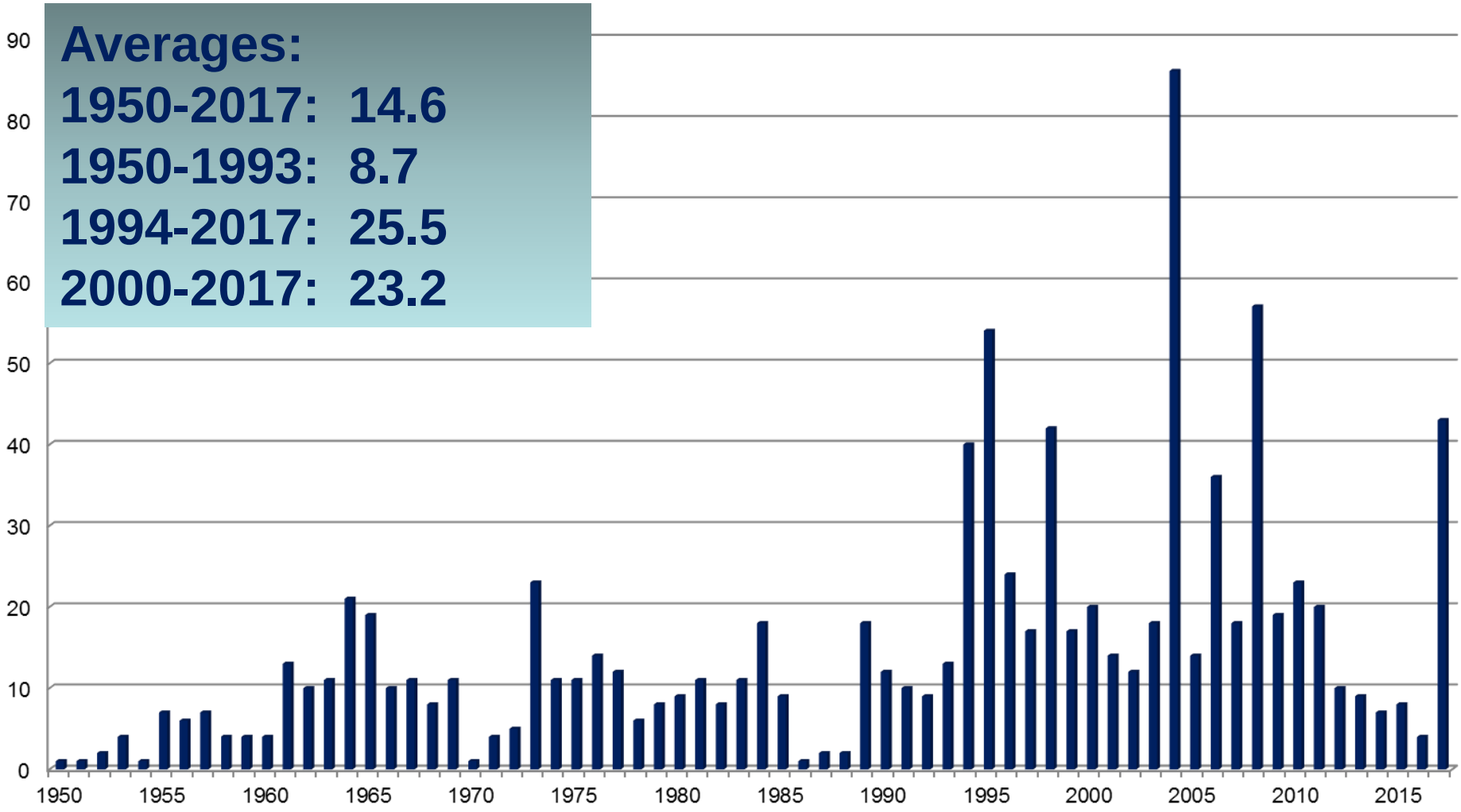
South Carolina State Climate Office

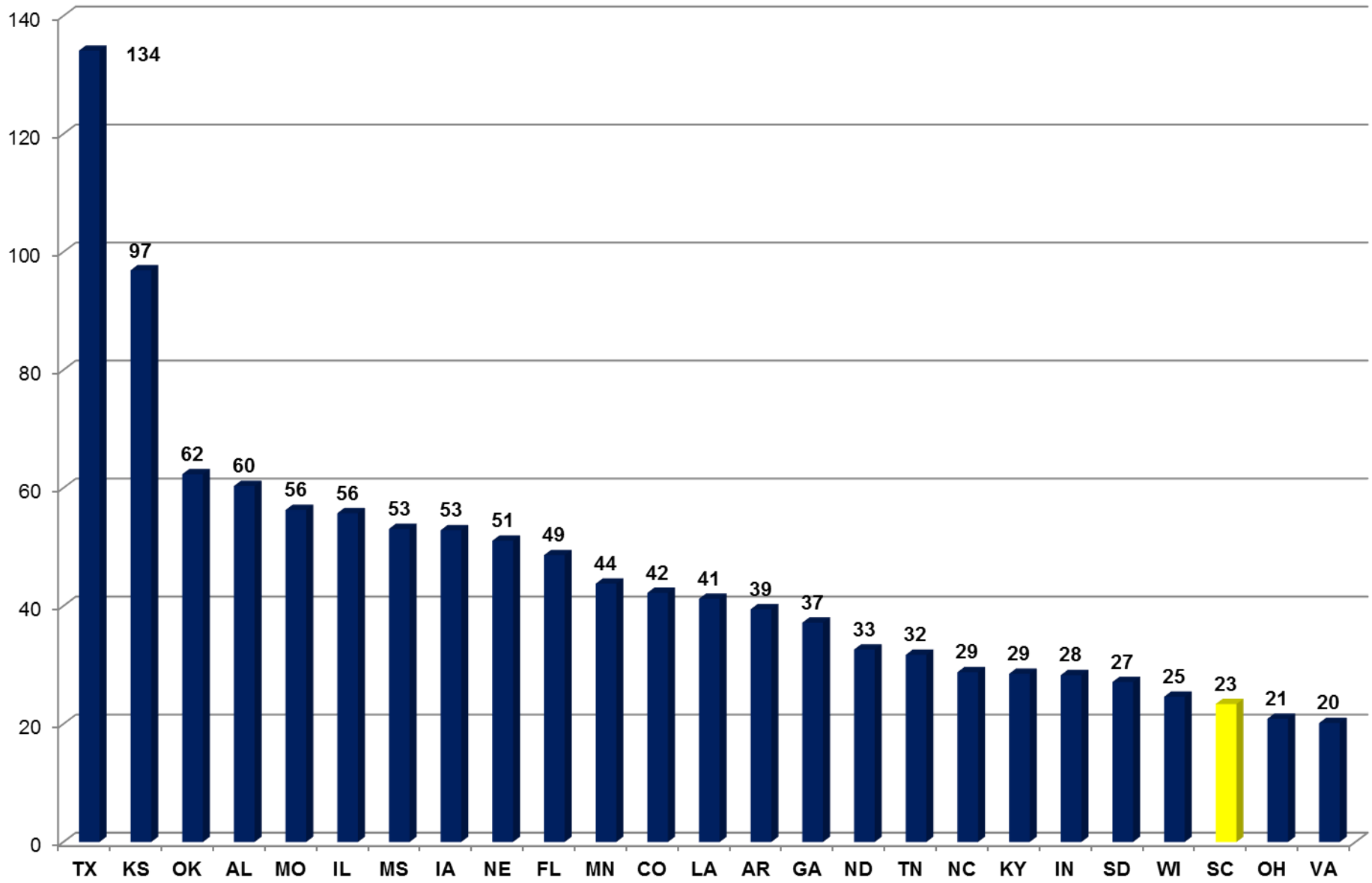
South Carolina's Tornado Climatology 1950-2017

