

Electronic Sanitary Survey & SDWIS/STATE News and Update

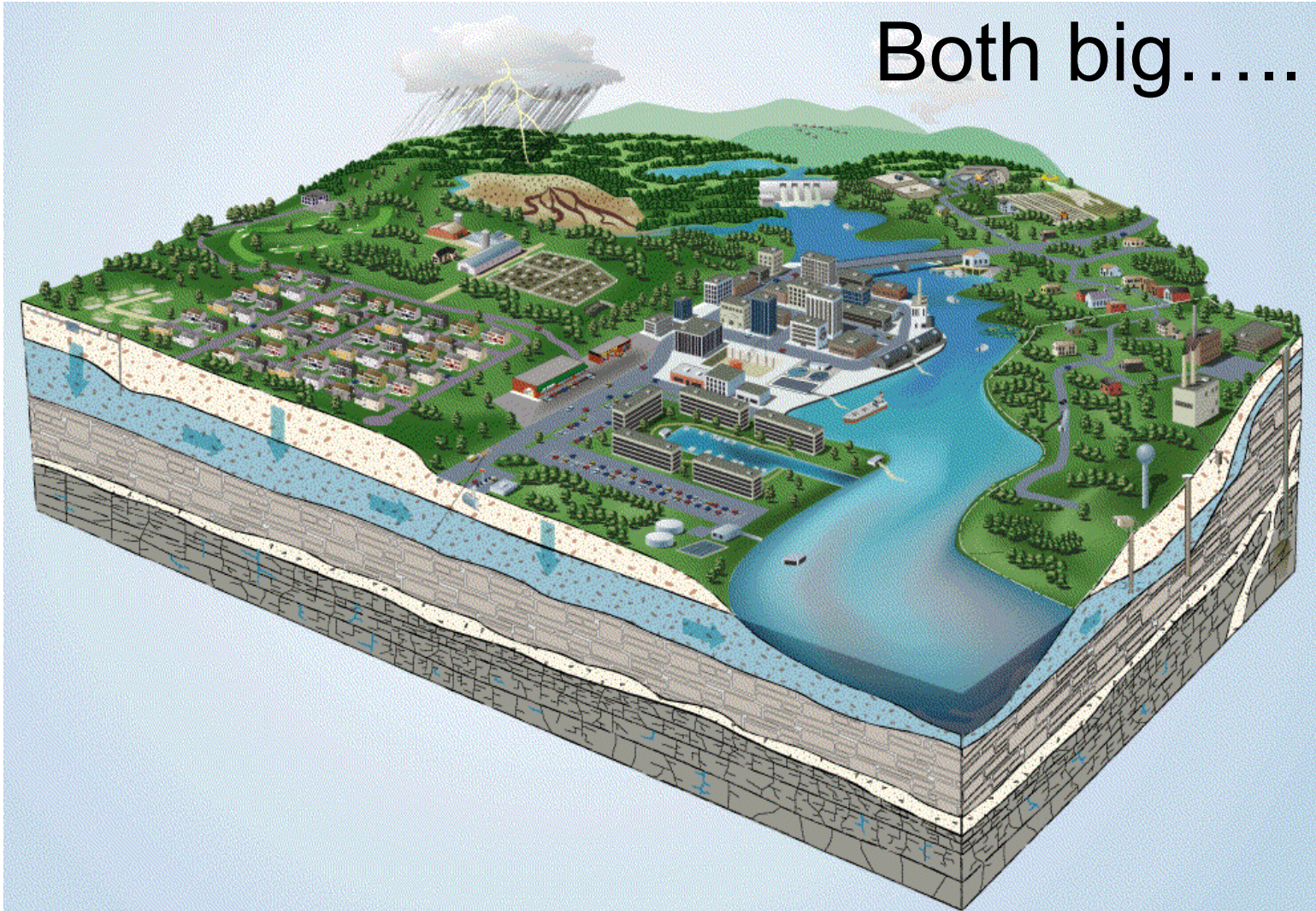
Clint Lemmons
U.S. EPA

Office of Ground Water & Drinking Water



Public Water Systems

Both big.....



