Mobile Monitoring Platform Update

California Air Resources Board/UCLA
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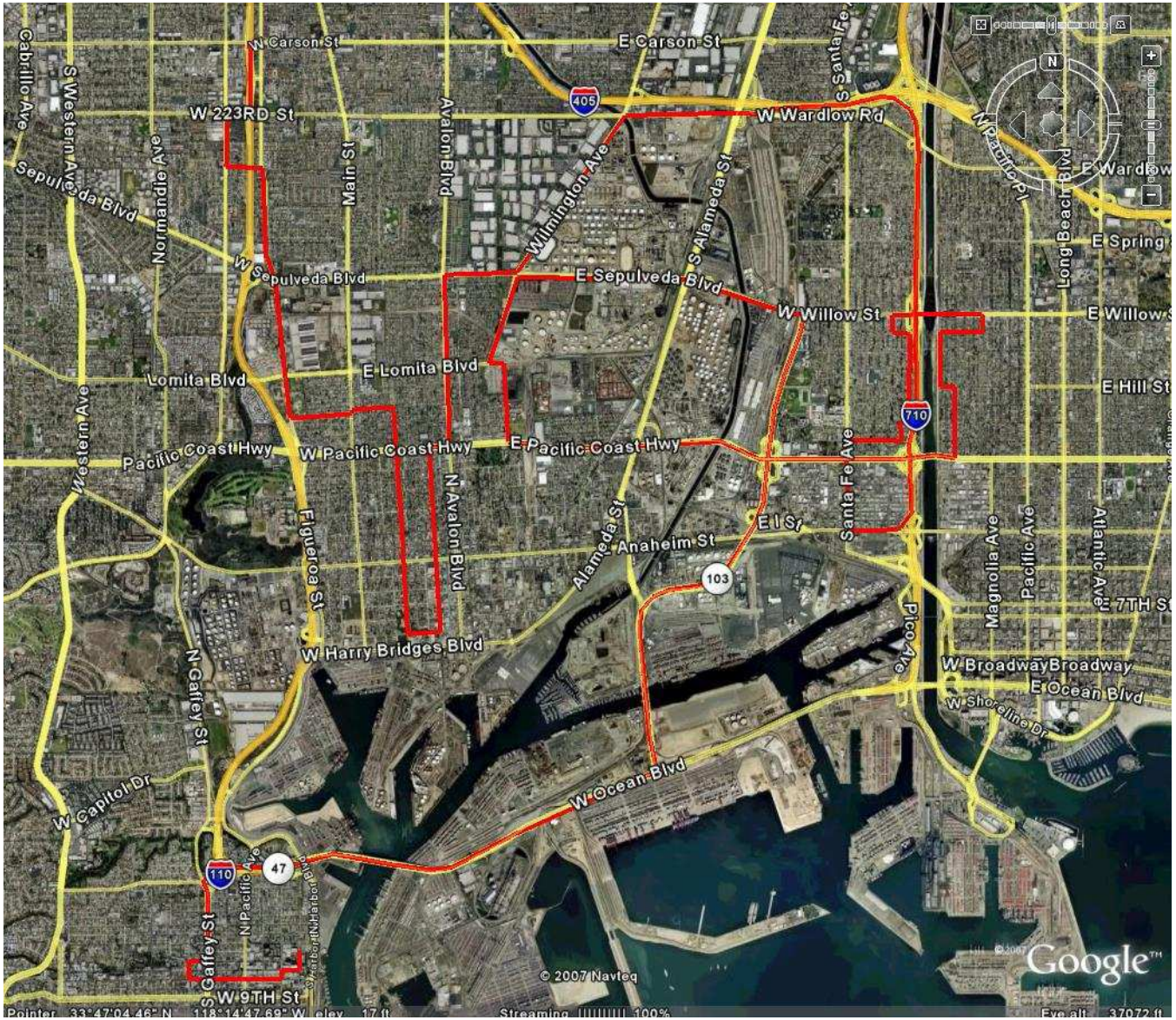
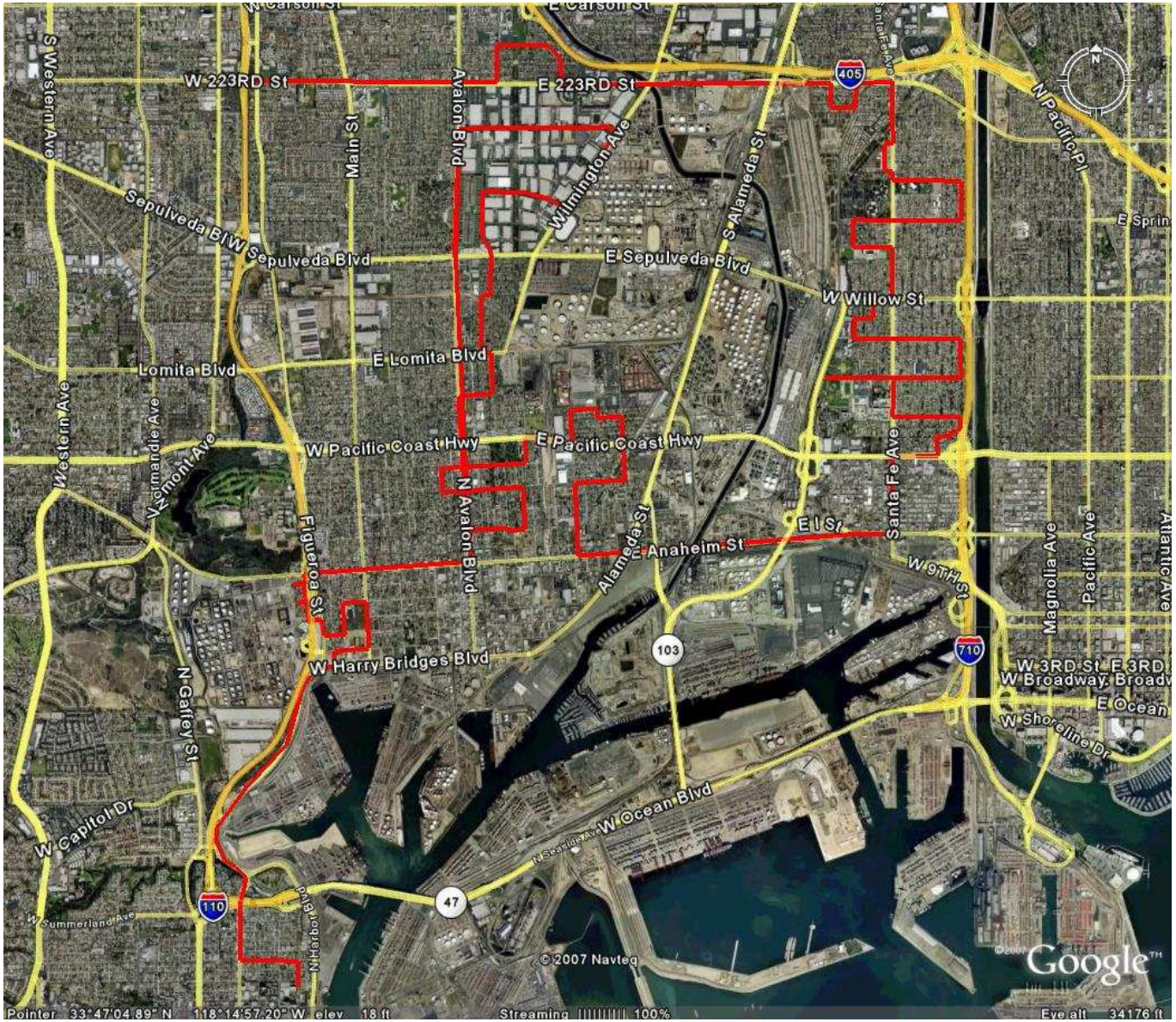
Mobile Platform

