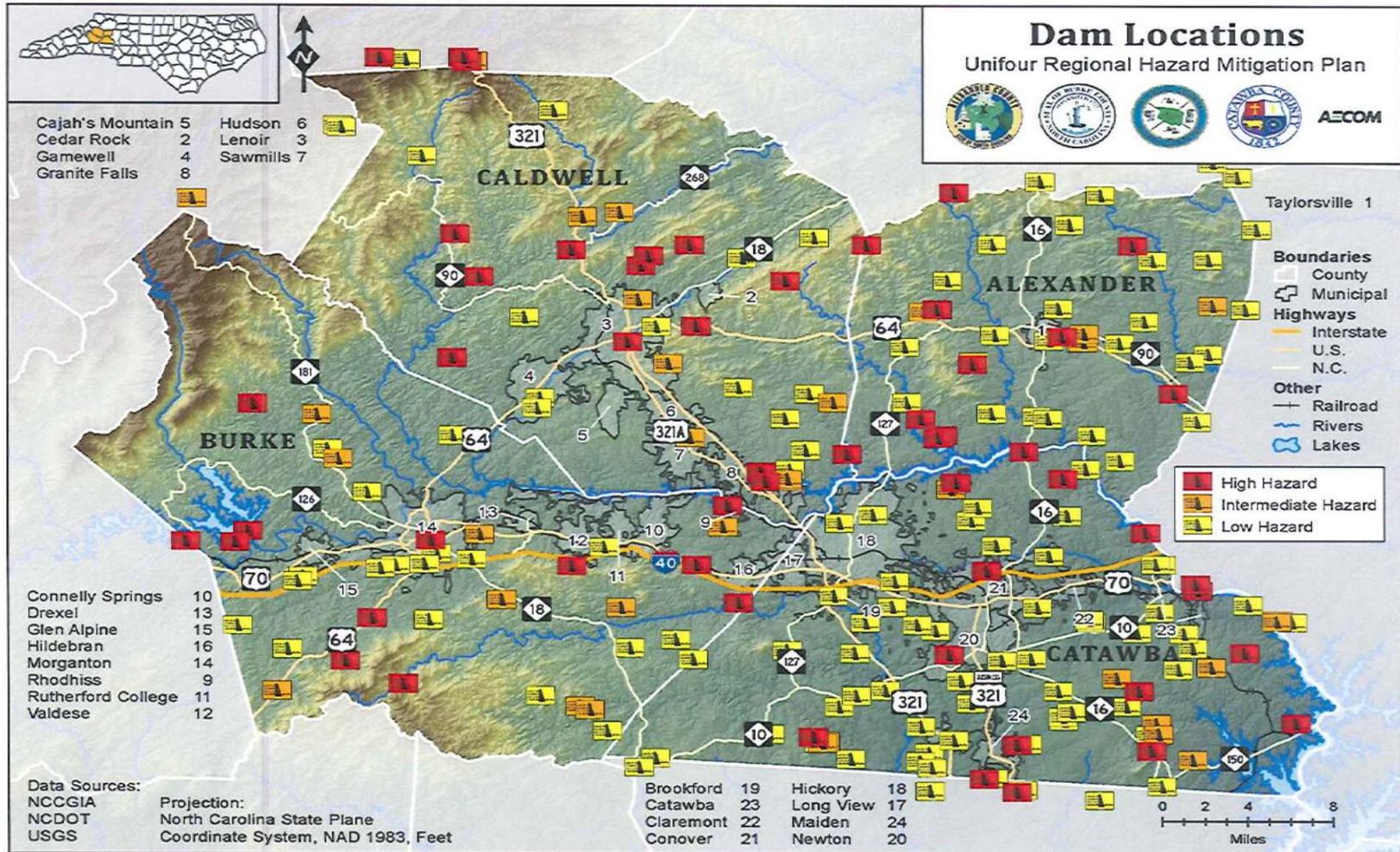


Dam Failures

- Caldwell County:
- 15 - High Hazard Dams
- 9 - Intermediate Hazard Dams
- Dams not reported.

