Monitor Layer for Google Earth (AKA "KML Files")*

AQS Users Conference 2008

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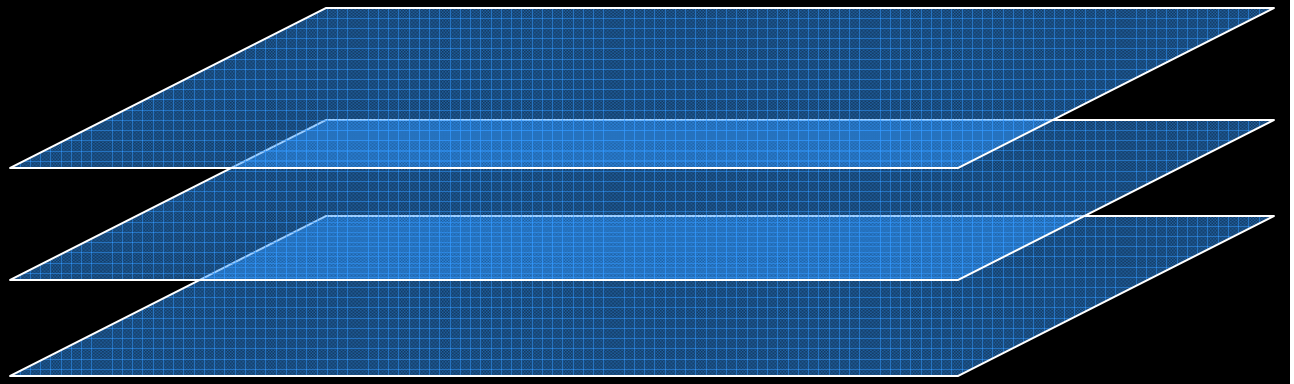
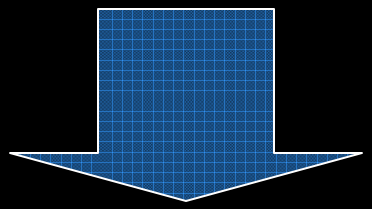
*Note: EPA does not endorse Google, Google Earth, computer usage in any form, sunlight, or any other activity or product.

How Mapping Software Works

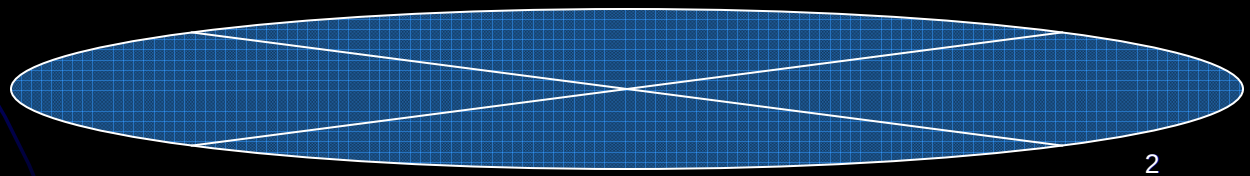
Layers of information
(roads, images, topo, AQ sites, etc.)



Processing / Functions
(display, format, directions via network analysis, HTML, etc.)



