



Recovering a Matrix

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I recently joined the HYPACK Support Staff and have used HYPACK®/HYSWEEP® for a number of years. You might already know how to recover a matrix, but I never realized it was possible. I knew the archive folder existed and the files within it took up a lot of space. I just assumed it was a data backup for my raw data. Since I never needed to recover that data, I just deleted these files when I needed more space on my hard drive. I never realized that it was a back up of my matrix. Little did I know that these files could have saved me some time out in the field when the accidental flip of a switch killed the power or for some other reason HYPACK® shuts down and with it my working matrix. Leaving me with the big question, where did I leave off?

After all your hard work someone bumps the power and there goes all your work. In the past, I would do a quick process of the MB data just to get a Dirty DTM but that still took time out of actual field time. No more...Here is the quick and easy way to restore that matrix you worked so hard to collect.

Follow these few steps to set up and recover your matrix:

1. **Set up the matrix backup time.** If you do not set this up, then it is most likely set to 0 and therefore the option for backup is disabled.
 - a. **Start SURVEY or DREDGEPAK®.**
 - b. **Select Options - Select Navigation Parameters**
 - c. Under the MTX Backup Time **enter your desired time in minutes.** (10 - 15 minutes is recommended).

FIGURE 1. *Navigation Parameters Dialog*

2. In the HYPACK® Shell, **right-click on the 'Matrix Files' folder in the Project Files List and select the "Convert .mxb -> .mtx option**. The archive directory for the project is automatically opened.
3. **Select the MXB file** you want to restore to MTX and click open. (The backups will be named by FileName_HH_MM.MXB. You probably want to select the most recent saved file.) A File Save dialog automatically appears.

FIGURE 2. Restoring your Matrix from the Matrix Backup File

4. **Name your file and click [Save].**

****It is that simple and you don't have to lose precious survey or dredging time.****