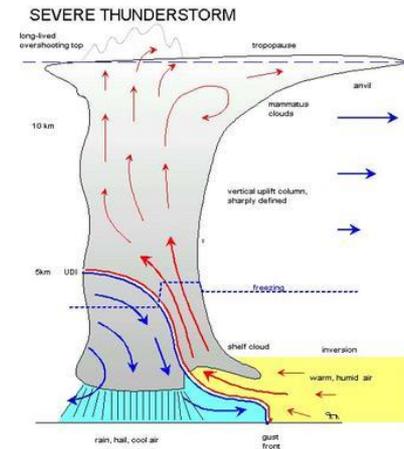


Map of dams in our region



Thunderstorm / Tornado

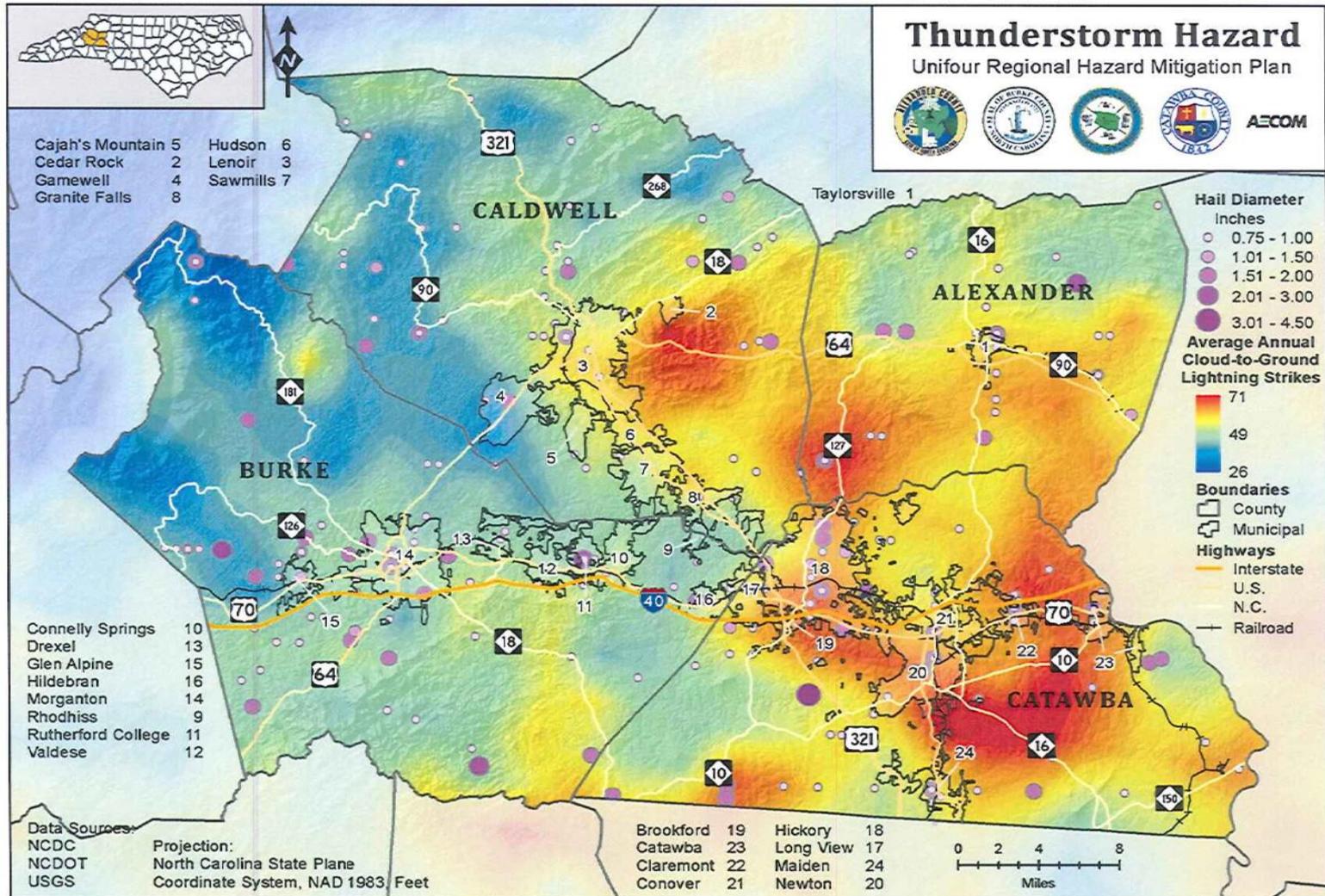
- Caldwell County has had during the period of 1996-2012:
- 74 Thunderstorms with High Wind Event
- 78 Hail events with damage.
- 8 Tornadoes (1 F4)



