

Introduction to guide

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The presented area covers western borders of Recherche Fiord from the spit in Josephbukta to Skilvika (Fig. 1). The main elements are there: extensive plain (Calypsostranda) made by the system of raised marine terraces and the forefield of Renard and Scott Glaciers. The whole makes unique and picturesque tundra landscape, extremely interesting from cognitive and scientific points of view.

The aim of first two points of the terrain session (points: 1, 2/2A) is to show the evolution of marginal zone and stages of fluctuations (advance and recession) of Renard Glacier and its influence on transformation of the shore on the base of geomorphological and archaeological studies. At the next point (3) the issues of periglacial phenomena and monitor-

ing of dynamics of active layer of permafrost are going to be shown. A break and a short rest will be expected at Polar Station of M.C. Skłodowska University in Calypsobyen (point 4). It will also be a chance to acquaint with a history of that place, its present function and scientific programmes. The point 5 is connected with glacial issues of the Scott Glacier, which is much smaller than the Renard Glacier. At the last two points of the terrain session, it is expected to be presented the issues related to Late Weichselian and Holocene morphogenesis of Calypsostranda (point 6), with the special attention paid on conversion of shore zone at the historical time and present (point 6A).

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