



Hampton Roads Air Quality Update

Hampton Roads Metropolitan Planning
Organization Meeting

June 18, 2008



Air Quality Background

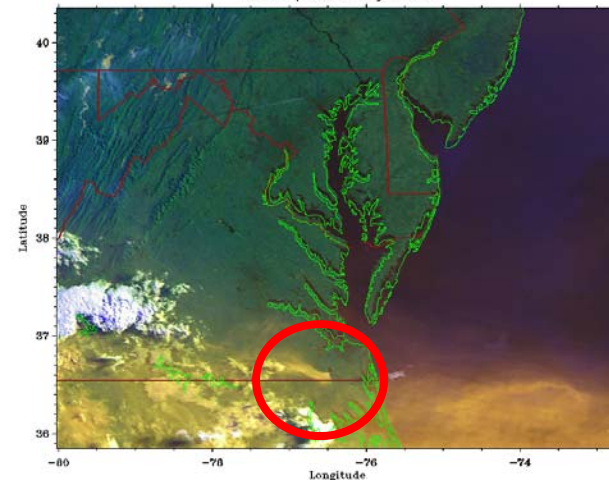
- New Air Quality Standards
 - 2006 daily fine particulate standard – 35 $\mu\text{g}/\text{m}^3$
 - 2008 ozone standard – 75 parts per billion
- North Carolina and Virginia Wildfires
- Impact on Air Quality

North Carolina & Virginia Wildfires

- Highly visible air pollution events
- Two separate fires:
 - Hyde County NC (40,000 acres)
 - Chesapeake VA (2,000 acres)
- Area of impacts dependant upon wind direction



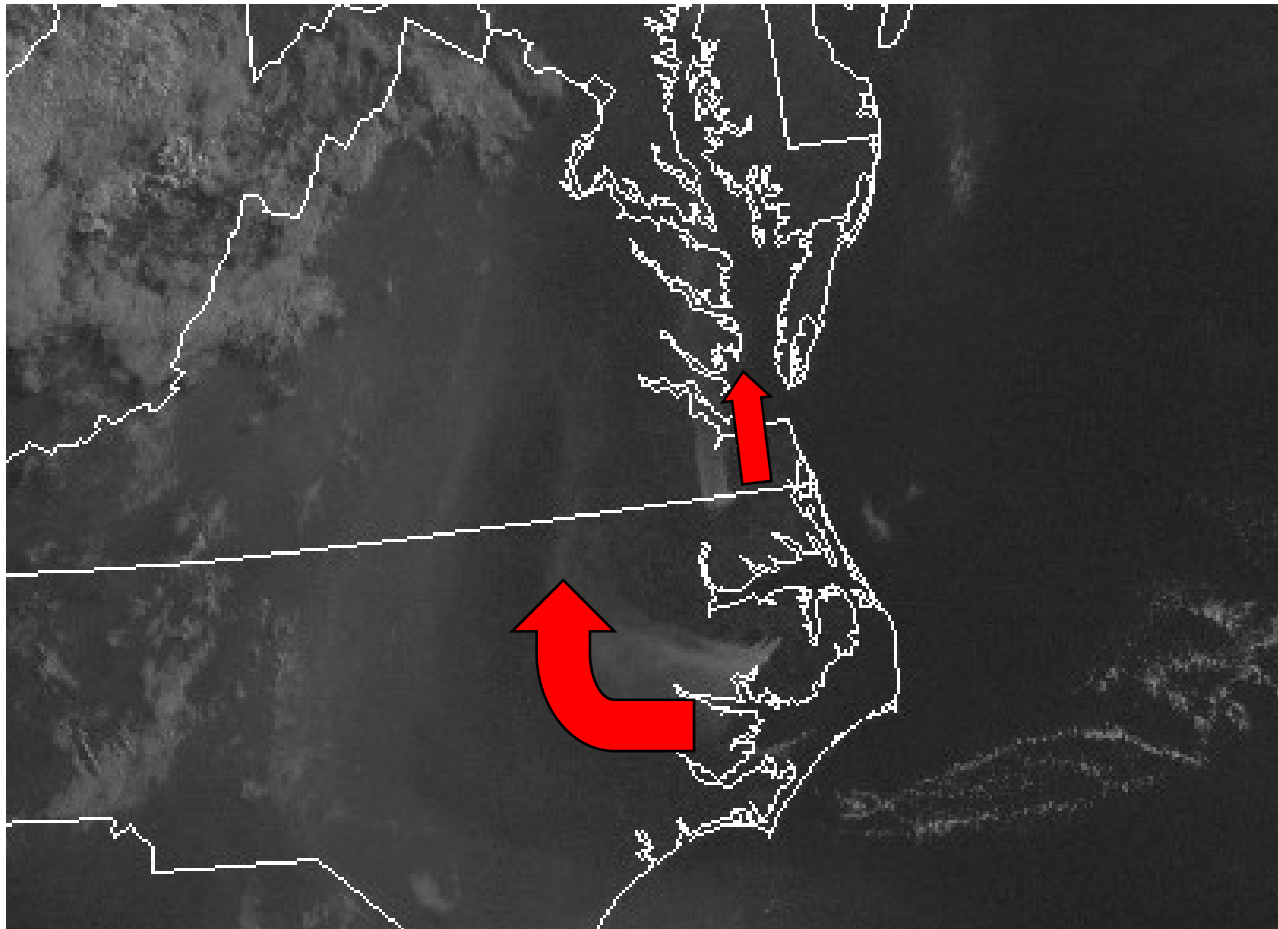
Chesapeake Bay Area



AVHRR 3 Channel Color Composite
NOAA-15 AVHRR 2008 Jun 12 11:07 UT
Daytime: R=C1 G=C2 B=C4

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North Carolina & Virginia Wildfires



Impact on Hampton Roads Air Quality

- Fine Particulate Matter (PM_{2.5})
 - Levels above the standard recorded on two days at the continuous monitor (June 7th and 10th)
 - Dense smoke advisory issued on June 16th
 - Data from compliance monitors not available yet
 - DEQ to petition EPA to exclude data based on "exceptional event" policy





Impact on Hampton Roads Air Quality

■ Ground Level Ozone

- Eight exceedences of the 2008 Standard this year:
 - Hampton (April 18th, June 11th and 12th)
 - Suffolk TCC (June 8th, 11th, and 12th)
 - Suffolk Holland (April 18th, June 12th)
- More than the last three years combined
- Increase mainly due to the lower standard level
- Impact of the fires is less certain