



SECTION A - GENERAL

Data enhancement for the North East Furneaux Marine Seismic Survey was carried out by Party 854 in G.S.I.'s Sydney offices using the Texas Instruments TIAC* 827A-2 computer and TIDAR* Integrated Display System. All reflection data were processed with deconvolution before and after stack.

On receiving the reflection field data, all lines were gain recovered through the True Amplitude Recovery process. These gain recovered records were gathered into a common depth point form by the Pre-processing Module and output onto magnetic tape. Another output from this Module was 100% coverage Near Trace Gathers (NTG) of the trace nearest the boat. These gather were displayed and used in positioning and correlating velocity analyses along the line.

Velocity analyses were run at approximately 3 mile intervals to determine the R.M.S. velocity functions necessary to correct the data. Constant Velocity Gathers were run occasionally to help pinpoint very shallow velocity variations.

In general, the post-processing was not done until velocity functions for the area could be correlated together. The reference for co-ordinates of velocity functions was the surface. The velocity functions for each control point were converted by the post-processing routine to water bottom functions.

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