

## Trailing Suction Hopper Dredge "Glenn Edwards"



The newest dredge to the Manson Construction fleet is the "Glenn Edwards", having been christened in 2006. The "Glenn Edwards" is the largest trailing suction hopper dredge in the United States. Dredged material can be disposed of by either bottom-dumping through her bottom doors or by slurifying the load with her fluidization piping and pumping out over the bow.

Along with her enormous size and exceptionally large hopper capacity, this vessel features three azimuth drives which, along with her bow thruster, gives her 360° maneuverability. This makes her well suited to make quick work of harbors and channels.

The "Glenn Edwards" is equipped with state-of-the-art instrumentation for both positioning and production monitoring purposes.

Applications of the "Glenn Edwards" include, but are not limited to:

- Channel & Harbor Maintenance
- Upland Disposal
- Beach Nourishment

### Glenn Edwards Specifications

#### Dimensions

Length:  
390 ft / 118.9 m

Beam:  
76 ft / 23.16 m

Light Draft:  
15 ft / 4.57 m

Loaded Draft:  
28 ft / 8.53 m

Suction Diameter:  
38 in / 965 mm

Discharge Diameter:  
38 in / 965 mm

#### Performance

Hopper Capacity:  
13,500 yd<sup>3</sup> / 10,321 m<sup>3</sup>

Maximum Digging Depth:  
90 ft / 27.4 m

Sailing Speed Light:  
13 KT

Sailing Speed Loaded:  
11 KT

#### Power Data

Total Installed Power:  
12,000 hp / 8,951 kW

Fuel Capacity:  
200,000 gal / 787,000 l

