

Ozone Stakeholder Committee

December 14, 2007

Institute for Environmental Solutions

IES is an independent non-profit [501(c)3] organization delivering proactive, technically sound solutions to complex environmental and natural resource problems – without unwanted side effects.

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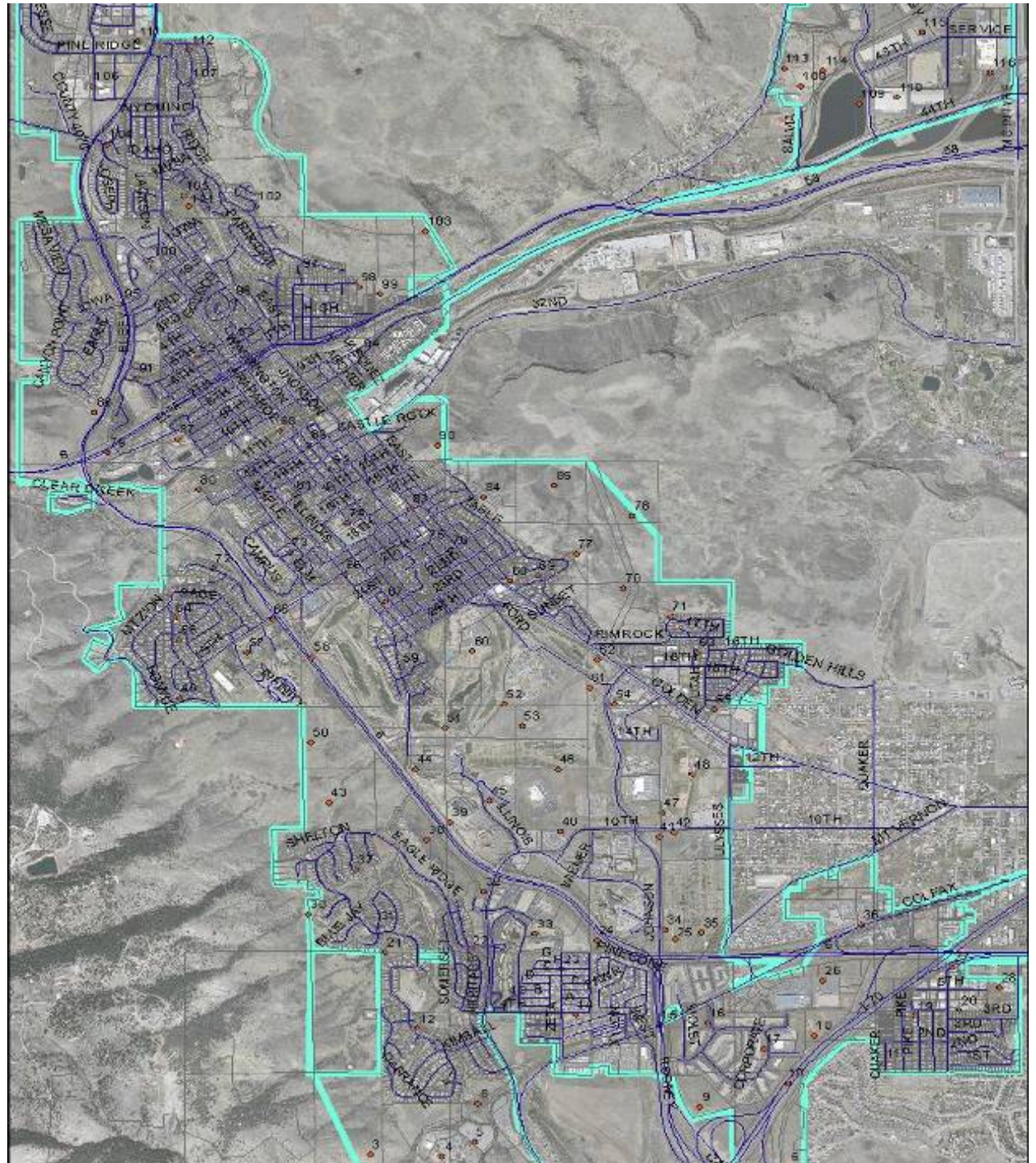
Desirée Thorp, Research Associate

Ryan Moore, Research Associate

Pilot City:

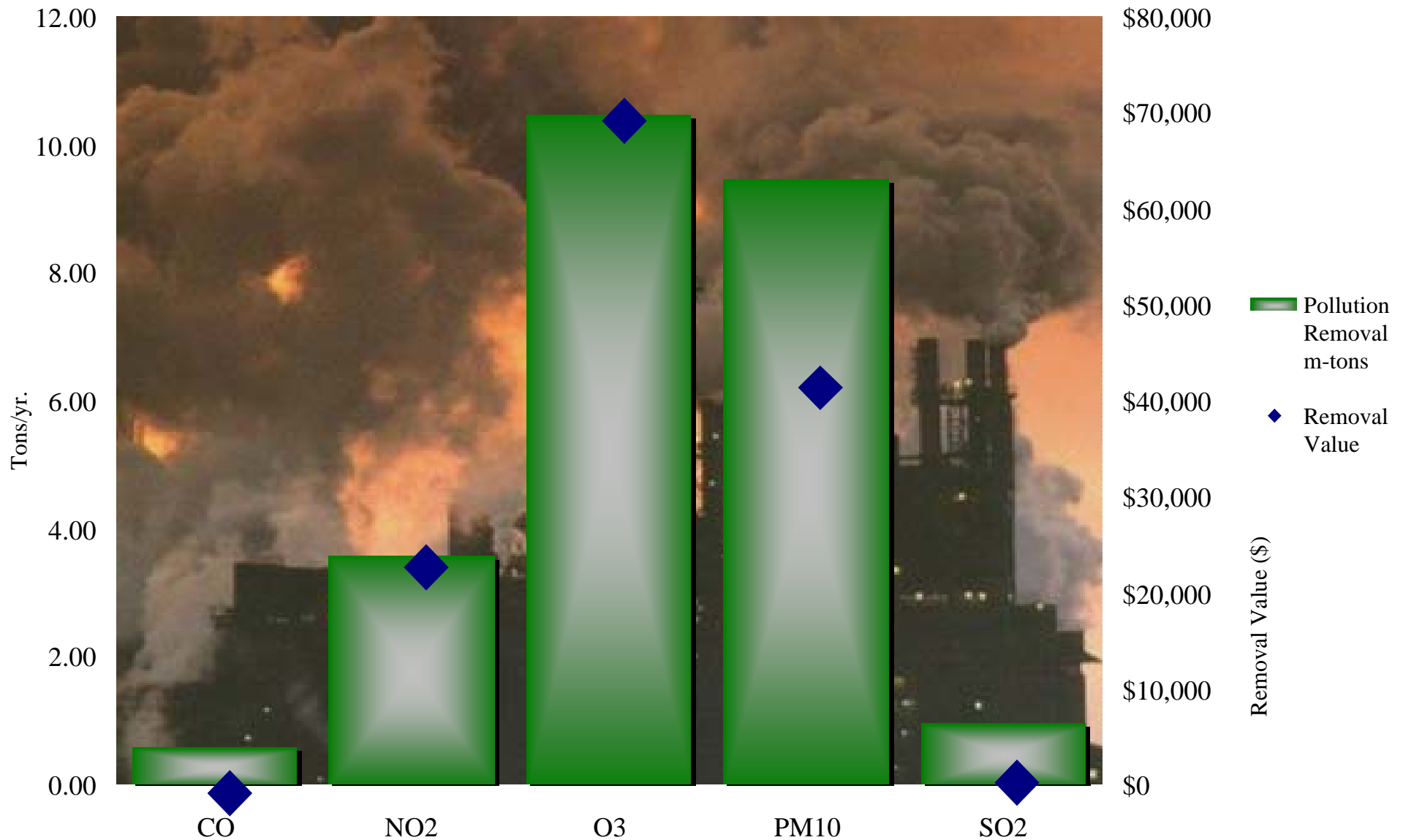
Golden, Colorado

- June 2007 field program
- Golden study area – outlying open space not included
- i-Tree- Sample Field Plot Generator Program
- 119 1/10 acre plots
- Randomly located within grid system



UFORE Results – Air Quality

Annual Pollution Removal by Golden's Urban Forest



Air Quality Results - Implications

- Golden's urban forest reduces large amounts of ground level ozone pollution particulate matter, and carbon monoxide.
- Increased planting with the proper species in areas near motor vehicle traffic or in parking lots can help reduce CO and PM10.
- Planting low VOC-emitting trees may help reduce ozone pollution.

