Highlighting Monitor: AGTI

Agua Tibia Wilderness

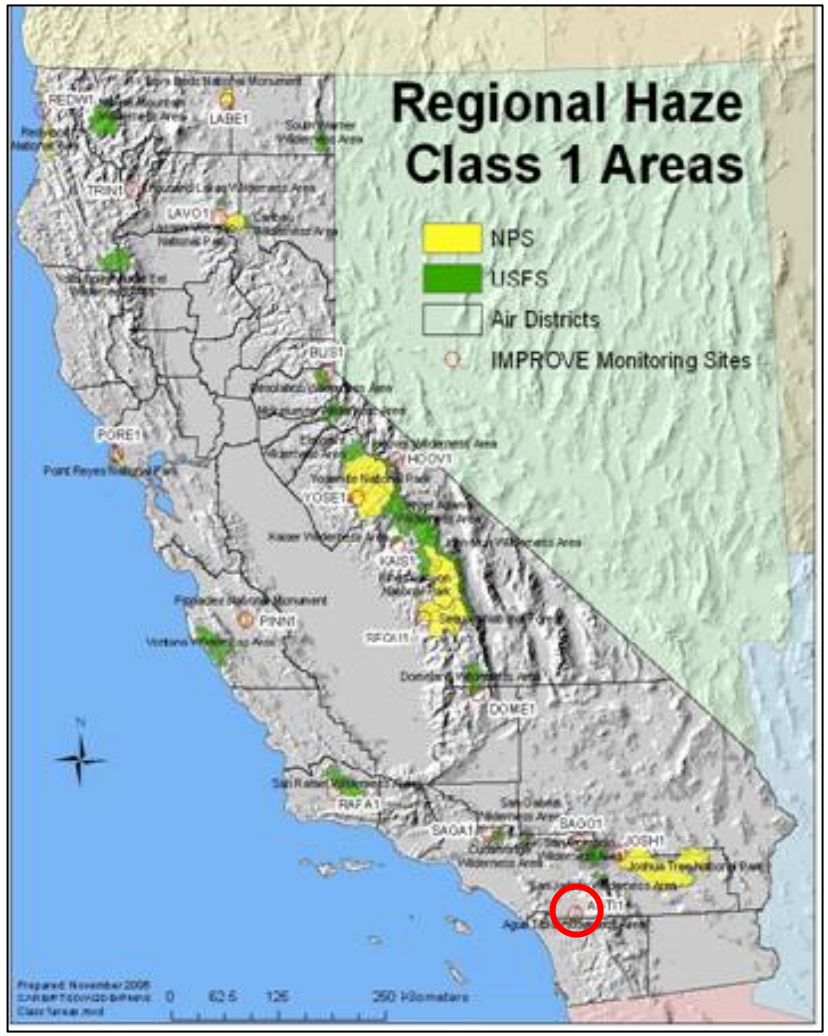
Preliminary Draft

December 17, 2007

Feedback appreciated:

Tina Suarez-Murias csuarezm@arb.ca.gov

Sylvia Zulawnick szulawni@arb.ca.gov



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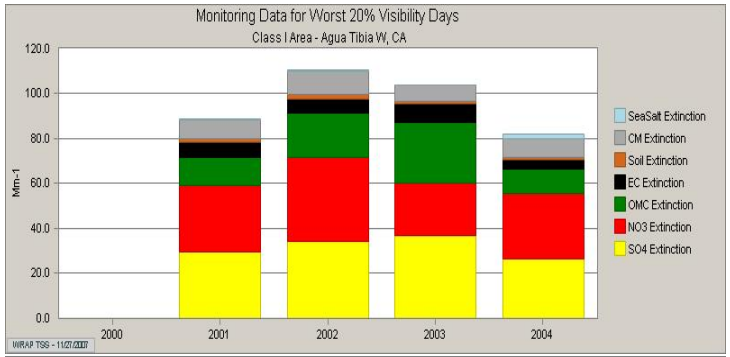

