

THE RELATION BETWEEN THE SPATIAL STRUCTURE OF THE HYDROTHERMAL PROCESS AND DISTRIBUTION OF *POTENTILLA STOLONIFERA* CENOSIS ON THERMAL FIELDS OF THE PAUZHETKA AND BOLSHE-BANNY HYDROTHERMAL SYSTEMS (SOUTHERN KAMCHATKA)

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The author studied the distribution of *Potentilla stolonifera* cenosis on thermal fields within two (Pauzhetka and Bolshe-Banny) hydrothermal systems of South Kamchatka. The study revealed that similar phytocoenosis of *Potentilla stolonifera* cenosis show similar heat gradation of hydrothermal process in the zone of both hydrothermal systems. The author concludes that the cenosis are mainly confined to warm habitats with average heat anomaly value of 23.1–11.6°C. The relation between distribution of *Potentilla stolonifera* cenosis and the spatial structure of hydrothermal process was traced.

Keywords: hydrothermal system, thermal field, Potentilla stolonifera, Kamchatka.