





Visibility Data Representing Weminuche Wilderness



Scott Copeland
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Lizard Head Wilderness

WEMI1 Site

Weminuche Wilderness

Mesa Verde Wilderness

Mesa Verde National Park

You Are Here

SHMI1 Site

South San Juan Wilderness

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Google

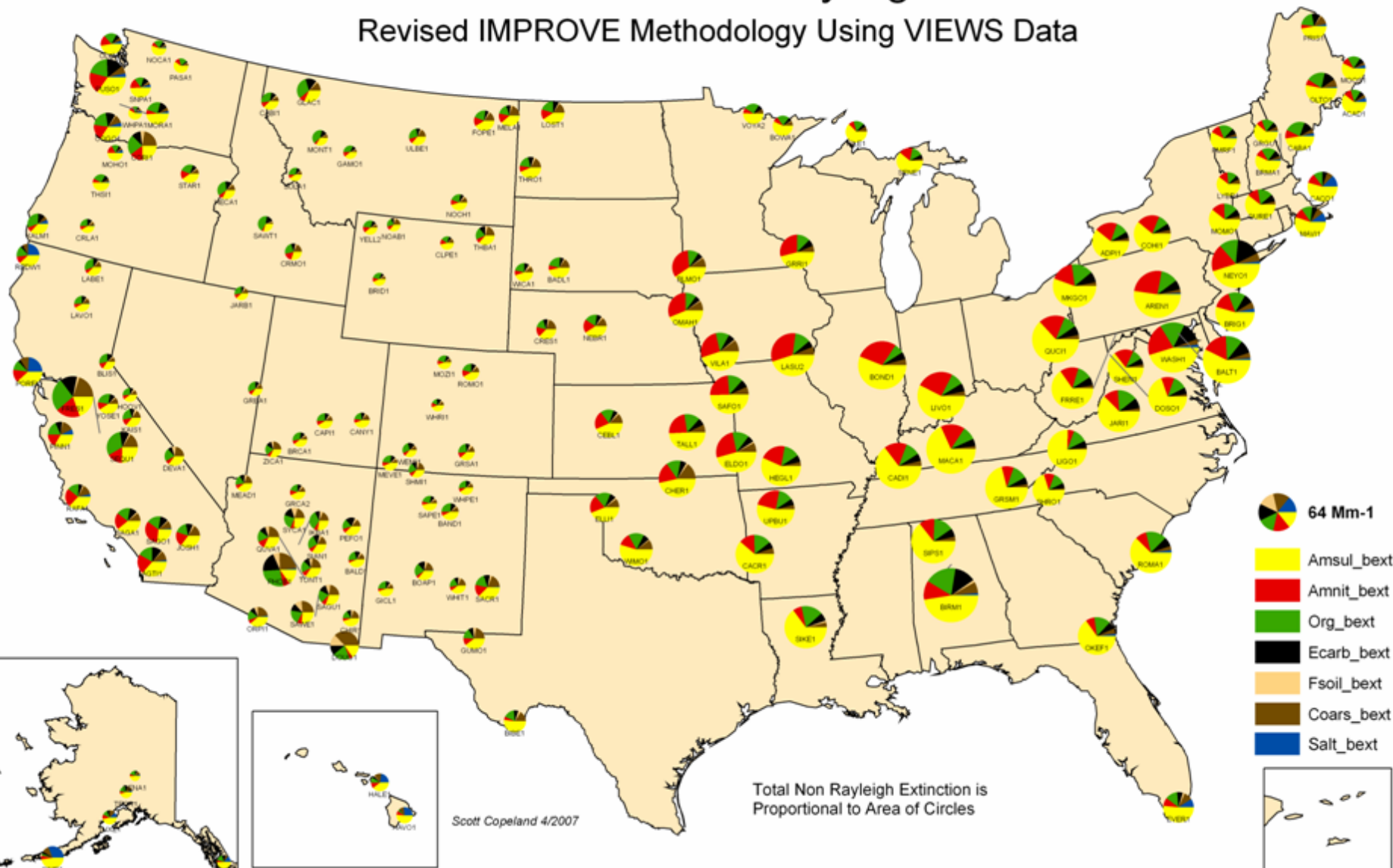
N 107°56'37.49" W elev 7219 ft

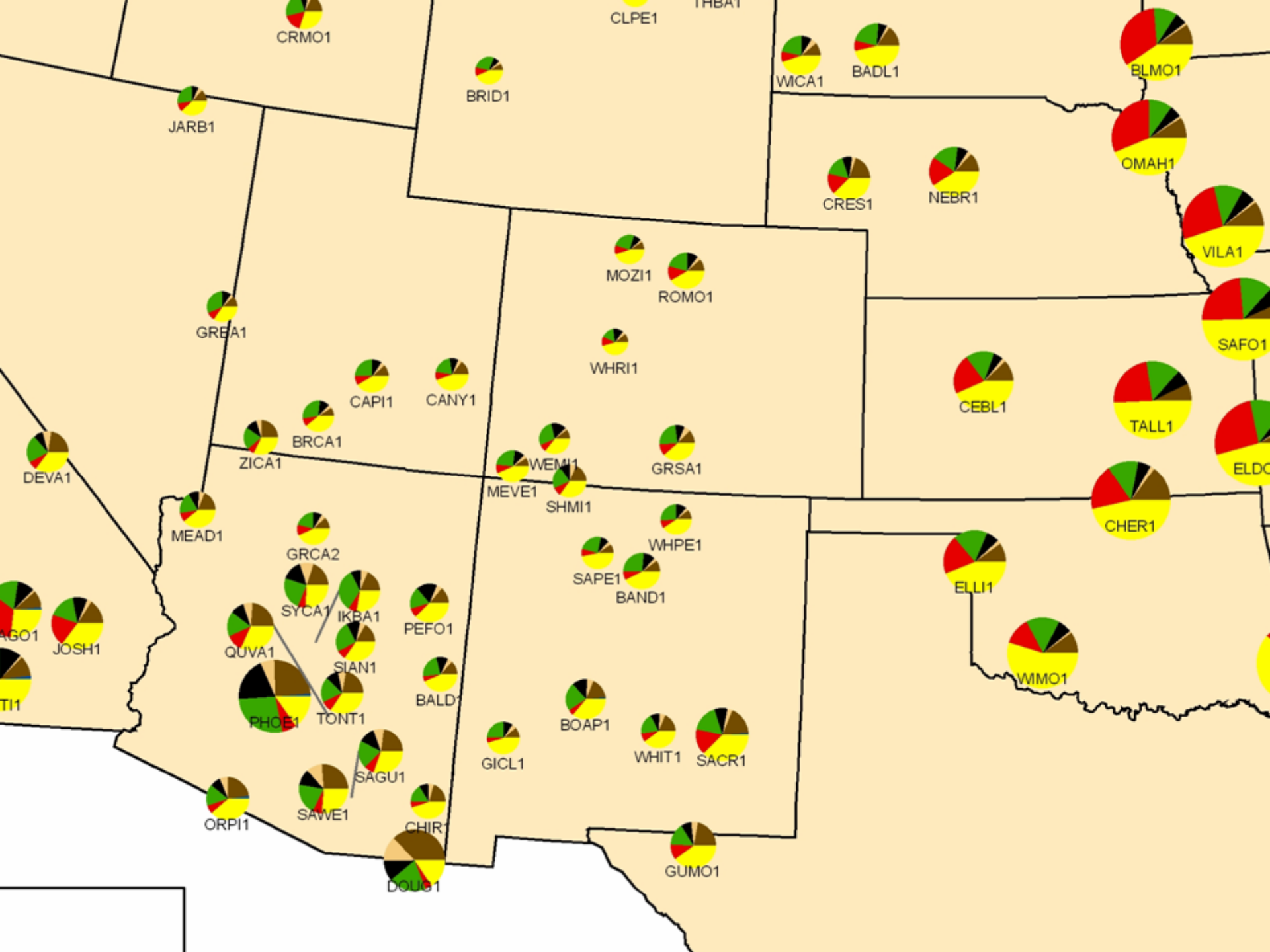
Streaming 100%

Eye

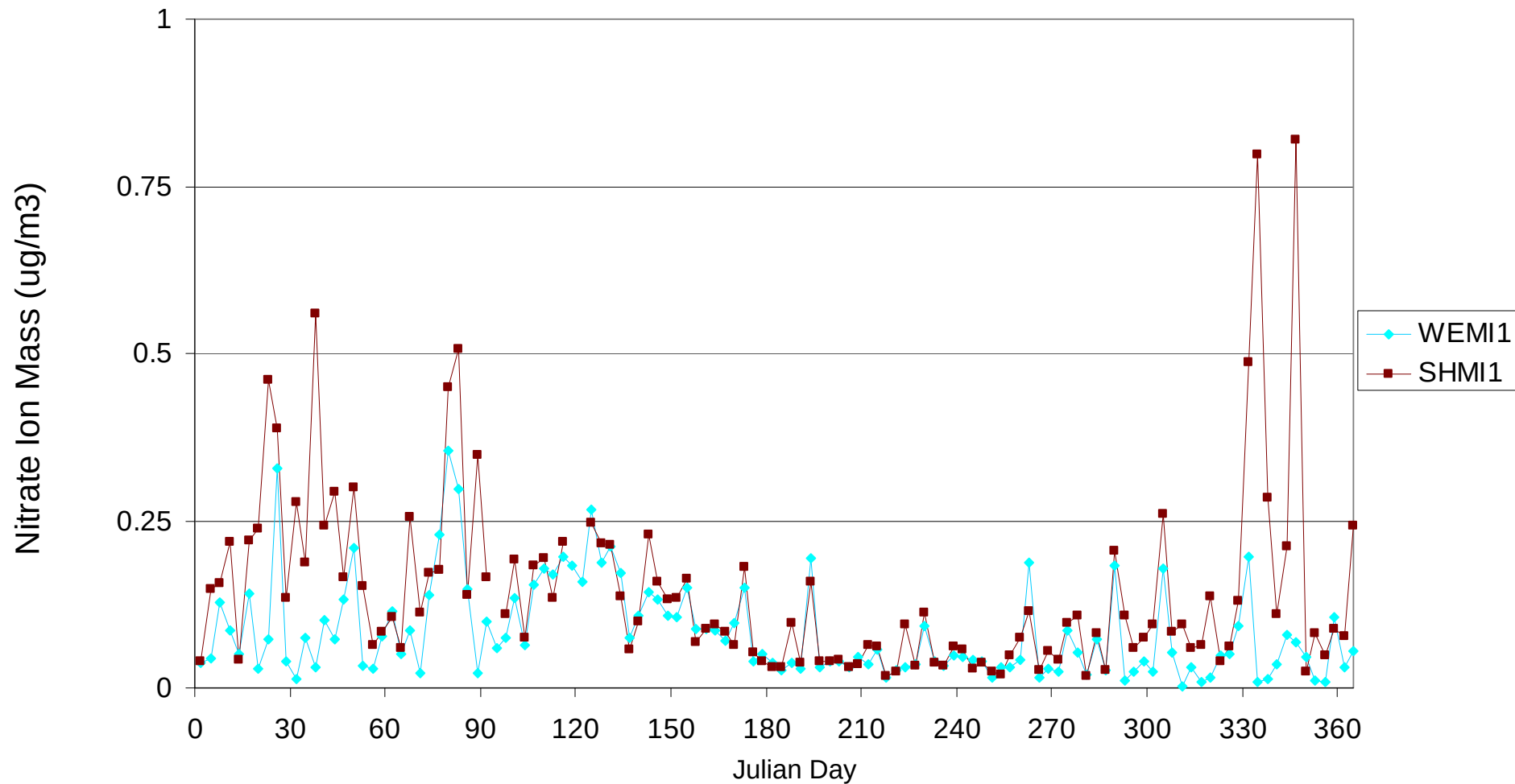
2005 Revised IMPROVE Annual Non-Rayleigh Mean of Median 20%

