THE FOUR WINDS

Aimée Benedict-Debo
Information Systems Program Manager
St. Regis Mohawk Tribe

We are all thankful to the powers we know as the Four Winds.

We hear their voices in the moving air as they refresh us and purify the air we breathe.

They help us to bring the change of seasons.

From the four directions they come, bringing us messages and giving us strength.

With one mind, we send our greetings and thanks to the Four Winds.

Now our minds are one.

Introduction - Tkatahsáwha

- SRMT Environment Division's Mission

- Ambient Air Quality Collection Program
- Ambient Air Quality Data
- AQS Conversion Tool
- The Exchange Network

- Environmental Results

The Mission

The efforts of the Environment Division are directed toward preventing disease and injury, while at the same time, promoting lifestyles that respect, protect and enhance the environment for the next seven generations at Akwesasne.

Air Quality Collection

- Why are we collecting data?

- How we use the data
  - Industrial Pollution
  - Parameters

Issues

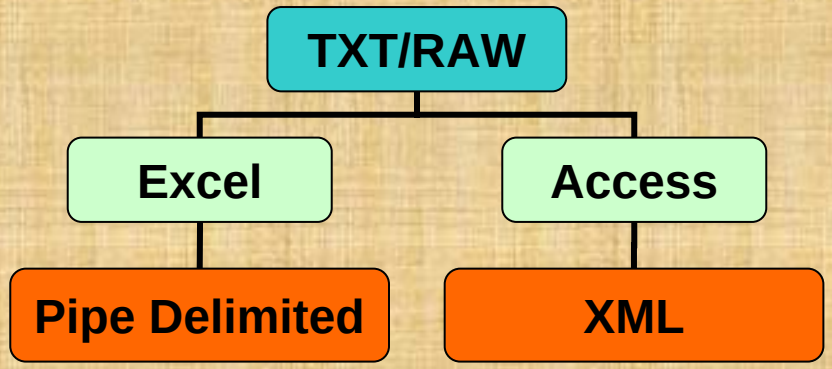
- Sovereignty
  - State Codes vs Tribal Codes
- Quality Assurance Project Plans
  - Approval process
- Mapping
  - Time & Personnel
  - Format

Air Quality Data

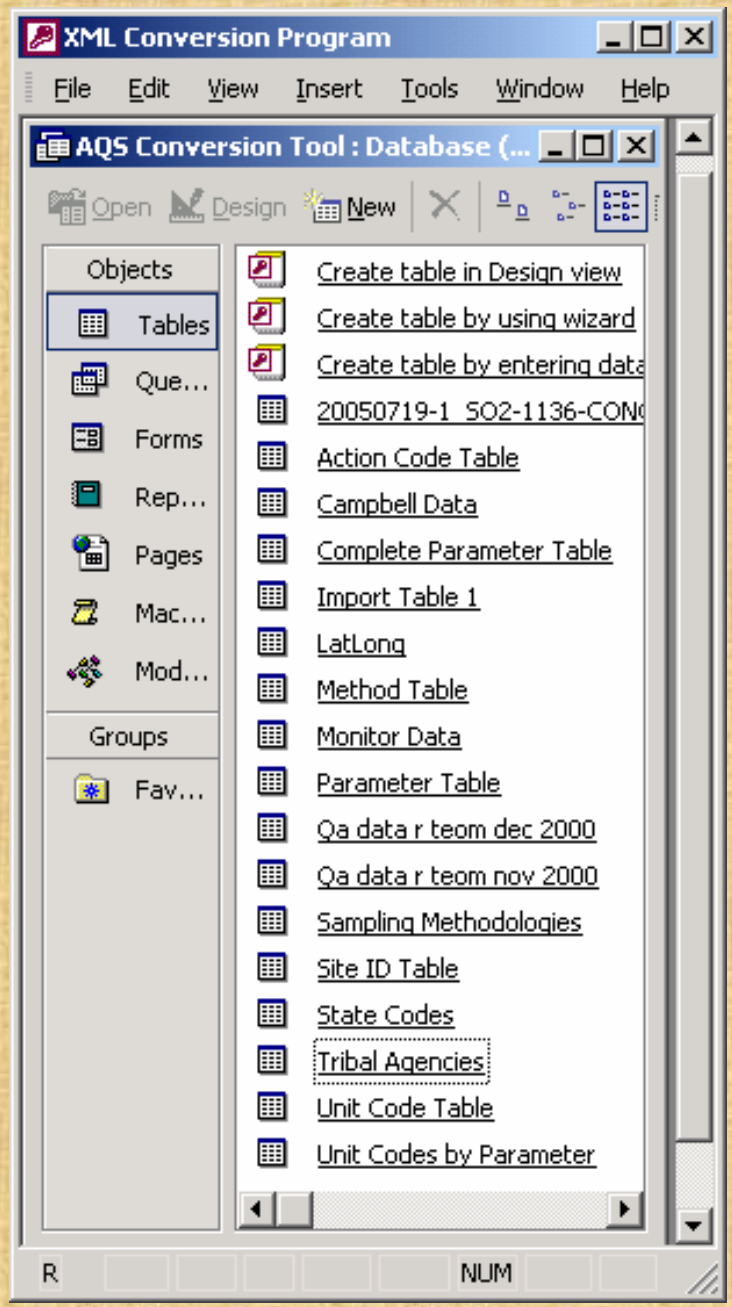
- Flows
  - TEOM
    - PM 2.5 / 10
  - API
    - NO_x, O_3, SO_2
- ESC 8832 Datalogger
- METONE

