

Flat Top Ballastable Deck Barge

(Non-self-propelled, flush deck cargo barge)



Technical Specification Sheet

Vessel Type Flat Top Ballastable Deck Barge (Non-self-propelled, flush deck cargo barge)

Identification

- Flag : USA
- Year Built : 2005

Principal Dimensions

- Length Overall (LOA) : -----330 ft 0 in (100.61 m)
- Breadth (Moulded) : -----100 ft 0 in (30.48 m)
- Depth (Moulded) : -----20 ft 0 in (6.10 m)
- Clear Deck Working Area : ----- \approx 305 ft \times 92 ft (93 m \times 28.05 m)

Tonnage & Capacities

- Gross Register Tonnage (GRT) : -----4,814
- Net Register Tonnage (NRT) : -----1,441
- Approximate Deadweight : -----11,000 metric tons / 10,826 long tons
- Deck Cargo Capacity (uniform) : ----- \approx 11,000 metric tons (distributed)

Deck Loading Capacities (Factor of Safety = 4)

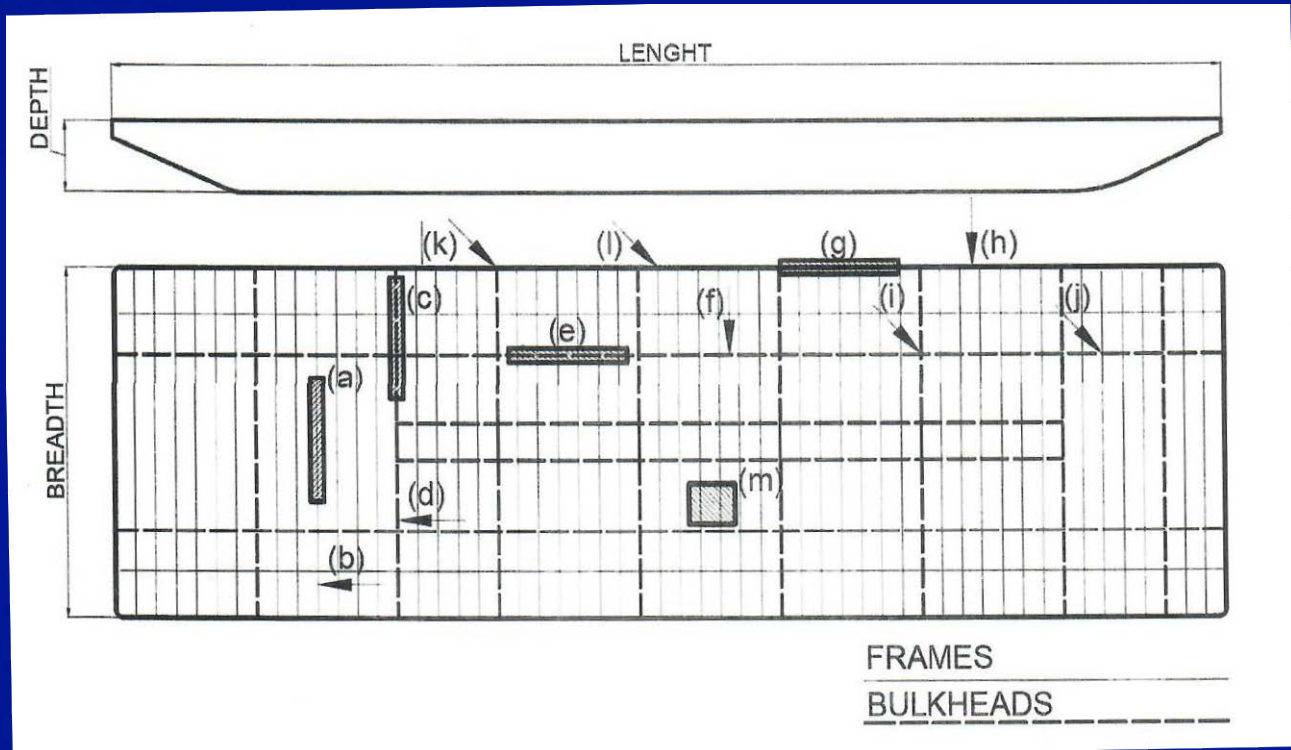
Structural Element	Uniform Linear Load		Point Load
Transverse Frames	19,465	lb/ft	123,675 lb
Transverse Bulkheads	70,996	lb/ft	889,968 lb
Longitudinal Bulkheads	15,356	lb/ft	320,152 lb
Side Shell	8,528	lb/ft	42,125 lb
Overall Deck – Uniform Distributed Load	—		3,000 lb/ft ² (\approx 14.65 t/m ²)
Transverse + Longitudinal Bulkheads (intersection)	—		758,310 lb
Transverse Frames + Longitudinal Bulkheads	—		299,672 lb
Transverse Bulkheads + Side Shell	—		611,929 lb
Transverse Frames + Side Shell	—		533,775 lb

Structural Arrangement

- Number of Transverse Bulkheads :----- 7
- Number of Longitudinal Bulkheads : ----- 3
- Total Compartments (ballast tanks): ----- 32
- WEB Longitudinal Frame Spacing : ----- 1.8 ft (0.55 m)
- WEB Transverse Frame Spacing : ----- 6 ft (1.83 m)
- Deck Construction : -----Flush deck with recess bollards

Additional Features & Outfit

- Bow Protection : -----12 ft (3.66 m) high breakwaters with storm rails
- Deck Access : -----Flush access ladder
- Fendering : -----Chain “pigtail” type; triangular tow plate
- Other : -----Salvage plugs in manhole covers
- Ballasting : -----Fully ballastable compartments for trim / stability adjustment



General Arrangement