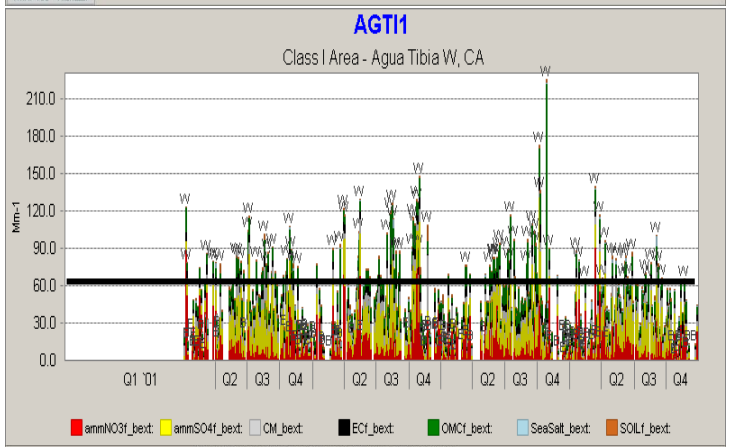

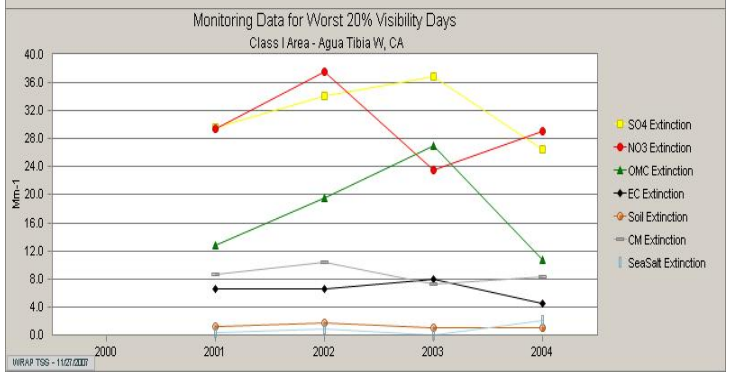

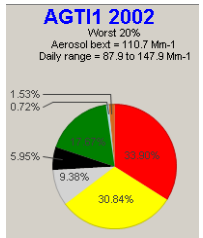

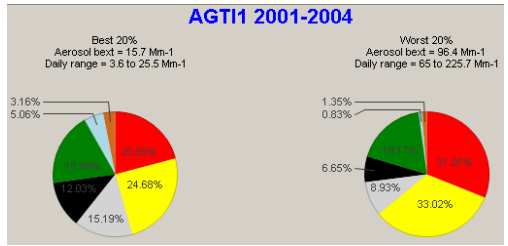

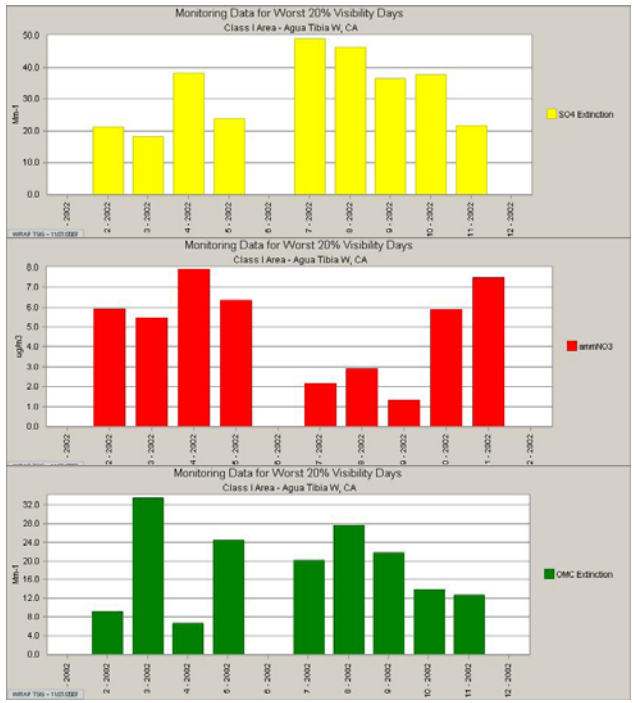

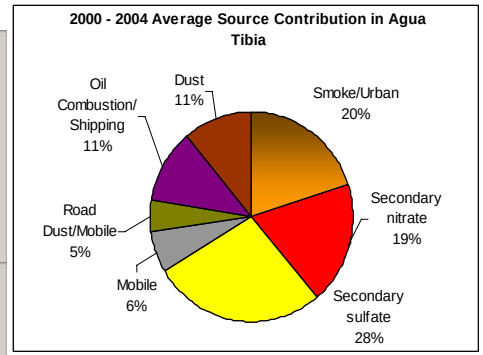

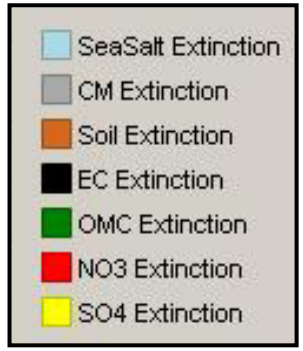

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Monthly:

Nitrate low in summer

Sulfate higher in summer

Annually:

Nitrate tracks with coarse mass, fine soil, sea salt

Sulfate, organic matter, elemental carbon track together

WORST DAY CUT-OFF IS IMPROVING!

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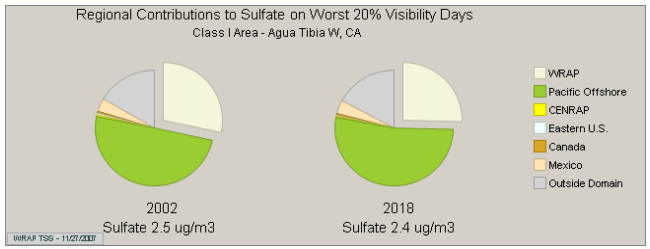
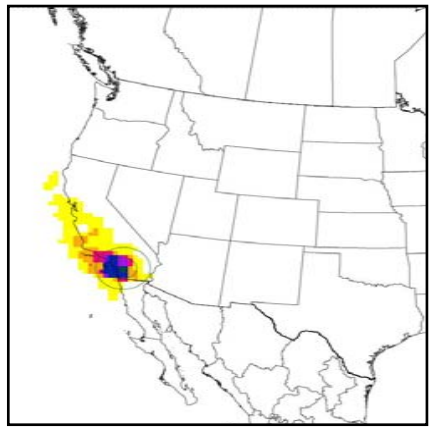
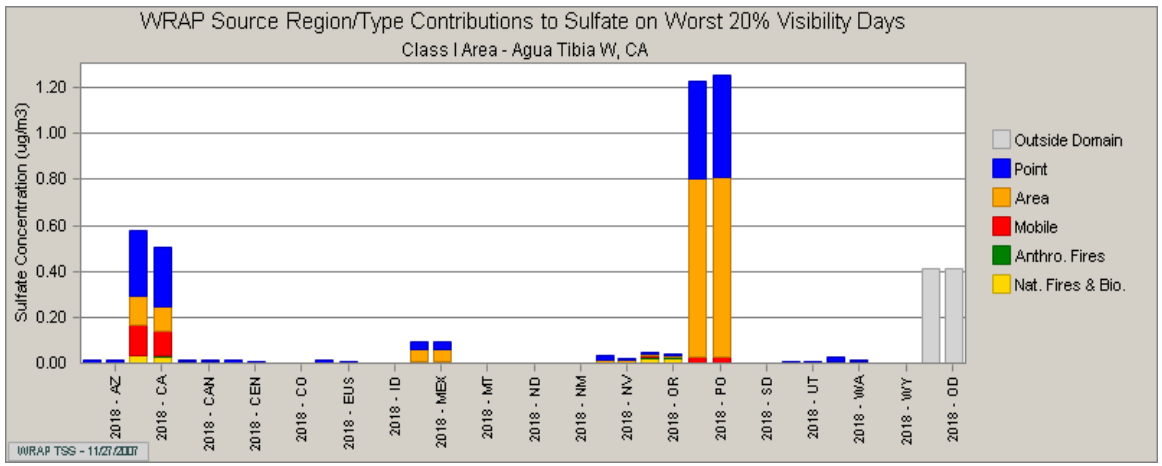