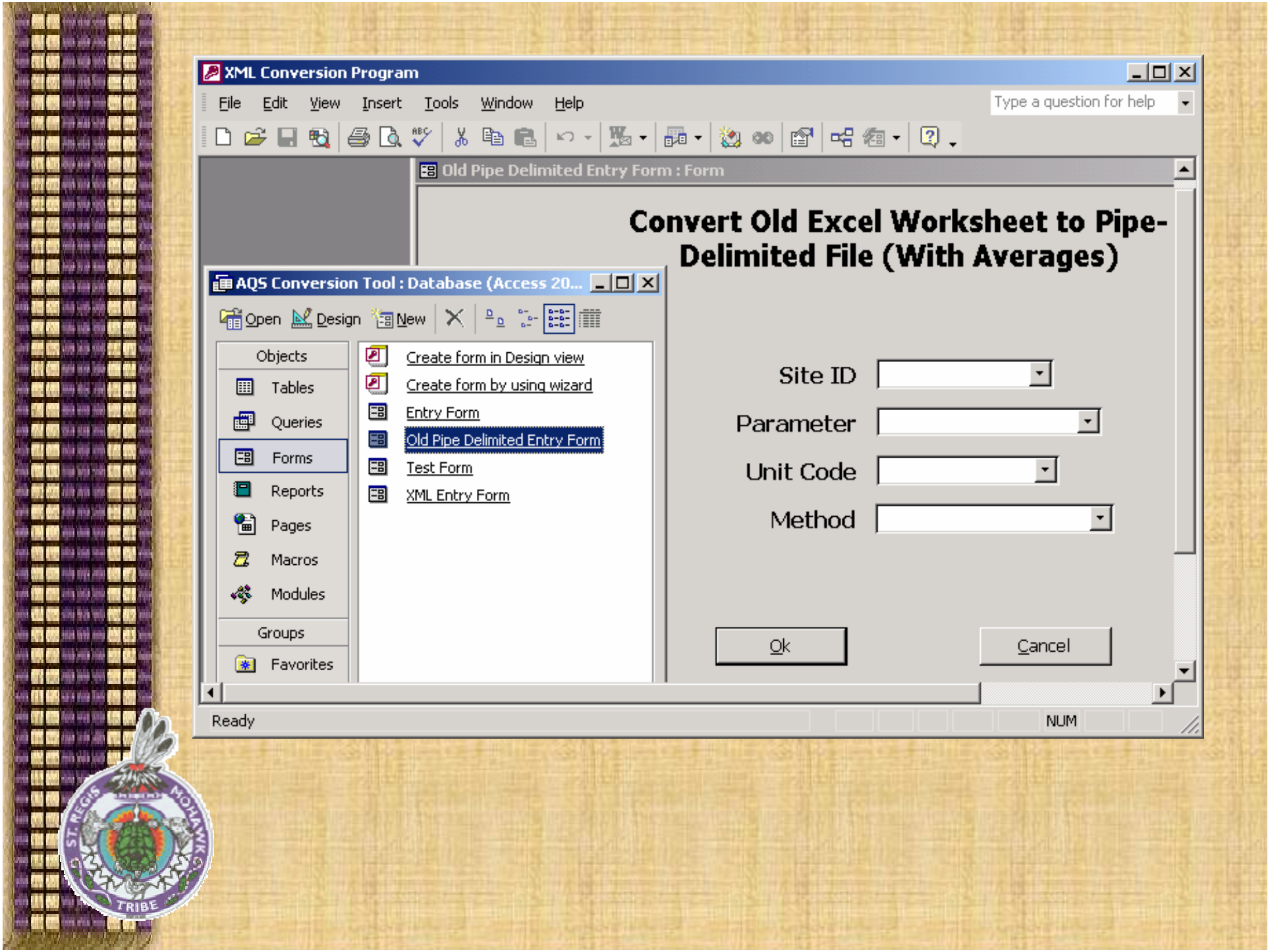
AQS Conversion Tool

- XML Schema v1
- Instruments:
  - ESC w/ EDAS Software, Campbell, Zeno, TEOM



- Availability
  - MS-Access
- Processing Time
  - Hours to minutes
- Upgrades & Edits
  - Completed in-house




