

## Tide Corrections

Tide correctors for this survey were provided by N/OMA12, based on 1985 data from Black Rock, Walrus Island, Bristol Bay, Alaska (946-5182). Soundings were rough plotted using the Project Instructions' predicted time and height correctors applied to Black Rock. These predicted tides proved to be inadequate as evidenced by inconsistencies observed when comparing mainscheme soundings with split and crossline soundings. After analyzing tide data from the Black Rock and Nushagak Peninsula gages, a supplementary gage was installed at Round Island for 7 days and one tide cycle was measured using the ship's echo sounder while the ship was anchored in order to formulate a more suitable corrector for the offshore area. The method for obtaining the new zoning is discussed in detail in the Field Tide Note. Soundings on the Final Field Sheet were plotted using the following correctors applied to Black Rock predictions.

<u>APPLICABLE AREA</u>	<u>TIME CORRECTION</u>		<u>HEIGHT RATIO</u>
	<u>HIGH WATER</u>	<u>LOW WATER</u>	
N of 58° 38.0'N	-7 min	-7 min	0.98
S of 58° 38.0'N	-7 min	-7 min	0.93