



EXPORT TO CAD Upgrades and Additions

By John Marinuzzi

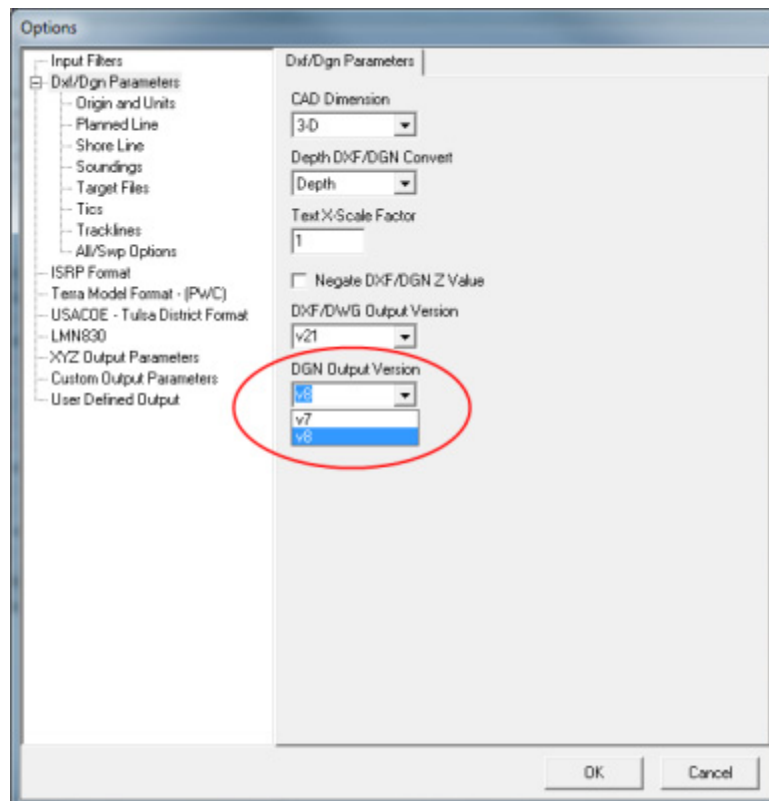
The EXPORT TO CAD program recently had a couple of major changes and additions that customers have been asking about for a while. The first change is ability to export directly to the DGN V8 format. The second major change has to do with exporting of Soundings. And the last involves the coloring of exported objects. I will discuss all three, each in their own sections, below.

EXPORT TO DGN V8

EXPORT TO CAD now has the ability to export to DGN V8. The V8 version differs greatly from V7. It can have named levels, true color objects, and more advanced object types, all of which are used in the exported files from EXPORT To CAD.

To export to V8, select the “v8” option under the *DGN Output Version* on the *Dxf/Dgn Parameters* tab in the options.

FIGURE 1. Electing to Export to DGN Version 8



VECTOR SOUNDINGS

Perhaps the best upgrade to the EXPORT TO CAD program is the ability to export to Vector Soundings.

What are Vector Soundings? They are soundings exported as polyline objects and not text. For years now, we have had struggles getting soundings to show up precisely where they should be on a map due to differences in fonts and export styles. This has been documented in past Sounding Better articles. With Vector Soundings, the soundings are drawn on the map exactly where they should be.

To use Vector Soundings, click the *Vector Soundings* option under the *Dxf/Dgn Sounding parameters* tab in the options. If you want to export to Vector Cartographic soundings, click the *Cartographic (IHB)* checkbox right above it.

