

Benjamin Ayres, PhD
Air Toxics Monitoring Lead
Oregon Department of Environmental Quality
Air Quality Monitoring



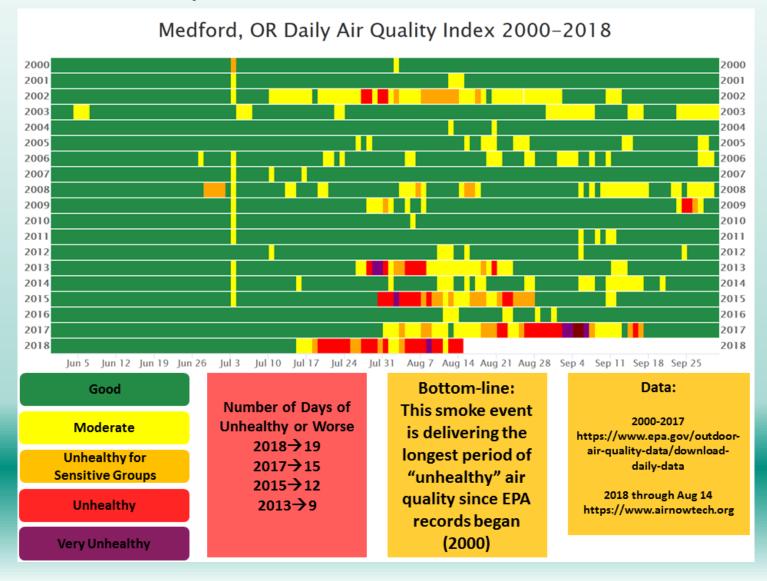
Air Toxics Station



- HiVol/LoVol Metals
- PUF/PAH
- Carbonyl
- MET
- VOC
- Cr⁶⁺
- Black Carbon
- PM

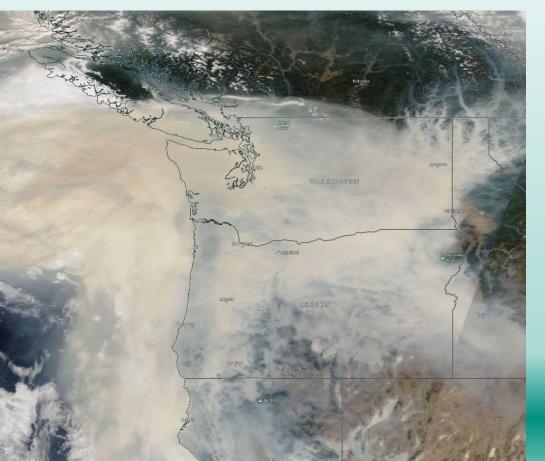


Wildfire History 2000 – 2018





Health Risks and Life Disruption





