

Radiocarbon ages of the hot springs, the source of Inubohsaki Onsen

*Satoko Tezuka¹, Yuji Yamashita¹, Tetsuji Hirao¹

1. Chiba Institute of science

In this study, tritium (^3H) and radiocarbon (^{14}C) ages were carried out for sources of three hot springs, Inubohsaki Hotel "Kuroshio-no-yu", Inubohsaki Kanko Hotel "Shio-no-yu", and Taiyo-no-sato "Byobugaura Onsen", in order to elucidate their groundwater ages. From the ^3H concentration, three sources of Inubohsaki Onsen were old groundwater with a residence time of over 60 years. Furthermore, the ^{14}C concentration measurement indicated that the net ^{14}C ages were from 10,000 to 22,000 yrs BP.

Keywords: Radiocarbon age, Hot spring