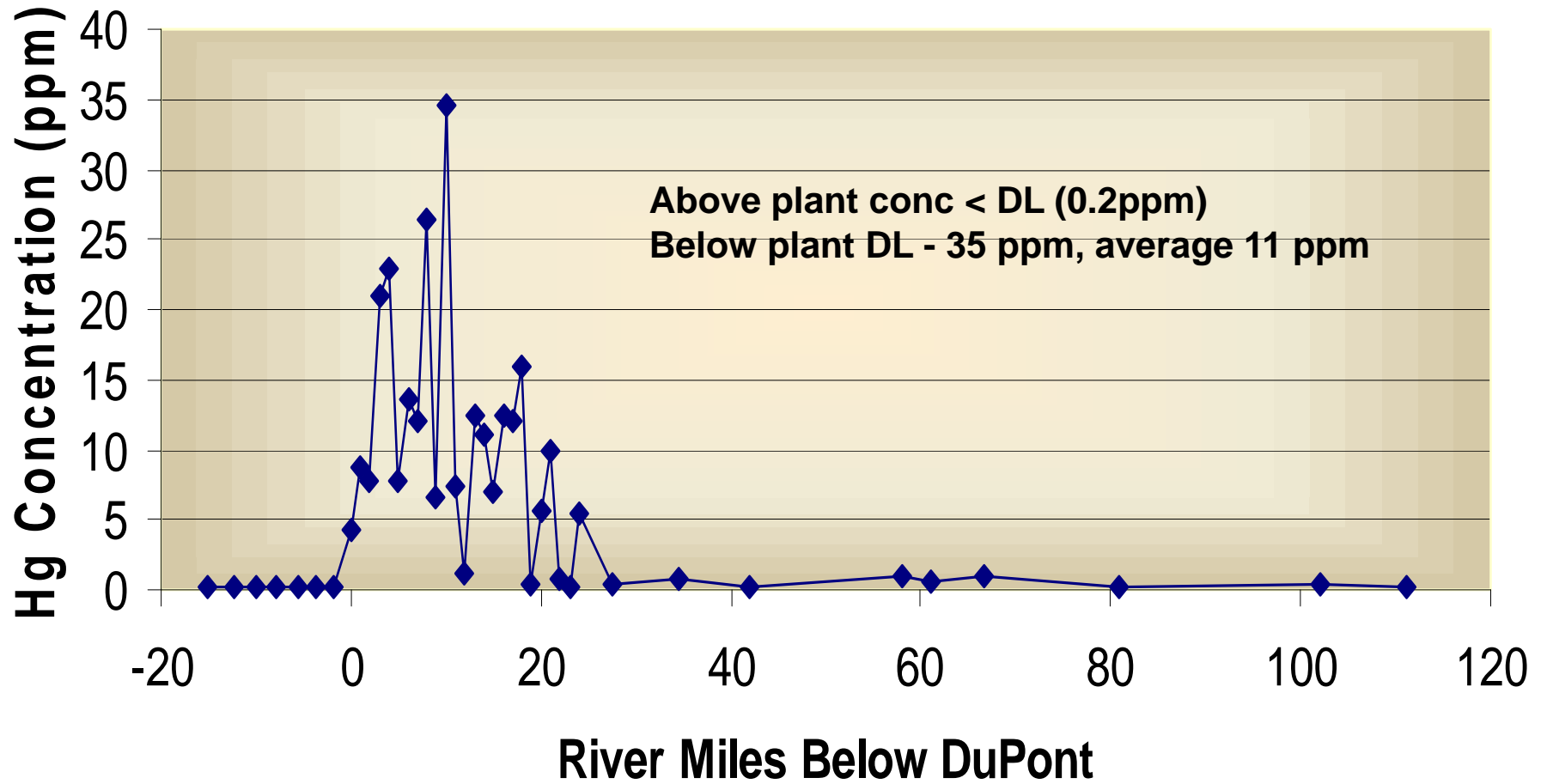


Update on Floodplain Sampling

February 25, 2003

Hg Concentration in Floodplain Soils Summer 1980



Floodplain Sampling Update

◆ Objectives

- Gather data to test hypothesis: *Mercury in floodplain soils is not available for uptake by crops in sufficient levels to be a health risk.*
- Gather data to determine role of floodplain soils as a potential “source”

◆ Strategy

- Leverage both but focus on “crop study” this spring
- Sampling for “source” objective will be optimized based on the results of other sampling currently planned, e.g., sediment, storm/tributary study.

Approach

- ◆ Gather data to test hypothesis: *Mercury in floodplain soils is not available for uptake by crops in sufficient levels to be a health risk.*
 - *Information for greenhouse and field studies*
 - *Survey of relevant surrounding areas*

Information for greenhouse and field studies

- ◆ Information to be obtained at Forestry Station
 - Potential areas on site identified
 - Parameters addressed under Greenhouse/Field studies

Survey of relevant surrounding areas

- ◆ Preliminary verification of 1980 results
- ◆ Relevance to levels of concern
- ◆ Comparison with greenhouse and field study soils
 - Surface to 50 cm
 - Hg and physical/chemical parameters
 - Approximately 5 points that can be used as surrogates for garden or crop plots
 - Timing: Spring