

Miscellaneous Map Series, no.40,

Integral research and application of the subsurface geology "the central Kanto Plain"

This CD contains research reports and geoinformation maps for sediment coring and boring, seismic reflection survey, 3D modelling of a shallow-level subsurface structure based on borehole database, simulating study of earthquake intensity, indoor experiment of the geoengineering, and other geophysical surveys.

This CD contains maps and documents listed below. They can be seen by starting [index_e.html](#).

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Process of the Urban Geology Research Project by K. Kimura

Study area map

(1) Sequence stratigraphy and paleogeography of the Alluvium in the Tokyo and Nakagawa Lowlands, Kanto Plain, central Japan, by S. Tanabe, T. Nakanishi, Y. Ishihara, Y. Miyachi and R. Nakashima

(2) Basal topography of the latest Pleistocene — Holocene valley fills under the Arakawa Lowland, Nakagawa Lowland and Tokyo Lowland, central Japan, by J. Komatsubara

(3) Shallow-level subsurface three-dimensional geological modelling based on analysis of borehole data : A case of the northern Tokyo and the southern Naka-gawa lowland area, by K. Kimura, Y. Hanashima, S. Nishiyama and Y. Ishihara <Appendix data>

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- (9) Gravity map in the Kakinoki area of Soka, Saitama, by M. Komazawa
- (10) Catalog of standard boring core samples in the central Kanto Plain, Japan, by T. Ishihara

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Data Format and System Requirements

Data Format: The reports and appendix data are in PDF, CSV and KMZ format. To browse those files Adobe Reader and appropriate software are required to be installed.

Operating Systems: Windows and Macintosh platforms that are capable of running the application mentioned above properly.

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For References

【For CD as a whole】

Kimura, K., Mizuno, K., Komatsubara, J. and Ozaki, M. eds. (2014) Integral research and application of the subsurface geology "the central Kanto Plain". Miscellaneous Map Series, no.40 (CD), Geological Survey of Japan, AIST, 271p.

【For each contents】

Kimura, K. (2014) Process of the Urban Geology Research Project. In Integral research and application of the subsurface geology "the central Kanto Plain", Miscellaneous Map Series, no.40 (CD), Geological Survey of Japan, AIST, 1-7.

Tanabe, S., Nakanishi, T., Ishihara, T., Miyachi, Y. Nakashima, R. (2014) Sequence stratigraphy and paleogeography of the Alluvium in the Tokyo and Nakagawa Lowlands, Kanto Plain, central Japan. In Integral research and application of the subsurface geology "the central Kanto Plain" , Miscellaneous Map Series, no.40 (CD), Geological Survey of Japan, AIST, 8-50.

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Yamaguchi, K., Ito, S., Kano, N., Yokokura, T., Sumita, T., Ohtaki, T. and Makino, M. (2014) Shallow subsurface structure in the central Kanto plain by seismic reflection surveys. In Integral research and application of the subsurface geology "the central Kanto Plain" , Miscellaneous Map Series, no.40 (CD), Geological Survey of Japan, AIST, 204-230.

Yasuhara, M., Inamura, A., Morikawa, N., Takahashi, M., Suzuki, H., Gingerich, S.B., Takahashi, H., K., Kazahaya, K., Ohwada, M., Tosaki, Y., Makino, M., Hayashi, T., Miyakoshi, A., Suzuki, Y., Yabusaki, S. and Miyashita, Y. (2014) Groundwater system in the central Kanto Plain. In Integral research and application of the subsurface geology "the central Kanto Plain" , Miscellaneous Map Series, no.40 (CD), Geological Survey of Japan, AIST, 231-254.

Komazawa, M. (2014) Gravity map in the Kakinoki area of Soka, Saitama. In Integral research and application of the subsurface geology "the central Kanto Plain" , Miscellaneous Map Series, no.40 (CD), Geological Survey of Japan, AIST, 255-259.

Ishihara, T. (2014) Catalog of standard boring core samples in the central Kanto Plain, Japan. In Integral research and application of the subsurface geology "the central Kanto Plain" , Miscellaneous Map Series, no.40 (CD), Geological Survey of Japan, AIST, 260-271.