DEQ

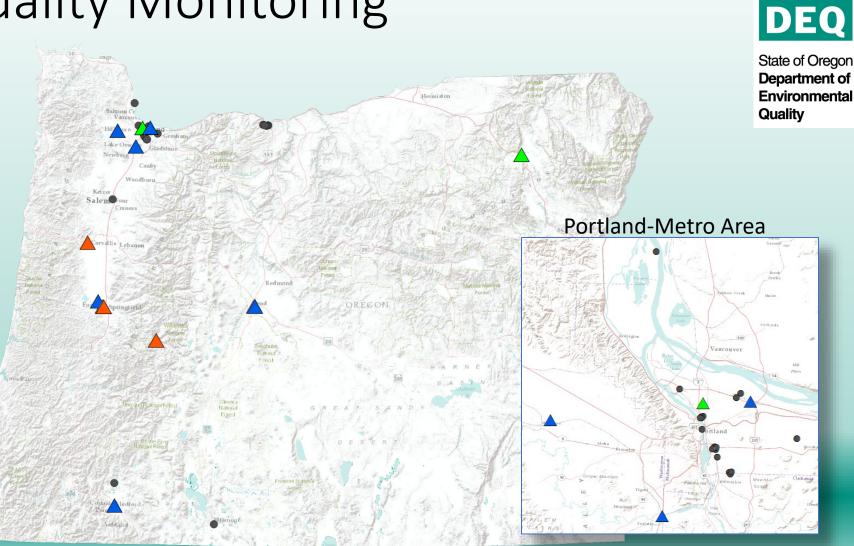
State of Oregon **Department of**

Environmental

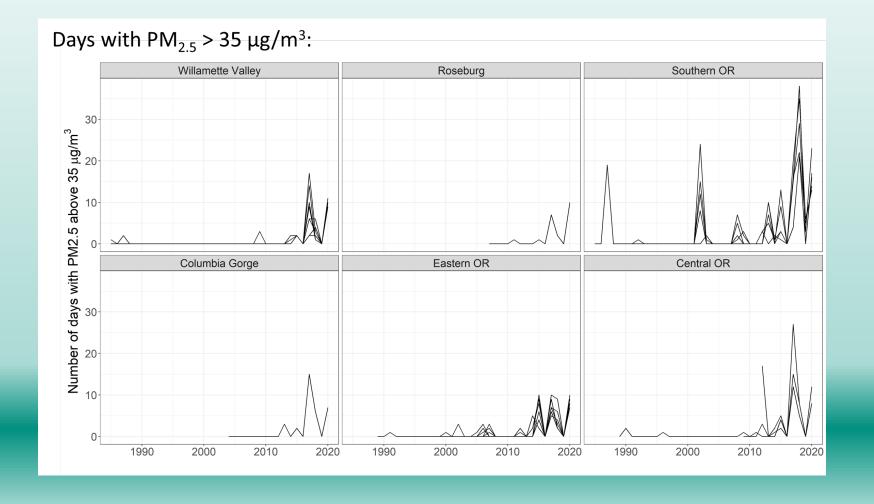
Quality

Oregon Air Quality Monitoring

- 2 NATTS
- 6 OATTS
- 1-4 AATS
- 50+ PM monitors
- 1 NAAQS
- 1 Near Roadway



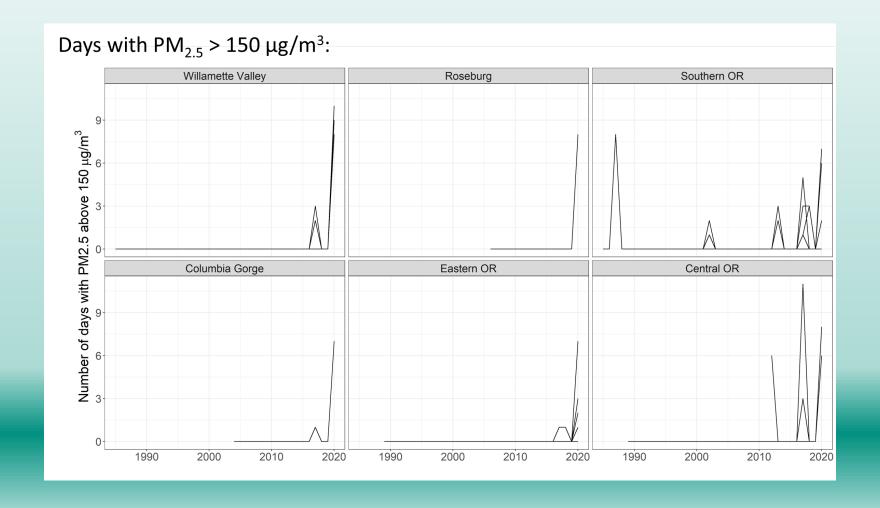
$35 \mu g/m^3 \text{ since } 1990$





Department of Environmental Quality

