Current Meter (Glogger) - Data Entry

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Overview:

This Operation Manual details the office procedures required to correctly 'post-process' and import a Current Meter gauging. For more information refer to the STIL Gauging Logger Manual.

Post-processing:

1.Transferring Data

Start Glog.exe (Z:\Hydrology Sites\General Site Information\Gaugings\Glogger\glog3.39-t.exe) on your PC.

Connect Glogger to PC using RS-232 to Glogger cable.

Turn Glogger on.

On Glogger go to *System menu>Xfer to computer*.

In Glog.exe (ensure the comm port number is appropriate) go to *Transfer>Upload Gaugings from Logger* then '*View/Save first*' then in popup window '*Save files'*. In the new popup you can save each of the individual gauging files to the appropriate site folder one at a time.

2. Viewing/Editing the Results

In Glog.exe select *File>Open Gauging File*, navigate to the desired gauging file and '*Open*'.

Use the '***E***' button to open the Edit window.

- Check data and complete fields as appropriate.
- At a known site it is fastest to enter the site number first as this will populate other site related information automatically.
- The method will be '06' for a conventional small OSS gauging.
- Double check the Effective Waters Edge (Ewe) percentage, normally 50%.
- Check for any obviously incorrect depth entries that might make the cross-section and therefore the discharge estimate, incorrect.
- Once you are happy with the gauging data click '*OK*'. You can come back and edit again at any time.

Begin gauging card.

- Check site stage telemetry data and enter relevant stage and times onto gauging card for the duration of the gauging.
- Determine change in stage – Note: the rate of change determines the correct method to use [refer to the gauging procedures in the QMS].
- Determine gauging time and stage height through relevant procedures.

Open Manager and right click on a Site Name and select '*info*'. Hover over '*HydraPro*' then select '*Gauging Register*'.

Enter the Gauging Register information using derived time and stage then '*Save*'. Take note of the '*Gauging Number*' that is generated in the Gauging Register.

Add the '*Gauging Number*' to the gauging card.

Back in Glog.exe click the '***E***' to enter Editing mode.

- Enter the Gauging Number into the '*G Number*' field and click '*OK*'.
- Go to *File>Save Gauging As*. Save in the correct site folder using *[Gauging Number]_[tideda date]_[3 letter site code].*
- Then *File>Print Gauging*.
- Finally go to *File>Save the Window as a Text File* with the same *[Gauging Number]_[tideda date]_[3 letter site code]* naming convention.

3. Importing into Hilltop

Open Manager to the appropriate regional gauging directory (eg. *Northern Gaugings*).

Select *Data>Import>Glogger* and navigate to the appropriate file. Default gauging time should be '*Mean Time*'.

Open Face Card (*Ace button*). Tab through and enter relevant fields on each page.

- Ensure derived time is correct.
- Use derived stage.
- Method code is '6'.
- The prop serial number should be entered into the comments field.
- Enter '999' as a default Rating No.
- Check slope and intercept are correct for the meter and prop used.

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- Ensure the current meter serial number is correct.
- Use tideda format for calibration date.
- The Output page should be left as is.
- Select '*Save*' when all pages are complete.
- Select '*Calculate*'.
- Enter the calculated data into the computed data section on the gauging card.
- Print the computed data.
- '*Save*' the data.

Update the Gauging Register with the Hilltop values as they may differ from original values.

Put the paperwork together.

- Glogger printout folded and stapled to the card.
- Calculation inside.
- Highlight the gauging number and initial.
- File in appropriate spot for checking.