Data source: NOAA's Storm Prediction Center (www.spc.noaa.gov/wcm)

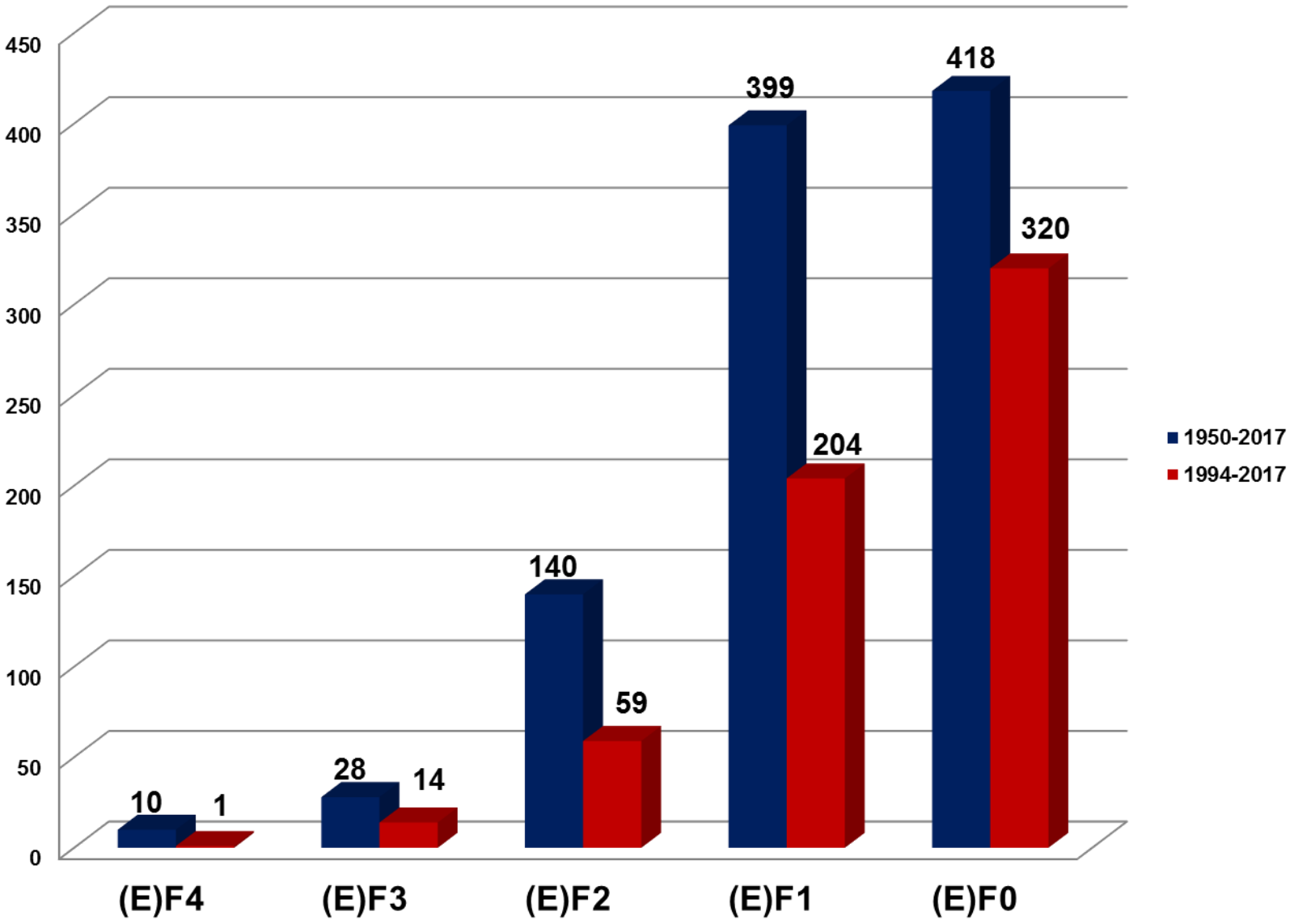
SOUTH CAROLINA TORNADOES 1950-2017 (995)