WRAP sulfate contributions decrease slightly by 2018

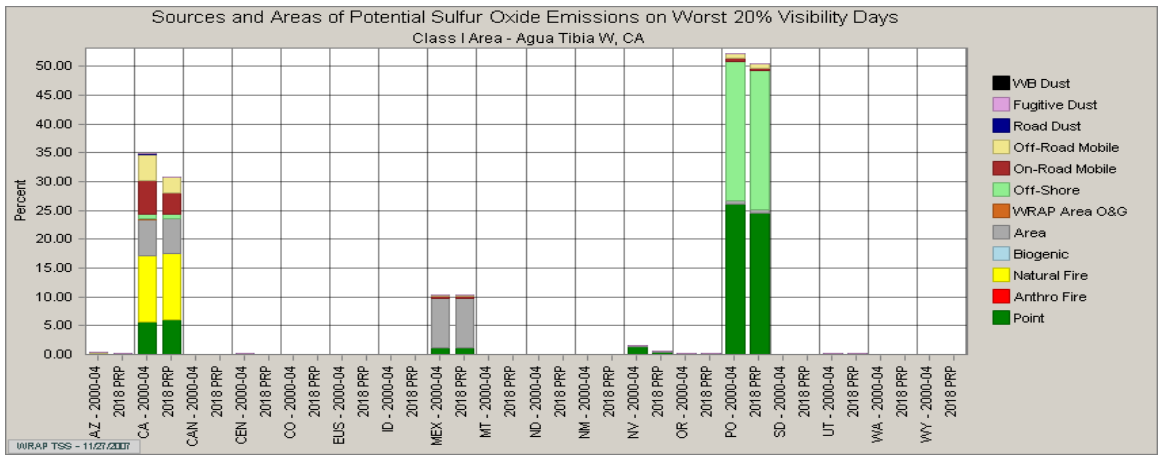
About ~75% of sources are still "uncontrollable"





About half of the sulfate contributions are from Pacific Offshore

Local sources are a mix of conventional sources