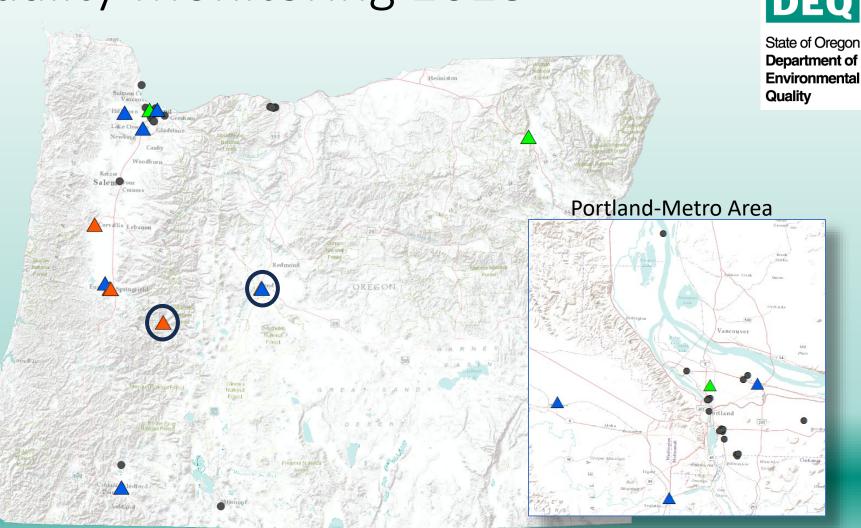
$150 \,\mu g/m^3 \, since \, 1990$



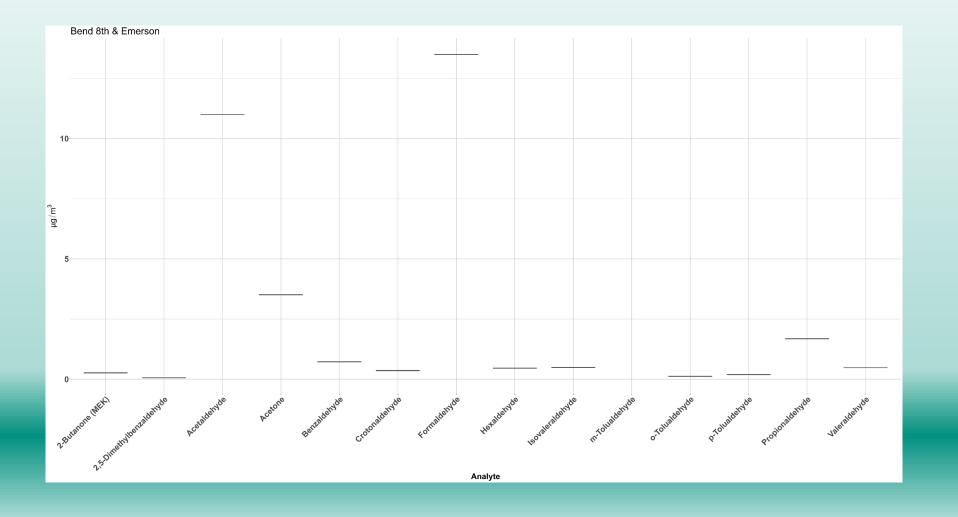


Oregon Air Quality Monitoring 2023

- 2 NATTS
- 6 OATTS
- 1-4 AATS
- 50+ PM monitors
- 1 NAAQS
- 1 Near Roadway

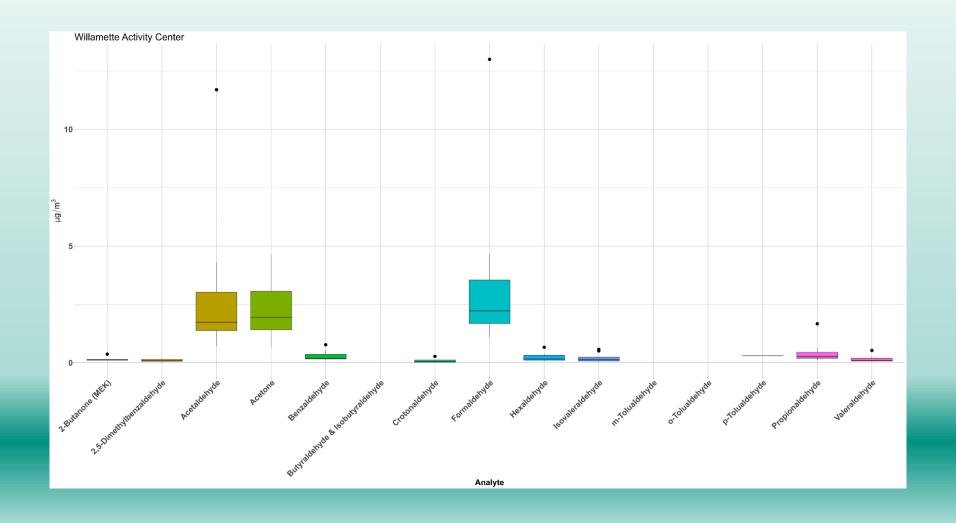


Bend AT 2023 Carbonyl



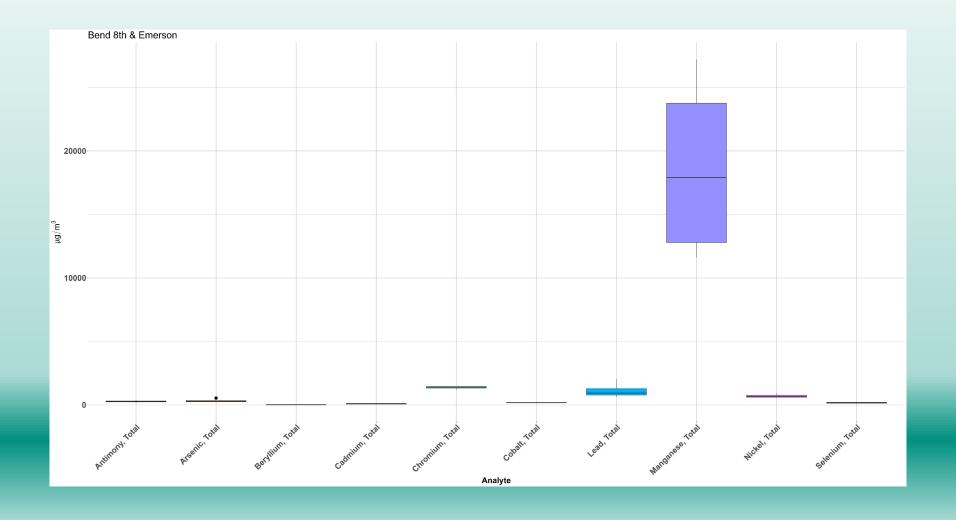


Oakridge AT 2023 Carbonyl