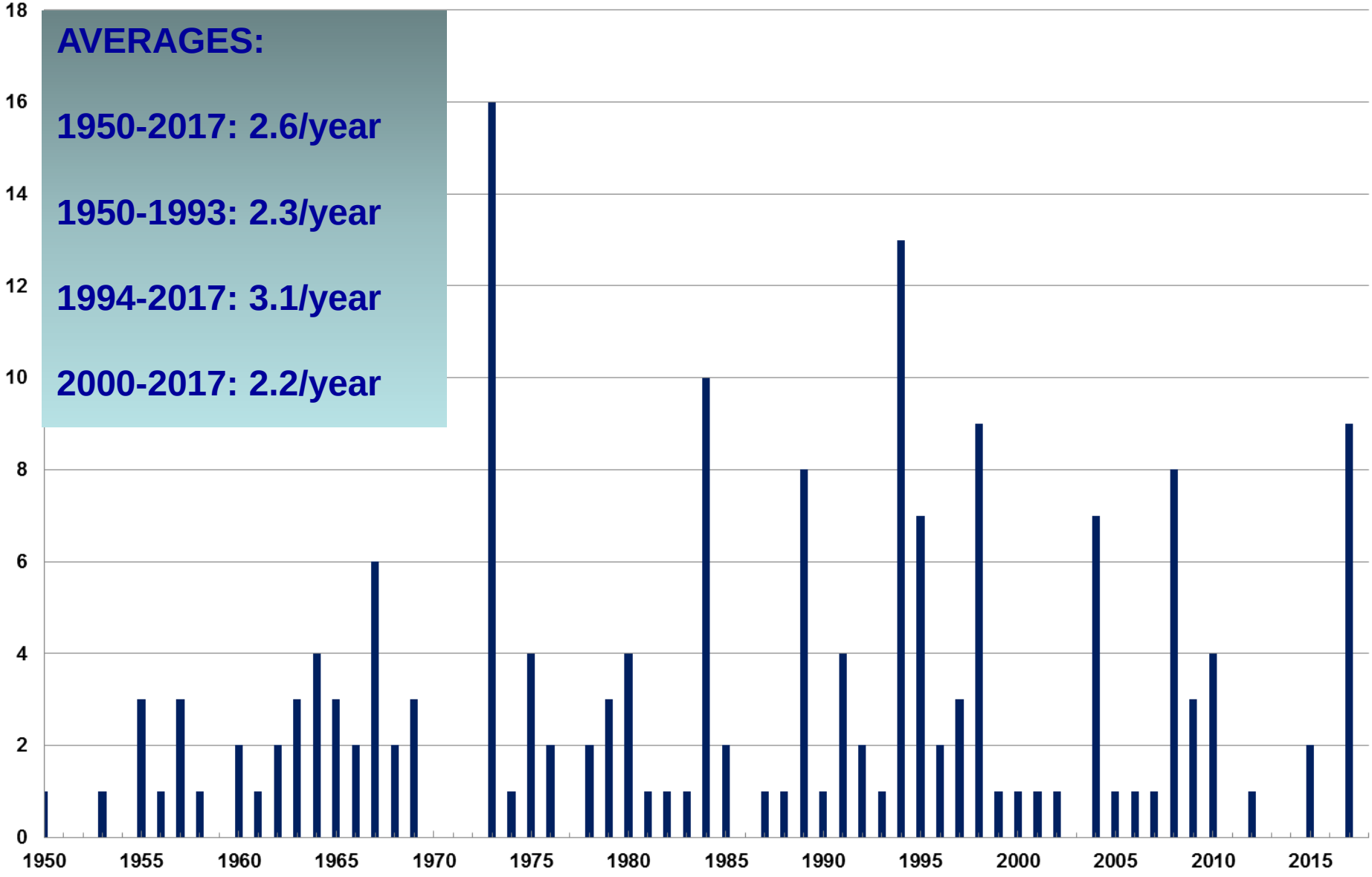
TOP 25 TORNADO STATES 2000-2017

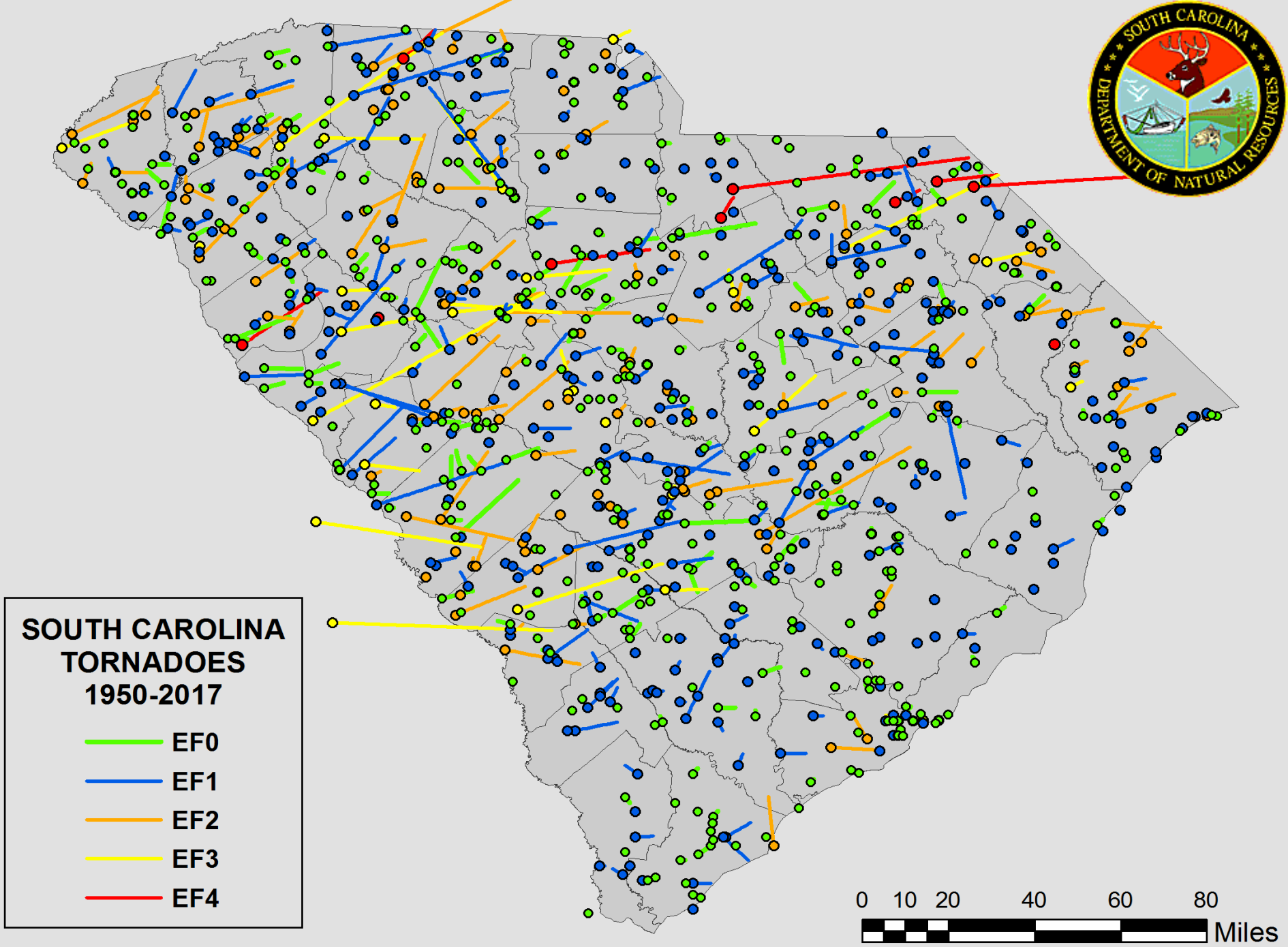


