

Continental crustal structure and evolution of the Enderby Land, East Antarctica, from several geophysical evidence.

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Several geophysical surveys have been performed in Western Enderby Land, East Antarctica, by the program entitled "Structure and Evolution of the East Antarctic Lithosphere (SEAL Project)". First, details of geological surveys are carried out in the Amundsen Bay Region. Second, seismic explosion experiments are planned to be held on the Mizuho Plateau icesheet in the Lutzow-Holm Bay region in 1999. Finally, a proposed large-scale seismic experiment across the geological boundary between the Napier and the Rayner Complexes was determined to face operational difficulties and will be discussed laterly in relation to future plans of JARE. This report particularly focuses on structure and evolution by the program for seismic explosion experiments in the Antarctic region.