

Coast to Coast Cooperative Solutions: Create Once, Use Many

The USET Experience



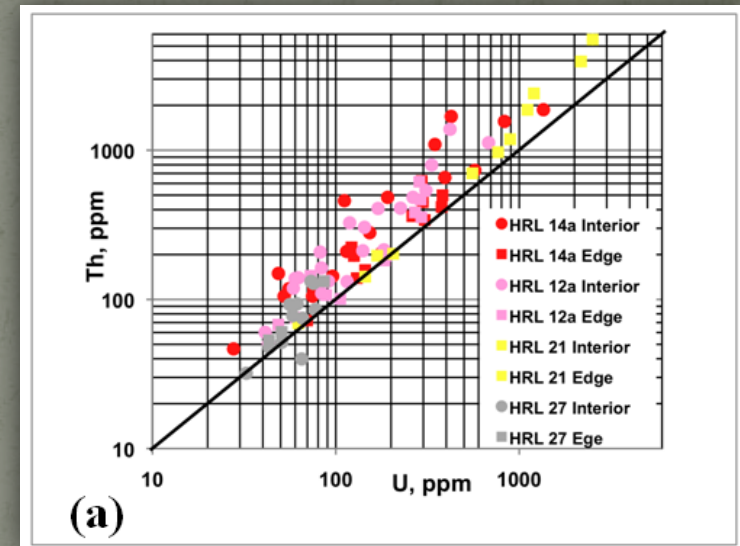
United South and Eastern Tribes: USET

- Consortium of 26 Tribes in the south and eastern U.S.
- Environmental Liaison Office
 - Environmental, natural resources, energy and emergency aid programs



USET: Data Exchange Needs

- 26 Tribes = 26 Different ways of managing data
 - Excel, Access, other database systems
- Desired an option that unifies data management
- Received 2010 Exchange Network grant to move forward with NWIFC and Windsor Solutions



Partnering with the NWIFC




- Northwest Indian Fisheries Commission
 - Consortium of 20 Tribes
- Previously worked with Windsor Solutions
- Developed
 - Tribal Water Quality Database (TWQD)
 - Water Quality Exchange (WQX) Super Node infrastructure
- Signed a sharing agreement stating that all enhancements and material created would be traded freely back and forth between organizations and Tribes

Enhancements to TWQD

- Rebranding
- Miner adjustments to Front End appearance
- Security implementation

Please Login



USET

Leave fields blank to use Windows Authentication and Sql Server Express

User name

Password

Server

OK Cancel

Enhancements to WQX: Search Capabilities

USET WQX Exchange Network Client



Review Data

[Home](#) [Help](#) [Exit](#)

This form allows a user to view and explore WQX data which was provided from Exchange Network partners, that is managed within TWQD, or that will be provided to Exchange Network Partners via the WQX Client.

Results

Activities started between and

Reload

Drag a column header here to group by that column

Organization	Project	Location	Media	Start Date	Characteristic	Result	Unit
United South and Eastern Tribes,	USET Test Project	<input checked="" type="checkbox"/> Test 1283	Water	2010-11-16	Candida albicans	0.369	#/100ml
United South and Eastern Tribes,	USET Test Project	<input type="checkbox"/> Test 1284	Water	2010-11-16	Flavobacterium	63	#/500 ml
United South and Eastern Tribes,	USET Test Project	<input type="checkbox"/> Training Data 1	Water	2010-11-16	pH	6	None
United South and Eastern Tribes,	Training Data 1b	<input type="checkbox"/> Training Data 1b	Water	2009-10-08	Dissolved oxygen (DO)	10.45	mg/l
United South and Eastern Tribes,	Training Data 1b	<input type="checkbox"/> USET Test Project	Water	2009-10-08	pH	6.05	None
United South and Eastern Tribes,	Training Data 1b	<input type="checkbox"/> Webinar 200	Water	2009-10-08	Temperature, water	11.3	deg C
United South and Eastern Tribes,	Training Data 1b		Water	2009-10-08	Nitrogen		
United South and Eastern Tribes,	Training Data 1b	Test Lake 2b	Water	2009-10-08	Escherichia coli	6.2	#/100ml
United South and Eastern Tribes,	Training Data 1b	Test Lake 2b	Water	2009-10-08	Turbidity	0.646	NTU
United South and Eastern Tribes,	Training Data 1b	Test Creek 1b	Water	2009-12-10	Temperature, water	7.9	deg C
United South and Eastern Tribes,	Training Data 1b	Test Creek 1b	Water	2009-12-10	Dissolved oxygen (DO)	11.60	mg/l
United South and Eastern Tribes,	Training Data 1b	Test Creek 1b	Water	2009-12-10	pH	6.56	None
United South and Eastern Tribes,	Training Data 1b	Test Creek 1b	Water	2009-12-10	Escherichia coli	15.7	#/100ml
United South and Eastern Tribes,	Training Data 1	Test Creek 1	Water	2009-10-08	pH	6.05	None
United South and Eastern Tribes,	Training Data 1	Test Creek 1	Water	2009-10-08	Dissolved oxygen (DO)	10.45	mg/l

