

EDUCATION, SCIENCE AND TRAINING

SENATE LEGISLATION COMMITTEE – QUESTIONS ON NOTICE 2003-2004 BUDGET ESTIMATES HEARING

Outcome: CSIRO
Output Group: CSIRO

DEST Question No. E104_04

Senator Carr asked on 4 June 2003.

Question:

- (a) Is the CRD currently operable, or is it scheduled to be repaired in Darwin?
- (b) Can you in fact confirm that the CTD winch is now out of action, and crew have been instructed not to operate it?
- (c) What specific repairs are required?
- (d) It has been commented that the CTD winch is misaligned and is insufficiently rigid to operate successfully. What is your comment on that?
- (e) If that is the case, why was this not revealed during sea trials?

Answer:

CSIRO has provided the following response.

Southern Surveyor – Winches – CTD Winch – Status

- (a) The CTD (Conductivity Temperature Depth) is an electronic instrument used to measure the temperature and salinity of the ocean. It is lowered by a dedicated CTD winch to create vertical profiles of ocean structure. The CTD instrument is fully operable, and thus does not require repairs in Darwin.
- (b) The CTD winch has 2 drums, each with over 7,000m of CTD cable. The forward drum is currently operable, the aft drum is not operable (see response to DEST Question No. E103_04 (a) (ii)) and crew have been instructed not to use it. The CTD winch is scheduled to be repaired in Darwin.
- (c) The CTD winch requires repairs to the winch motor, to the forward drum spooling gear and to the outer support bearings.
- (d) It appears that the CTD winch drums have become misaligned; so far it has not been possible to determine why.
- (e) The drums were in alignment during the sea trials.