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The characteristics of the water formation seen from water quality map of Nara basin and the circumference river

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Four drainage systems of the Yamato River, the Yodo River, the Kino River and the Shingu River are in Nara Prefecture. We selected 50 places as an investigation point from the Yamato River and the Kino River drainage system located in the northern part from the central part of Nara Prefecture, and carried out water investigation. The analysis item is the main cation, anion of the river water and the strontium isotope of the river water and the sediment. We made the water quality map, and cleared it about the process of the water formation and the characteristics in relation to the water-geology, the water-creature, and so on from these results.

Keywords: water formation, water quality map