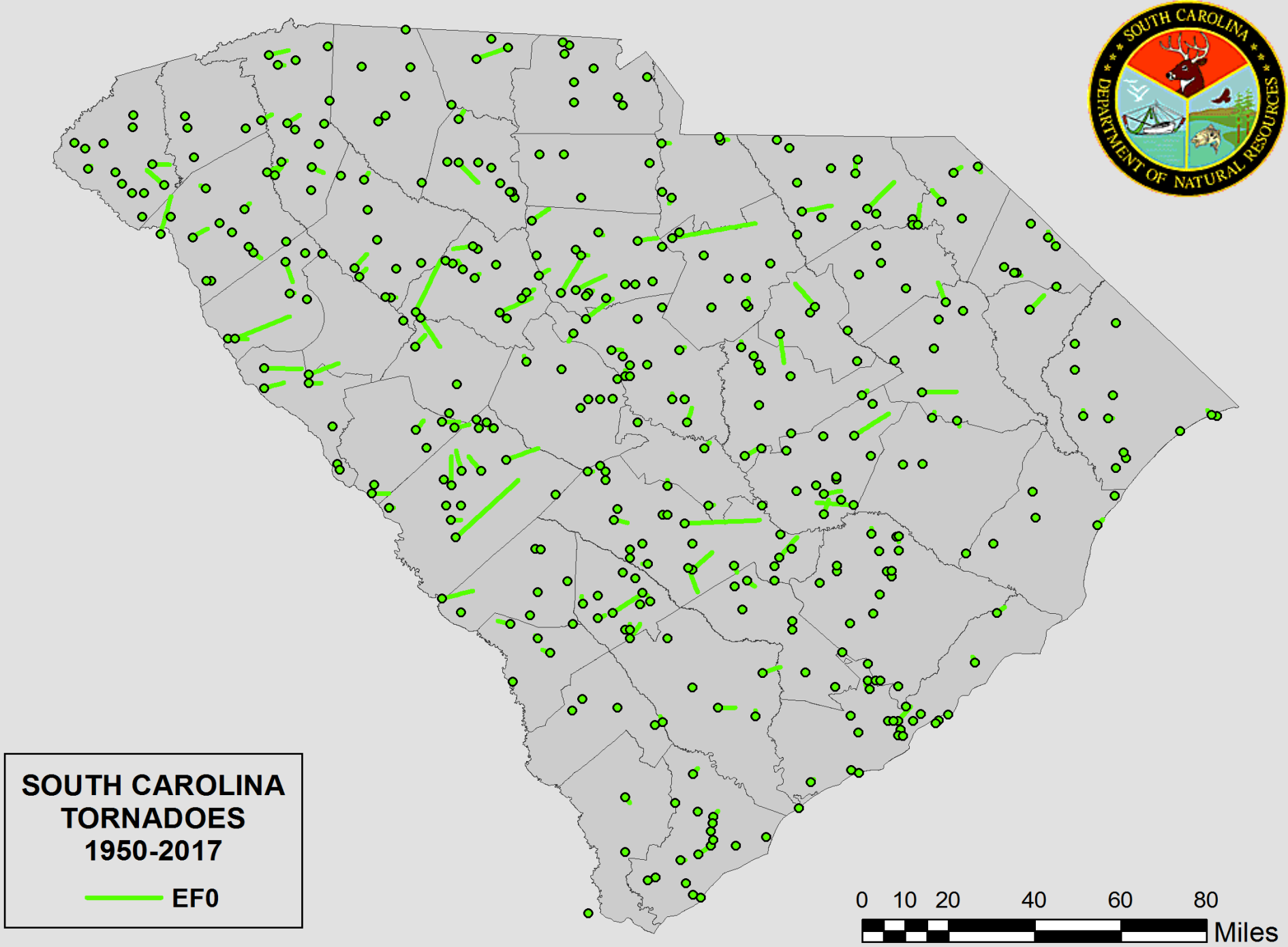
SOUTH CAROLINA
TORNADO INTENSITY 1950-2017