Public Water Systems

.....and small



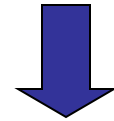
WS Facilities & Flows



Ground Water Well



Treatment Plant



Storage Tank



Distribution System

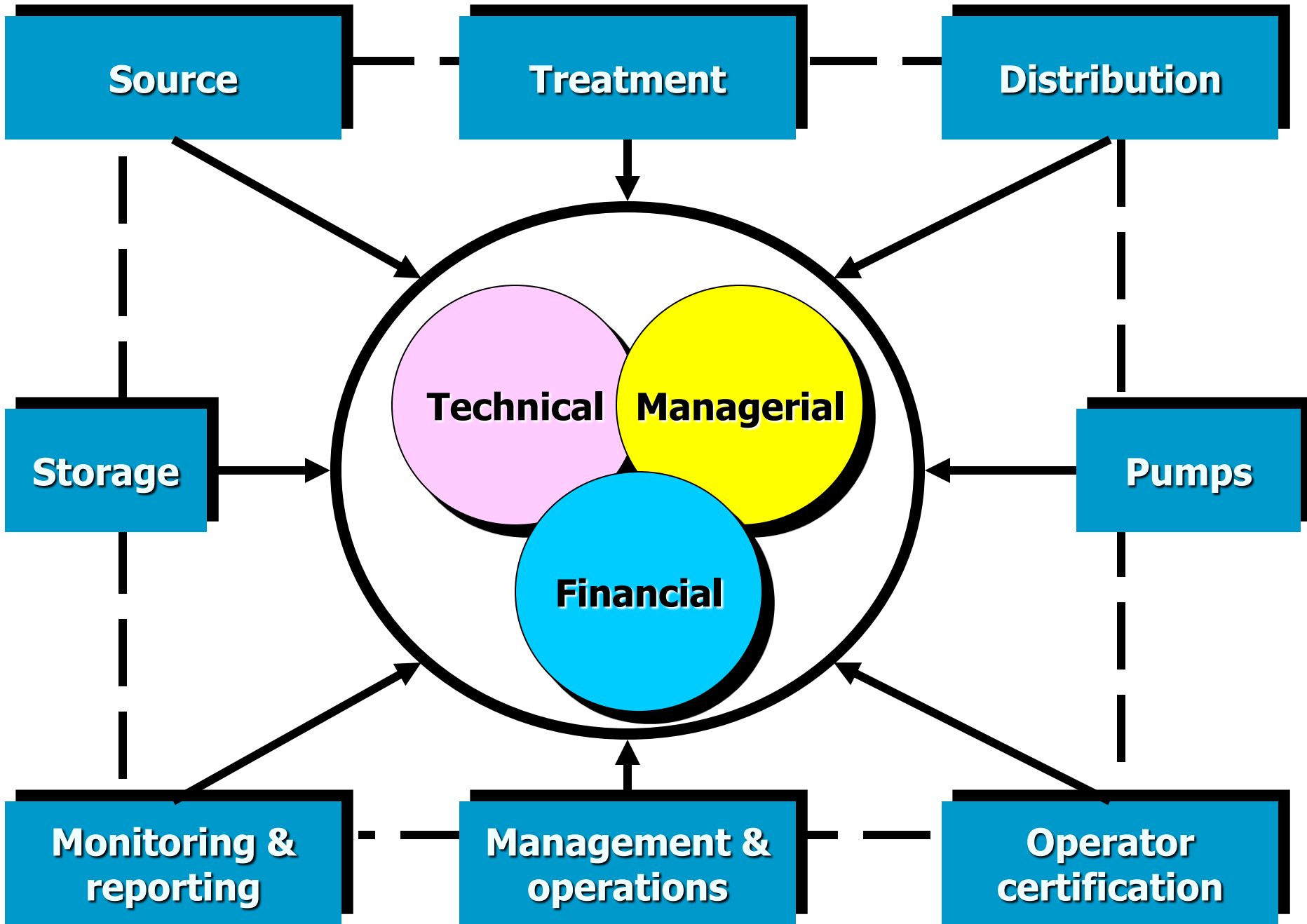


**Surface
Water
Intake**

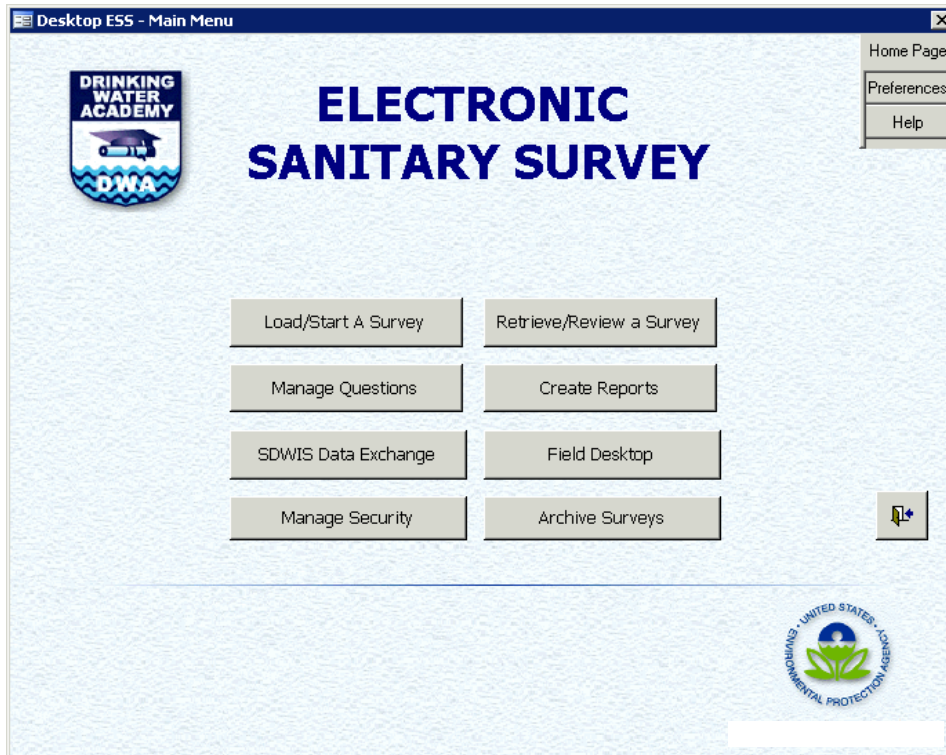
Site Visits (Sanitary Surveys)



- Reason for Visit
- Persons Present
- Areas Evaluated
- Deficiencies Identified
- Scheduled Activities to Address Deficiencies



Electronic Sanitary Survey Release 4.2



- Microsoft Access based software
- Used to electronically capture sanitary survey data
- Available free from EPA

ESS Features

- SDWIS interaction to pre-populate water system data for surveys
- Centralized data file to store all the surveys for a region/state
- Flexible/Customizable Question Sets
- Load/Retrieve survey data with tablet PCs or PDAs
- Text file generation for updating SDWIS after survey completion