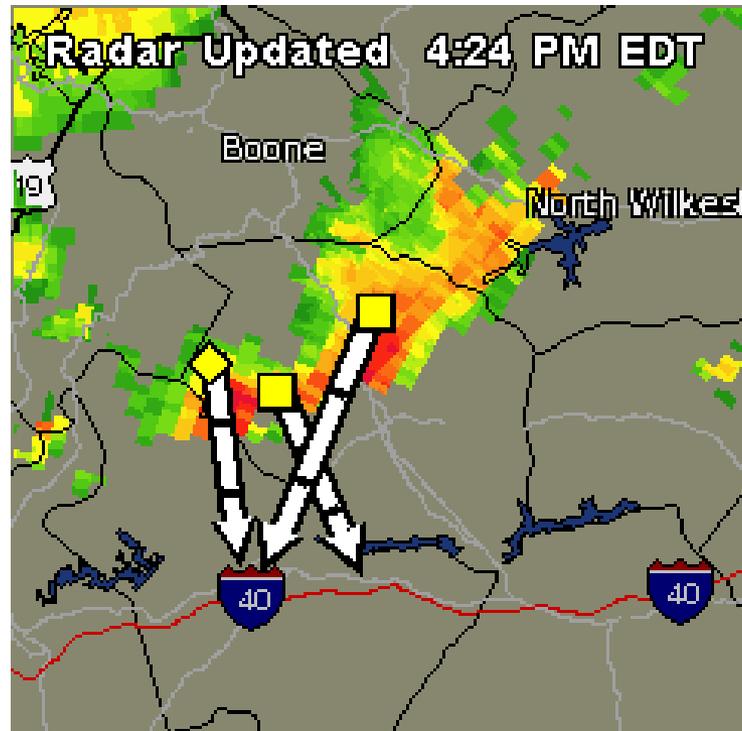
Wall Cloud – Walmart in Lenoir



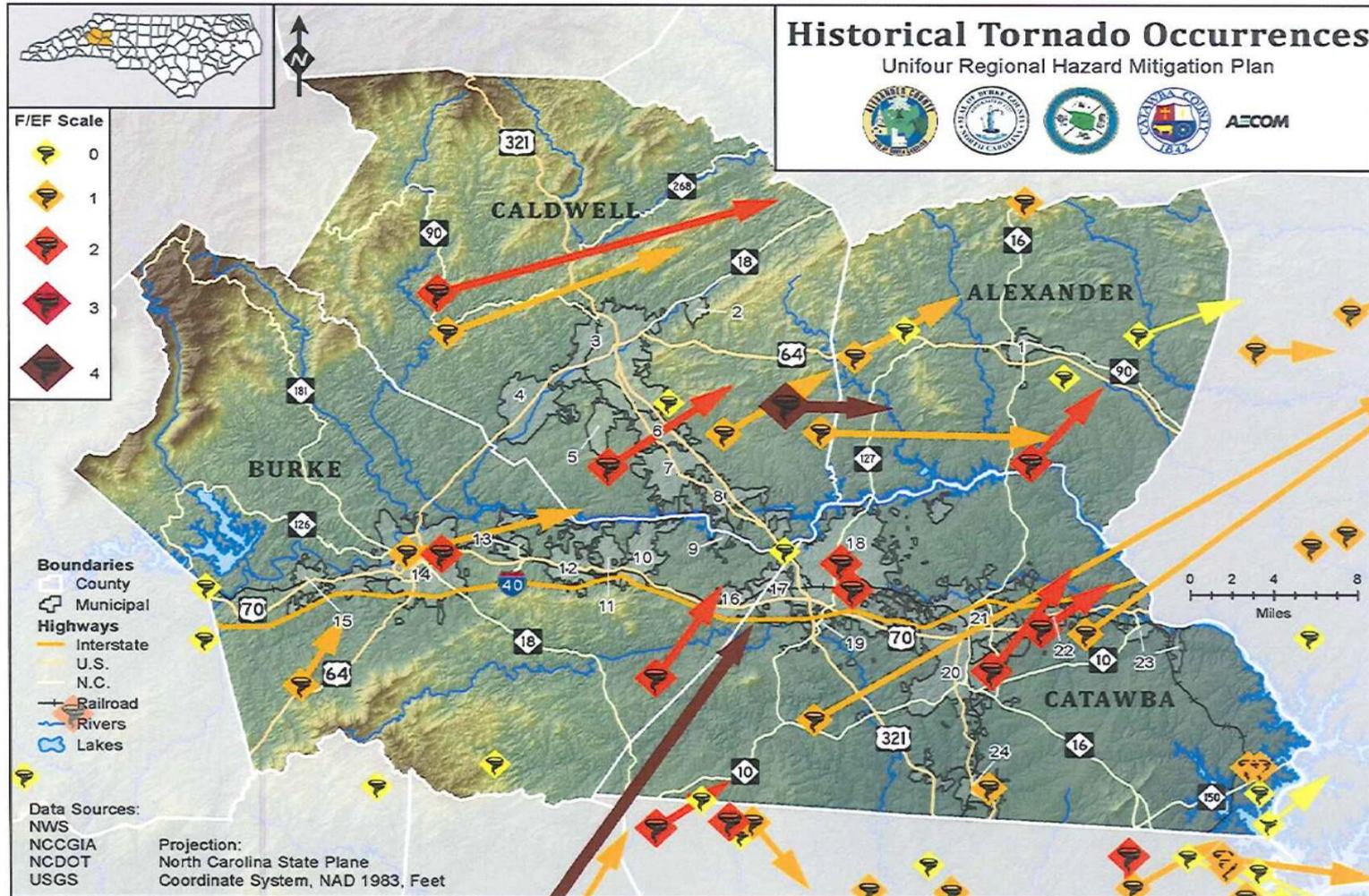