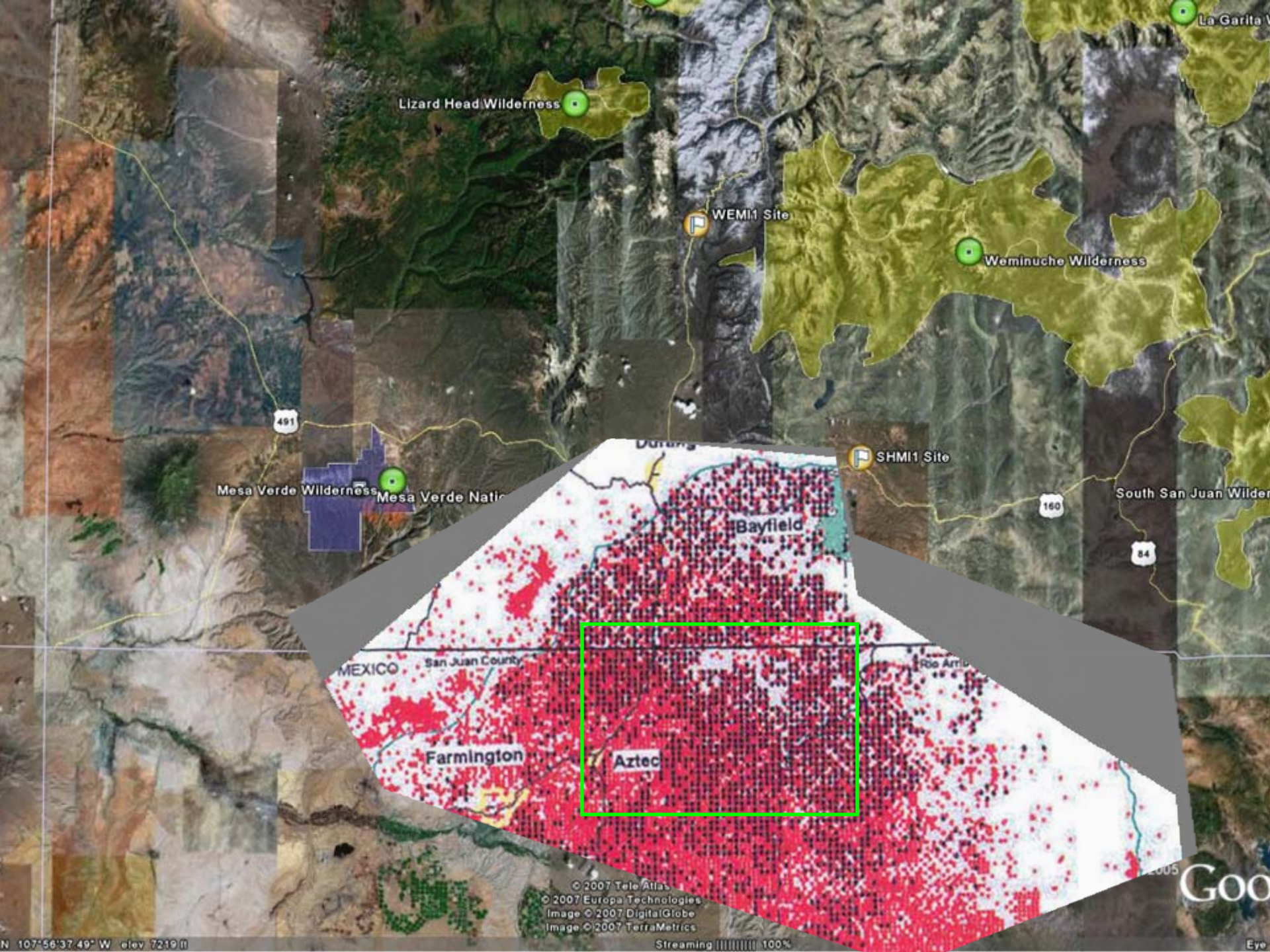
Revised IMPROVE Methodology Using VIEWS Data