Relatively small contributions from natural fires (~10%)

On worst days, small contribution from Mexico

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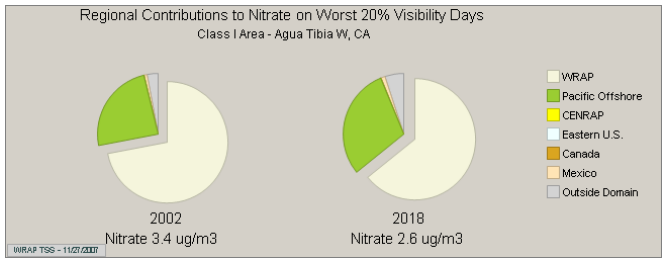
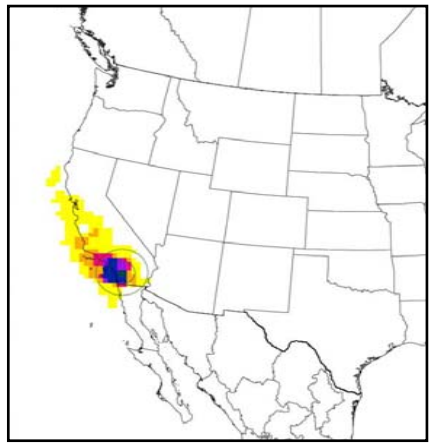
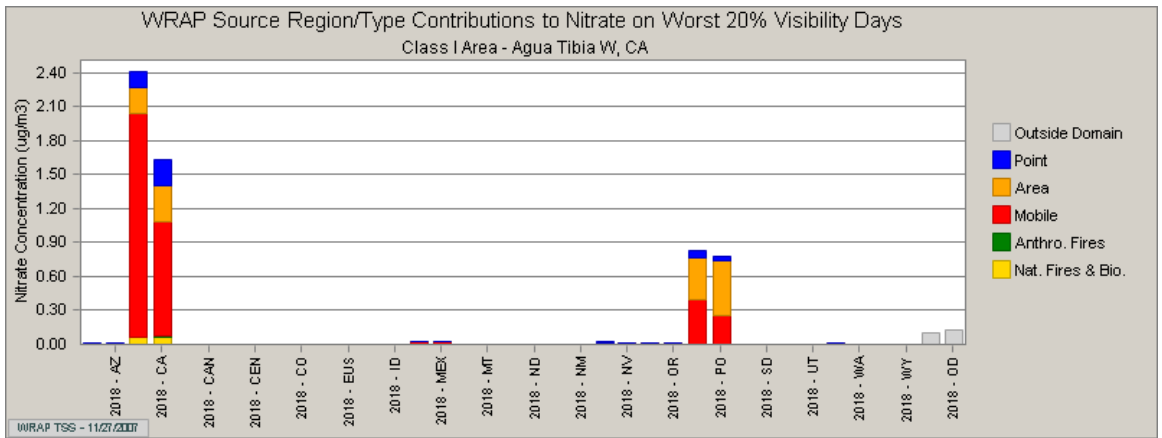
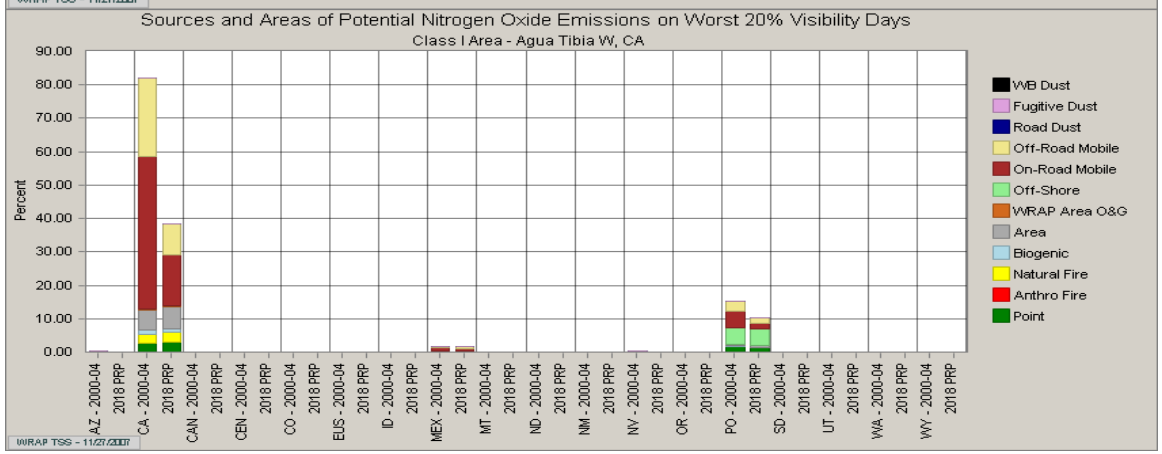