Map with Thunderstorm Data



Radar – Evening Thunderstorms

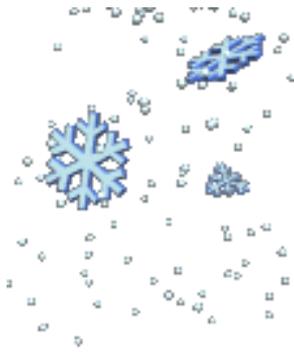


Map of Tornadoes in the Region

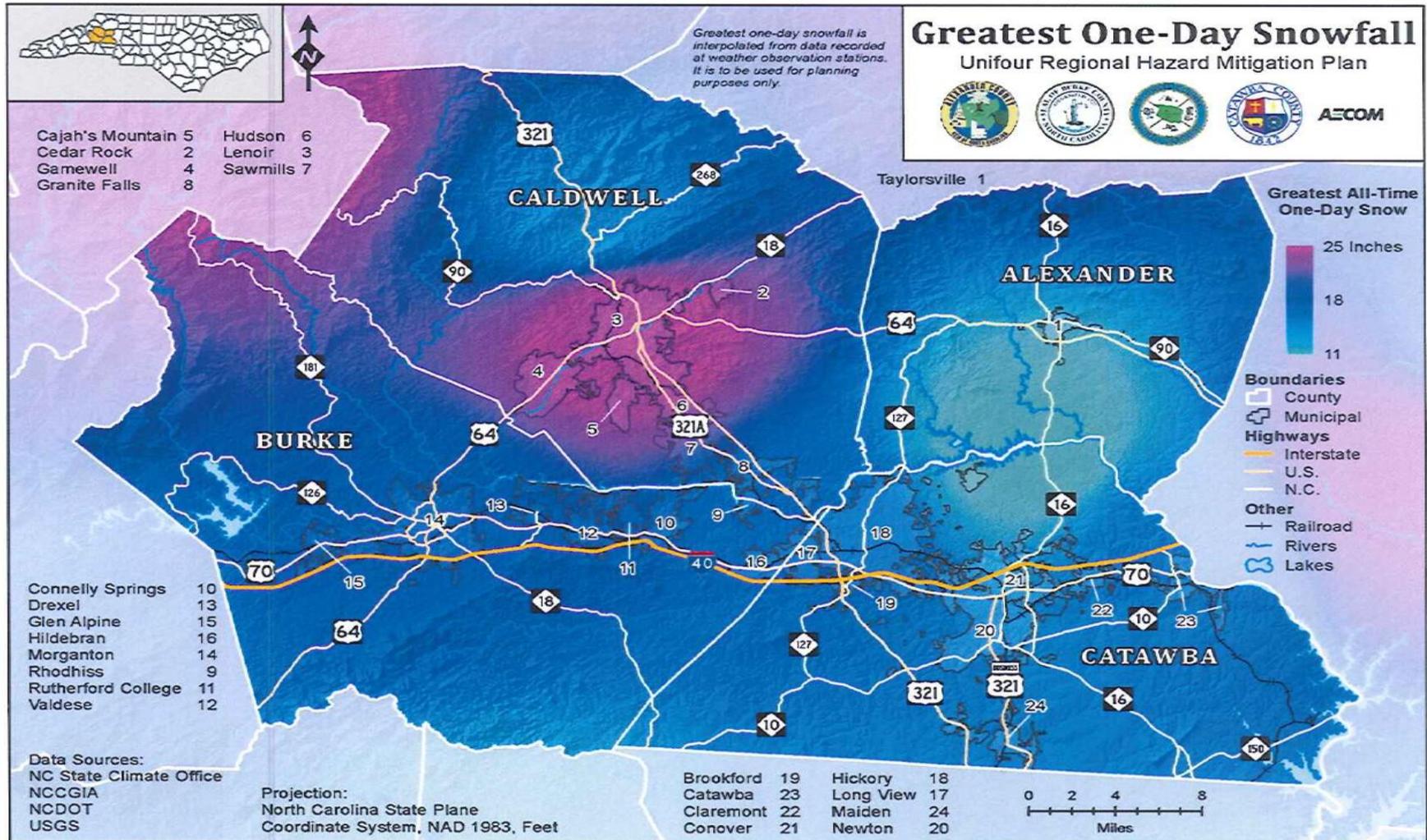


Winter Storms

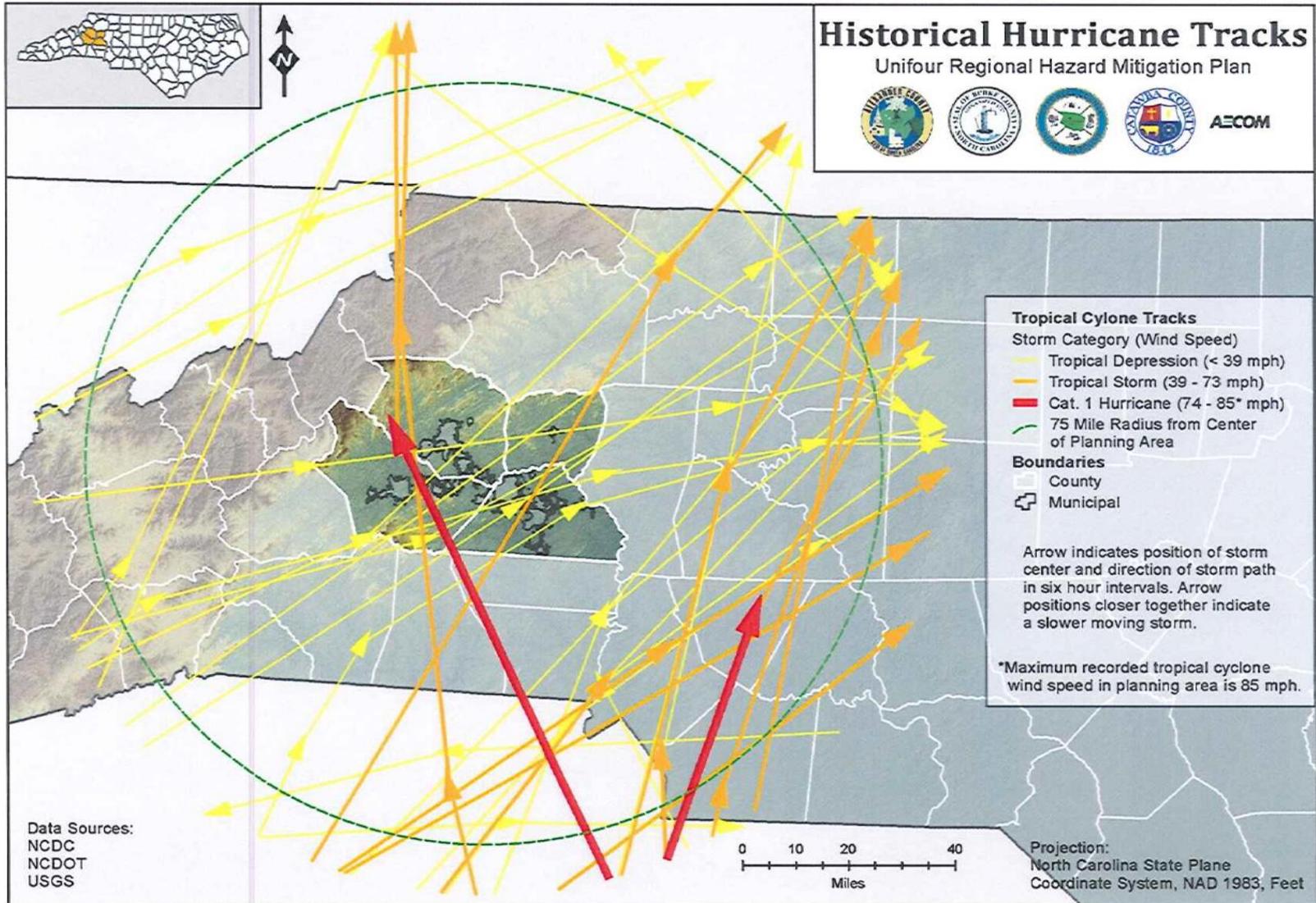
- Caldwell County Snow fall amounts for the year average range:
- 53.5 inches on Calloway Peak
- 2.7 inches in Granite Falls