XML Conversion Program
File Edit View Insert Tools Window Help
Type a question for help
Old Pipe Delimited Entry Form : Form
Convert Old Excel Worksheet to Pipe-Delimited File (With Averages)
AQS Conversion Tool : Database (Access 20...
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Queries
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Macros
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Entry Form
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Test Form
XML Entry Form
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Method
Ok
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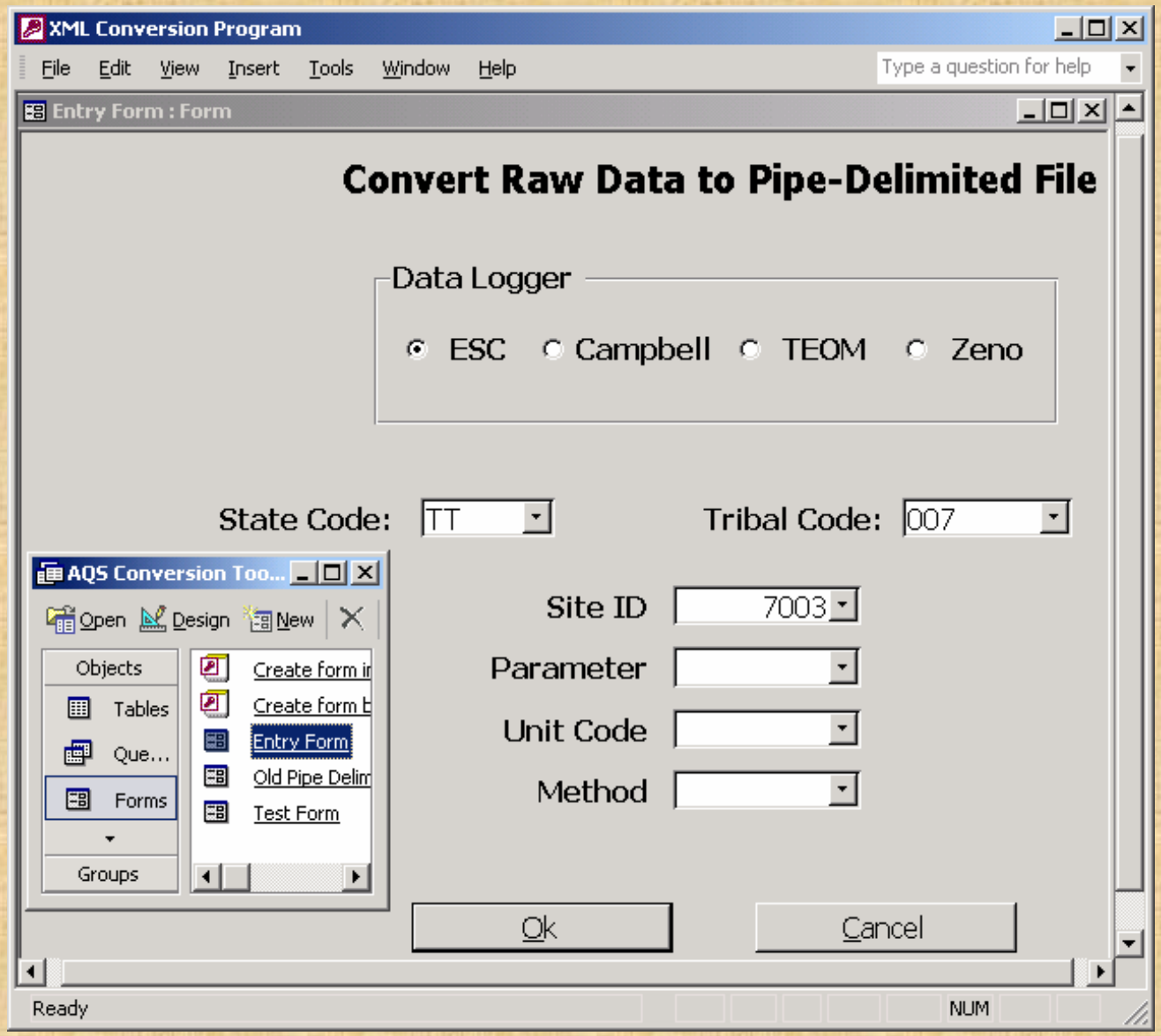
XML Conversion Program