WRAP nitrate contributions decrease slightly by 2018

About ~65% of sources are still "uncontrollable"







Area and Mobile Sources account for most of the nitrates

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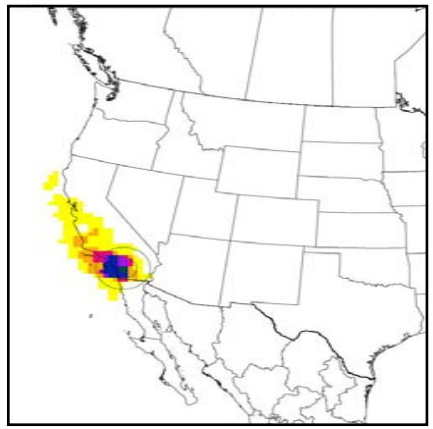

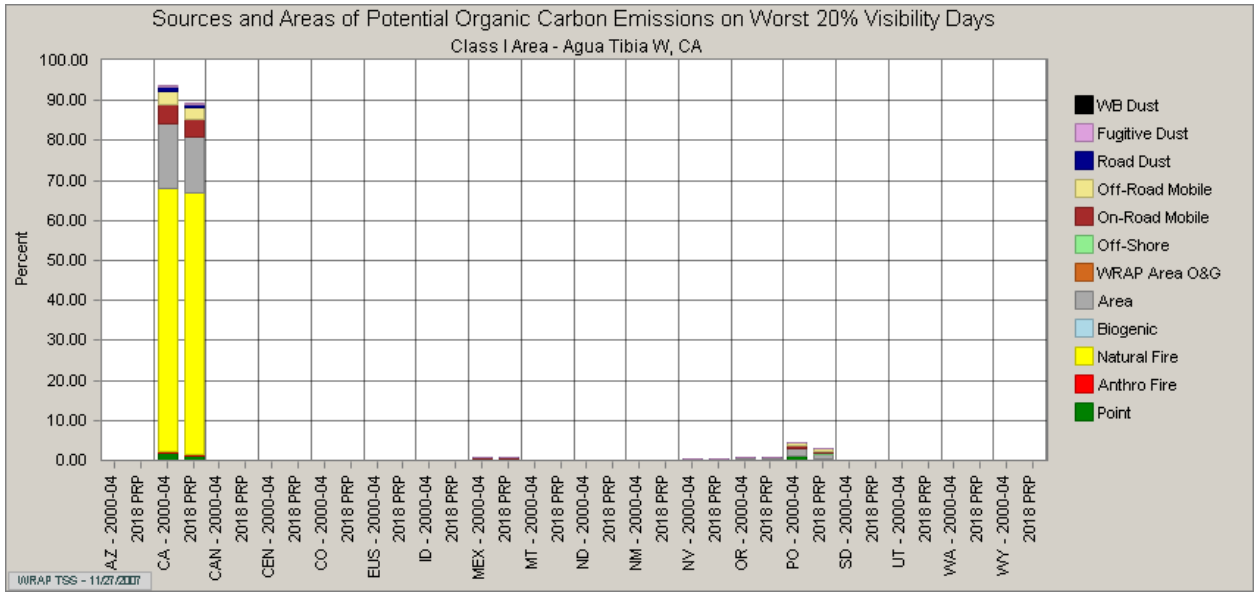

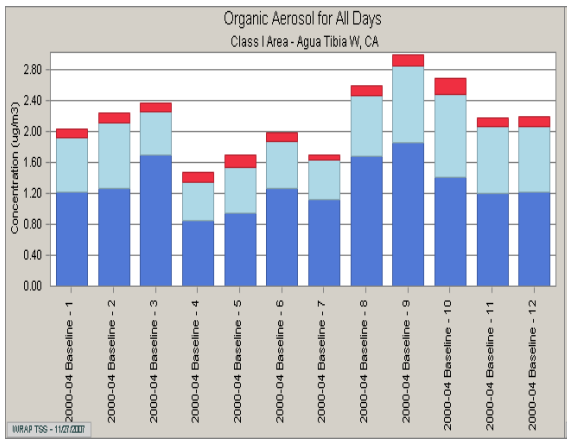

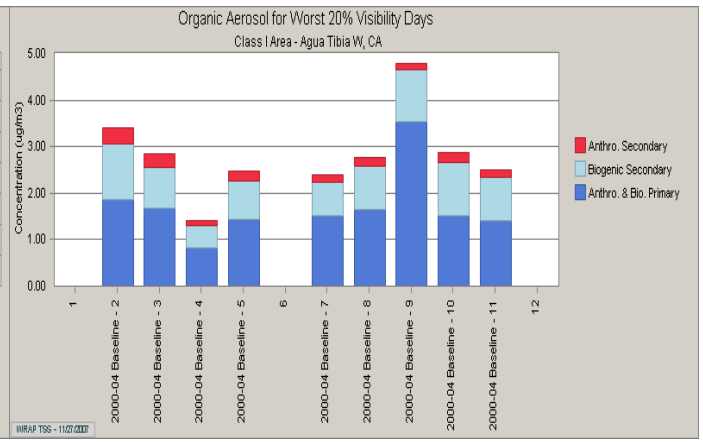

Baseline: All days Worst days

Natural Fires are predominate source of organics

