

INTRODUCTION

Multi-beam bathymetry systems record mean range and a time series of amplitude related to each beam. The amplitude is commonly called backscatter strength. This parameter is sensitive to the composition of the seabed and the angle of incidence of the beams. The backscatter strength is a function of the seabed composition, the angle of incidence of the beams, and the range of the beams. The backscatter strength is a function of the seabed composition, the angle of incidence of the beams, and the range of the beams. The backscatter strength is a function of the seabed composition, the angle of incidence of the beams, and the range of the beams.

METHODOLOGY

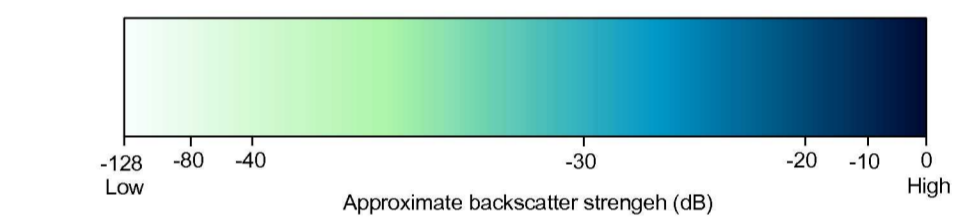
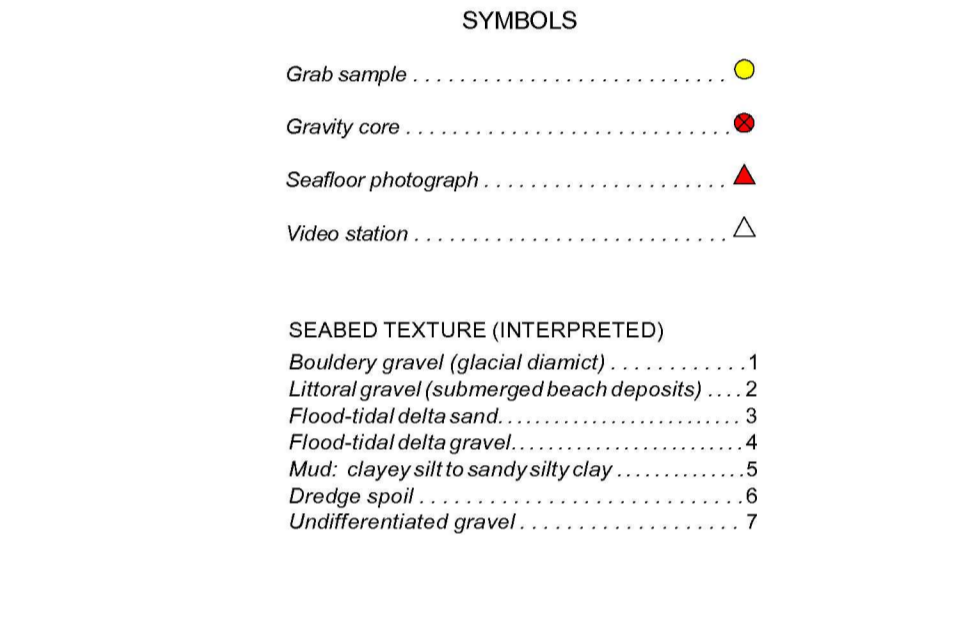
The bathymetry was derived from a series of high backscatter intensity backscatter images of the region. The bathymetry was derived from a series of high backscatter intensity backscatter images of the region. The bathymetry was derived from a series of high backscatter intensity backscatter images of the region. The bathymetry was derived from a series of high backscatter intensity backscatter images of the region. The bathymetry was derived from a series of high backscatter intensity backscatter images of the region.

ACKNOWLEDGMENTS

The Master and crew of the CGS Frederick G. Cowell was instrumental in the multi-beam bathymetry survey. The Master and crew of the CGS Frederick G. Cowell was instrumental in the multi-beam bathymetry survey. The Master and crew of the CGS Frederick G. Cowell was instrumental in the multi-beam bathymetry survey.

REFERENCES

- Crowell, F.G. and Shaw, J. 2000. Multi-beam bathymetry and backscatter strength mapping of the Great Bras d'Or, Nova Scotia, Canada. Geological Survey of Canada, Map 2199A, scale 1:500 000.



Map 2099A: BACKSCATTER STRENGTH AND SUN-ILLUMINATED SEAFLOOR TOPOGRAPHY. GREAT BRAS D'OR, CAPE BRETON ISLAND, NOVA SCOTIA. Scale 1:500 000. Includes a locator map of Nova Scotia.

Map 2099A: BACKSCATTER STRENGTH AND SUN-ILLUMINATED SEAFLOOR TOPOGRAPHY. GREAT BRAS D'OR, CAPE BRETON ISLAND, NOVA SCOTIA. Scale 1:500 000. Includes a scale bar and projection information.

Lighter tone (less area) from data compiled by Geomatics Canada, modified by GSC (AMK).