- Overall Goals
  - Tool for assessing community exposure
  - Local versus regional sources
- Main Study
  - Winter Sampling February-March 2007
  - Summer Sampling July-August 2007
- Methods
- Results (DRAFT)

Port/Freeway/Truck Route

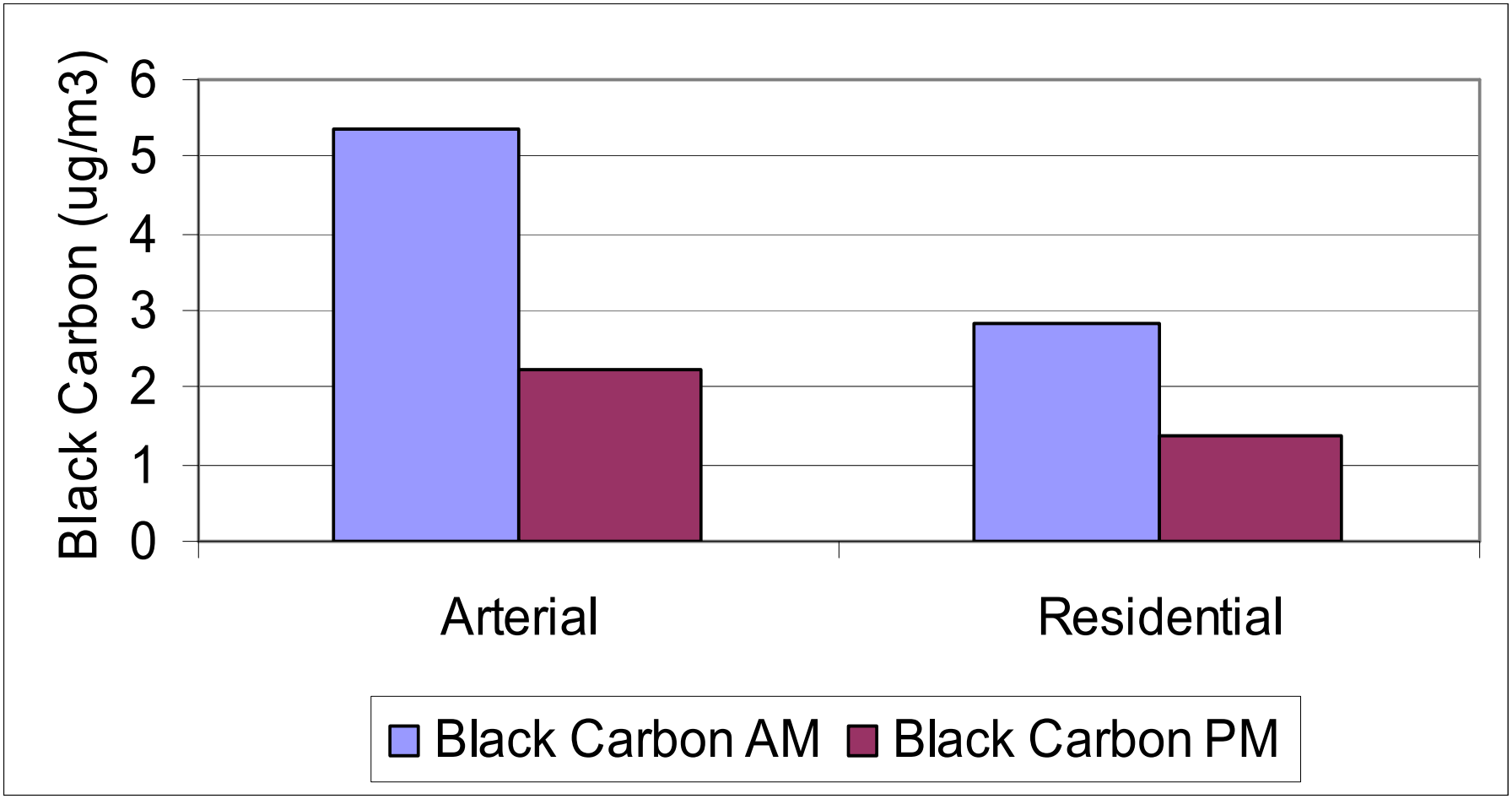