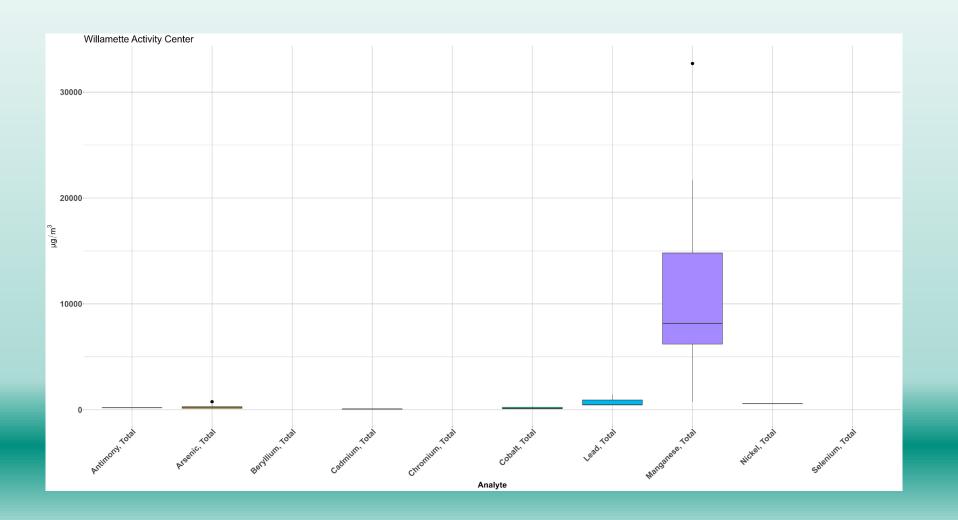


Bend AT 2023 Metals



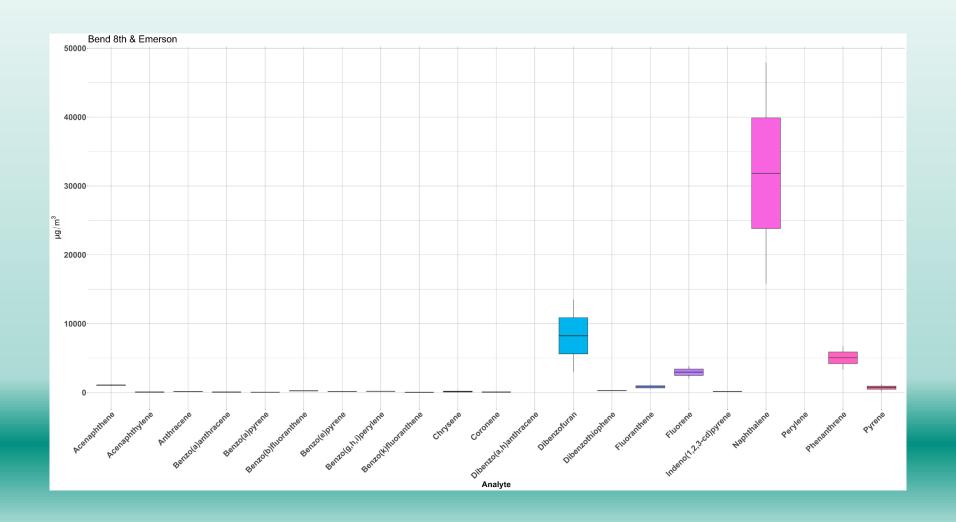


Oakridge AT 2023 Metals



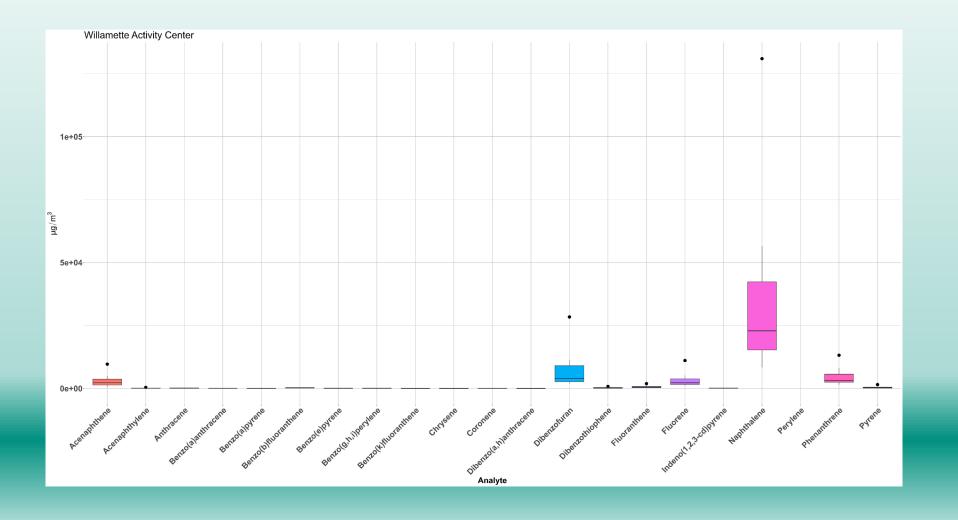


Bend AT 2023 PAH





Oakridge AT 2023 PAH





Oakridge AT 2023 VOC $^{\mathrm{g}}$ Tichtor duor duor de trate e fred duor de la constitución de la consti tetachiletting at the tiple to thorde 3.3.15. Title July