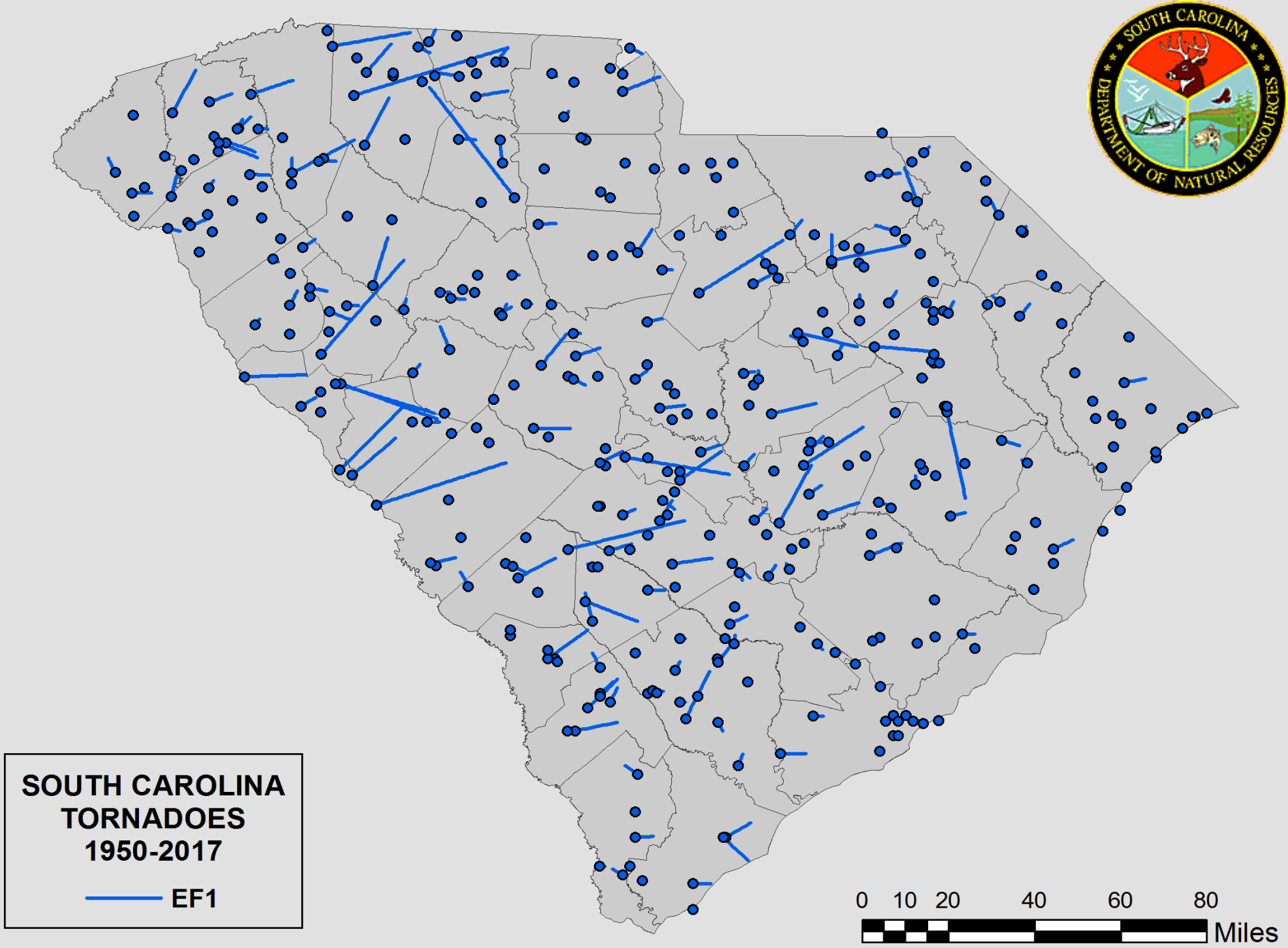


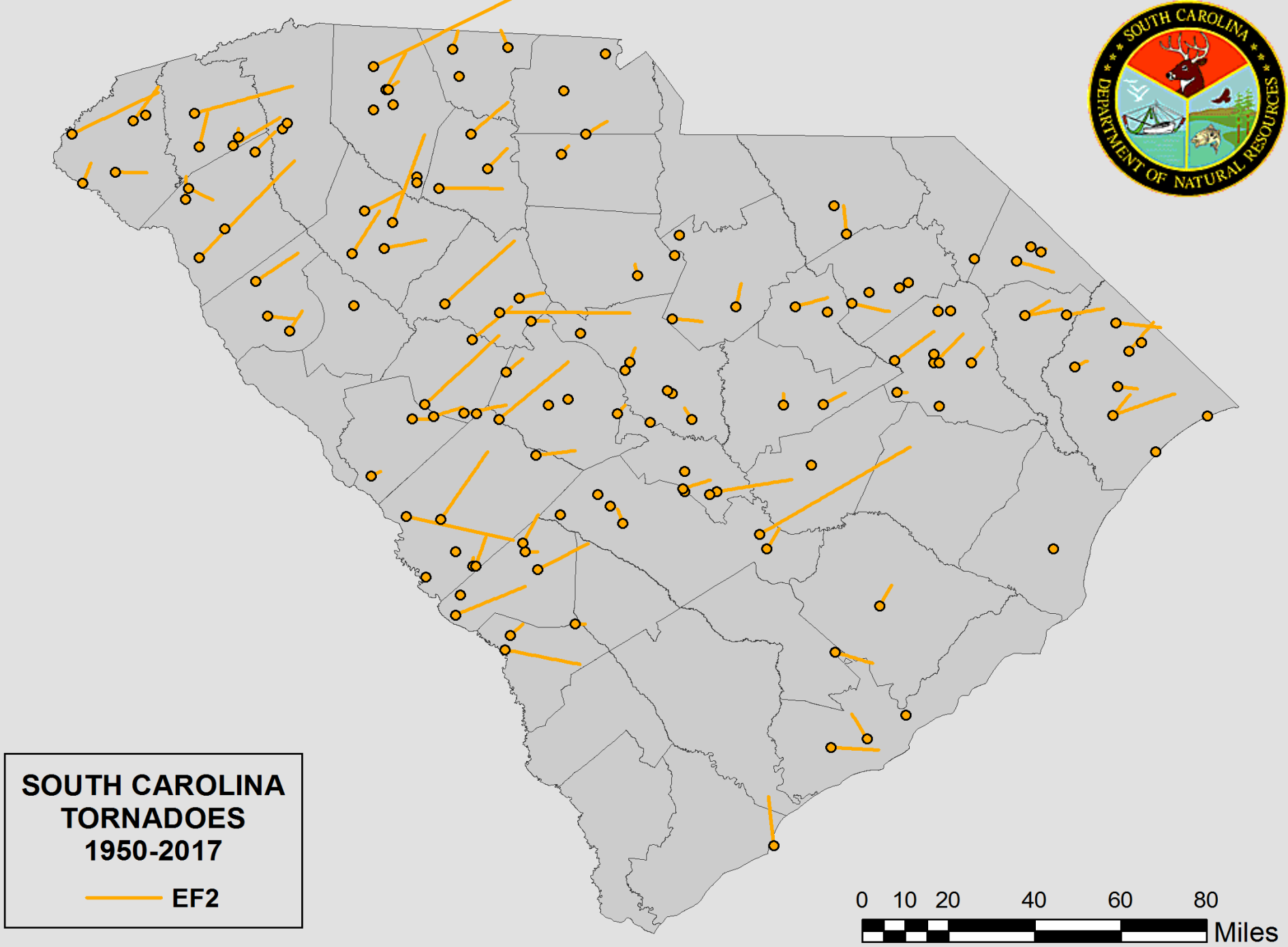
SOUTH CAROLINA
EF-2,3,4 TORNADOES 1950-2017

