



# LEARNING MATERIALS FOR AQUATIC MONITORING

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### THE MATERIALS

#### THE NEED

**MATERIALS TO LEARN ABOUT STATISTICAL AND RELATED ASPECTS OF AQUATIC MONITORING**

- ▶ Tribal needs assessment was done

#### OBJECTIVES

- ▶ Familiar environment
- ▶ Not dependent on web accessibility
  - Avoid access delays at remote sites
  - Usable in the field during training
- ▶ Suitable for independent learning

#### INTERFACE

- ▶ Browser Based
- ▶ Intended to Support Diversity of
  - Perspective (type of responsibility)
  - Geographic Context (pictures change)
  - Flexibility for language changes
- ▶ Built in Dictionary
  - Brief – on “Mouse Over”
  - Extensive – on “Double Click”
- ▶ Content Printable
  - In parts, for studying away from computer
- ▶ Expandable & modifiable

#### CONTENT

- ▶ Why Monitor
- ▶ Where to Monitor = Site Selection
- ▶ What to Monitor = What/How to Measure
- ▶ How to Monitor = Field Evaluation
- ▶ How to Summarize
  - = Data Analysis and Summary
- ▶ Case Studies = Detailed Examples from
  - Planning to
  - Site Selection to
  - Analyses



### COMMUNICATE WITH POTENTIAL USERS

PUBLICATION IS AVAILABLE ON THE TABLE

<http://www.epa.gov/opptintr/tribal/pubs/tribalpilott2a.pdf> - as pages 11 & 12

### CURRENT STATUS - WORK CONTINUES

#### EVALUATION TEST

- ▶ What was tested?
  - The interface
  - First two units of content
- ▶ Evaluators – from the intended audience
  - State agencies in Oregon and Washington
  - EPA Region 10
  - NGO – San Francisco Estuary Institute
- ▶ Evaluation conducted August 13, 2003 at Oregon State University
- ▶ Some participants wrote pages of very thoughtful and useful suggestions

#### FINDINGS

- ▶ Viable and relevant form for
  - Delivering information about water quality monitoring
  - To the States and Tribes
- ▶ Lots of room for development
  - <http://www.stat.colostate.edu/starmap/scarzella.report.pdf>

#### FUTURE WORK

- ▶ Incorporate all intended features
- ▶ Develop the final product
- ▶ Incorporate Case Studies
  - Seek more – from various sources
  - Do you have any potential ones?
- ▶ Iron out ‘bugs’

## TAKE A TEST DRIVE! THE PROTOTYPE IS ON THE LAPTOP

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