

## **KN195-10 Physiological and Biochemical Characteristics of Krill**

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### Description:

Seasonal relationships between total length; wet and dry weight; and carbon content are examined for euphausiids sampled throughout the summer of 2009.

### **KN195-10 Length to Weight and Carbon Data**

Euphausiids were sampled from various net tows throughout KN195-10. Animals were sorted by sex and size (2mm size bins), and composited for carbon, calorie, and lipid measurements. In the laboratory, wet weights were obtained for matching size bin composites from both of the dominant Bering Sea krill species, *Thysanoessa inermis* and *Thysanoessa raschii*, and then refrozen at -70°C for lyophilization. Each freeze dried composite was homogenized before carbon and nitrogen measurement by standard combustion methods. Calories were measured from the same composites using a 1109 Parr semi-micro bomb calorimeter. For long term storage, the freeze dried composites were placed in a -70°C freezer in a bag containing Drierite. Due to a limited amount of total sample, the carbon and calorie data was only measured once. Also, since only some samples combined more than one composite, no error bars are noted on the graphs.