

Update Status of Ratings at WFOs

To: ALL WFO HPMs:

April 1, 2016

Please read this extended discussion on stage-discharge rating curve ingest for WFOs. Action is advised for sites with outdated ratings.

PROBLEM:

Some WFOs do not have current ratings in their IHFS database. These ratings are used on the public AHPs web page graphs/tables that show discharge and stage. The ratings are also used internally by SiteSpecific, TimeSeries, and RiverPro in ways dependent upon local configuration.

STATUS DETAILS:

<https://docs.google.com/spreadsheets/d/1SatH5CidrgwVs1kZJTU8dgIIPCgCApZuRCpn2F7PKaI>

The Google sheet notes the latest RFC update as of April 1. It shows that (77) WFOs have relatively recent (< 1 month) updates; (43) have older updates; (2) do not use rating curves. This is determined by looking at the Riverstat.ratedat column in the IHFS hydro database, viewable from HydroBase. To quickly assess your update status, one way is to use psql directly to query all river locations in your database with a rating table at some point:

```
psql hd_ob92xxx (xxx is your WFO call letters in lower case)
```

```
select lid,ratedat from riverstat  
where ratedat is not NULL order by ratedat desc;
```

```
\q (to exit psql)
```

While the focus of this email is on ensuring updated ratings, the standard rating ingest method also attempts to send emails when new ratings are posted at WFOs. For some offices, this is failing and is a secondary problem.

INGEST METHODS:

There is no AWIPS baseline software for ingesting ratings at WFOs. Most offices use the RUHT (Rating and Unitgraph Transfer) local applications software to capture files sent from their RFC(s). It appears that all RFCs, except possibly one, are sending these files currently. This application suite reads a directory available from the DX (not the PX), loads the Rating table into the IHFS database, and sends email notifications to designated accounts.

Common problems we are seeing are missing crons or crons on the wrong server, and scripts that do match the WFO configuration. RUHT may also have stopped working upon installation of AWIPS-2 at the WFO. The version of the RUHT software stored on the SCP is *not* functioning for the email notification, so we advise against use of that version. Our Hydro Support team is adding some logging features to the current version kindly provided by MB/NC RFCs, and can provide or make software fixes.

We ask that all WFOs install the software in the recommended directories and configurations. A rating ingest function may become AWIPS-baselined at some future time.

ACTION:

Please review the google sheet information for your WFO. If your updates are not current, please consider your operational needs and whether you should be ingesting updated ratings for AHPS web pages or other reasons. You also may want to consider your email notification practices.

If desired updates (and emails) are not working, and you would like help with setting this up, contact Hydro Support at whfs@noaa.gov. We appreciate your patience as it may take weeks for Hydro Support to resolve all the issues nationally. Your RFC also may offer to assist.

Thanks,

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