For more information on the portal see: [www.waterqualitydata.us](http://www.waterqualitydata.us)
Currently over 330 million water quality monitoring results

States, tribes, other feds, local groups

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**Originating Node**
(or Node Client)

1. Authenticate to CDX
2. Submit file to CDX
3. Archive file
   a. Set Status = “Received”
4. Validate XML
   a. Schema Validation
   b. Set Status = “Pending” or
   c. Set Status = “Failed” Jump to step 9
5. Submit file to WQX System
6. Get Status from CDX
7. Download Processing Report
8. Archive Processing Report
9. Send notification email to submitter.
10. Get Status from CDX
11. Download Processing Report

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**CDX**

- 3. Archive file
   - a. Set Status = “Received”
- 4. Validate XML
   - a. Schema Validation
   - b. Set Status = “Pending” or
   - c. Set Status = “Failed” Jump to step 9
- 5. Submit file to WQX System
- 6. Get Status from CDX
- 7. Download Processing Report
- 8. Archive Processing Report
- 9. Send notification email to submitter.

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**WQX**

- 6. Process file
- 7. Notify CDX and return the Processing Report
  - a. Set Status = “Completed” or
  - b. Set Status = “Failed”

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**Access**