

Hydstra Procedures

Dance of the Data

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From Hydstra to Water Data Library

Hydstra is used in five offices: Northern Region Office, Sutter Yard, North Central Region Office, South Central Regional Office and Headquarters.

Each Wednesday evening, the archive files from Northern Region Office, Sutter Yard, North Central Region Office, South Central Regional Office files are copied to Headquarters. Archive time-series files and discrete data (TTabPts, rating tables and gaugings) are copied. Working time-series files are not copied to Headquarters. This process is set up to run automatically, but it can also be done manually if there are problems. In the best of all possible worlds, the process runs smoothly. There are times when the copying does not occur.

Each Thursday evening, the files from each office are combined into a single data set at Headquarters. Like the copying, this process can be done manually. In the best of all possible worlds, the process runs smoothly. There are times when the consolidation does not occur.

Each Friday afternoon, a program generates reports from Hydstra for information that had changed in the previous 30 days. Information includes:

- ❖ Blocks for archived time series
- ❖ Rating tables and related tables, including stage and time shifts.
- ❖ Discrete points

These reports are usually available by 9:00 PM on Friday. In the best of all possible worlds, the process runs smoothly. There are times when the program croaks.

Four times a year (the first Friday of January, April, July and September), the program generates Hydstra reports for everything. This is done as a backup, in case something gets changed and it is not picked up because of a glitch in the process. In this case, the process takes much longer. Reports are usually available by Monday afternoon (following the Friday).

Headquarters can also run and post reports for individual sites when the need arises.

The shortest time from data entry into Hydstra until it is posted on Water Data Library is three days. Data would be entered into Hydstra on Wednesday, and posted on Water Data Library two days later (Friday).

The longest time it should take new information to show up on Water Data Library should be no more than four months.

One of the consequences of this process is that Headquarters cannot make changes to archive files and the various tables. Any changes that Headquarters makes would be overwritten the next time data was transferred from the office to Headquarters.

[Automated Hydstra Reports](#) presents the reports generated by the automated reporting program.