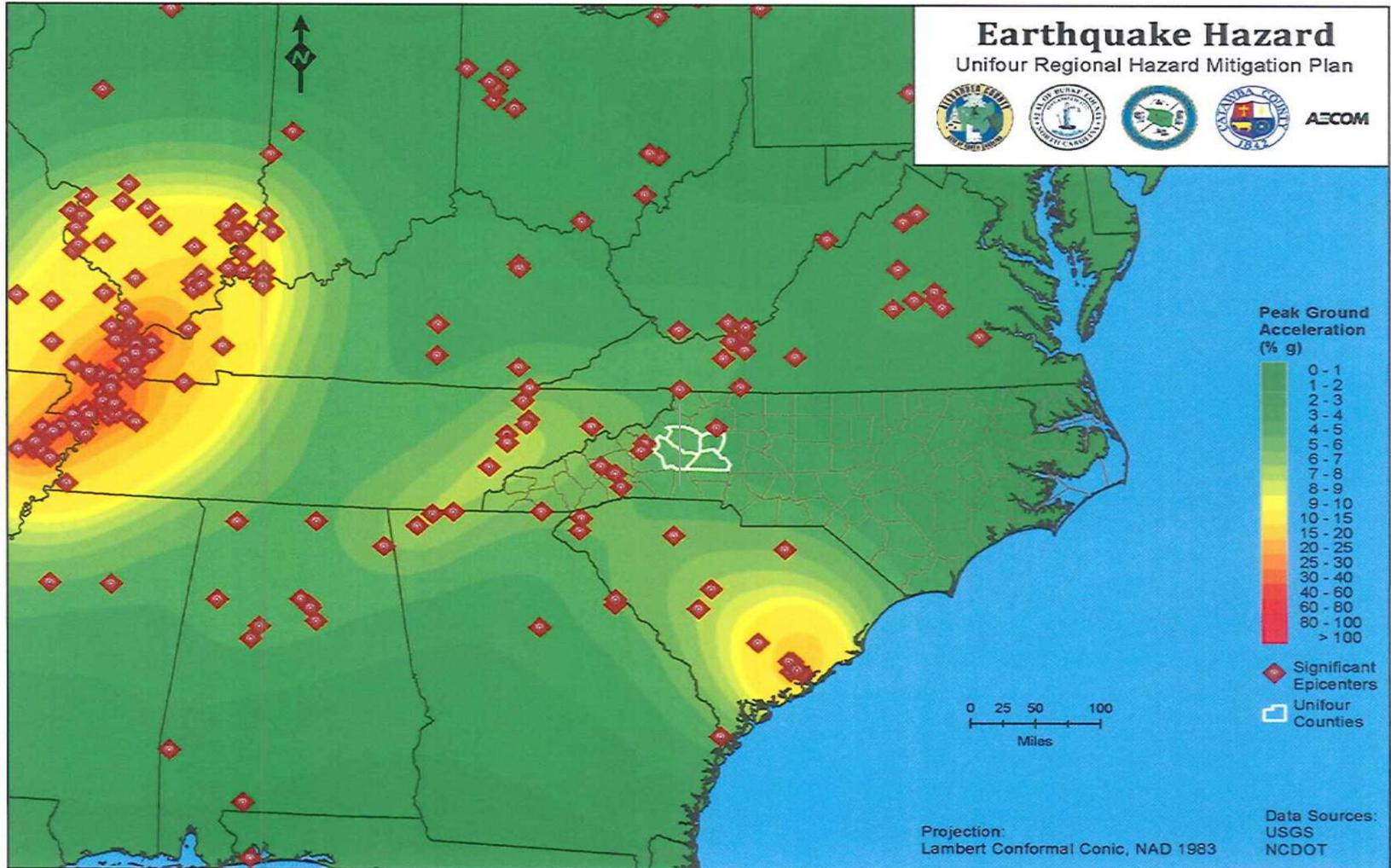
Greatest One Day Snow Fall



Hurricane / Topical Storms

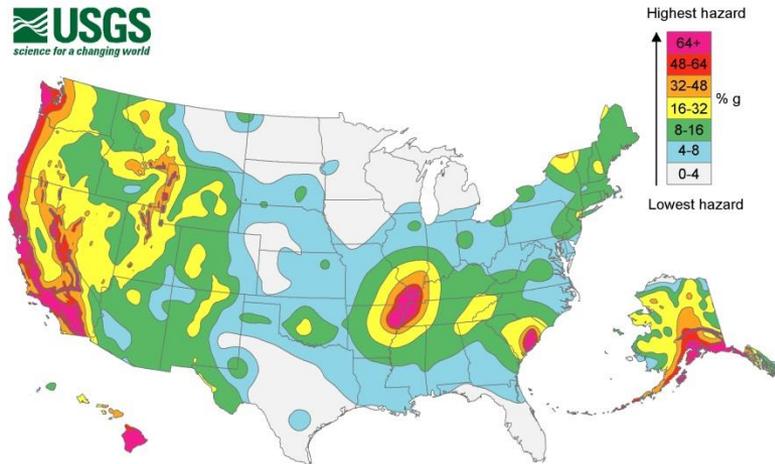


Earthquake



Sinkhole

- Most sinkholes in the area are due to man made materials.
- Debris buried and the infrastructure built on top of it, as the debris decays then the sinkhole forms.