Monthly pattern more like urbanized areas in terms of seasonal distribution

Organics do not drive worst days, although elevated in fire season

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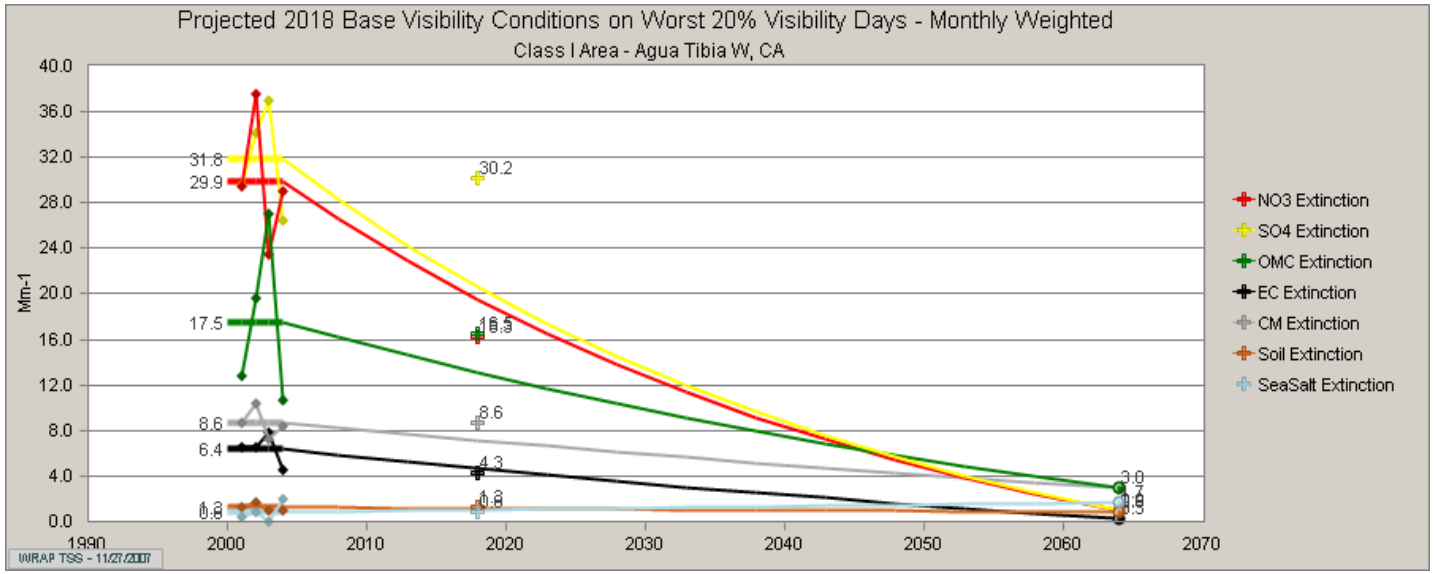
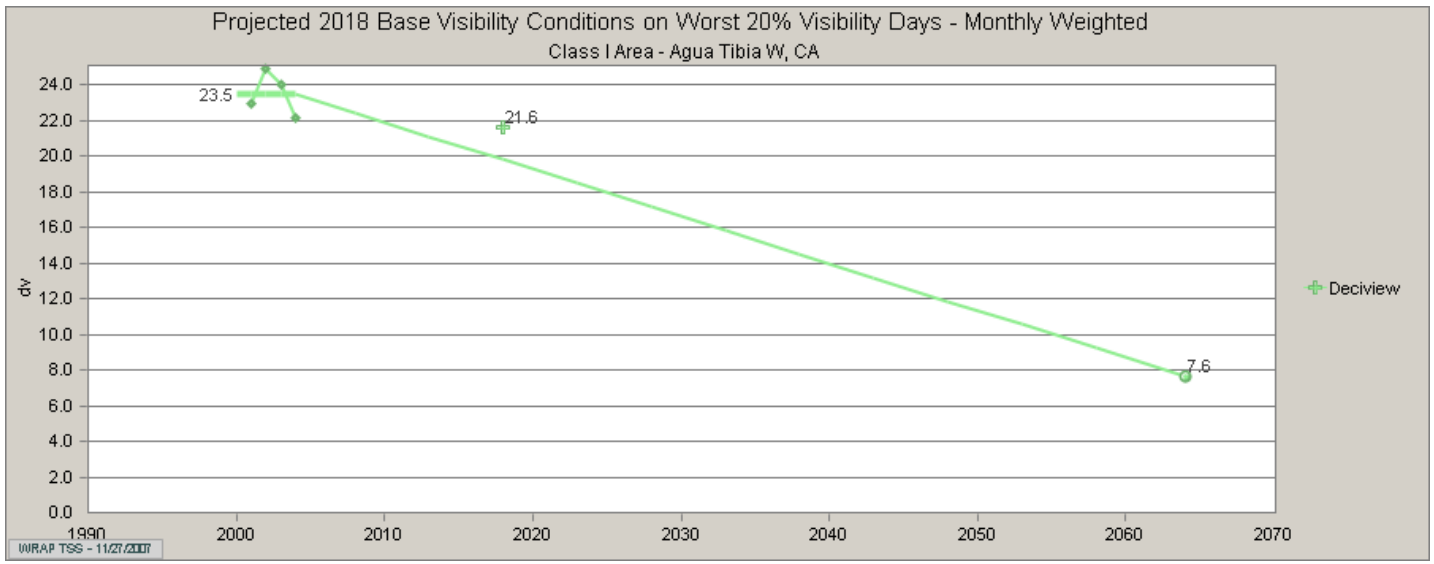


Sulfate is the driver at Aqua Tibia, sources predominately from offshore



Reductions in nitrates from mobile source controls have significant benefit

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