



**Community Advisory Group Meeting
Floodplains Investigation Update
March 22, 2012**

Hudson River
PCBs SUPERFUND SITE

Floodplains Investigation



- Evaluate the extent of PCBs
 - Fort Edward to Troy (40 miles)
 - To 100 year flood limit
- Comprehensive Evaluation
 - To be included in Remedial Investigation/ Feasibility Study
- Interim Response Actions (>10 ppm)
 - Residential and recreational use areas
 - Covers and signs



Floodplains Investigation Summary



- **2000-2006:** ~ 1,500 samples/NOAA, GE, and EPA
- **2008:** > 2,200 samples/280 properties/EPA and GE
- **2009:** > 900 samples/100 properties/EPA and GE
- **2010:** 230 samples/31 properties/GE
- **2011:** 1,745 samples/197 properties/GE
- Some follow-up needed from 2011
 - 20 properties

2008 – 2011 Sampling Results



Data Summary

> 6,000 samples/>600 properties

- 81% <1 ppm (or non-detect)
- 14% ranged from 1-10 ppm
- 5% samples >10 ppm
- 99% samples <1 ppm in agricultural land
- Highest PCB concentrations in low-lying areas (flooded more frequently)
- PCB concentrations decrease away from the river



Completed Interim Response Actions



Conducted in human use areas
PCB concentrations (>10 ppm)

Year	Temporary Caps	Signage
2007	10	9
2009	9	7
2010	10	7
2011	7	1
Total	36	24



WARNING
SOILS IN THIS AREA ARE
CONTAMINATED WITH PCBs
(POLYCHLORINATED BIPHENYLS)
AVOID CONTACTING AND/OR
DISTURBING SOILS

FOR FURTHER INFORMATION
PLEASE CONTACT THE USEPA
FIELD OFFICE AT (518) 747-4389 OR
LOG ONTO THE USEPA HUDSON
RIVER PCBs WEBSITE AT
<http://www.epa.gov/udson>





Sampling



Define Area + Place Fabric



Place Min. 6 in. Topsoil



Plant Grass Seed or Sod

Next Steps



- More sampling expected in 2012
 - Properties remaining from 2011
 - Data gaps
 - Backwater areas
- Ongoing consideration of Use Areas
 - Follow up on properties
 - > 10ppm
 - Monitor for use changes
- Remedial Investigation / Feasibility Study Work Plan
 - Draft being developed (2012)
 - Includes human health and ecological risk evaluations
 - Additional sampling



Flood Mud Sampling (Sediment Deposition)



- Past sampling by NYSDEC and EPA
- Spring and fall flood mud sampling if flow >12,000 cfs
- Sampling locations pre-selected based on past experience
 - Typical 10 to 20 samples
 - Spring 2011 flood (190 samples) EPA/GE
- Sediment scrapes and devices sampling
- Data generally 1 ppm or less, a few higher levels (1 to 5 ppm)





Questions