

Geological field survey in the regions of Lützow-Holm Bay, Prince Olav Coast and Enderby Land, 2018-2019 (JARE-60)

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The 60th Japanese Antarctic Research Expedition (JARE-60) conducted geological field surveys in the regions of Lützow-Holm Bay, Prince Olav Coast and Enderby Land during the 2018-2019 austral summer season. The field party consisted of four Japanese geologists. Our geological surveys covered the regions of Lützow-Holm Bay, Prince Olav Coast and Enderby Land of which consisted of the Lützow-Holm Complex and the Napier Complex. The Lützow-Holm Complex is the main survey area; we surveyed 13 outcrops: Botnnuten, Rundvågshetta, Skallevikshalsen, Skallen, Skarvsnes, Honnör Oku-iwa Rock, Langhovde, Ongul Islands, Oku-iwa Rock, Gobanme Rock, Byôbu Rock and Niban Rock (Niban-higashi and Niban-nishi Rocks). In JARE-60, the advance team consisting of two geologists was specially organized to investigate minutely a possibility of unit boundaries in Ongul Islands. We also conducted the first geological survey as JARE at 2 localities of the Napier Complex: Gage Ridge and Mount Sones. We will preliminarily report some features of field observation and structural geology of high-grade metamorphic rocks from these regions.