



Stability: Maximize Productivity, Ensure Safety

When modifications are made, it's important for owners to update stability calculations for a vessel. Modifications may place the vessel outside of the safety envelope defined by applicable stability criteria, placing life and cargo at risk.

EBDG routinely performs intact and damage stability analyses for any vessel, applying the appropriate criteria from IMO, USCG NVICs, 46 CFR and 33 CFR.

Using a computer model of the hull, weight calculations, and stability software, we can evaluate various loading conditions and can assess damage impacts such as grounding or compartment flooding. We have also installed onboard stability systems, providing our clients real time data, thus improving their cargo capacity and operational safety.

Among the stability services we provide include:

- Load line review
- Stability tests and deadweight surveys
- Trim and stability booklets
- Grounding analysis
- Oil spill response support
- Regulatory agency and USCG liaison

Our Stability Experience

**ALASKA VICTORY Towing
Stability Analysis**

Client: The Fishing Company of Alaska

**DC DANCER Incline Test &
Deadweight Survey**

Client: DeepCor Marine, Inc.

Barge-Crane Lift Stability

Client: Knight Construction & Supply

**216 ft. Deck Barge Stability &
Scantling**

Client: Gunderson Marine

And many, many more...

To learn more about how EBDG can assist with stability calculations for your vessels, contact us today.