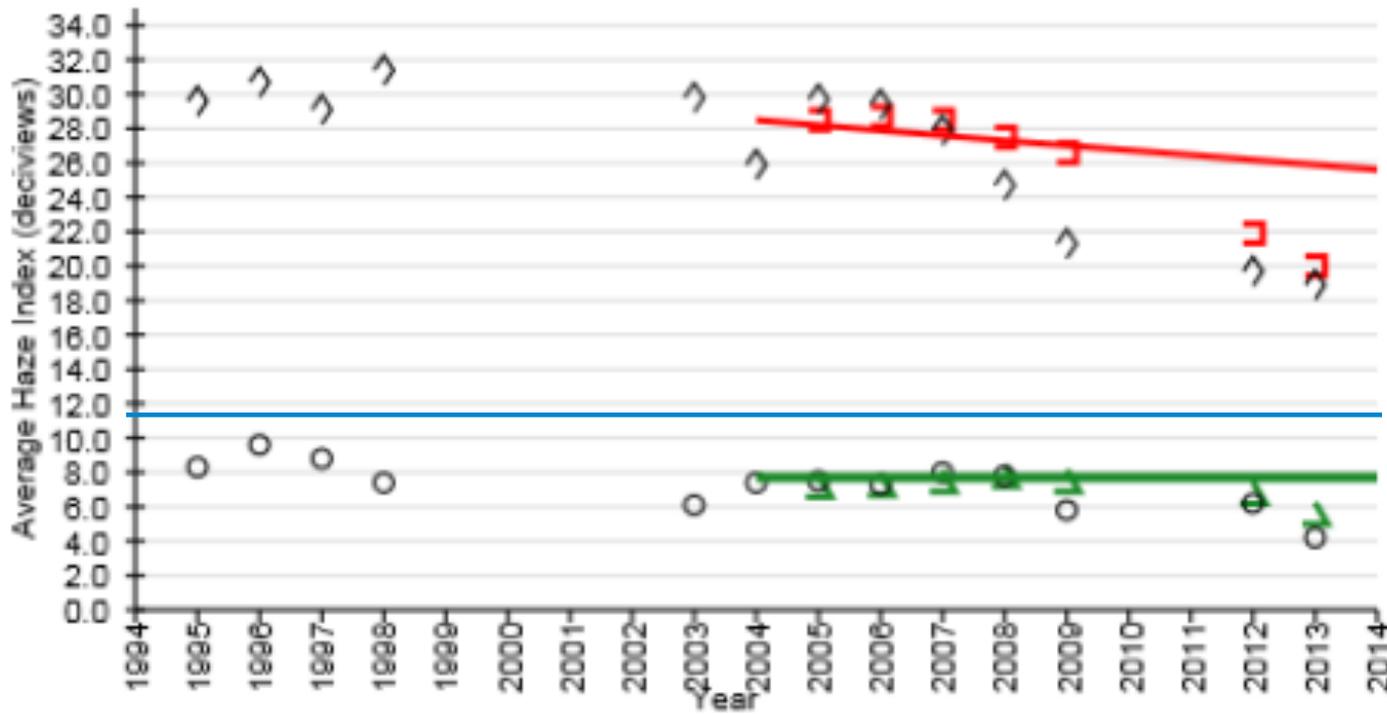


# **Air Pollution Reductions - Is More Needed to Protect Our Scenic Mountain Views and Forest Ecosystems?**

**Bill Jackson  
Air Resource Specialist  
USDA Forest Service**



# Visibility Is Improving (Shining Rock Wilderness)

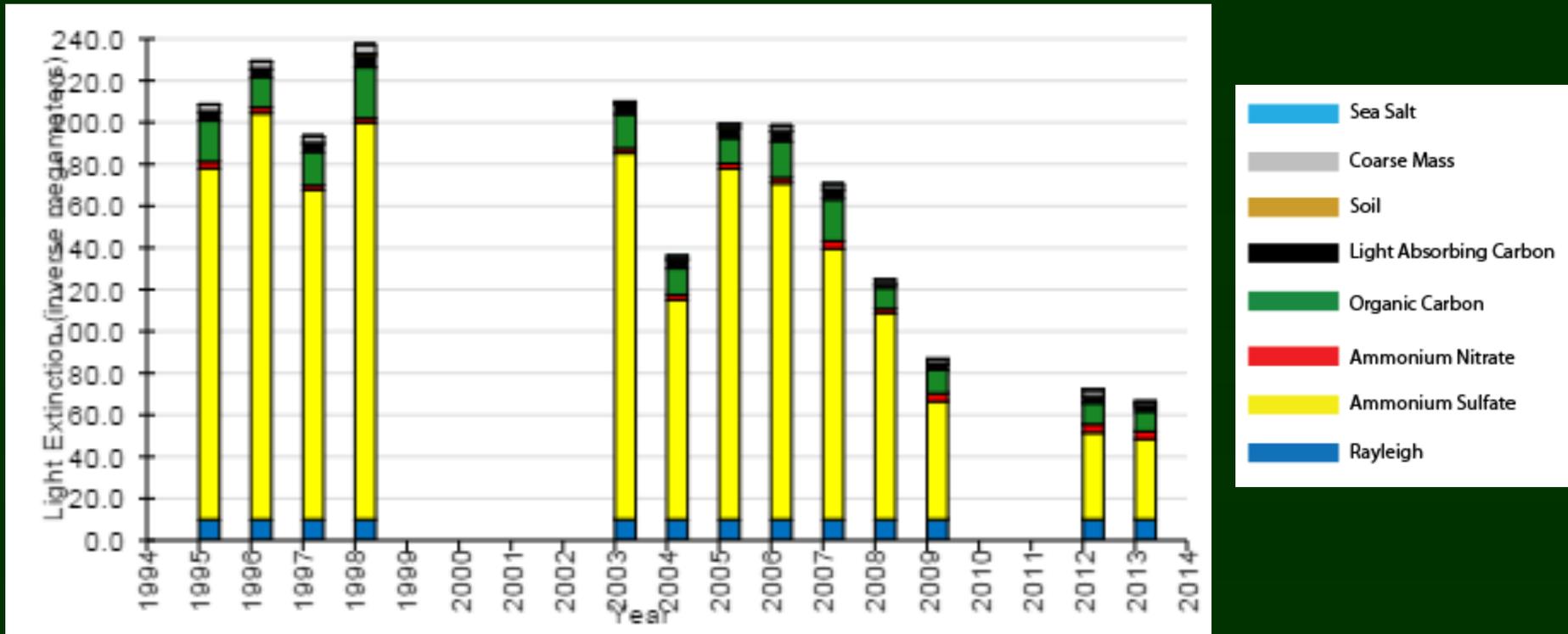


**Natural background visibility goal by 2064 is 11.5 deciviews on the haziest days.**

Source: <http://webcam.srs.fs.fed.us/graphs/vis/index.php?state=nc&forest=pisg&wilderness=shinin>



# Sulfates Are Reducing (Shining Rock Wilderness)



Source: <http://webcam.srs.fs.fed.us/graphs/vis/index.php?state=nc&forest=pisg&wilderness=shinin>



# What About Forests?

- Need to decide what level of acid deposition the forested watersheds can tolerate so there will be no damage.
- Use current scientific understanding.
- We selected the stream acid neutralizing capacity (ANC) to protect acid-sensitive aquatic organisms.
  - $\geq 50 \mu\text{eq/L}$  : reproducing brook trout
  - $65 \mu\text{eq/L}$  : mean value estimated in 1860

# Continue 2009-2011 Sulfur Deposition

# Reduce 2009-2011 Sulfur Deposition by 50%

