
Alaska Localization of EPA Modelled Emissions Data

Presented by:

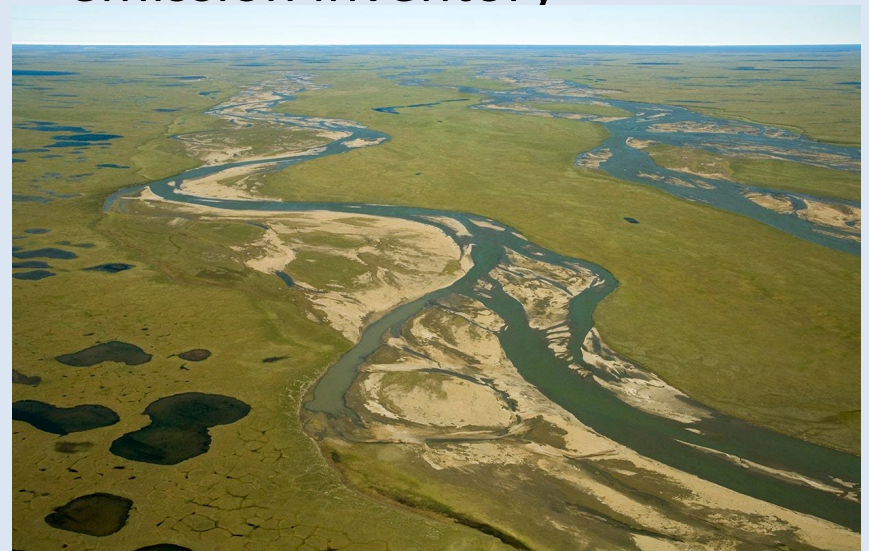
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Introduction

- The EPA modelled data sets provide activity data for the following categories of emissions:
 - Fire emissions
 - Semi-Truck
 - Hoteling/Parking Spaces
 - MOVES On-Road and Off-Road Emissions
 - Oil and Gas nonpoint emissions
- Review of data from a practical standpoint and with local knowledge, ADEC identified several aspects of EPA's modelled data that needed changed for emission inventory



Overview of Findings

Corrections based on local knowledge and data sets:

Fire Emissions – State multi-agency fire database

MOVES On-Road – long-haul hoteling emissions in communities accessible by air and water only. Unregistered vehicles in rural/native communities.

MOVES Off-Road – Deleted railroad, logging, agriculture emissions in census areas with no railroad, trees, or agriculture.



Road and Port Map of Alaska



Photo Courtesy of Yukon Info. Available at: <https://www.yukoninfo.com/yukon-southeast-alaska-northern-british-columbia-maps/alaska-map/>

Conclusion of Findings

- Although these QA/QC checks do not take long, they are vital to ensuring accuracy in EPA NEI conclusions.
- General and easy adjustments but more improvements could take time.
- Surveys or additional research can improve data (surveys to review actual number of vehicles in a community, surveys/research on actual use of hotel hours/parking spaces in some census areas, phone call verification on internet search for agricultural greenhouses and off-road vehicles.)
- Use of institutional knowledge and internet research to verify data results.
- Review process helped to identify State agency documentation improvement needs.

Thank you!

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Non-Point Mobile Sources

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