
HQR011-07

Room: Exhibition hall 7 subroom 3

Time: May 28 10:45-11:00

Borehole log database and shallow-level geologic model in the Niigata plain area

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The construction of the data base with high density borehole log data is an important theme in order to reconstruct a detailed spatial distribution of layer thickness and lithofacies. The borehole log database covering the Niigata Plain and the surrounding area has been constructed in two years of fiscal year 2008 and 2009. As a result, the borehole data of about 10,000 points in total have been registered in the database. These data were offered from the Hokuriku ground information conference(7900 points), the Niigata Prefectural government(1500 points) and the Niigata City government (500 points), respectively. All the data offered from the Niigata Prefectural and the Niigata City offices have been digitized by the xml form in this time. Based on the database, three boundary surfaces of the basal plane of the Chuseki-so, upper boundary surface of the lower sandy river system and the basal surface of the upper river system have been evaluated to get three-dimensional surface model. The detailed result will be presented in the conference.

Keywords: Niigata Plain, Chuseki-so, Borehole data, database