- Reports module for survey responses and deficiencies.

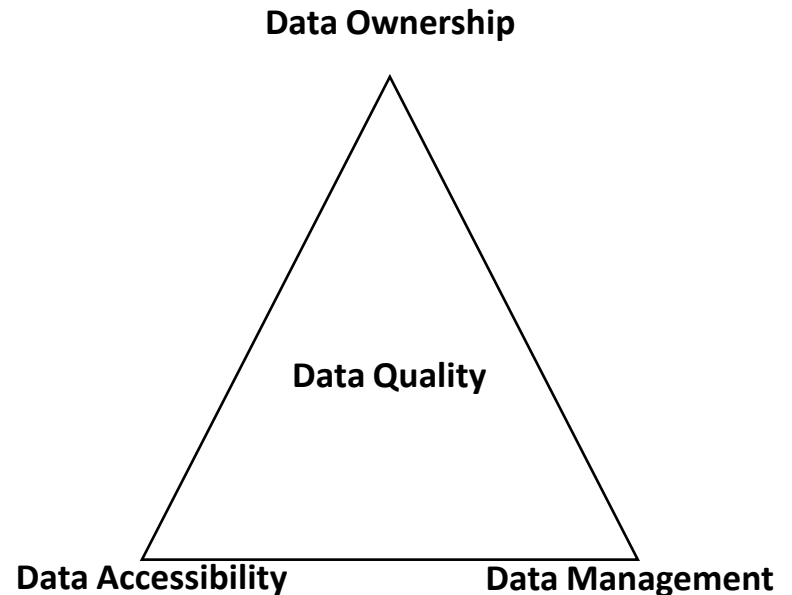
ESS Benefits

- Improved Consistency
 - Question sets are a guide for inspectors.
 - Standardized reports provide a consistent final product containing all applicable information.
- Data Collection/Dissemination Efficiency
 - Electronic data capture reduces the time needed for inspectors to translate their field notes into standard reports and letters
 - Quick and easy report production



ESS Benefits

- Data Quality
 - Increases compliance determination accuracy
 - Improves efficiency by reducing time needed to cross check data
 - Reduces reporting errors
 - Assist with decision making



ESS Benefits

- Sanitary Survey Effectiveness
 - Question sets help ensure a complete system evaluation.
 - Data can be quickly accessed by anyone in the organization.
 - Risk assessments can be done on data to ensure appropriate compliance assurance/follow-up actions.