File Edit View Insert Tools Window Help
Type a question for help
Entry Form : Form
Convert Raw Data to Pipe-Delimited File
Data Logger
ESC Campbell TEOM Zeno
State Code: TT
Tribal Code: 007
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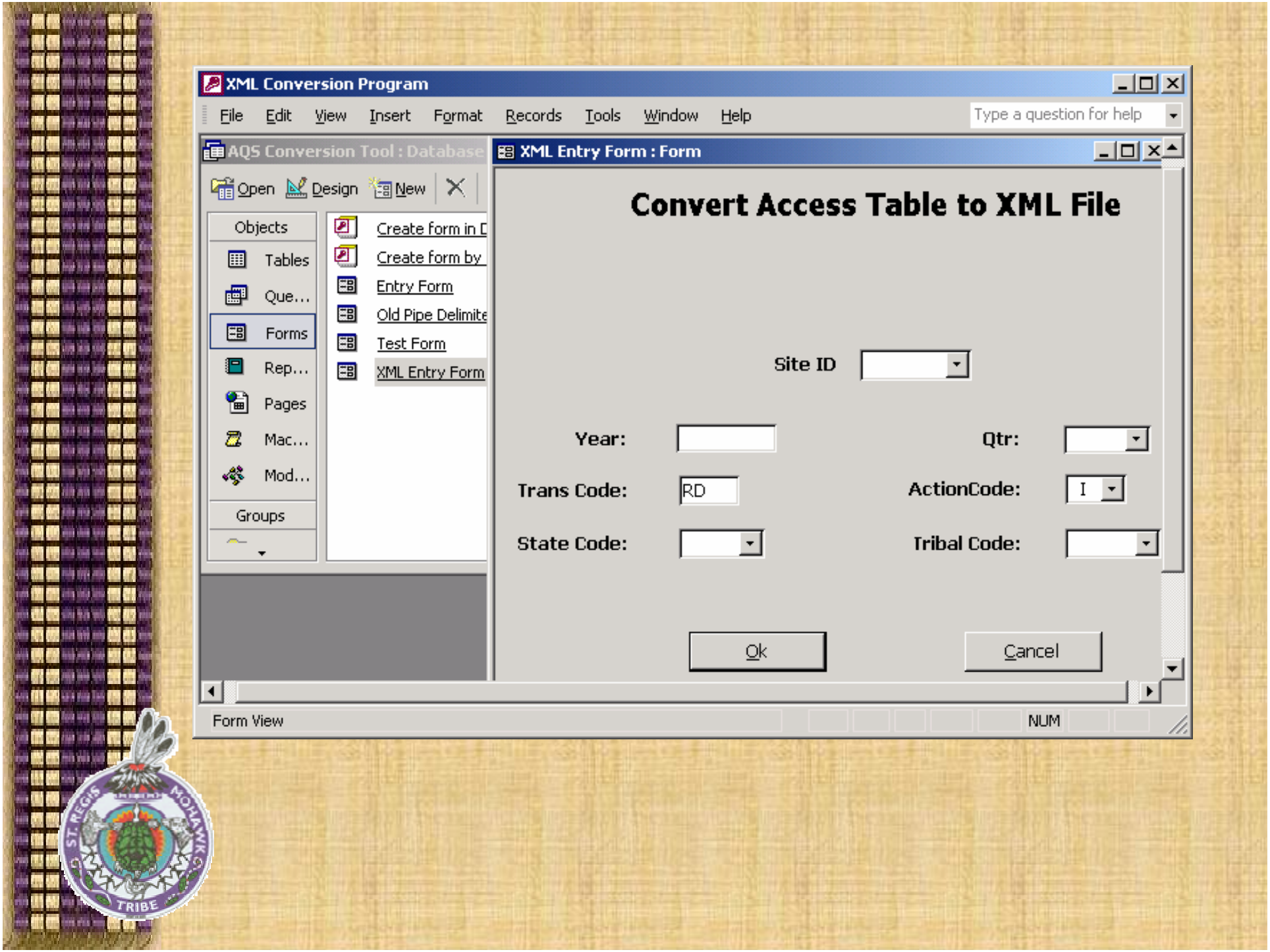
XML Conversion Program
File Edit View Insert Format Records Tools Window Help
Type a question for help
AQS Conversion Tool : Database
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Tribal Code:
Ok
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Form View
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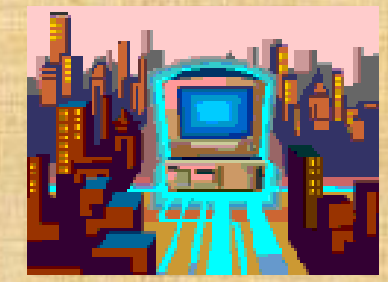
More Info...?

