Magnetic properties of sediment taken from the lakes along the Soya Coast, Antarctica – mainly sediment from Lake Maruwannminami

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Neither in the ocean where sea ice covers in the Antarctic Ocean, nor the lake in Antarctica, most paleomagnetic and/or rock magnetic researches by using the sediment were performed. Although some researches were performed about the lake sediment in Antarctica, research on magnetic character is not performed. In the beach around the Showa base, upheaval by the rebound of a postglacial age is presumed broadly, and it is interesting about how it has influenced the magnetic characteristic of a sediment.

This lecture reports the feature of magnetic susceptibility of the sediment and the magnetic character of the Lake Maruwanminami cores which were extracted during JARE 46 wintering party's activity period (2004. 12 to 2006.1).