Indicate Parkets Pa 2. Edyardor Asbutadene e tarilla de l'estratore prescribbilità de l'estratori de l'estrat

Analyte

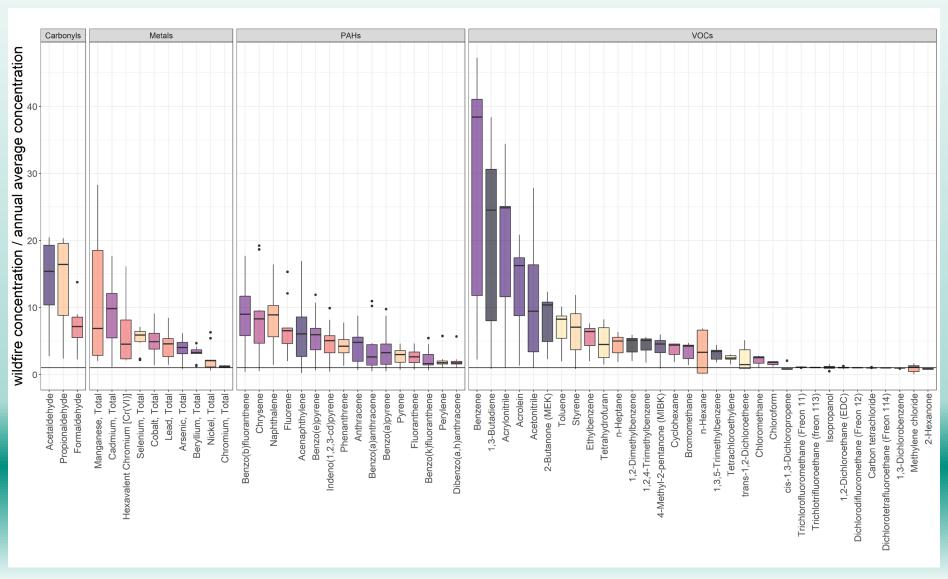
State of Oregon

Department of

Environmental

Quality

Poster Figure from 2020





Questions?





Thanks to:

David Broderick

Scott Peerman

Clara Funk

LRAPA

Benjamin.AYRES@deq.Oregon.gov

Oakridge AT 2023 VOC



