



SECTION II

STREAMER

The neutrally buoyant 6900' streamer (Plate C) employed throughout the prospect has 24 equally spaced 100 ft. long live sections. Each live section has 20 crystal detectors spaced at 4'10.5" intervals, the outputs of which yield one trace. Adjacent live sections, including groups 12 and 13 were separated by two dead sections each 100' long.

Initially there were 5 stretch sections and 1 dead section preceding group 24. On November 9 one stretch section was removed. The stretch sections contained nylon stress members to attenuate noise generated by the towing vessel. One dead section and one stretch section followed the last live section (group 1) and a tail buoy was attached to the end of the streamer by a nylon rope.

The streamer was ballasted to ride horizontally below wave action. A variable length of non-buoyant lead-in cable connected the streamer to the towing vessel. Streamlined weights were attached to the end of the lead-in cable. Under continuous tow, the streamer became hydrodynamically stable at a depth which is a function of its speed through the water, the length of the lead-in cable and the relative buoyancy along the streamer's length.

Six pressure sensitive depth transducers, spaced along the streamers length, displayed streamer depth readings in the range 0 to 100 feet. Readings were taken from meters in the strument room. Average streamer depth was 50 feet.

Digital recording was done with group 24 at the head end of the streamer.

Infrequently, traces reversed in polarity were discovered