

4. SURVEY METHODS AND PROCEDURES (Cont'd)

4.6 Digital Seismic System

4.6.3 Streamer

A Teledyne 24 channel model 178 high resolution seismic streamer was utilised. This consisted of :-

- deck cable
- 75m lead in
- 25 metre stretch section
- 12 active sections of 50 m length containing 2 groups each
- 3 depth indicators
- 4 depth controller birds
- 25 metre tail end stretch section
- Norwegian buoy tail buoy

(additional hardware consisting of lead in, stretch, 6 active sections, 2 depth indicators and 1 bird were on the survey vessel).

The system was deployed such that the distance from the stern to the centre of the near trace was 100 metres, giving a near trace to source offset of 80 metres.

The streamer utilises Teledyne T1 elements with 18 per group forming a linear array of length 19.58 metres. The quoted group sensitivity is 10.24 V/ Bar.

No water break detector was used, however, system geometry was checked from direct arrival times on the camera records. The time break was derived from a coil adjacent to the sparker units.