Residential Route

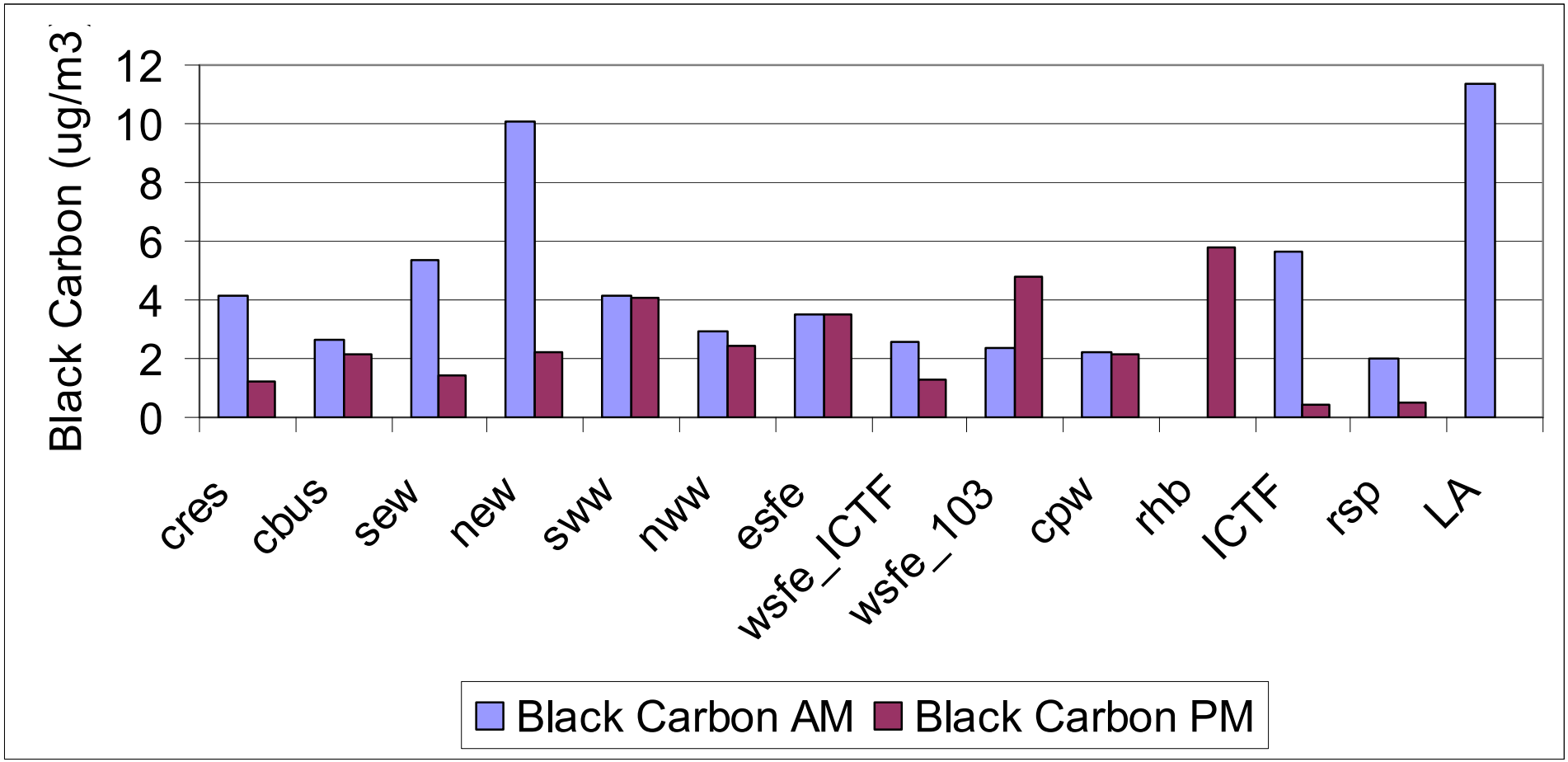


DRAFT Winter Results

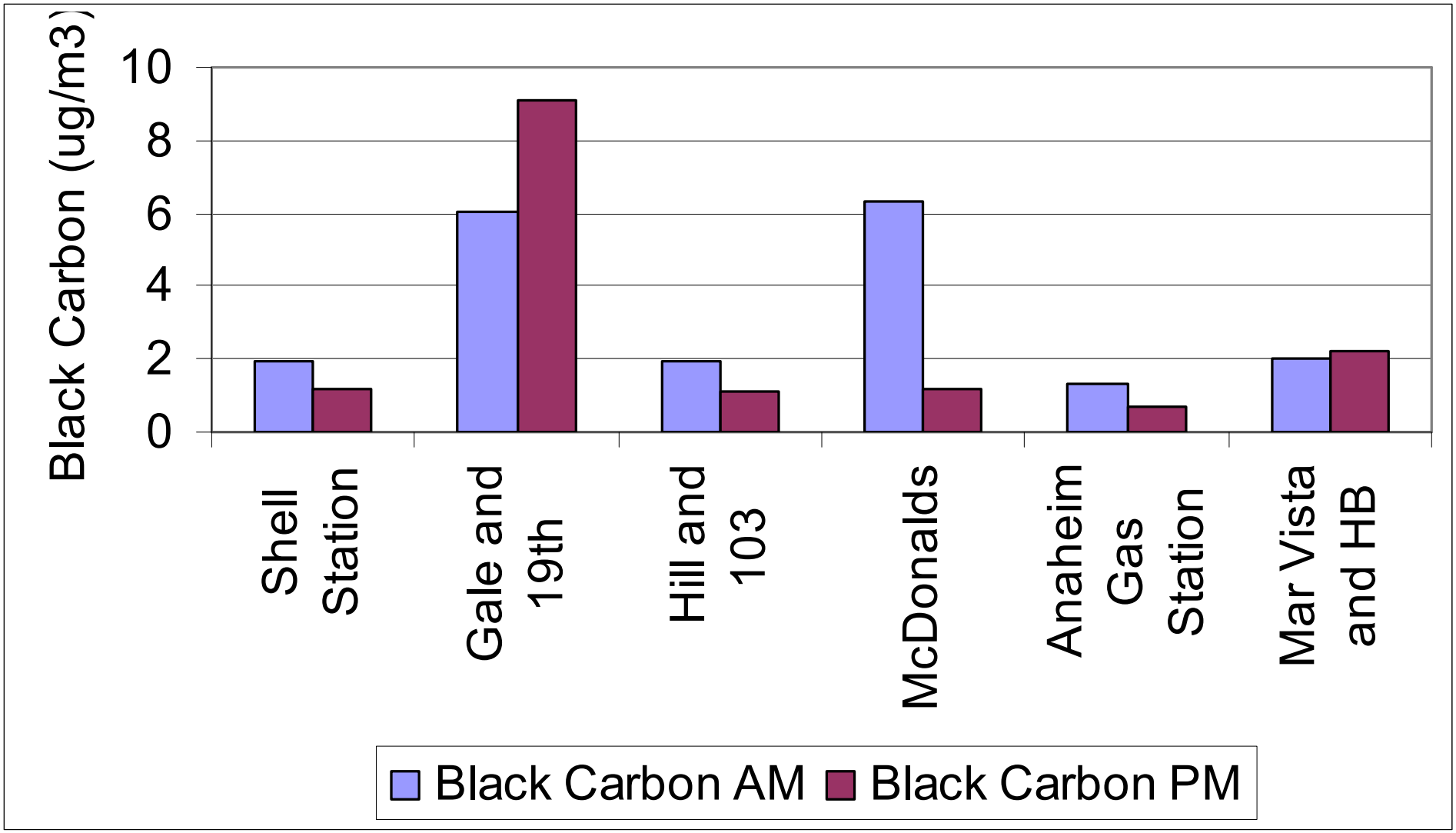
Effect of Road Type and Time of Day



DRAFT Winter Results
Effect of Location and Time of Day



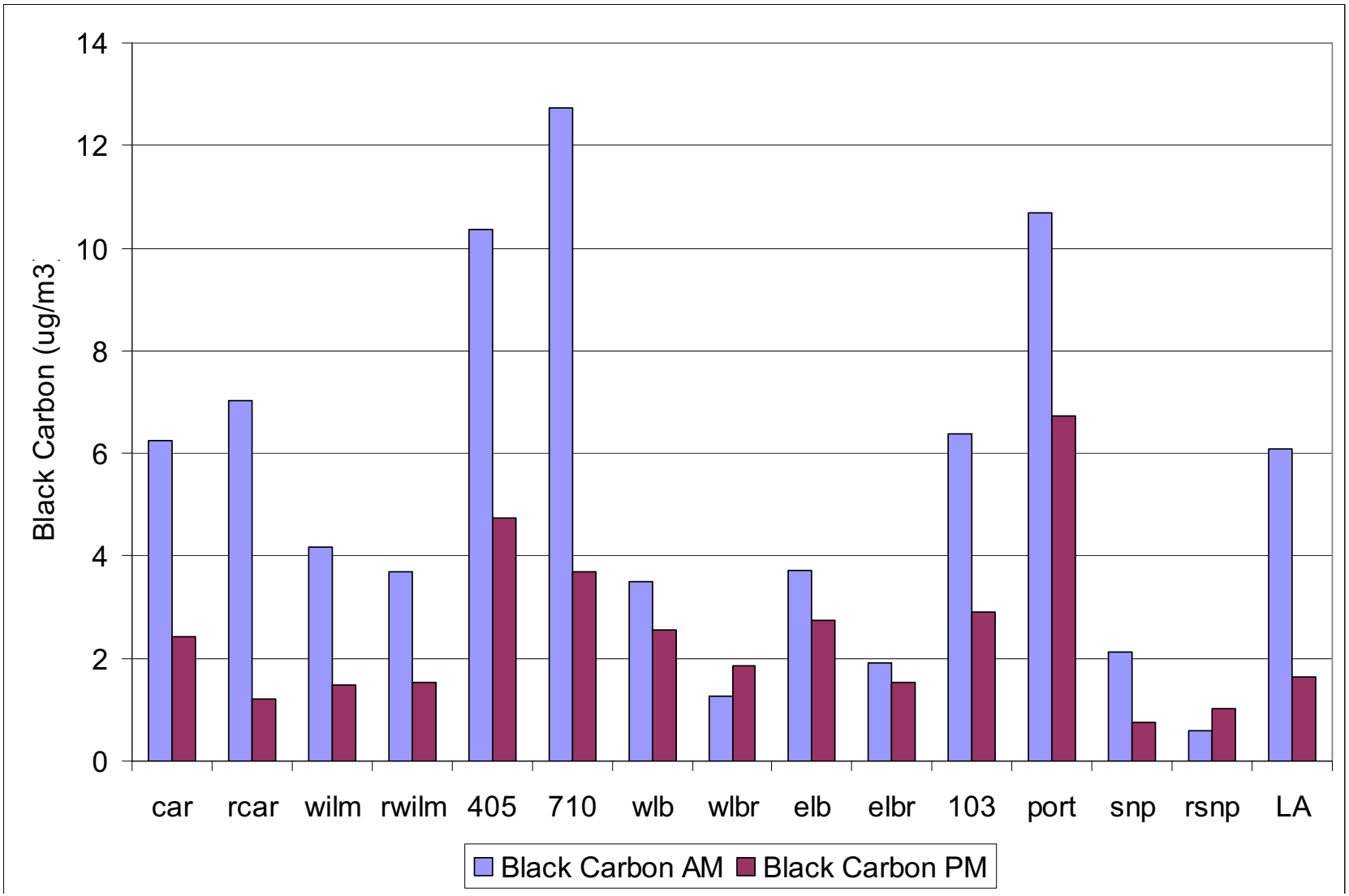
DRAFT Winter Results
Stationary Data



Summary

- Winter Study Results
  - Increased concentrations in the morning relative to the afternoon
  - Variability between neighborhoods
  - Importance of wind direction
- Important addition of Stationary Sites for near-road exposures
- Summer Study (July-August 2007)
  - Observations (lower AM concentrations, higher WS in PM, different WD), addition of LA loop

Acknowledgements

- Scott Fruin, USC
- ARB Staff
- Port of Los Angeles

DRAFT Winter Results
Effect of Location and Time of Day