



UPDATES FROM DATA MANAGEMENT

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TCEQ - WATER QUALITY PLANNING DIVISION

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THE DATA MANAGEMENT REFERENCE GUIDE

- The 'DMRG' is **THE** publication of the DM&A Team and is your guidance document for data and metadata related to surface water quality monitoring
- Effective date is August 3, 2015, but it is a living document so if we need to edit a chapter, or add a chapter or appendices, it can be updated at any time.
- Bookmark it !
- http://www.tceq.texas.gov/waterquality/data-management/dmrg_index.html
- Anything new? More guidance in Ch. 12 on Biological Data Reporting

ABOUT SWQMIS



- SWQMIS is the Surface Water Quality Monitoring Information System
- Web-based, Oracle platform
- 2 environments available, TEST and PROD (production)
- PROD: <http://www80.tceq.texas.gov/SwqmisWeb/>
- TEST: <http://www8tst0.tceq.texas.gov/SwqmisWeb/>

WHAT IS SWQMIS ???



- 'The database'
- More than just 'the database'
- SWQMIS - designed, built, then released in 2007.
- Also released was SWQMAT
- Future release: component SWQMIR

PLEASE REMEMBER !

- The best location to view approved integrated reports is on the SWQM web page. Please continue to use that online resource.
- The Assessment module of SWQMIS contains data from previous assessments, but will not be as current as the report that is published on the SWQM web page.



The screenshot shows the TCEQ website header with the logo and navigation menu. The main content area displays the title 'Texas Integrated Report of Surface Water Quality' and a brief description of the report's purpose and history.

Org Chart | A to Z Index | Search Site

TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

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Cleanups, Remediation
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Preventing Pollution
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You are here: Home / Water Quality / Assessment

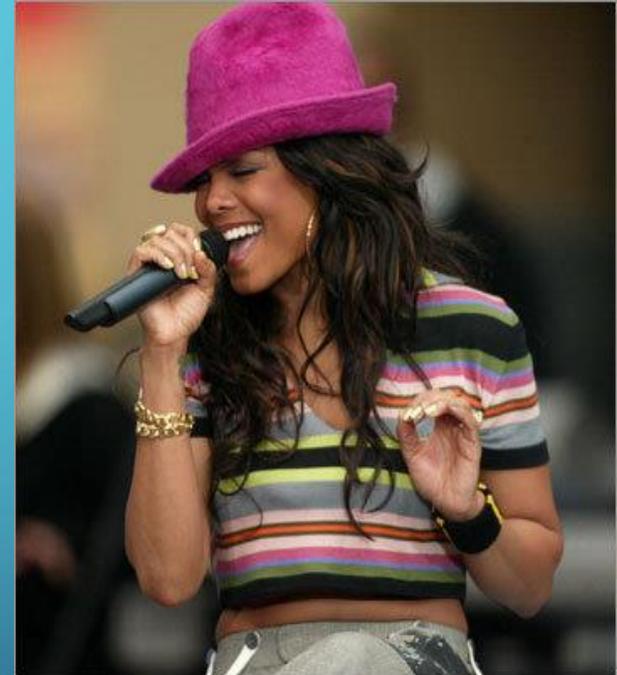
>> Questions or Comments:
swqm@tceq.texas.gov

Texas Integrated Report of Surface Water Quality

Formerly called the "Texas Water Quality Inventory and 303(d) List," the Texas Integrated Report of Surface Water Quality evaluates the quality of surface waters in Texas, and provides resource managers with a tool for making informed decisions when directing agency programs. The Texas Integrated Report is a requirement of the federal Clean Water Act Sections 305(b) and 303(d).

WHAT HAVE YOU DONE FOR ME LATELY?

- Over the past year the DM&A team has verified and validated 312,230 SWQMIS records.
- The year before that: 373,692
- And, the year before that: 398,047
- Managed the SWQMIS project
- QAPP reviews, etc....



HOW ARE WE DOING ???

- Like champions !
- Successfully migrated all components of SWQMIS with no bugs !
- Meet George Jones !

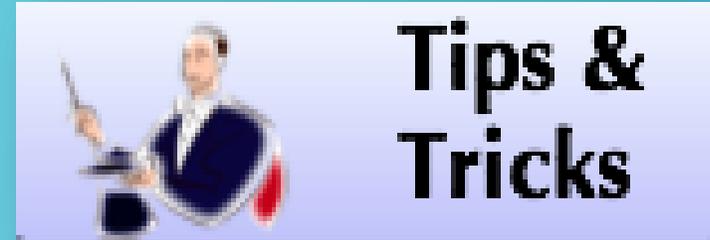


SOUNDS PRETTY COMPLEX, DOESN'T IT ?

- SWQMIS as a whole project sounds pretty complex doesn't it ?
- Interesting - data & code consists of many 1's and 0's, and is easily corrupted.
- What goes in is what comes out !



TIPS AND TRICKS



- To be a SWQMIS user:
- TCEQ staff – submit a CARF, Additional Requests box:
SWQMIS TEST environment and
SWQMIS PROD environment.
- External to the TCEQ – email SWQMIS@tceq.texas.gov
- There's a bit of a process, so thanks for your patience.

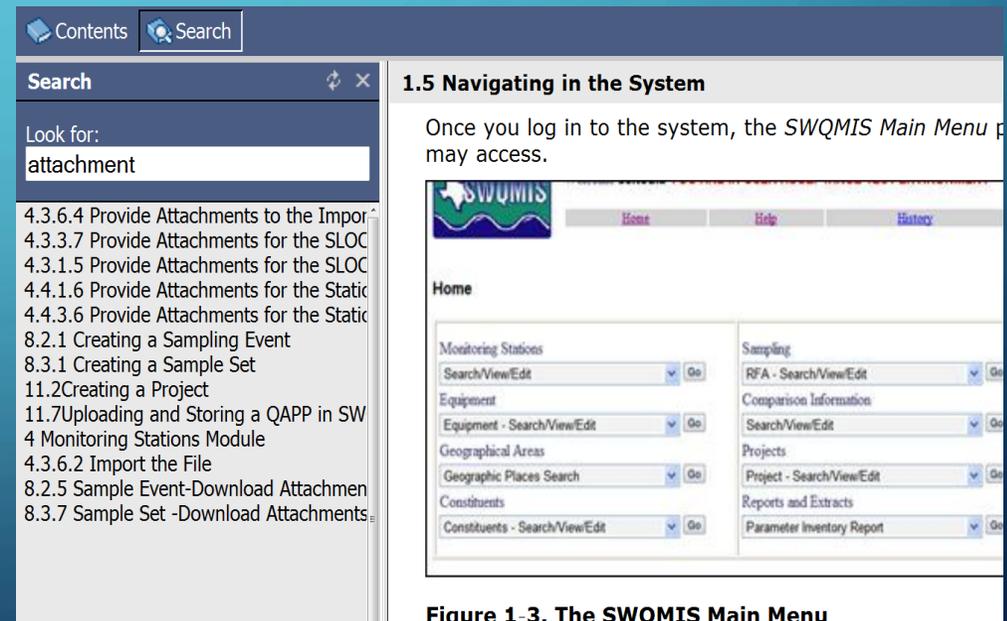
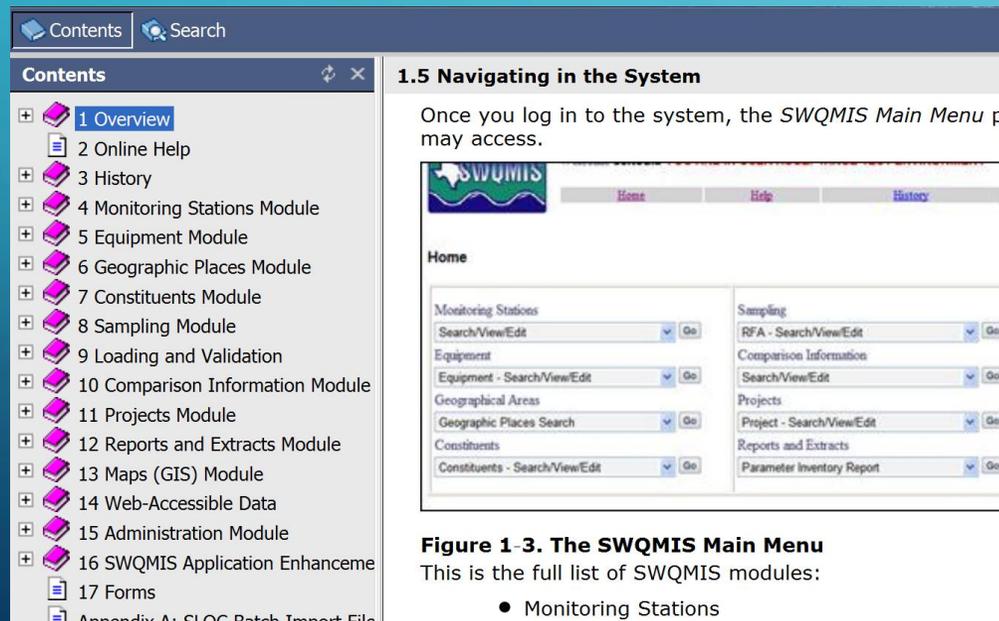
TEST VS. PRODUCTION ENVIRONMENTS

- Train, practice, or test skills in the TEST environment
- Business decisions, enter data through the gui, run reports/queries in the PRODUCTION environment
- Contents are not the same in both environments !



USER GUIDE

- Located within SWQMIS
- SWQMIS tool bar, Help button, new tab for User Guide
- Search tool and a table of contents

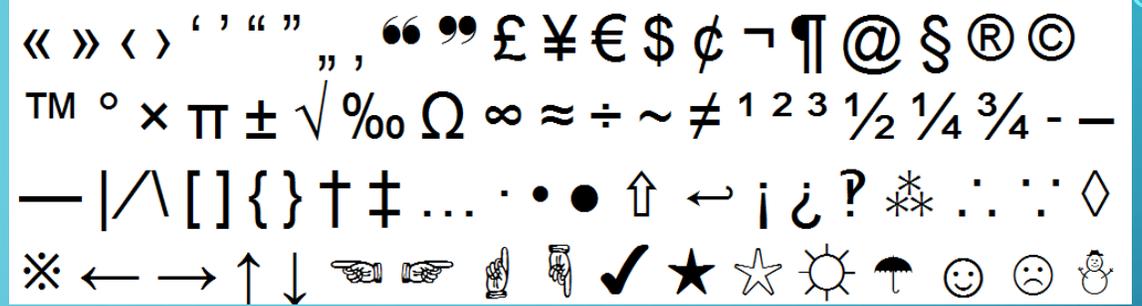


SECURITY AND PASSWORDS

- Agency requirements – more stringent
- SWQMIS meets requirements
- Reset passwords more frequently
- TCEQ staff reset
- External user reset – SWQMIS@tceq.texas.gov



SPECIAL CHARACTERS



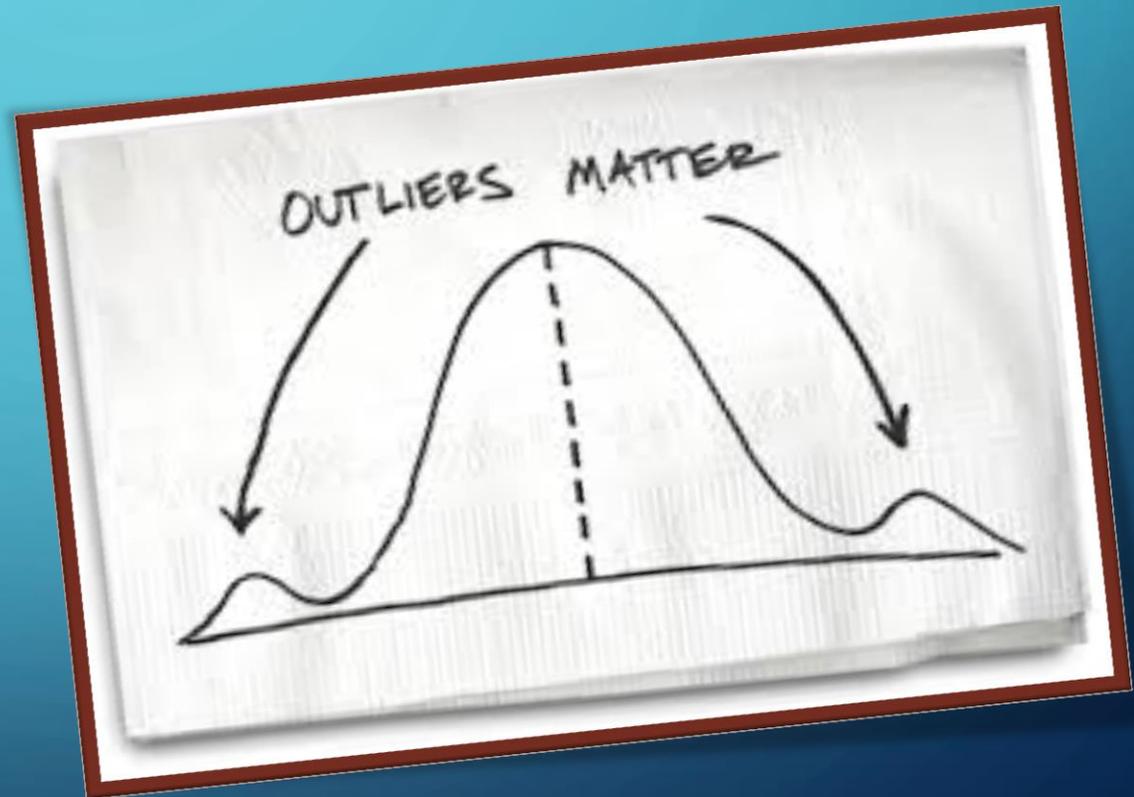
- Either while manually entering through the gui, or when creating flat files
- Comments/Observations fields
- !@#\$%^&*()?/ are special character examples
- Although these MIGHT easily be loaded or saved in the system, can be a BIG problem when running reports and/or loading into other software

PLEASE !!!

- Related to the comments/observations field or text box
- Please do not click the 'Enter' or 'Return' key on the keyboard while entering text into the comments/observations field or text box
- Rather than saying **Temp 30°; 50% cloudy; +/- 150' from bridge & midstream in channel** it would be better to say Temperature 30 degrees
50 percent cloudy Approximately 150 feet from bridge and midstream
in channel
- Thank you !

OUTLIERS

- System checks outliers with every 'Save'
- Long time since all data analyzed for min/max ranges
- Best to do all at one time
- Do you know of outlier issues in the data for your area?



CONTACT INFORMATION

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