Nitrate Ion Concentrations at Weminuche and Shamrock Mine IMPROVE Sites - 2006





Lizard Head Wilderness

WEMI1 Site

Weminuche Wilderness

Mesa Verde Wilderness
Mesa Verde National Monument

SHMI1 Site

South San Juan Wilderness

Bayfield

MEXICO

San Juan County

Farmington

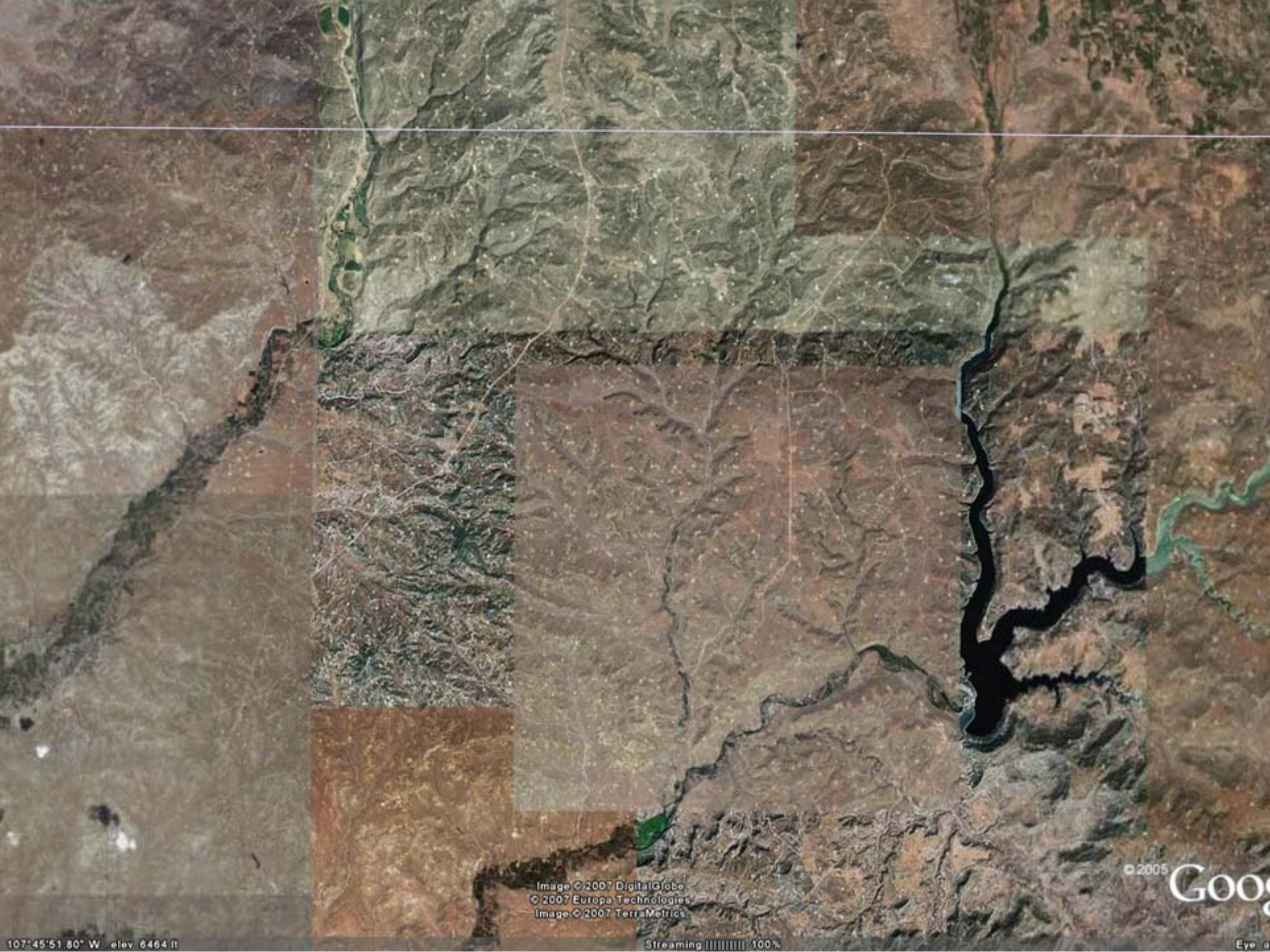
Aztec

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Image © 2007 TerraMetrics

Streaming 100%

Google

N 107°56'37.49" W elev 7219 ft



