



**BAY AREA
AIR QUALITY
MANAGEMENT
DISTRICT**

*Committed to Achieving Clean Air to Protect
the Public's Health and the Environment*



CARE Program Status & Update

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Bay Area Air Quality Management District

CARE Task Force Meeting

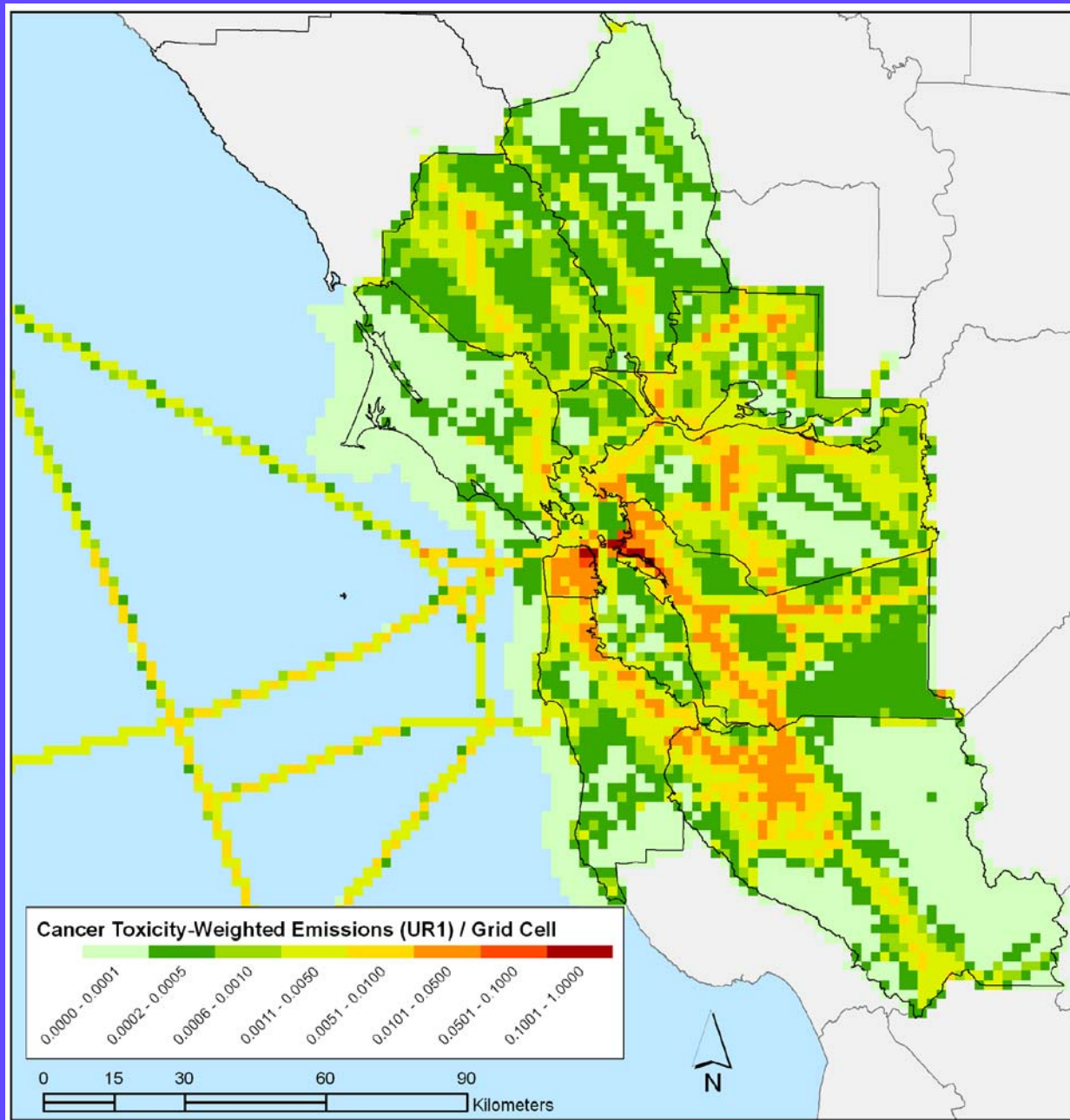
March 4, 2008



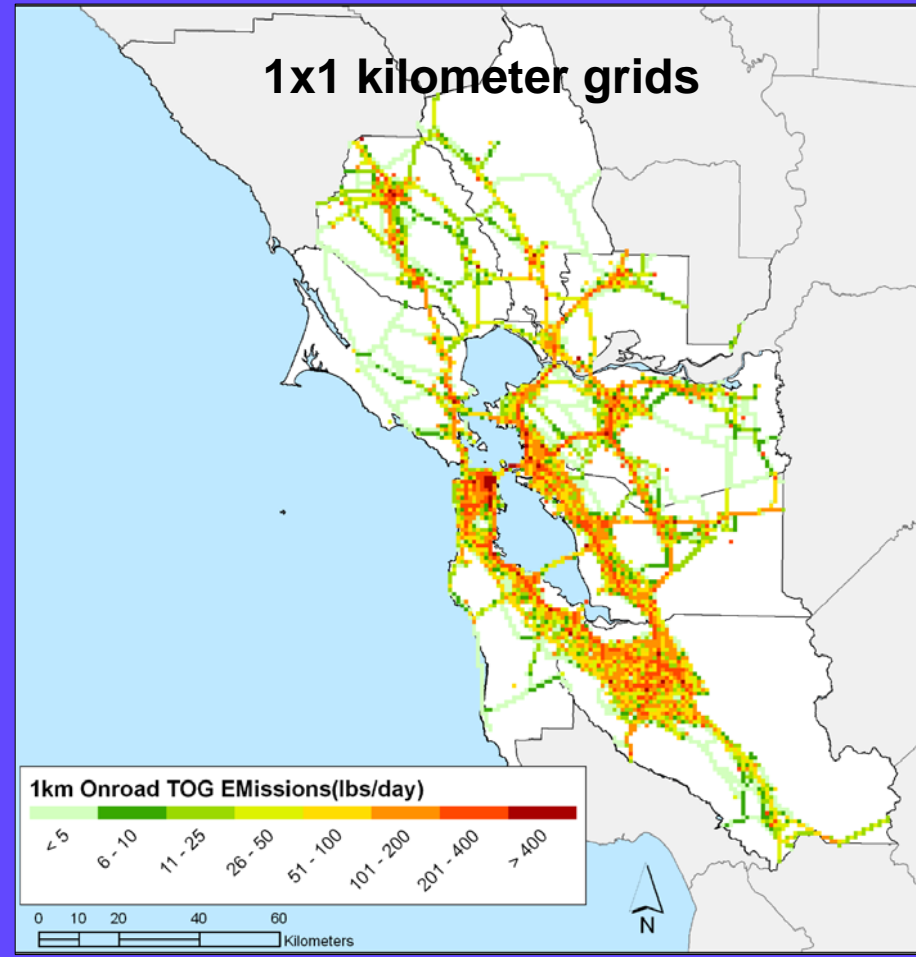
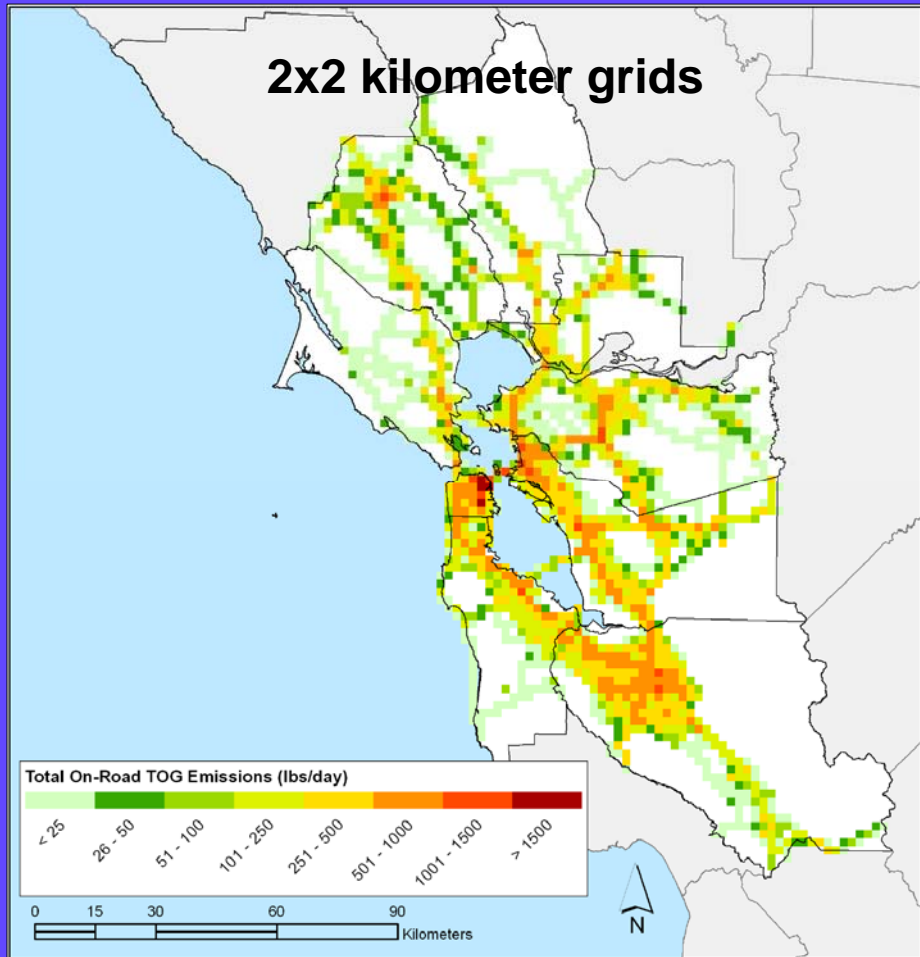
Overview

