

**SBCLTER - OCEAN  
SCANFISH**  
2003-04-04, Margaret O'Brien

The Cheslea Scanfish from the University of Rhode Island is used on all LTER cruises in the Santa Barbara Channel. The information below was taken from <http://techserv.gso.uri.edu/ScienceInstrumentation.asp#ScanFish>

### Cheslea ScanFish

GMI [ScanFish \(Mk II\)](#) is a towed, undulating wing incorporating a pumped and ducted SBE911+ CTD. It provides continuous along track sampling as deep as 180 meters at speeds up to 10 knots. The Sea-Bird SBE11 deck unit 9600 baud communication link is enabled.

Available sensors:

- Temperature -- [SBE model 3](#)
- Conductivity -- [SBE model 4](#)
- Dissolved Oxygen -- [SBE model 43](#)
- Fluorometer -- [Wet Labs WETStar flow through](#)
- Transmissometer -- [Wet Labs C-Star 25-cm](#)
- An investigator supplied Optical Plankton Counter (OPC) can be integrated into the ScanFish system with sufficient lead time.

Processing (this section in progress):

Files supplied by scanfish tech:

Format:

Processing steps at UCSB

- 1.
- 2.
- 3.