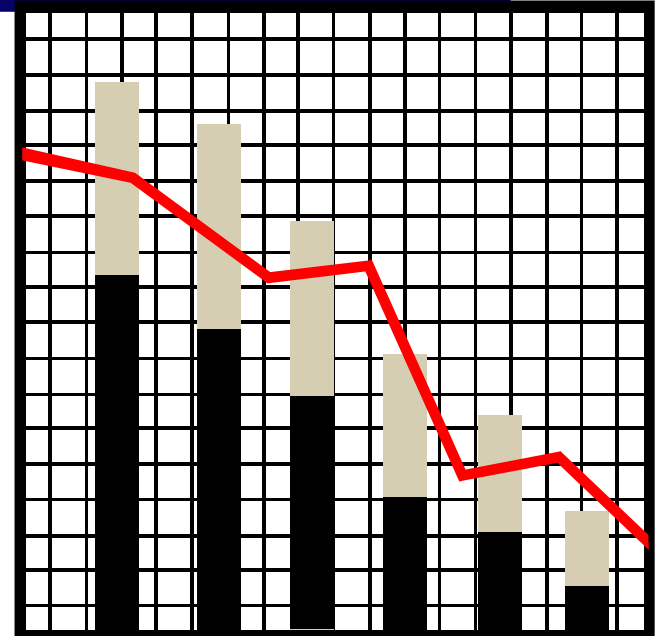




Coeur d'Alene, Idaho
31 March – 4 April, 2003

Section 4d: Biological Response Indicators of Riverine Ecosystem Quality

Presented by
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Index Period...

*When to
sample?*



When to sample?

Selection of Index Period

- Index Period
 - To reduce variability, sample all sites in the same relative time period
 - Maximize gear efficiency
 - Maximize information gained
 - Depends on life history, meteorology, hydrology, etc.
 - Fits into logistical sequence of collection, processing, and write-up

Ref: U.S. EPA 1999



When?

- What time is good?
 - Fall and Winter?
 - Late Summer to Winter?
- Low and stable-flow index period
 - Mid-June to early October
- Widely accepted
 - Increases likelihood samples can be collected under similar flow conditions
- Probably safer



Core Assemblages Sampled...

- Algae
- Benthic Macroinvertebrates
- Fish
- Other Assemblages
 - Zooplankton
 - Macrophytes
 - Bivalves

