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Survey of On-Road Diesel Truck Activity in West Oakland

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Bay Area Air Quality Management District

CARE Task Force Meeting

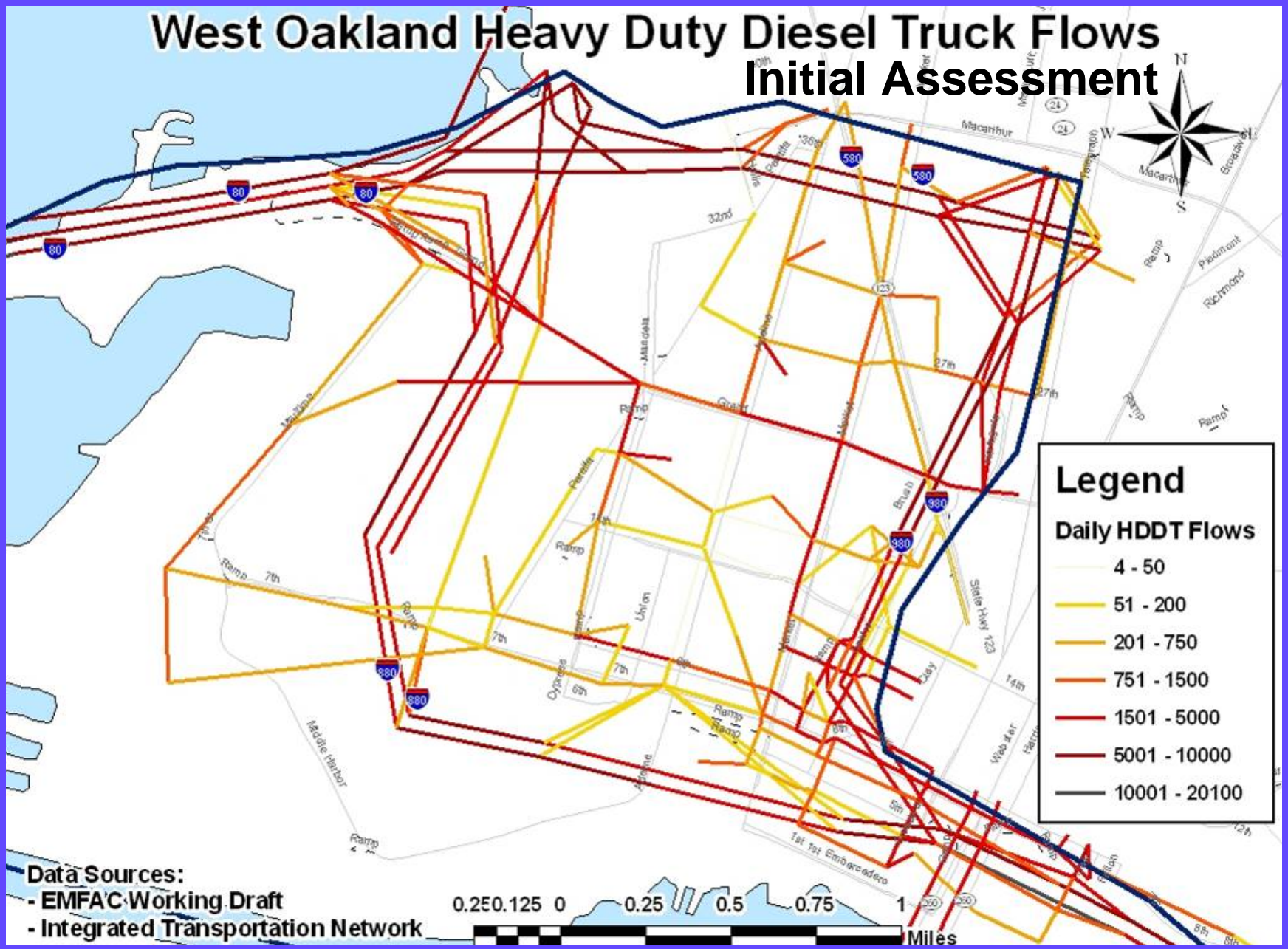
July 24, 2007



Overview

- **Current roadway network used for West Oakland health risk assessment (HRA) is coarsely resolved, especially on smaller roadways**
- **Activity data of on-road trucks may not be realistic**
- **Idling locations and duration may not be realistic**
- **This may impact the HRA**

West Oakland Heavy Duty Diesel Truck Flows Initial Assessment



Data Sources:
 - EMFAC Working Draft
 - Integrated Transportation Network

0.25 0.125 0 0.25 0.5 0.75 1 Miles

Contract to Survey On-Road Diesel Truck Activity

- **Contract awarded to Sonoma Technology Inc. (STI)**
- **Seek to support community and student participation in surveying work**
- **Kick-off meeting: August 2007**
- **Project complete: May 2008**

Scope of Work

- Produce project Work Plan
- Map West Oakland roadways
- Estimate truck volumes and speeds along roadways
 - Estimate heavy-duty truck traffic on local streets
 - Work with community on surveying
- Identify truck idling locations & duration
- Collect data to estimate truck age
- Format data to estimate diesel truck emissions



Refine HRA Modeling for On-Road Trucks

- Use survey results to update diesel PM emissions estimates used for West Oakland HRA
- Refine HRA modeling for on-road trucks in Part 3
- Improve estimate of local, on-road trucks' contribution to annual risk