Wildfire

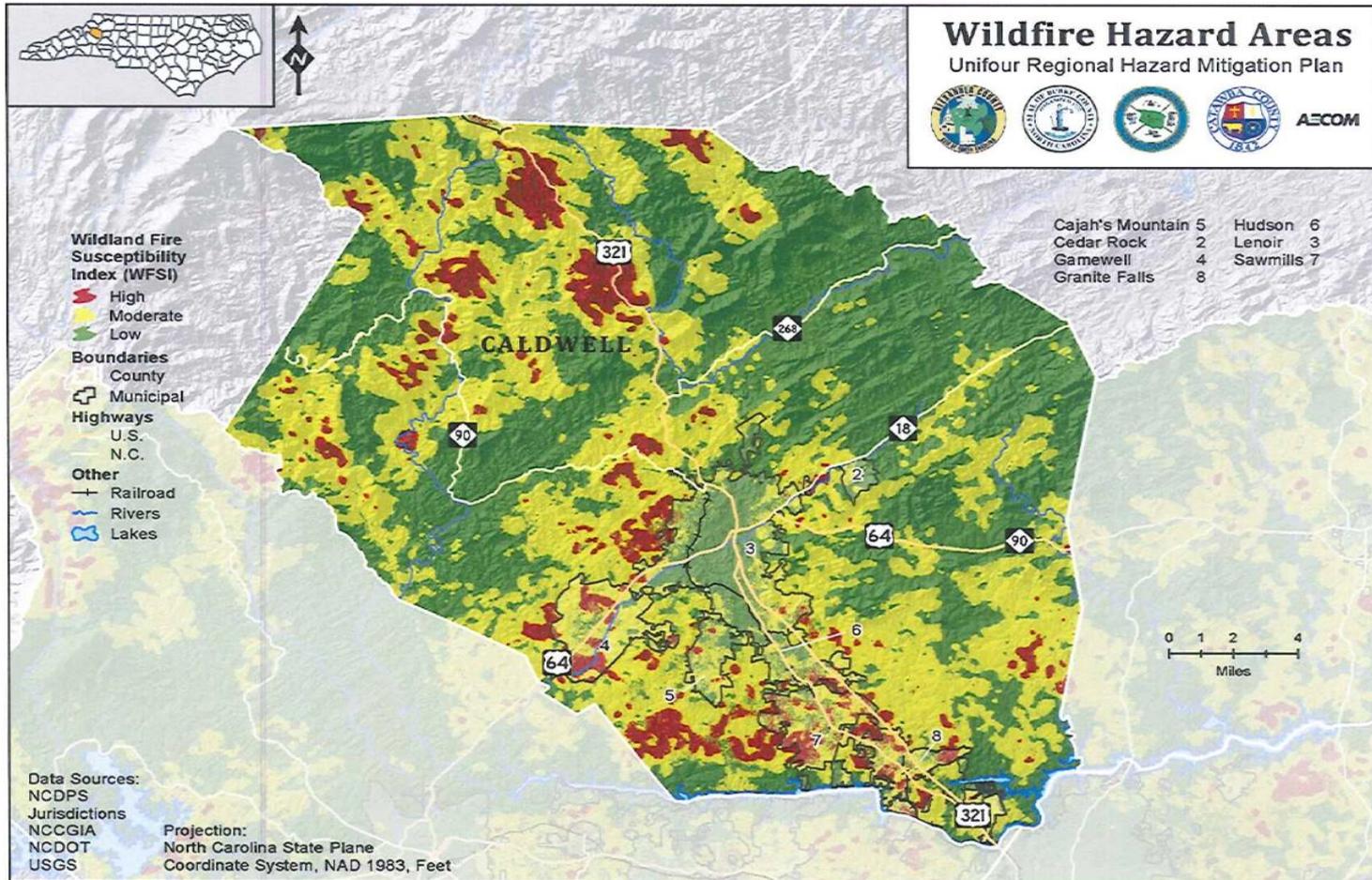


Table 4.37: Historical Occurrences of Wildfire

County	5-Year Average Number of Fires	5-Year Average Number of Acres Burned
Alexander	163	133.5
Burke	286	221.2
Caldwell	472	614.8
Catawba	276	112.9
TOTAL UNIFOUR	1,197	1,082.4

Source: North Carolina Division of Forest Resources.

Map of Wildfire areas of concern



What can improve our outcome?

- **Planning/Mitigation**

Flood Planning – Caldwell County Planning - Kim Carter

Dam/Pond Management – NC DENR Water Quality & US Army Corp of Engineers

Wildfire – FIREWISE Program – NC FS Ranger Rusty Dellinger

Sinkhole – Solid Waste Caldwell County - Kenneth Teague
NC DENR- Solid Waste – Deb Aja

Start a Community CERT Group

– Caldwell Co. EM - Kenneth Teague

What can improve our outcome?

- Preparedness

Have a ready kit.

Have water.

Have food.

Have a way to get information and communication.

Shelters – Listen to Local Radio & TV. Enroll in Code RED



CODE RED



Keeping citizens informed.

- What is It?
- Communication that is from County Government to you.
- We are committed to only give emergent information over this service.
- You may elect to have the weather alert.
- You may sign up from the Caldwell County Web Page.
<http://www.caldwellcountync.org/>

Other Sites that can help you prepare:

- <http://readync.org>



- <https://www.fema.gov/community-emergency-response-teams>



- <http://www.ncfirewise.org/>



- <http://www.noaa.gov/>