25 Results, 17 Activities, 7 Projects, 12 Locations, 1 Organization

Edit Filter

Search Capabilities in WQX

USET WQX Exchange Network Client



Review Data



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Results

Activities started between and



Project ^



Organization	Location	Media ^	Start Date	Characteristic	Result	Unit
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Project: Another Test

1 Result, 1 Activity, 1 Project, 1 Location, 1 Organization

Project: Test 1283

1 Result, 1 Activity, 1 Project, 1 Location, 1 Organization

Project: Test 1284

United South and Eastern Tribes,	Test Location 1284	Water	2010-11-02			
United South and Eastern Tribes,	Test location 1284_5	Water	2010-11-02			
United South and Eastern Tribes,	The Big Lake	Water	2010-11-16	Phenanthrene		
United South and Eastern Tribes,	Testing Location 1284_3	Water	2010-11-02	Escherichia coli	0.2	#/l
United South and Eastern Tribes,	Test Locaction 1284 2	Water	2010-11-02			
United South and Eastern Tribes,	Test Locaction 1284 2	Water	2010-11-02			

2 Results, 6 Activities, 1 Project, 5 Locations, 1 Organization

Project: Training Data 1

6 Results, 2 Activities, 1 Project, 1 Location, 1 Organization

25 Results, 17 Activities, 7 Projects, 12 Locations, 1 Organization



Edit Filter

Spatial Viewer

- [Link](#)
 - <http://node.usetinc.net/wqxViewer/>
- Partnered with Seldovia
 - Combined funds to get more out of the project

Benefits of TWQD/WQX

- Free to Tribes database to manage and store data
- Increased control on Tribal data management and sharing
- Spatial viewer use
- Provides Tribes with an option outside of WQXWeb
- TWQD Front End provides increased business rule checks to ensure proper data recording

Current and Future Goals

- Currently have 1 fully functional Node client submitting data
- Working with 3 additional Tribes
- Continue partnership with NWIFC to further improve the software programs
 - Update TWQD Front End
 - Increase data entering speed
 - Better file search capabilities in TWQD