107°45'51.80" W elev 6464 ft

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Streaming [|||||] 100%

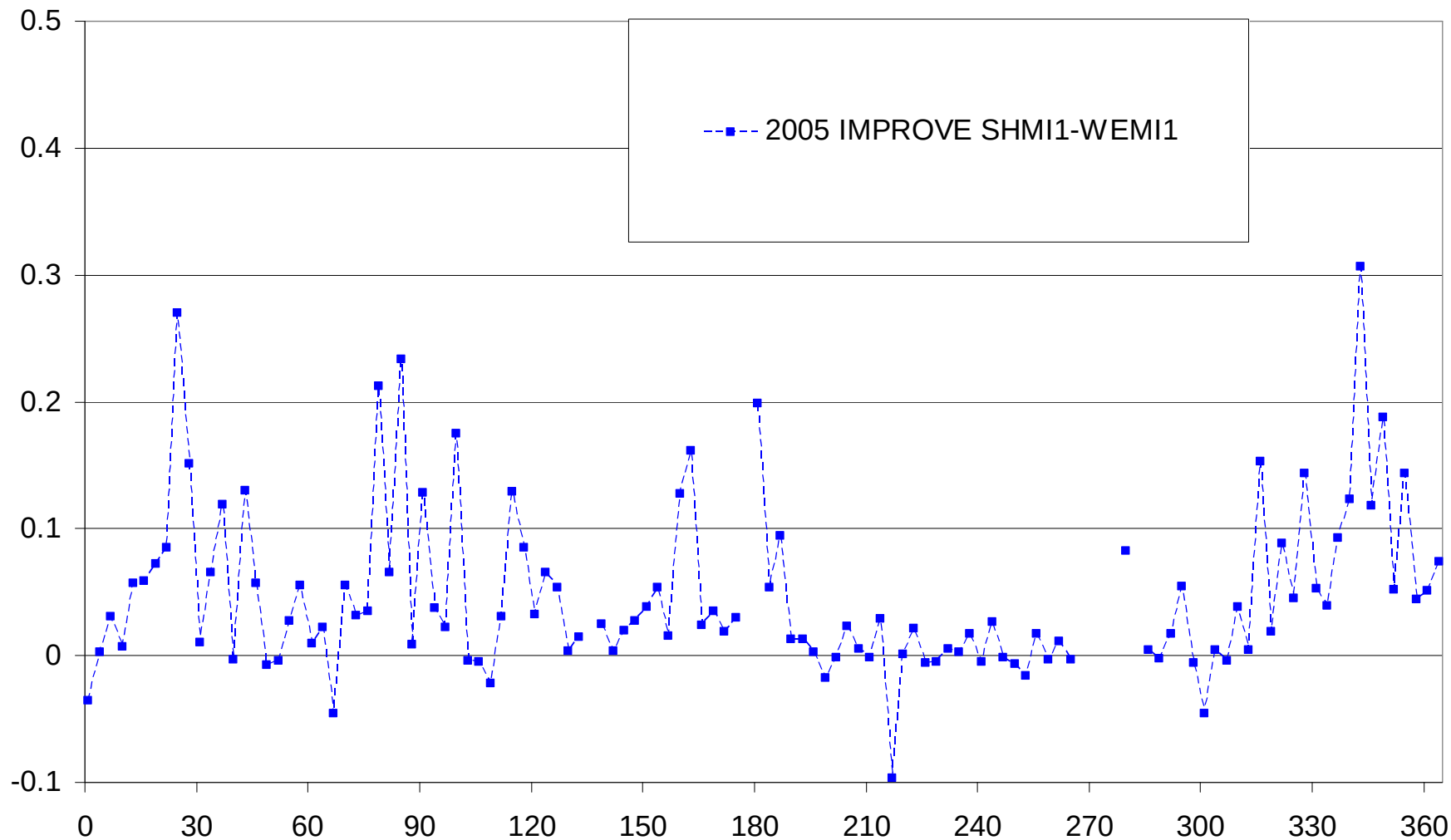
© 2005

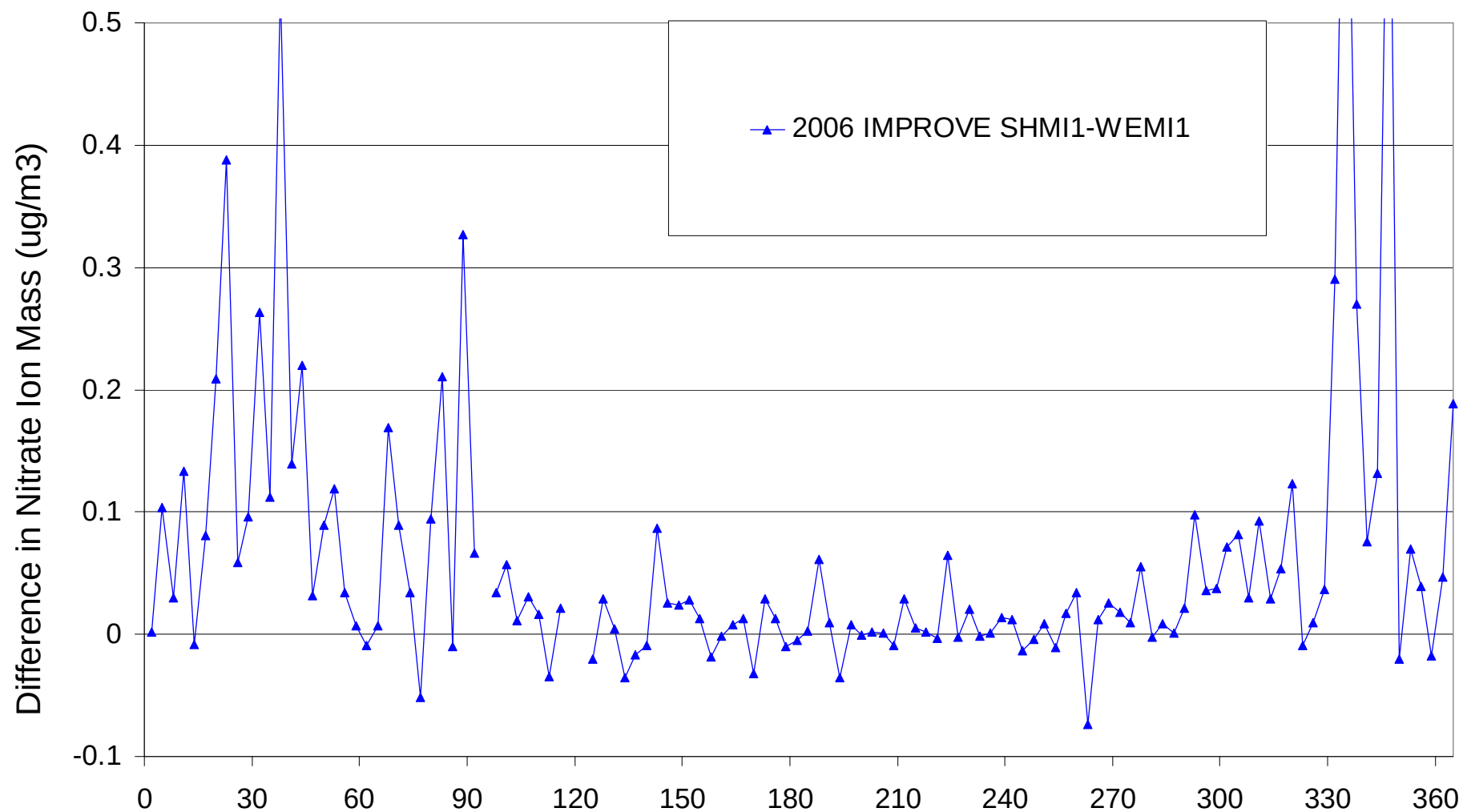
Google

Eye

Difference in Nitrate Ion Mass ($\mu\text{g}/\text{m}^3$)

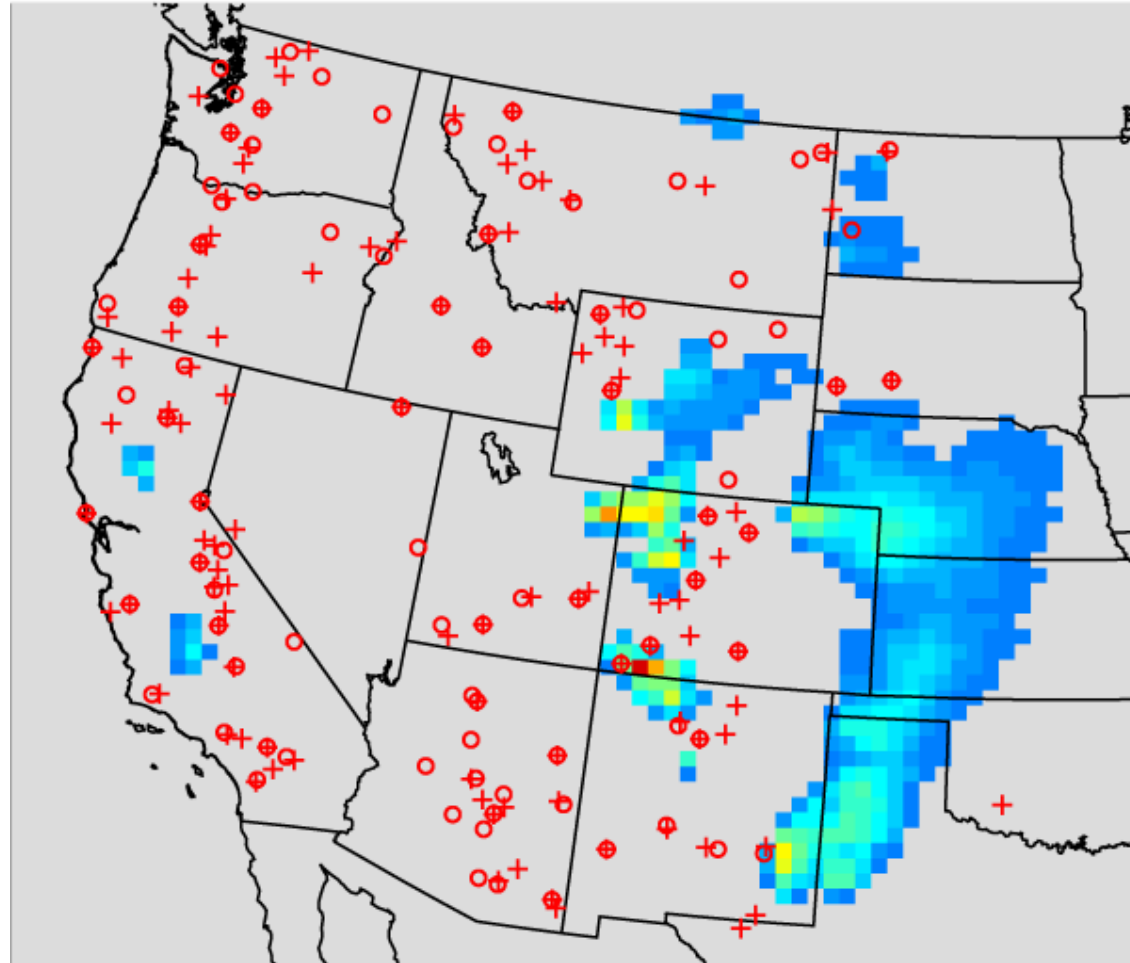
2005 IMPROVE SHMI1-WEMI1



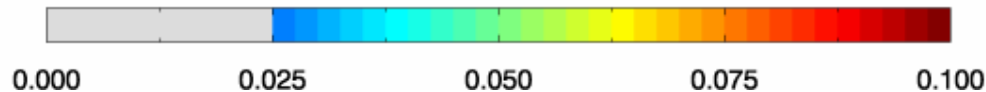


Barna and Rodriguez Preliminary CAMx Model Results for Nitrate Impacts from Oil and Gas – 2002 Model Year

Annual Average Difference

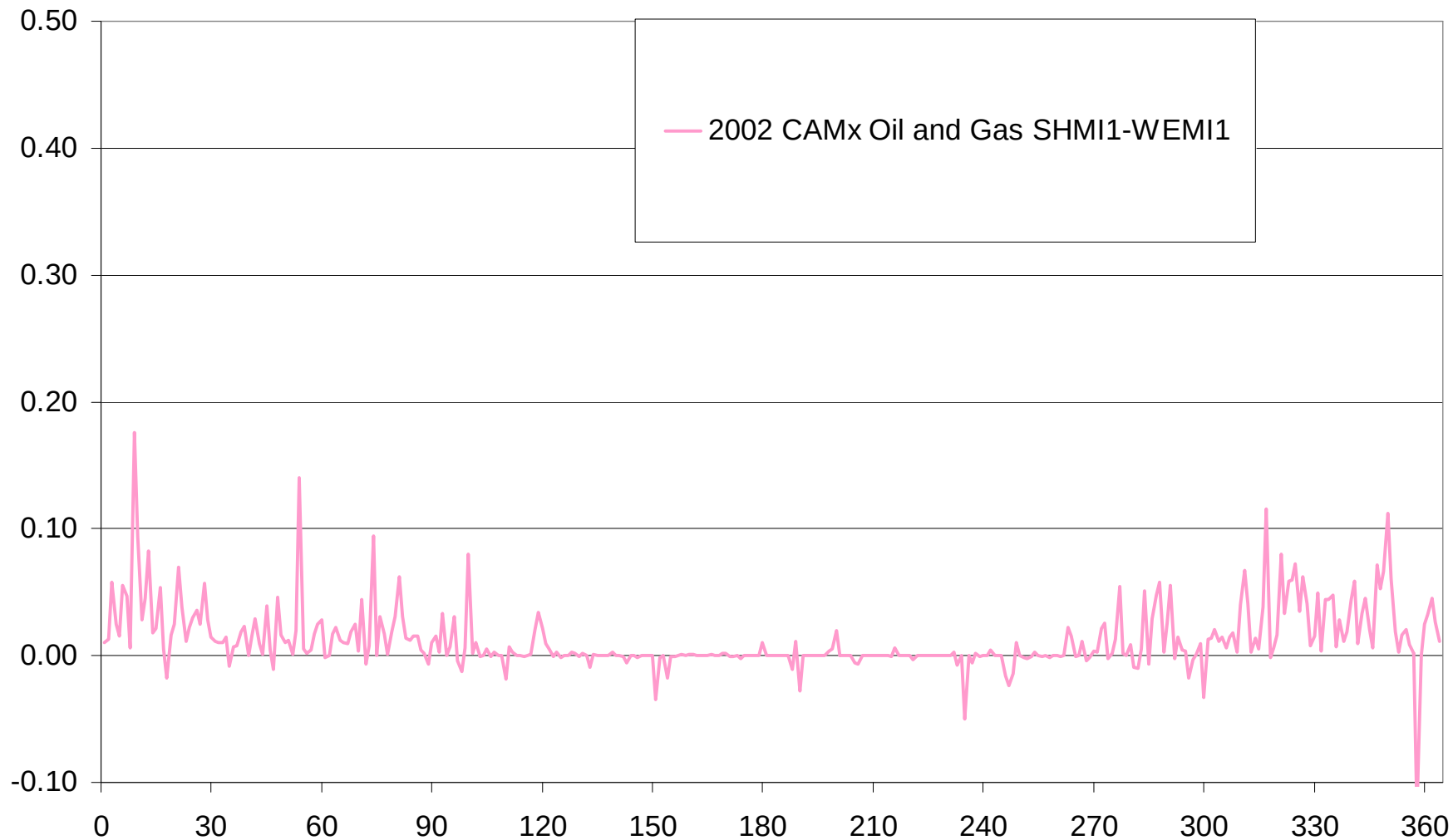


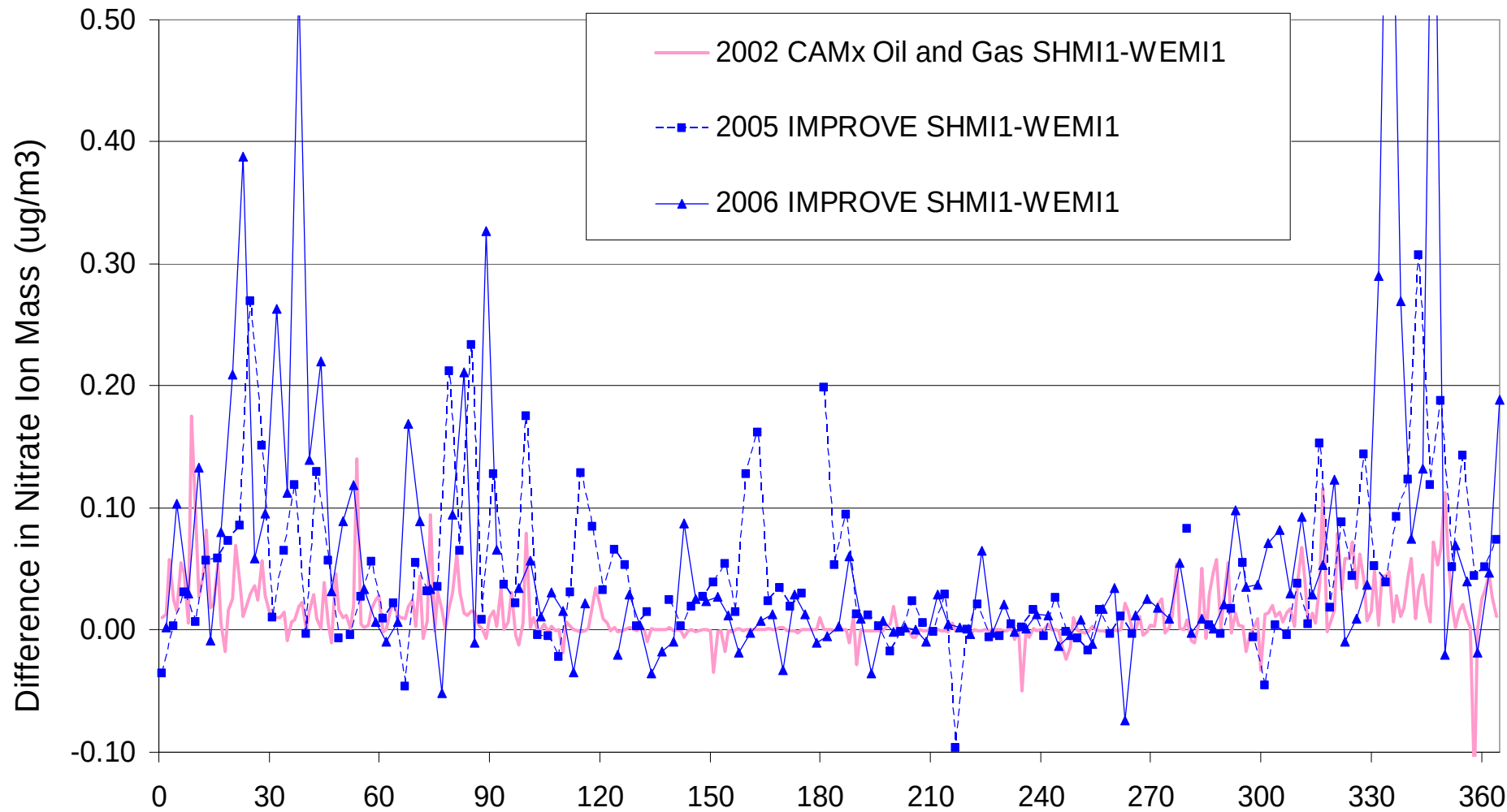