FIGURE 2. *Selecting the Vector Soundings Option*

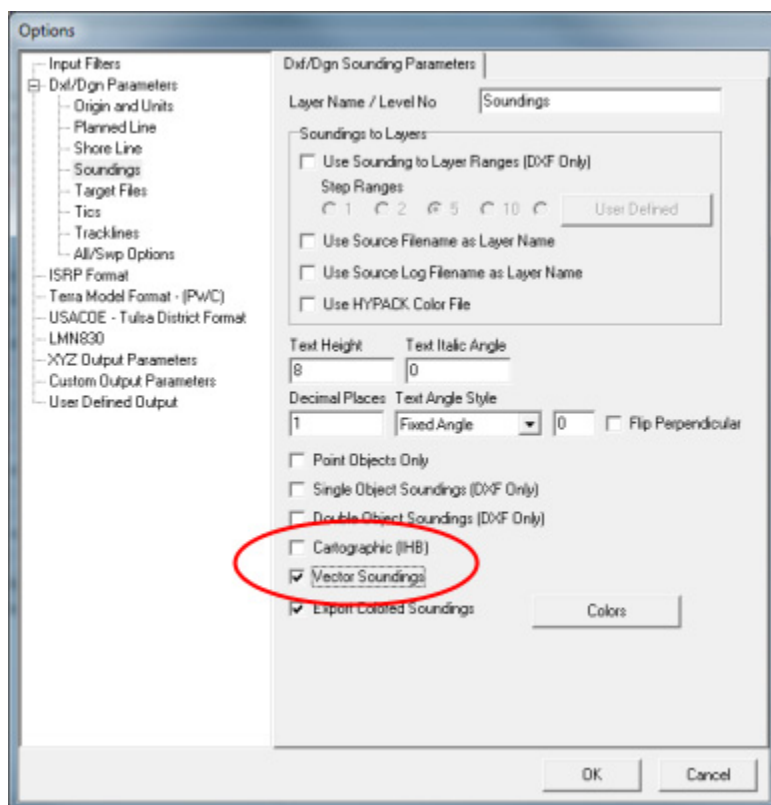
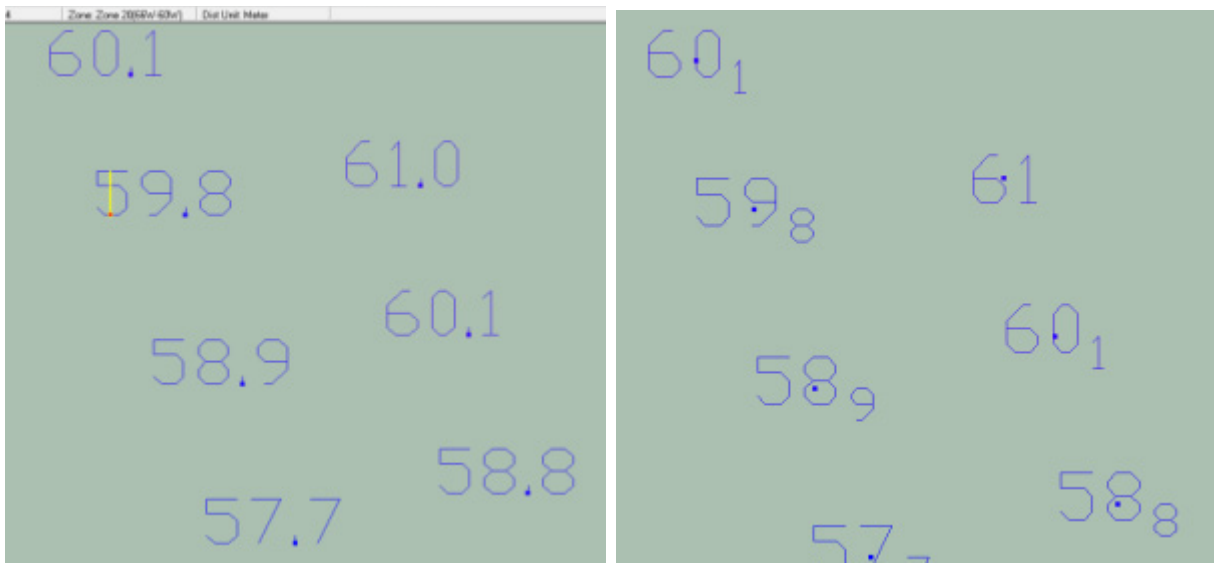


Figure 3 shows the exported files in HYPACK®. The actual sounding positions are shown as the dot (pixel sounding display in HYPACK® options).

FIGURE 3. Vector Soundings in HYPACK®--Vector Soundings (left) Vector Cartographic Soundings (right)



COLORING EXPORTED OBJECTS

In past versions of EXPORT TO CAD, the colors of most exported objects were hard-coded. This new version gives you some control of the colors through schemes. The EXPORT TO CAD program will use the currently selected scheme to get the colors to export certain objects. See the list below for the mapping of scheme object to exported object.

TABLE 1. Scheme Settings for Exported Objects

Exported Object	Scheme Object
Border Files (Outline and Node Ellipses)	Chart Elements – Border Files
Advanced Channel Files (Faces and Text)	Chart Elements – Advanced Channel Files
Planned Line Files (Lines)	Survey Elements – Planned Lines – Not Yet Run
Planned Line Files (Text)	Survey Elements – Planned Lines – Text (Color Only)
Matrix Files (Border)	Survey Elements – Matrix Outline – Not Active
Channel Plan Files (Toes and Basins)	Chart Elements – Channel Plan Files (Color 1)
Channel Plan Files (Centerline)	Chart Elements – Channel Plan Files (Color 2)
Tics	Chart Elements – Grids – XY Grid
Plotting Sheets	Chart Elements – Plotting Sheet Borders
Sweep and Edited Files (Tracklines)	Survey Elements – Vessel – Main - Trackline
Edited Files (Event Text and Circle)	Survey Elements – Events - Events
Target Files (Targets)	Survey Elements – Targets – Not Selected
Target Files (Text)	Survey Elements – Targets – Text (Color Only)

This new version is available now. Please contact Technical support at help@hypack.com to find about getting this version, and if you have any questions or suggestions, please email me at nuzzi@hypack.com