Create Once, Use Many

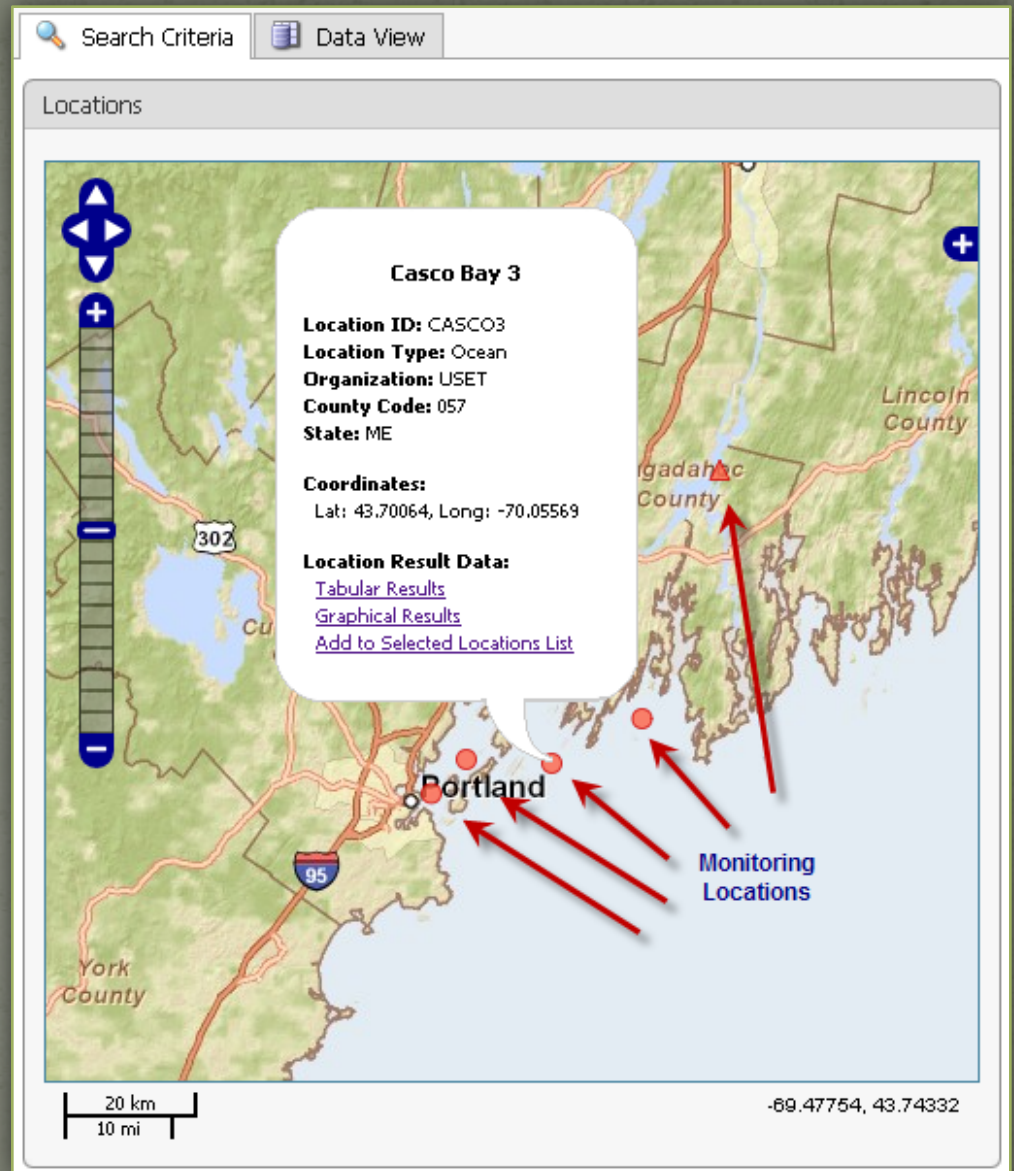
Questions?

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WQX Spatial Viewer

- Uses latitude and longitudinal data
- Maps location of monitoring location
- Easily access, search, and sort data from one or more locations





WQX Spatial Viewer - United South & Eastern Tribes, Inc.

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Appearance:

Locations



Search Criteria

Organizations:

Projects:

Locations:

Activities started between: and

Results Criteria (Match Any)

No Results Criteria Specified - [Add](#)

Organize and Search Data



Search Results (1 Organization, 3 Projects, 6 Locations, 6,347 Activities, 20,590 Results)

| |

Characteristic

Organization	Project	Location	Media	Start Date	Value	Unit	Logger
Characteristic:							
USET		Lower Androscoggin					<input type="checkbox"/>
USET		Upper Androscoggin					<input type="checkbox"/>
Characteristic: % undercut bank							
USET	Fish Creek Monitoring		Habitat	6/10/2009	90	%	<input type="checkbox"/>
USET	Fish Creek Monitoring		Habitat	7/23/2009	90	%	<input type="checkbox"/>
USET	Fish Creek Monitoring		Habitat	8/14/2009	90	%	<input type="checkbox"/>
USET	Fish Creek Monitoring		Habitat	9/8/2009	90	%	<input type="checkbox"/>
Characteristic: Active channel height (Continued on the next page)							
USET	Fish Creek Monitoring		Habitat	6/10/2009	1.00	m	<input type="checkbox"/>

Page 1 of 2065 (20644 items) **1** 2 3 4 5 6 7 ... 2063 2064 2065

Records per page: 10

Easily Plot Data



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Appearance:

Locations:

Characteristics:

Chart Type:

