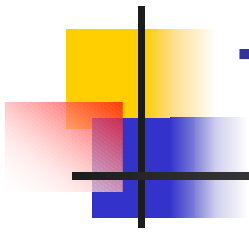


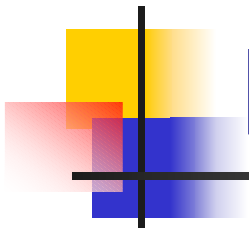
NWIS Status

Senior Staff Meeting April 23, 2002 Reston
ITAC Albany, NY May 14-16, 2002



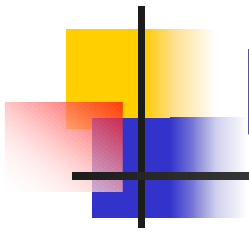
Topics

- NWIS 4_2 Schedule
- NWIS 4_2 New features
- NWIS 4_2 Training & communications
- NWIS-RT backup
- NWIS 4_2 Deployment
- Summary
- ESC issues and actions



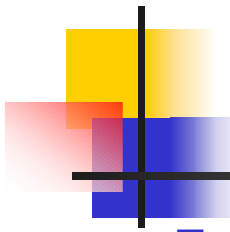
NWIS 4_2 Schedule

- User tests completed
- Data transfer verification – April 29-May 25
- System acceptance test – June 10-14
- Release for Beta installations – July 22
- General release – August 26



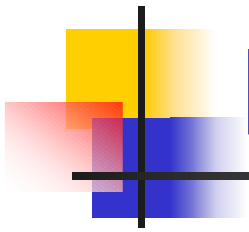
NWIS 4_2 Summary

- ADAPS – paradigm shift, restructure data
- GWSI – minor enhancements
- QWDATA – rounding enhancements
- SWUDS – paradigm shift, restructure data, Windows interface
- NWISWeb – reworking retrievals



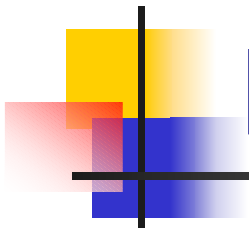
NWIS 4_2 ADAPS

- 17 “midas” tables to 70 rdbms tables
- Shift paradigm - NWIS-II
 - Shifts/ratings stored under computed timeseries
 - Improved processing of shifts
 - Improved data consistency and aging
 - Data flow more logical
- Added estimation of missing record
- Improved data editing
- Dates stored as UTC
- Referential integrity added



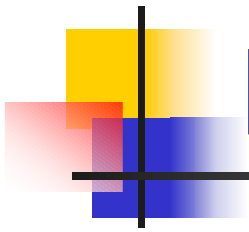
NWIS 4_2 GWSI

- Four new components
- Additions to reference lists
- Three new reference lists
- For GIS processing all decimal degree locations will be converted to NAD83



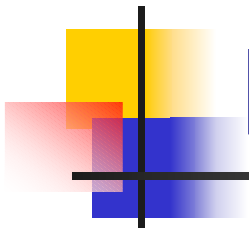
NWIS 4_2 QWDATA

1. Addition of lab standard deviation
 - A new field stored with the result
 - Values will be provided by the lab
2. Addition of a parameter-method table
 - Provides rounding arrays for parameter-method pairs
 - Improves rounding by distinguishing between methods



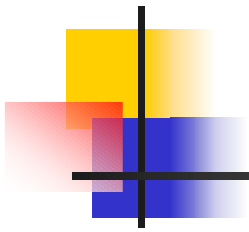
NWIS 4_2 SWUDS

- Everything changed
- Paradigm shift to site-based data model
 - Midas tables to rdbms tables
 - Sources, places of use, returns
 - "Follow the drop" of water from place of withdrawal, to use, to return
- New data types
- Client/server environment
 - Data base on UNIX server
 - Graphical user interface in Windows



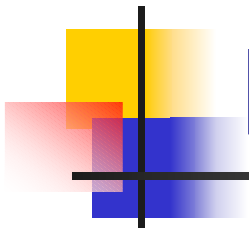
NWIS 4_2 General

- Major rework of code to change station id
- Major rework of code to move data between installations



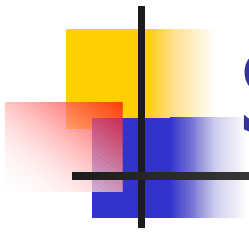
Training

- Lead, Jim Kolva, OSW
- NTC, train-the-trainer, OSW/NWIS
 - 2 classes, 25 trainees each, 1 from each District
 - Training material provided for each trainee
 - Trainees pair up for District training
- Cyber Seminars
 - ADAPS pre-transfer issues
 - Several to focus on new features



NWIS 4_2 Deployment

- Short period for District installation (Sept-Oct)
- Most complex release with longest data transfer time
- NWISWeb must work with 4_1 and 4_2
- NWIS RT services must be re-established



Summary

- NWIS 4_2 completes initial effort to modernize data base and add some critical functionality
- Stage set to work with ESC to carve out the future