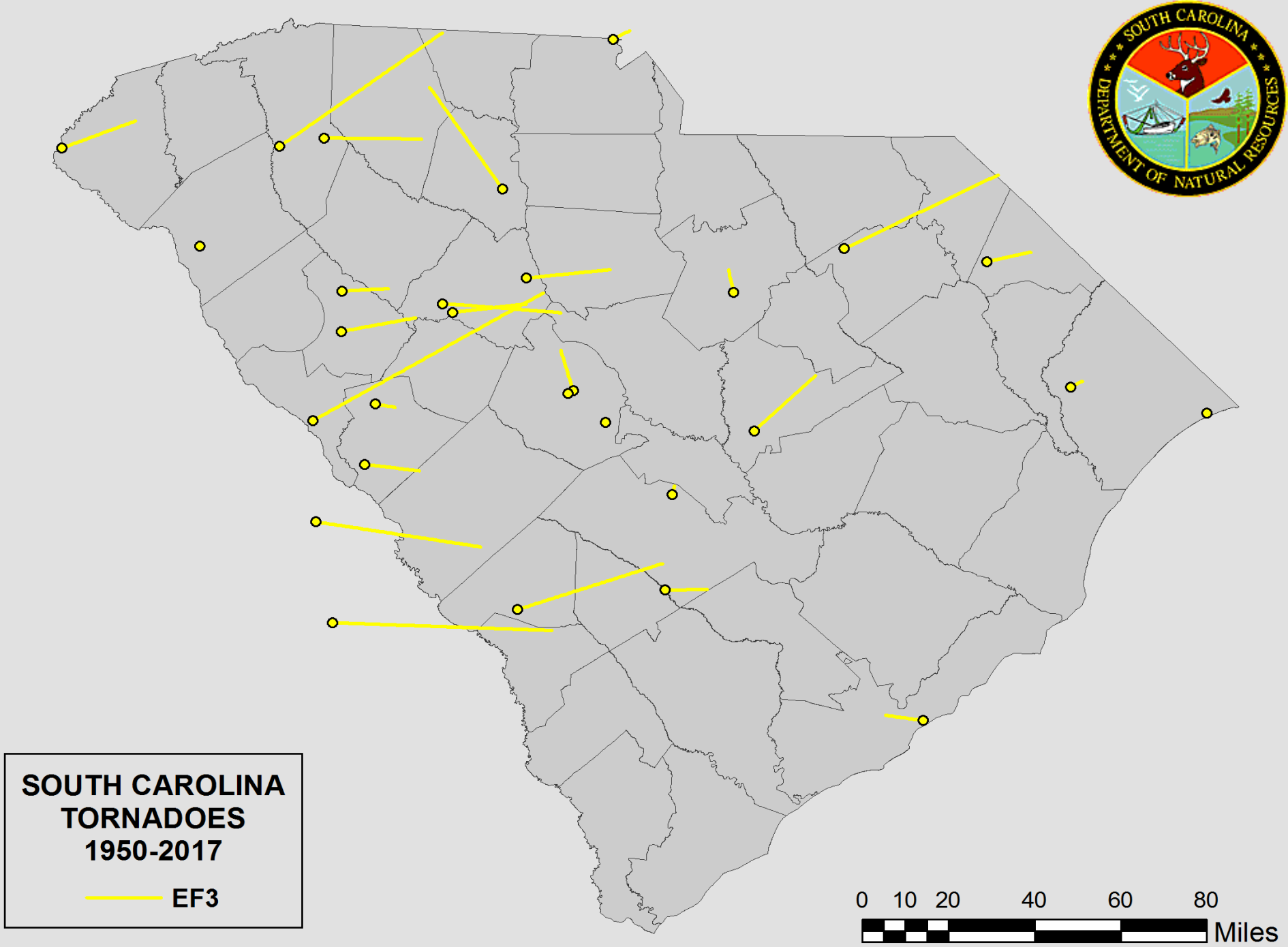


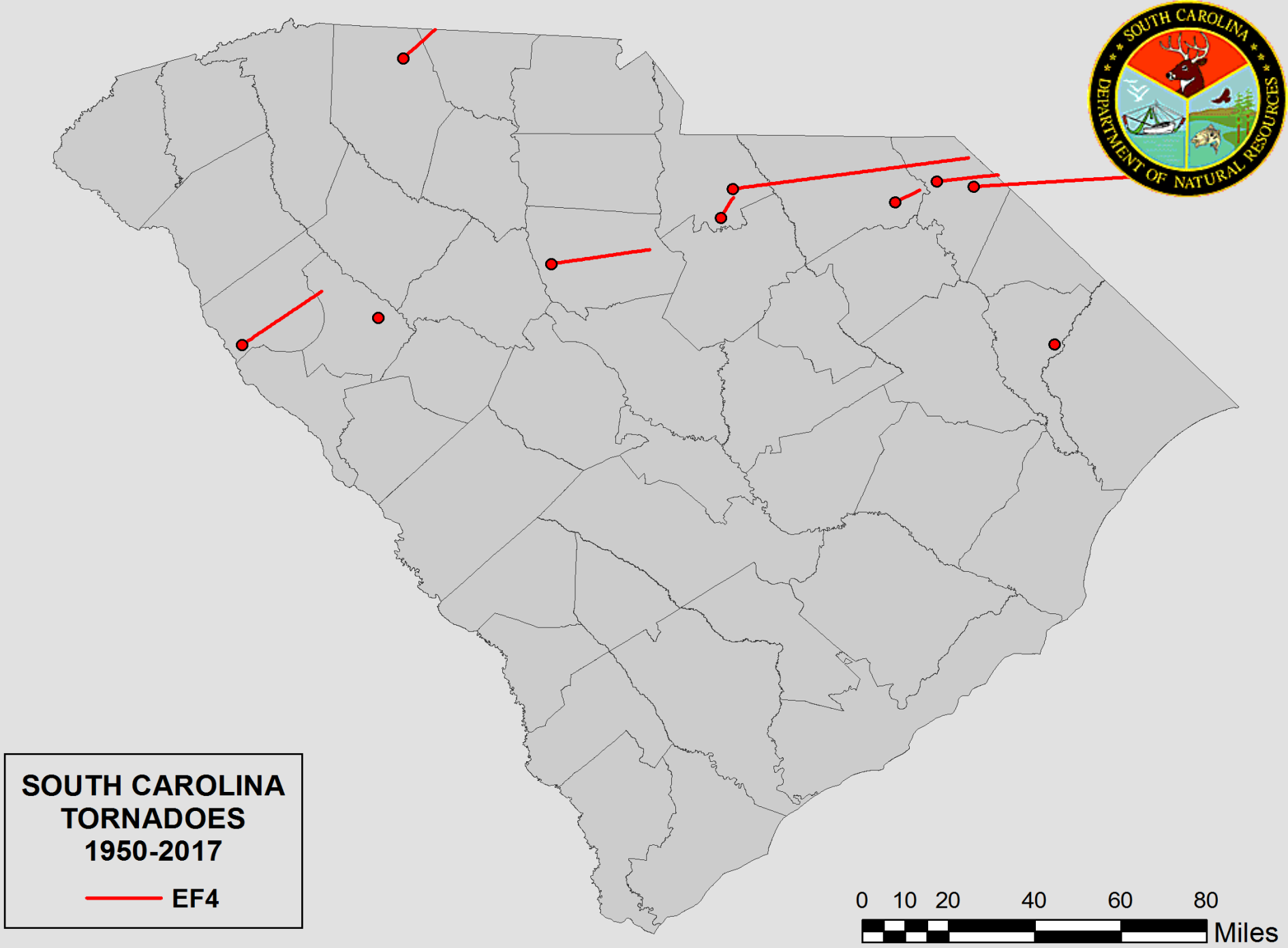

SOUTH CAROLINA
TORNADOES
1950-2017
EF0
EF1
EF2
EF3
EF4
0 10 20 40 60 80
Miles
SOUTH CAROLINA
DEPARTMENT OF NATURAL RESOURCES


SOUTH CAROLINA
TORNADOES
1950-2017
EF0
0 10 20 40 60 80
Miles
SOUTH CAROLINA
DEPARTMENT OF NATURAL RESOURCES

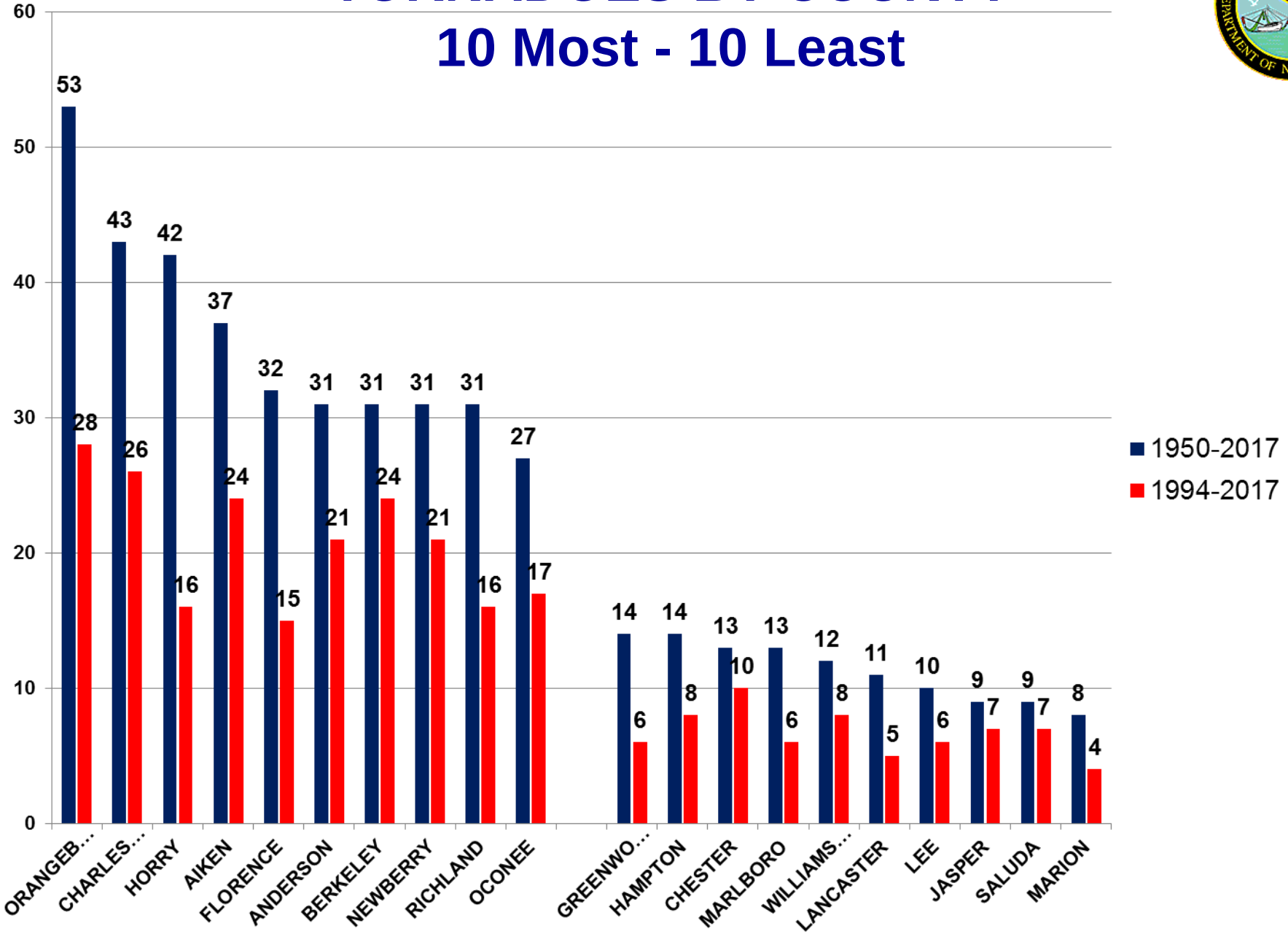

SOUTH CAROLINA
TORNADOES
1950-2017
EF1
0 10 20 40 60 80
Miles
SOUTH CAROLINA
DEPARTMENT OF NATURAL RESOURCES


SOUTH CAROLINA
TORNADOES
1950-2017
EF2
0 10 20 40 60 80
Miles
SOUTH CAROLINA
DEPARTMENT OF NATURAL RESOURCES

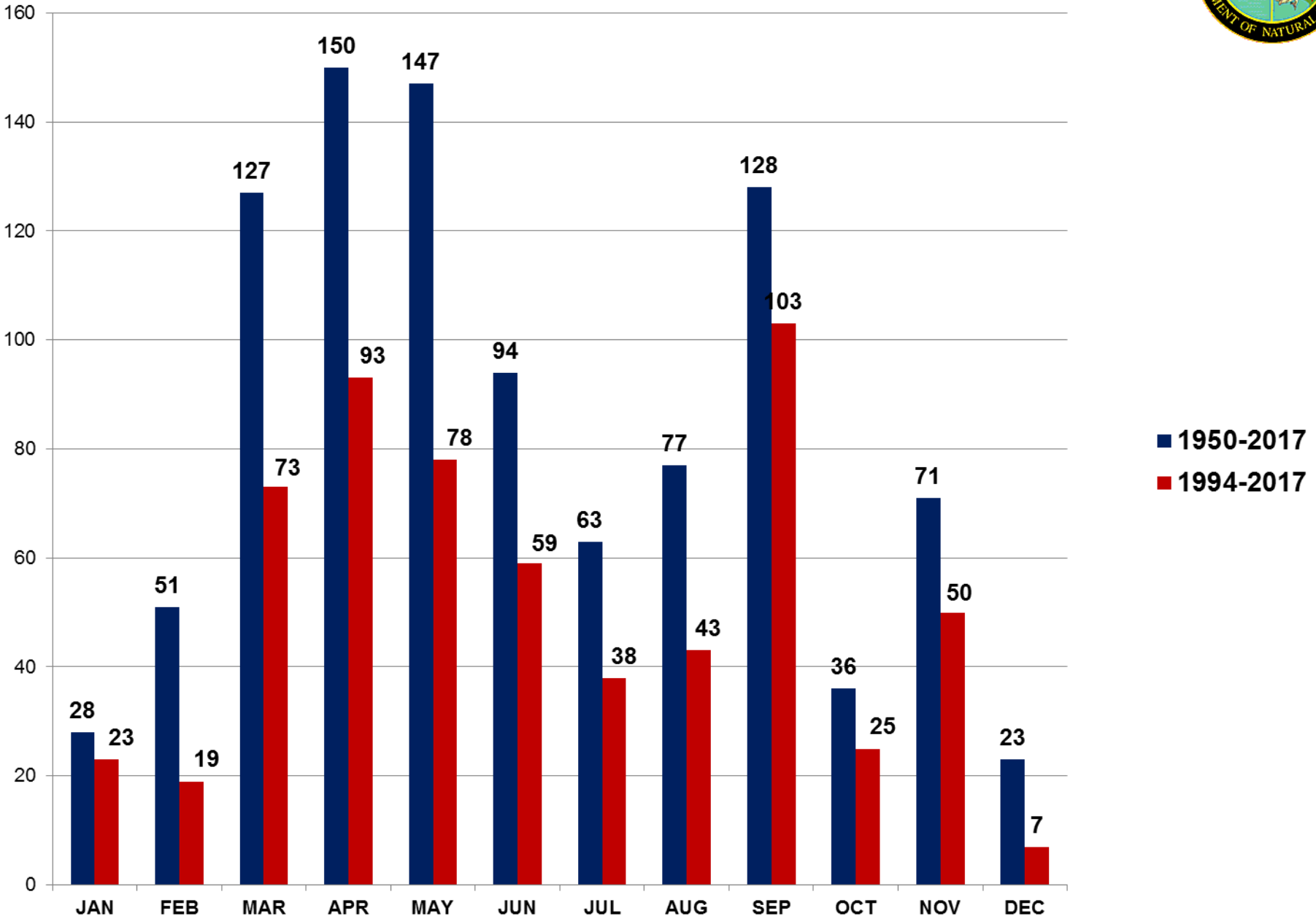

SOUTH CAROLINA
TORNADOES
1950-2017
EF3
0 10 20 40 60 80
Miles
SOUTH CAROLINA
DEPARTMENT OF NATURAL RESOURCES


SOUTH CAROLINA
TORNADOES
1950-2017
EF4
0 10 20 40 60 80
Miles
SOUTH CAROLINA
DEPARTMENT OF NATURAL RESOURCES

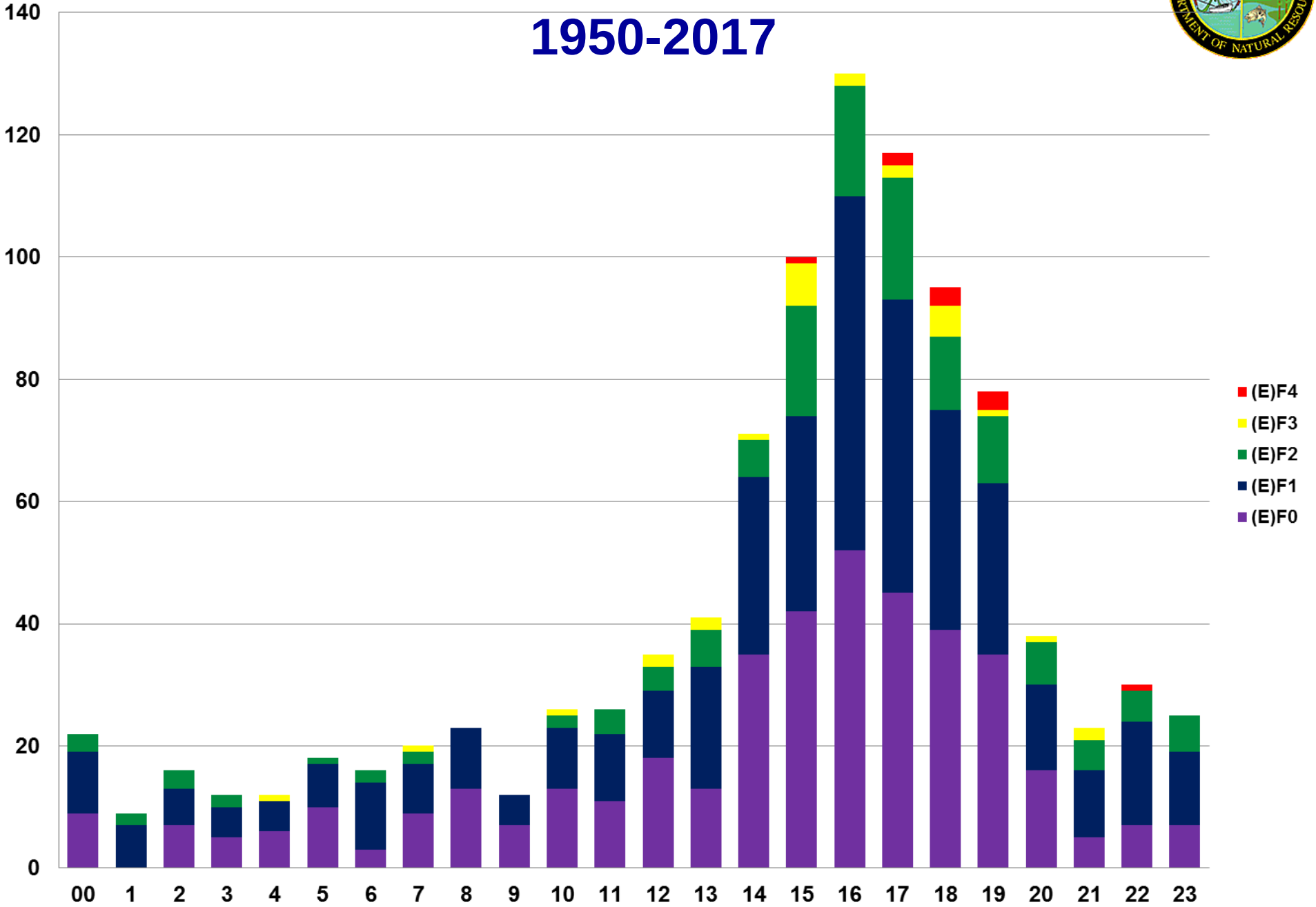
TORNADOES BY COUNTY
10 Most - 10 Least



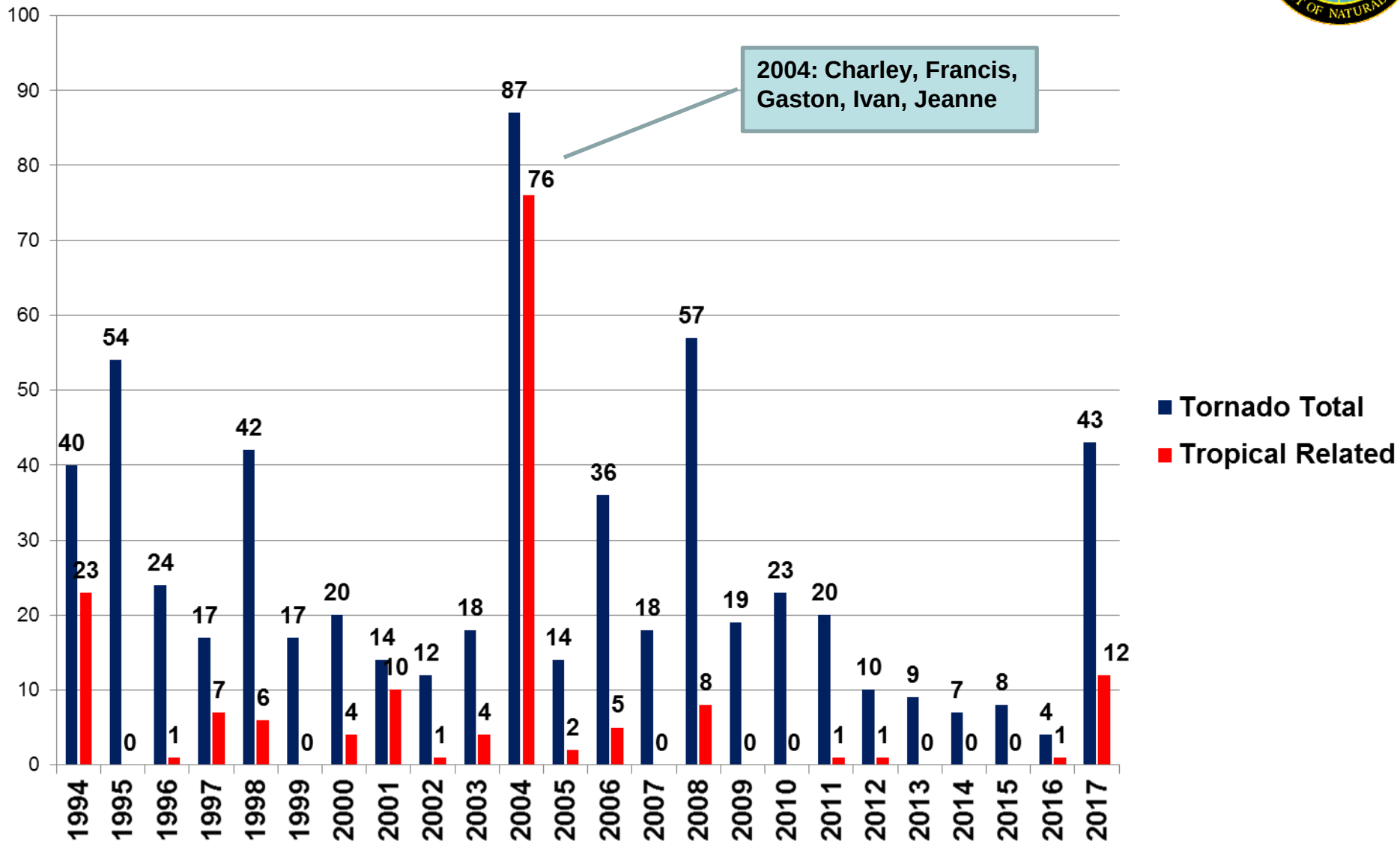
MONTHLY TORNADOES 1950-2017



OCCURRENCE TIME VS INTENSITY
1950-2017



“TROPICAL” TORNADOES 1994-2017*



*Tornadoes triggered by decaying tropical storms over land.

South Carolina's Tornado Climatology: 1950-2017

SOUTH CAROLINA TORNADO CLIMATE BASICS:

- **Annual climate feature; Any month fair game; Spring preferred.**
- **Any hour fair game; Afternoons preferred .**
- **Any County fair game; Midlands and Piedmont preferred.**
- **EF0 and EF1 tornadoes: 81% (65-110 mph, EF4: 166-200 mph) .**
- **Short, narrow tracks, short lived (AVG: 3.5 miles, 110 yds.). But…**
    - **Longest: 62 miles, (400yds wide, F3, McCrmck-Edgfld-Slda, 11 NOV 1992)**
    - **Widest: 2600yds, (5 mile track, F4, Marlboro, 28 MAR 1984)**
- **"Tropical" tornadoes are a significant inland threat.**

Data source: NOAA's Storm Prediction Center (www.spc.noaa.gov/wcm)