- Tool and SOP available at:
  - www.srmtenv.org
  - www.exchangenetwork.net
- Assistance provided at no charge to Tribes, contact tom_lake@srmtenv.org for custom programming of the mapping macro and conversion tool.

Environmental Results

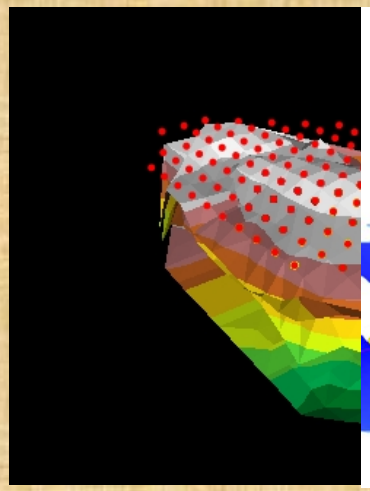


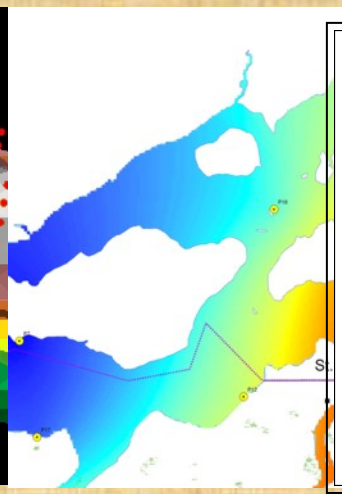
AQS Data Exchange, Systems and Services

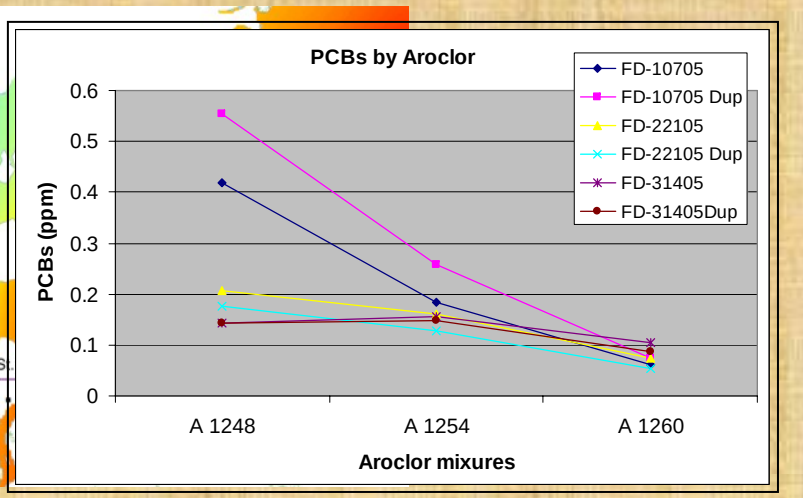
- Exchange of data via AQS Conversion Tool and Client Node
- Need for Storage and use of hosted EPA Data Services (AQS)

