Huron to Erie Drinking Water Protection Network

3 million people served

The Concern

• Over 700 spills since 1986. Most were not reported.
  – Aug. 2003: 295 lbs of vinyl chloride
  – Feb. 2004: 42,000 gallons of methyl ethyl ketone
Monitoring Locations

Port Huron
Marysville
St. Clair
East China
New Baltimore
Ira Twp.
Mtn. Clemens
Algonac
Grosse Point Farms
Detroit-WW Park II
Southwest Detroit
Wyandotte
Detroit
Monitoring Equipment

- Turner Designs Fluorometer
- HACH TOC Analyzer
- YSI Multiparameter sonde
Gas Chromatograph Mass Spectrometer

Volatile organic compounds
July 15, 2011 Incident

July 15, 2011 Water Quality Data at Port Huron Intake

- pH
- Turbidity (NTU)
- Dissolved Oxygen (mg/L)
- Specific Conductivity (uS/cm)
- Oxidation Reduction Potential (mV)

Graph showing the changes in water quality parameters from 4:48 AM to 4:48 AM on July 15, 2011.