This data repository contains findings from bottom trawl dredging by the FV *Southern Champion* voyageSC26 (April−May 2003). Dredging was performed as a component of benthic fisheries surveys in key areas within the Heard Island Macquarie Island fishery. Rock material collected by the dredging was initially stored at the Australian Antarctic Division (AAD) headquarters in Kingston, Tasmania. In 2006 the rock samples were relocated (coordinated by AAD personal) to the University of Tasmania for scientific research by Prof. Pat Quilty and Dr. Trevor Falloon. This research, which is documented within this data repository, includes petrography of the dredged rocks (thin section scans and backscatter electron scans of mounted rock chips), whole rock XRF and ICP-MS, as well as zircon U-Pb dating.

Dredging recovered pebble to cobble sized pieces of basaltic volcanic rocks, subaerial tuff, volcaniclastic sediments, marine nano/foram oozes, plutonic rocks, granites and gneisses. A preliminary report on the sedimentary rocks is included within this dataset (‘Pat Quilty preliminary report on benthic dredges’) and the basaltic volcanic rocks are described in detail in Duncan et al., (2016). Further research is underway to characterise the granites and gneisses as part of a PhD project facilitated by the Institute for Marine and Antarctic Studies (IMAS), University of Tasmania. The metadata record will be updated to reflect further publication related to this dataset.

**References**

Duncan, R.A., Falloon, T.J., Quilty, P.G., Coffin, M.F., 2016a. Widespread Neogene volcanism on Central Kerguelen Plateau. Australian Journal of Earth Sciences 63, 379–392. https://doi.org/10.1080/08120099.2016.1221857