

When not carrying crab pots, an equivalent amount of deck cargo may be carried. The amount of such cargo should not exceed the total weight or cargo height for crab pots in a similar loading. In general, keep all loads stowed as low in the vessel as practicable.

In the above table, Summer means non-icing conditions, and Winter means whenever icing conditions may be anticipated (north of 42. north latitude between November 15 and April 15.)

LIFTING WEIGHTS

DESTINATION's deck crane is a 42' telescoping knuckle crane, capacity 3000# at 42 feet. (Aurora Model 42KTNC3000.) In most conditions of loading, the maximum capacity of the crane may be utilized under calm conditions. However, when the freeboard amidship is less than about 1 foot, maximum lifts should be restricted to 700 pounds at the 42' extension, or 3000 pounds at 10 foot reach.

Caution should always be used when lifting heavy loads. Keep in mind that when a weight is lifted off the deck, the effect on stability is the same as if the weight were actually located at the tip of the boom. Lifts at sea under heavy or adverse conditions should be restricted to moving pots around -- up to 750 pounds each pick.

FREE SURFACES

Free surfaces due to slack liquids in holds, tanks, bilges, or on deck have the same effect as raising the center of gravity of the vessel. For this reason, free surfaces must be kept to a minimum at all times. For each of the loading conditions in this report, the maximum free surface effect for each of the tanks that may be slack are included in the calculations.

Port and starboard tank pairs may cause substantially higher free surface effects if cross-connections are left open. Although the effect may not be immediately noticeable, it could contribute to low stability in the event of an emergency -- a grounding, or uncontrolled flooding, for example. Therefore, keep all cross connections closed, especially while at sea. Keep bilges pumped to minimum content at all times.

Extreme care must be taken to ensure that empty RSW tanks *remain empty*, and that pressed full ones *remain pressed full*. Fill or empty only one hold at a time -- never allow more than one RSW hold to be slack at the same time.

ICING CONDITIONS

The ice buildup used in this report is in accordance with USCG regulations for operation in the Bering Sea (1.3" on all horizontal surfaces, and 0.65" on all vertical surfaces.) Larger accumulations can occur, however, and *all* icing situations should be treated seriously. Possible actions to take to reduce ice buildup are a change in speed or heading (to reduce spray), and physical removal of the ice.