



WOODS HOLE OCEANOGRAPHIC INSTITUTION

September 5, 2006

Dr. David M. Harwood
Director of Research
ANDRILL Science Management Office
126 Bessey Hall, University of Nebraska-Lincoln
Lincoln, NE 68588-0341
Office: 402-472-6745 Fax: 402-472-6724
<http://andrill.org>; ddharwood1@unl.edu

Dear David,

Statement of Work: In response to your request, Richard Limeburner and I propose to help you gather current meter data at the ANDRILL SMS project drill site (77.75° S, 165.49° W; water depth ~ 520 m) site this fall. In particular, we will obtain and prepare the instruments (one RDI 300 kHz broad-band Workhorse ADCP and six Nortek 6000-m Aquadopp current meters), design the ice-tethered mooring and obtain the necessary mooring components, and help send the equipment to Christchurch (NZ) prior to the October 10 start of the field work. Dick will join your field party in Christchurch, fly to McMurdo Station, help deploy the mooring at the nearby SMS drill site, and then return about October 25. He will return to McMurdo Station with your field party in late November, help recover the mooring, download the data and prepare the instruments for shipping back to WHOI, and begin processing the data. Final data processing and interpretation will be completed in December by us and a report summarizing the work submitted to you at that time.

Budget Justification: The proposed budget includes salary support for Richard Limeburner to assemble and prepare the necessary equipment and supplies in preparation for the field work, participate in the two trips to McMurdo Station to deploy and recover the instrumented mooring, and then debrief the instruments and process the data. Robert Beardsley will assist Limeburner complete the data analysis and preparation of a report summarizing the work at no cost to this project.

Support is requested to cover foreign per-diem costs incurred in New Zealand during transit to McMurdo Station. Other direct costs include mooring supplies (mooring lines, bottom weights, portable A-frame tripod for deployment through the ice, mooring hardware, instrument batteries, mounting brackets for the Aquadopp current meters, insurance for the instruments, shipping, communications, and medical exams.

Sincerely,

Robert Beardsley and Richard Limeburner

Attached: Budget