Difference ($\mu\text{g m}^{-3}$)



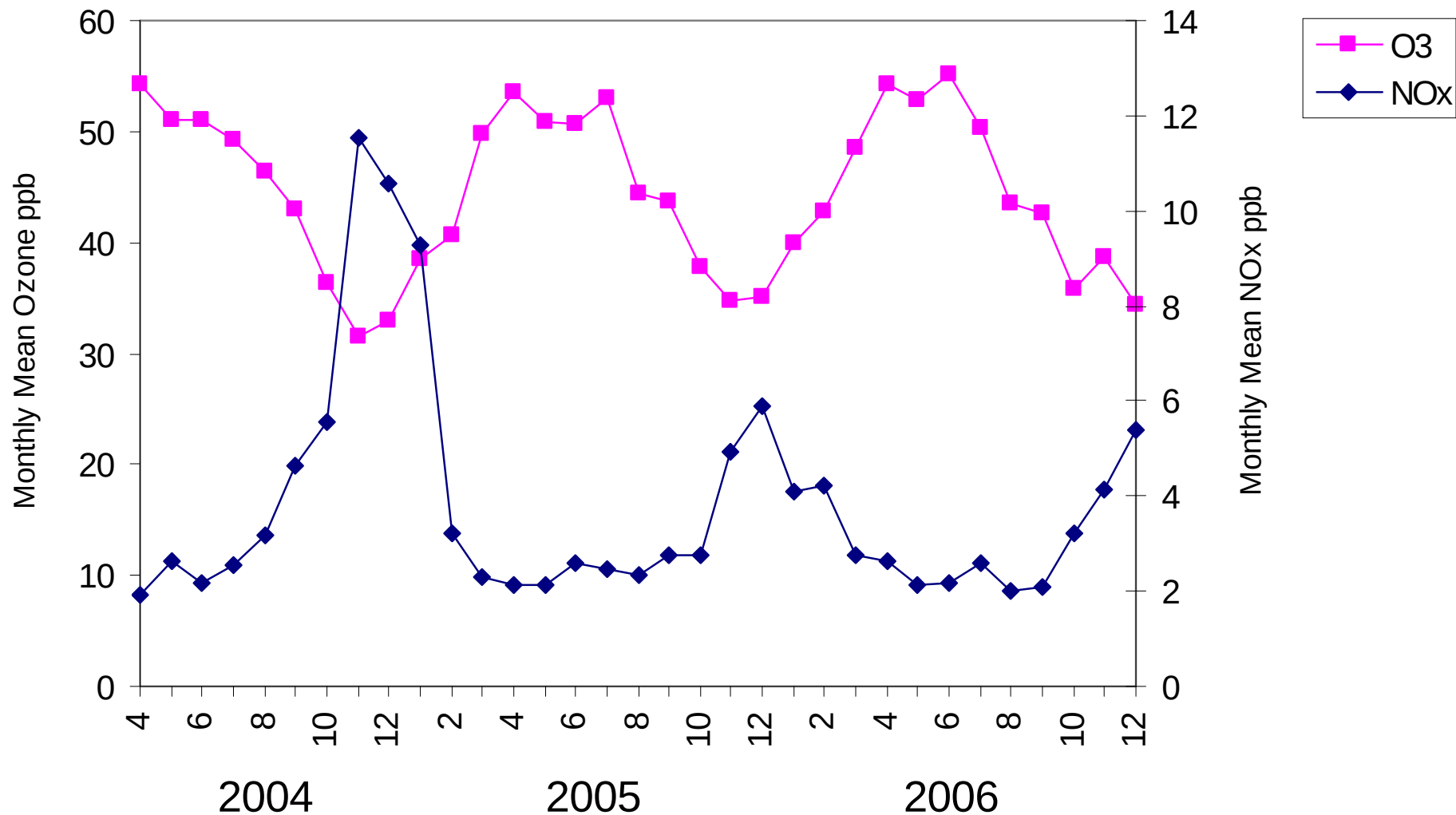
Difference in Nitrate Ion Mass (ug/m3)