For the next 7 Generations...

- Consuming outbound EPA services
  - XML
    - GIS
    - Spreadsheets
    - Statistical Applications
- Sharing tools, processes and procedures







Nia:wen

Thank you!

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Information Systems Program Manager
Environment Division
St. Regis Mohawk Tribe

aimee_benedict@srmtenv.org

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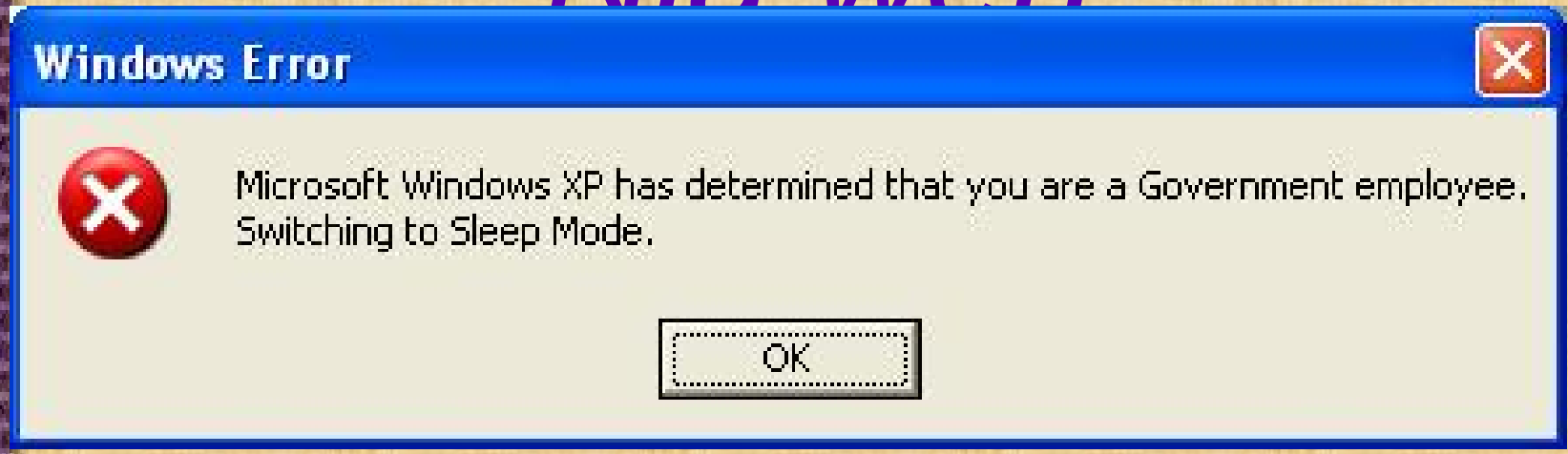

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