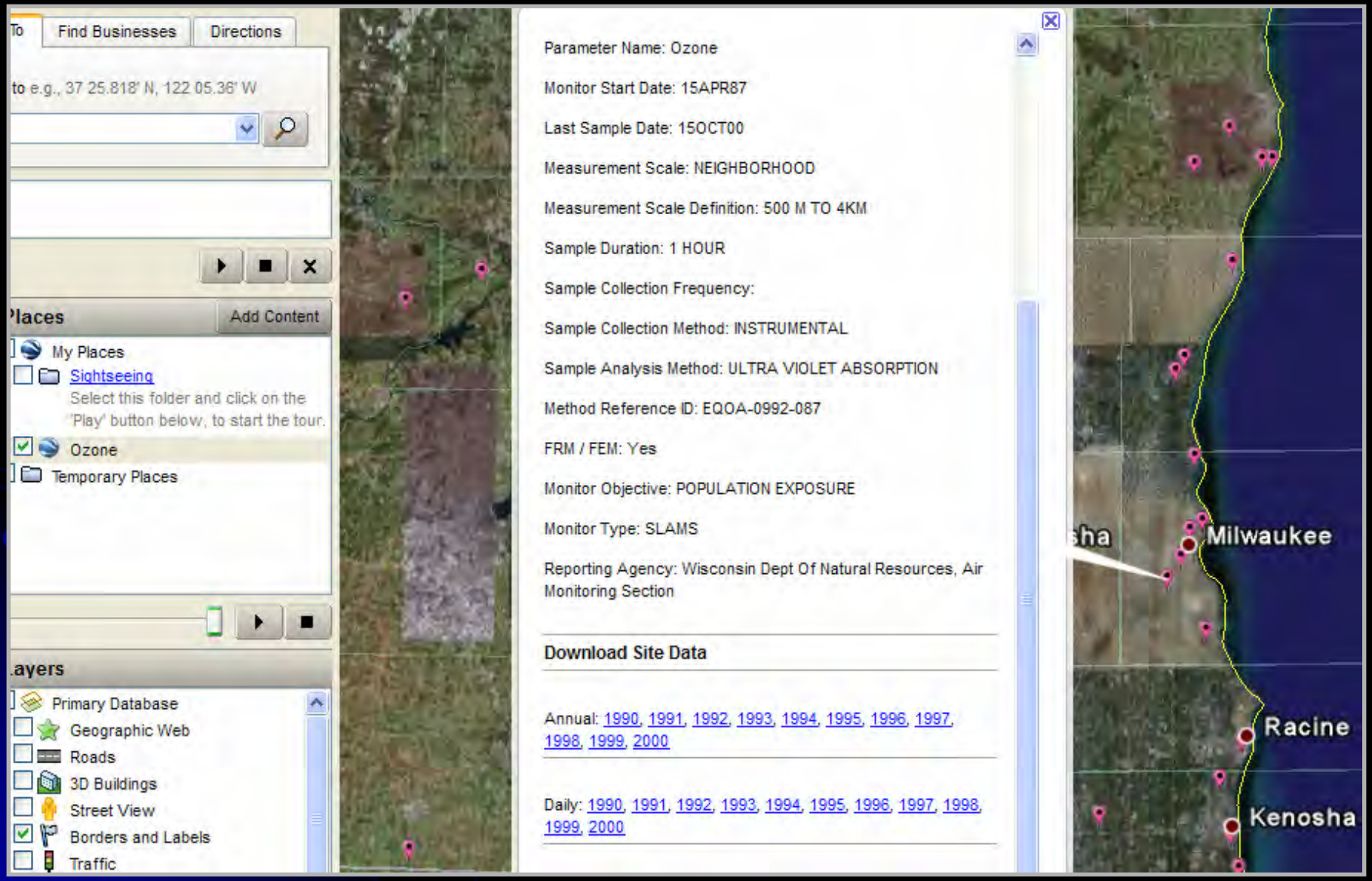
Base Map
(model of the earth)



Layers for AQ Sites

- Available at:
  http://www.epa.gov/airexplorer/monitor_kml.htm
- Site Locations for Key Networks
  - CSN (PM2.5), NATTS, IMPROVE, HAPS
  - Data fields: state name, county name, metropolitan area name, AQS site ID, local site name, address, lat/lon, datum, elevation
- Monitor Locations for Criteria pollutants
  - Ozone, PM2.5, PM10, CO, Lead, NO2, SO2
  - Data fields, above plus: parameter name, sampling frequency, monitor type, measurement scale, monitor objective, reporting organization, plus those listed below
- Years of Available Data
  - Link to download

Demonstration



Don’t Panic

- A monitor is shown in the middle of the road!!!!!!
- Lat / Lon, like any other measurement, has uncertainties
  - Method
  - Datum (Google Earth, Virtual Earth use WGS84)
- This does make your data more visible
  - But people have been getting and using it all along
- You’re certainly welcome to make any corrections you feel are necessary
  - Including updating the “Horizontal Accuracy”
  - AQS Memo 8/28/07 for Datum Conversion
  - Site terminated / monitor sampling period end date