- Regional TAC emissions updates completed
- GPS data obtained to aid with West Oakland truck survey
- Meeting on West Oakland health risk assessment results scheduled
- CARE Mitigation Action Plan progressing

Total Cancer Risk- Weighted Emissions: Update from Year 2000 to Year 2005



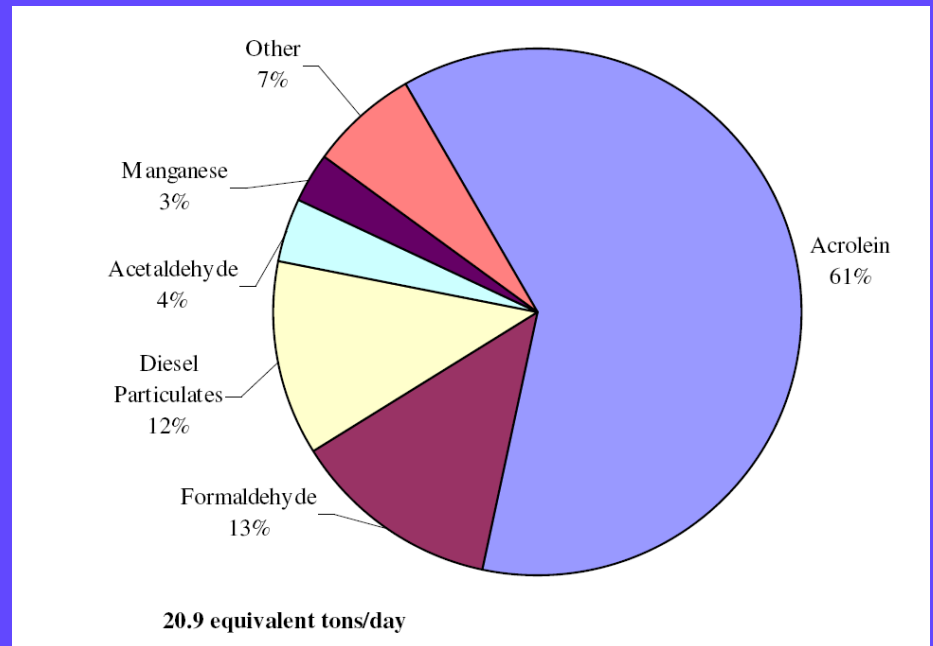
More Resolution Available in Updated Emissions



New Speciation of Organic Gases from Diesel Exhaust → More Risk from Diesel

- Old speciation: acrolein in gasoline and aircraft exhaust
- New speciation: acrolein also diesel in diesel exhaust
- Diesel exhaust gases a significant source of chronic and acute risk, in addition to the risks from diesel particles

Chronic, Non-cancer Risk Weighted Emissions
Year 2005



GPS Port Truck Study

- The objectives of the study:
 - Improve efficiency of goods movement in Bay Area
 - Reduce Port of Oakland and regional congestion
 - Mitigate impact of truck traffic in neighborhoods
 - Evaluate effectiveness of appointment system
- GPS real time truck movement data for over 300 trucks representing 14 truck companies
- Location coordinates collected every 2 minutes
- Study conducted from 2006 to 2007
- Air District is using GPS data to help design West Oakland truck survey

GPS Data Used to find High Density Areas



West Oakland HRA Results

- Modeling completed
- Risk levels calculated for each source category in the emissions inventory
 - Parts 1, 2 and 3
- Community meeting to be scheduled for March 2008 to present HRA results