2002 CAMx Oil and Gas SHMI1-WEMI1





Monthly Mean Ozone and NOx at Shamrock Mine Site 2004 - 2006



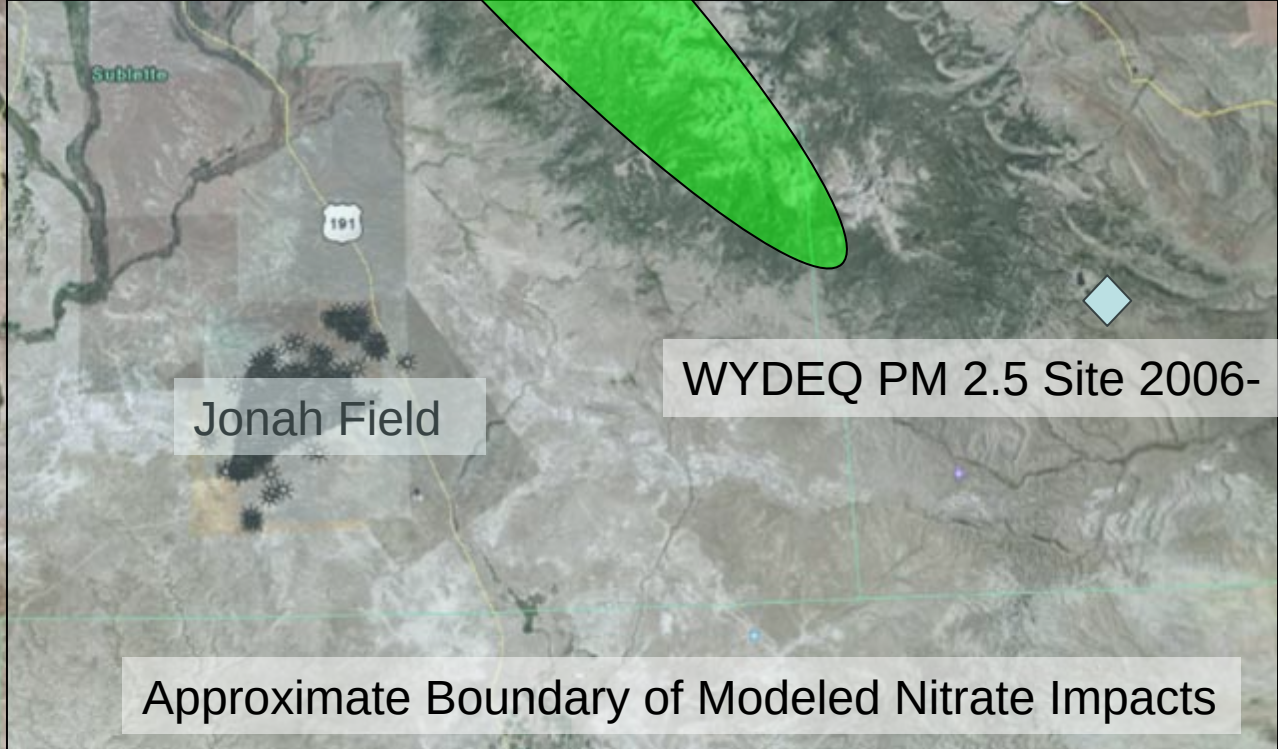
Rough location of Bridger Wilderness

BRID1 IMPROVE Site 1988-

WYDEQ PM 2.5 Site 2006-

Jonah Field

Approximate Boundary of Modeled Nitrate Impacts



Lincoln

Fremont



Oil and Gas in the West

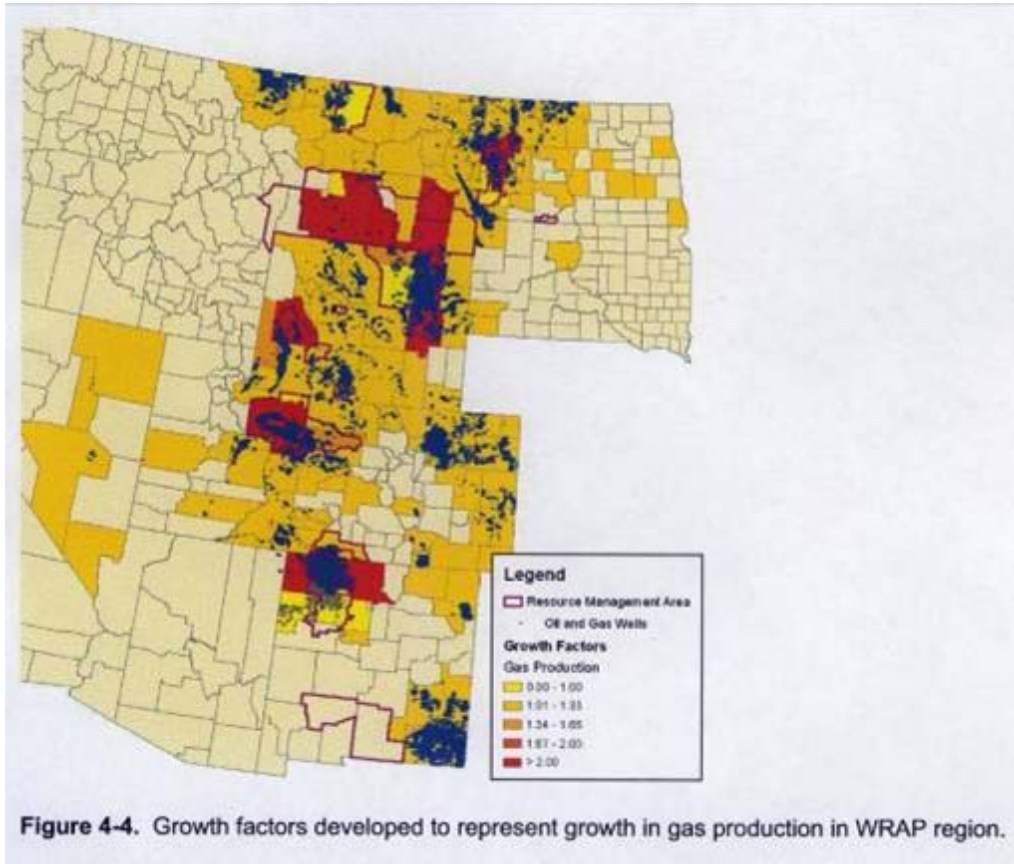


FIGURE 7

Regions of the U.S. sensitive to nitrogen deposition, including areas with acidic surface waters and nitrogen-saturated forests⁴⁵

