

The Horonobe Underground Research Laboratory Project Hydrochemical property of groundwater in the Neogene sedimentary rocks

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The hydrochemical characterization of the groundwater in the Neogene sedimentary rocks was carried out as a part of the Horonobe Underground Research Laboratory Project. Both vertical and horizontal salinity distributions were recognized. Generally, groundwater samples taken from shallower regions are fresh and Na-HCO₃ dominated, while those from greater depths are all Na-Cl dominated. The geomicrobial study was also carried out in order to understand the role of microbe on the hydrochemical property of groundwater.