Copy to New Location   Job Sheet

You might want to Copy an existing location to a new location as either a New Station or a Test Station.
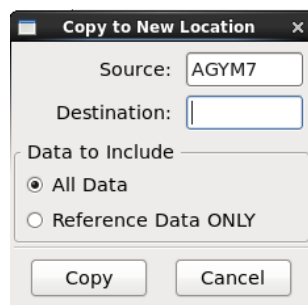
For a New Station, that is similar in most ways to the existing station, you will want to edit all the data to be unique for your new station in all the GUIs under all of the HydroBase menus.

For a Test Station, once you copy it you can edit data in the Location > Modify Location and River Gage > River Gage GUIs (as a minimum) to change at least some of the metadata in order to …
- make data visible for both the original and test station in the Hydro perspective plot
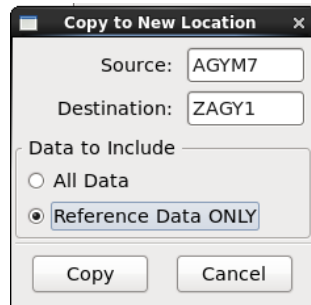- make sure you don't confuse the test station with the real one, etc.

In the Modify Location GUI (on both Geophysical and Additional Info pages), there is a **Copy to New Location** button in the upper right corner. Use this to copy an existing station to a new (or test) station using the following steps.

1. Open HydroBase

2. Select the station you wish to copy

3. Select Location > Modify Location

4. In the Modify Location GUI, select Copy to New Location

5. This new GUI opens …

6.

7. Notice that by default it has All Data selected. It takes more time to select All Data and in most cases this is not necessary. The only thing that is missing if you select Reference Data ONLY (no observations are copied) is that the Unit Hydrograph is NOT copied (if this is a Site Specific Hydrologic Predictor site that you wish to use as a Test/Practice station). You will have to copy that over in addition (steps will be in the SSHP focal point course).

8. In the Destination box, put in a new station ID. It does NOT have to end in the 2-character code for your state (see my example below). It SHOULD be different enough (such as start with a Z or be TEST1-TEST9, etc.) so that there is no chance it can be mistaken for a real station. Also, select Reference Data Only.

9.

10. Select the Copy button and wait a few seconds for it to complete.

11. Note: At this time, the Copy to New Location GUI closes, and you are back in the Modify Location GUI for your ORIGINAL station! You can close this GUI now.

12. Scroll down in the Station List in HydroBase (or use the Station Search box in the lower right) to get to your new station ID and select it to highlight that station.
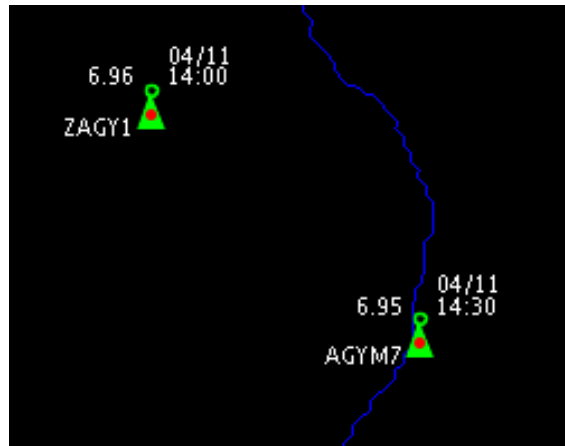
13.

YATK1	YATES CENTER	KS,WOODSON	NEOSHO-7	
ZAGY1	AGENCYT1	MO,BUCHANAN	PLATTE RIVER	PLATTE RIVER
ZIOM7	ZION	MO,MADISON	ST. FRANCIS	

14. Select Location > Modify Location to open up the GUI with your new/test station info displayed.

15. At a minimum for a Test station, you want to change the Lat & Lon enough to see this station clearly compared to your original station (about 0.05 degrees is enough as you zoom in a little). Change ALL the metadata under ALL HydroBase menus for a New (real) station.

16. The Lat & Lon are also displayed in the River Gage > River Gage GUI. Open that and make the same changes there.

17. Once your changes are saved, you should be ready. However, you MAY need to exit the Hydro perspective and reopen it to pick up the changes. Today, with my current Beta build of 16.1.2, I had to actually close CAVE and re-start CAVE to see data plotted for my station.

18. Create SHEF message (a simple **.A** message with current date and time and a reasonable river stage, etc.) and deposit it into

/awips2/edex/data/share/hydroapps/shefdecode/input and it should decode within a minute or two.

19. Select MapData > Refresh Data and you should see your new station plot.

20.

That is my new Test station in the upper left, and I am zoomed in fairly close.

Now you can drop "fake" observed and forecast data into ~shefdecode/input and see it plotted in the Hydro perspective. Use this to test certain things (like any RiverPro template changes) and to create drills for your office staff.