ESS Benefits

- Resource Management Capability
 - Possible to determine if there are local or statewide trends.
 - Outreach and training materials can be developed based on data analysis
 - Combining water quality data with sanitary survey data can assist with long term rule and standards development.





ELECTRONIC SANITARY SURVEY

Home Page

Preferences

Help

Load/Start A Survey

Retrieve/Review a Survey

Manage Questions

Create Reports

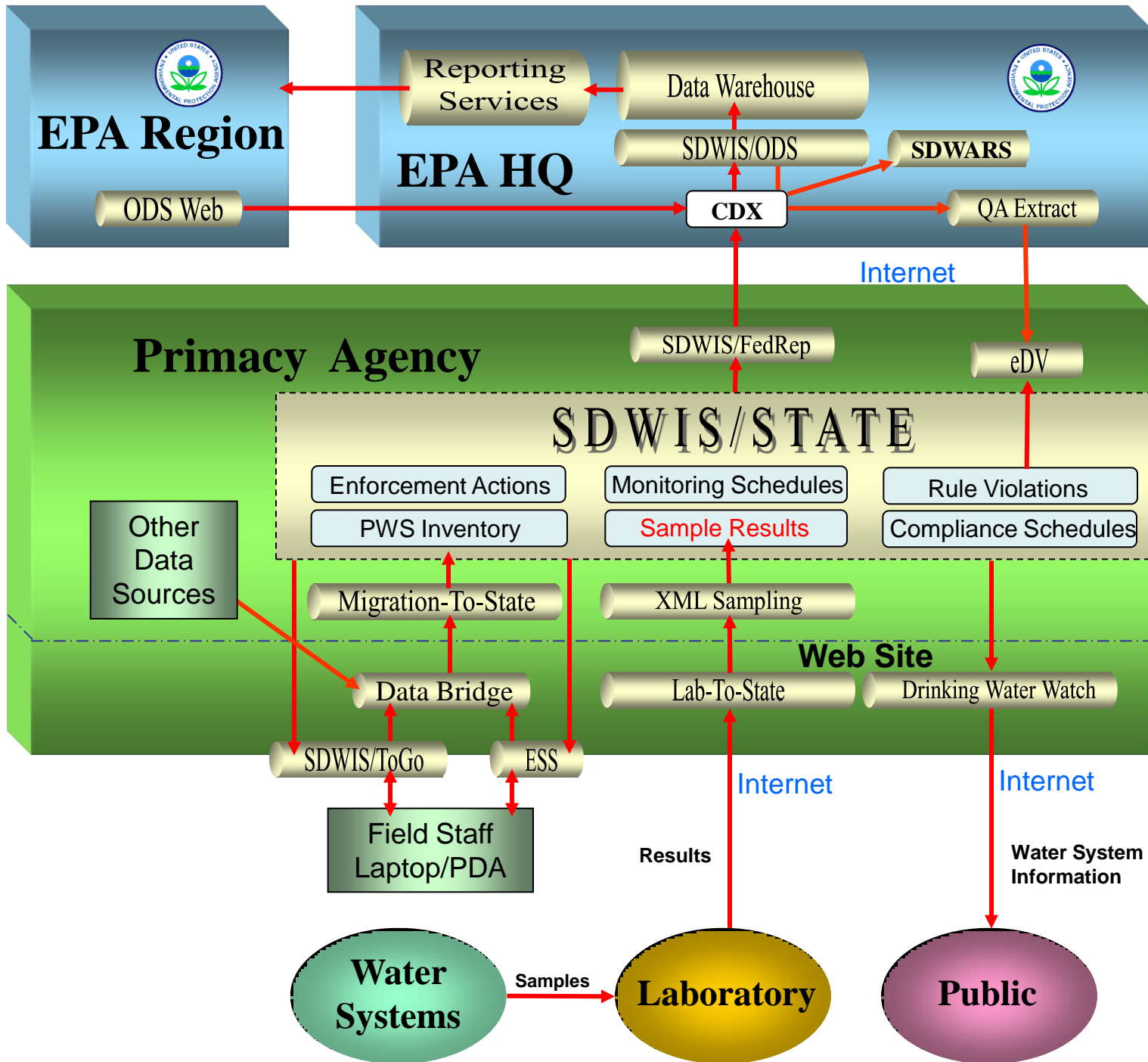
SDWIS Data Exchange

Field Desktop

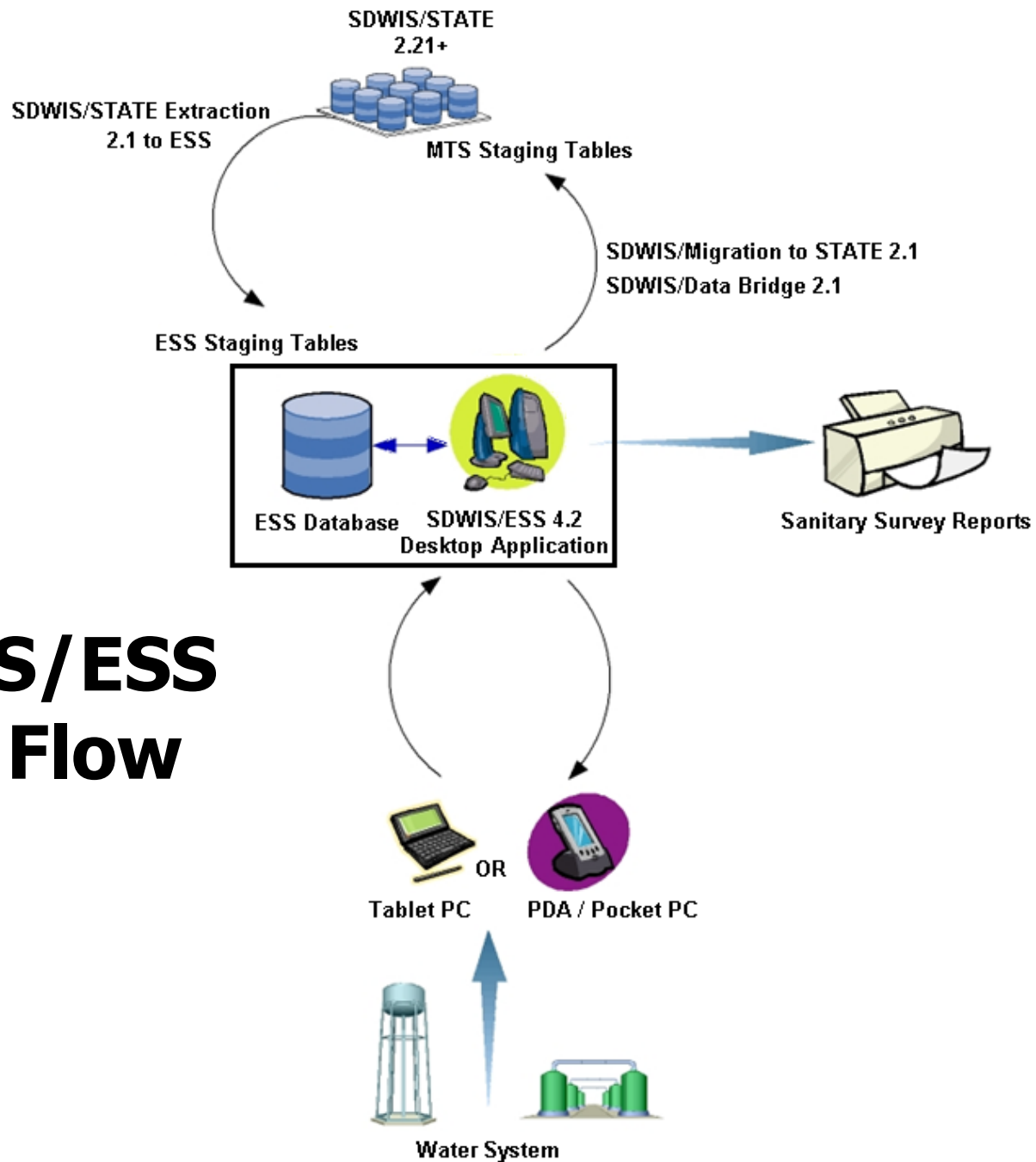
Manage Security

Archive Surveys





SDWIS/ESS Data Flow



ESS Implementation

