



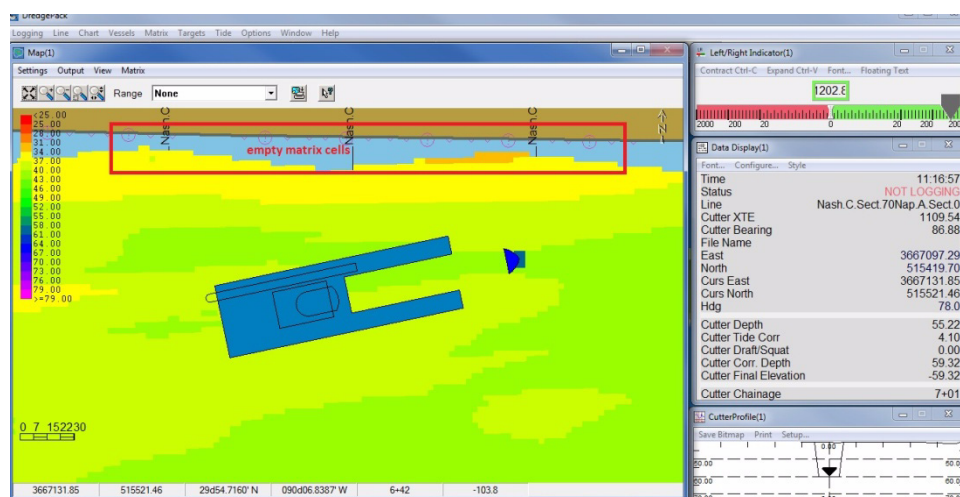
Filling Empty Matrix Cells with Dredge Data

By Bob Glover

While on a recent training course, I came across a situation where our client was charged with dredging a container birth at a large sea port. The contract called for them to cut 100 feet out from the face of the birth to allow access for larger cargo ships. They would be using DREDGEPACK® to monitor and collect data from the cut at the face of the birth.

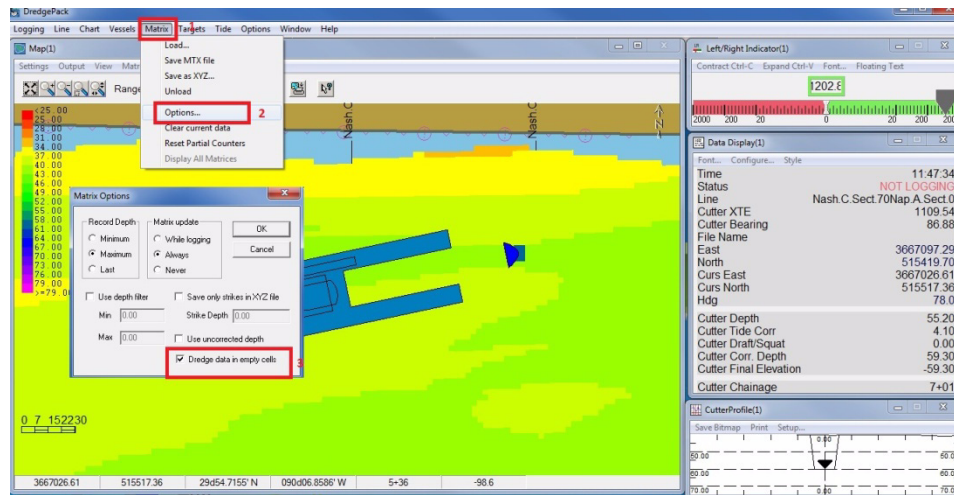
The survey team had given us an excellent predredge survey from which to build a matrix. The only issue was the survey data didn't reach the very face of the birth because the boat couldn't get close enough to the wharf. We were left with a void roughly 10 to 15 feet from the face of the birth, and the cut needed to be at the face.

FIGURE 1. Pre-dredge Matrix with Empty Cells at the Birth Face



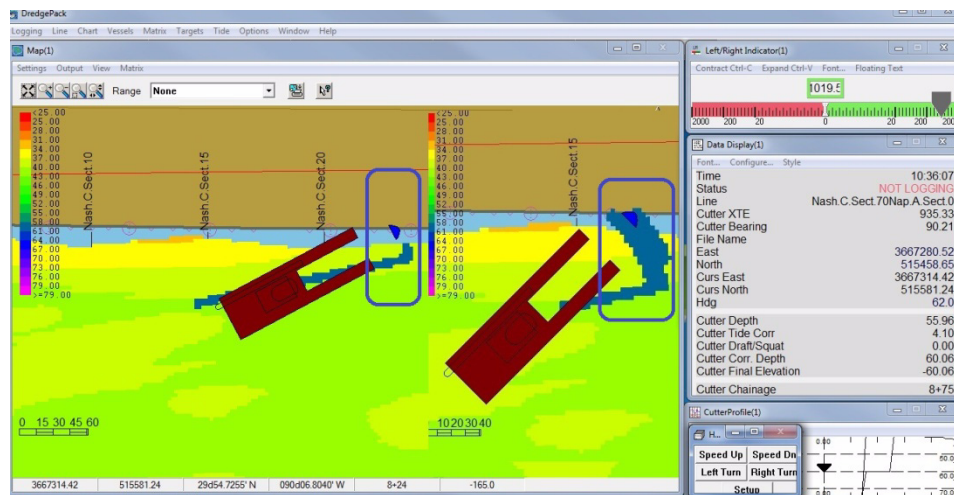
The dredge operator wanted to see the continuation of his cut, not only in the survey-filled area of the matrix, but also right up to the face of the birth. This would remove any doubt as to whether he was getting close enough to the face. In this situation, the easiest solution would be to enable the "Dredge Data in Empty Cells" check box. This can be found by selecting MATRIX-OPTIONS in the DREDGEPACK® menu.

FIGURE 2. Setting Matrix Options



With our Matrix now set to paint dredge data in the empty cells, the operator will have a much better visual assessment of the face of the birth and will be better able to determine where he has cut and what still needs to be done. The highlighted areas in Figure 3 show the difference between filling the cells with dredge data and not filling with data. For this particular client, this was just what they were looking for in order to cut directly up to the face without the worry of missing material.

FIGURE 3. "Dredge Data in Empty Cells" not checked (left) vs checked (right)



Should you have any questions regarding the settings for this option, please feel free to contact Bob at HYPACK technical support.