

Bucket Dredge Support – Positioning a Plow/Drag Barge

By Christian Shaw

In support of Clamshell dredge operations, many contractors employ a method to smooth the bottom after the first pass of a clamshell dredge over the required dredge area. Because of the nature of clamshell dredging and certain digging plans, it is sometimes helpful and cheaper to drag a bar over the bottom at grade to smooth high spots into deeper holes in the dredge area. To set this up in HYPACK® HARDWARE and monitor in HYPACK® SURVEY or DREDGEPACK® is pretty straight forward.

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Boat Mobile:

- **GPS.dll** GPS with Heading **Bar/Barge Mobile:**
- Sim32.dll Simulator Depth – Set depth to Grade
- Genoffset.dll Offset position from GPS to center of Bar
- Vulcan.dll Span multiple Matrix Cells. Define size of bar

FIGURE 2. At Work in DREDGEPACK®

Add Device	Add Mobile	Mobile Vessel Shape		
Hypack Configuration		= Function (unsp	ec.) 💌	
		Information	Source	
		Position	GPS.DLL	
		Heading	GPS.DLL	
		Depth	(none)	
		Coordinates of Tra Starboard 0.00 Forward 0.00	acking Point	

W HYPACK Hardware - C:\HYPACK 2013a\projects\Pond\survey32.ini

