

Seamless geoinformation of coastal zone “Coastal zone around Niigata”

Seamless geoinformation of coastal zone “Coastal zone around Niigata” contains results of geological and geophysical surveys and study results which have been conducted by the collaboration of the research units under the Geological Survey of Japan and supported by a special program “Geological study of coastal zone” in 2008 and 2009.

Contents

index_e.txt

Preface by Y. Okamura

Study area map

- (1) 1:200,000 Marine geological map along the coastal zone around Niigata with explanatory notes, by T. Inoue, H. Kimura and Y. Okamura
- (2) Sedimentary environmental changes during the Pleistocene to Holocene based on sediments and seismic profiles off the Echigo Plain, by A. Amano, T. Inoue and K. Ikehara
- (3) Geological structure of the Alluvium along the coastal zone of the Echigo Plain, by Y. Miyachi, A. Urabe, S. Tanabe, S. Yasui, T. Inazaki, Y. Kamoi, and T. Nakanishi
- (4) Activity of the Kakuda-Yahiko fault in the Echigo Plain, Takenomachi area, Niigata, central Japan, by A. Urabe, Y. Miyachi, T. Inazaki and K. Kagohara
- (5) Near-surface deformation structure of the Kakuda-Yahiko fault at Yotsu-goya and Akatsuka districts, Niigata City delineated by Land Streamer seismic reflection surveying, by T. Inazaki, Y. Miyachi, A. Urabe and K. Kagohara
- (6) Seismic reflection profiles around the south-west Niigata coastal area, by K. Kagohara, N. Kano, K. Yamaguchi, T. Yokota, T. Sumita, T. Ohtaki, S. Ito, T. Yokokura, T. Inazaki, Y. Miyachi and A. Urabe
- (7) Array microtremor surveys in the Echigo plain, Niigata Prefecture, central Japan, by H. Horikawa, T. Sugiyama, S. Feng and T. Tokumaru
- (8) Holocene emerged shoreline topography along the western coast of the Yahiko Mountains and Budo Mountains, Niigata district, central Japan, by T. Komatsubara and Y. Miyachi
- (9) Stratigraphic model of the incised valley-fill sediments based on borehole log database in the Echigo plain, central Japan, by A. Funabiki, Y. Miyachi and K. Kimura
- (10) 1:200,000 Geological map of the coastal zone around Niigata district with explanatory notes, by K. Takeuchi, M. Ozaki and T. Komatsubara
- (11) Hydrogeological environment in the Echigo Plain, by Y. Uchida, A. Marui, I. Machida, A. Miyakoshi, R. Ikawa, M. Koshigai and T. Yoshizawa
- (12) 1:200,000 Gravity map of the coastal zone around Niigata district (Bouguer Anomalies) with explanatory notes, by M. Komazawa
- (13) 1:200,000 Aeromagnetic map of the coastal zone around Niigata (Total magnetic Intensity) with explanatory notes, by S. Okuma and T. Nakatsuka
- (14) Deformation structure and its activity of the Kakuda-Yahiko Fault to Yotsugoya-oki anticline, western margin of the Echigo Plain, central Japan, by Y. Miyachi, A. Urabe, S. Tanabe, S. Yasui, T. Nakanishi, T. Inazaki, K. Kagohara, T. Komatsubara, K. Mizuno, T. Inoue, A. Amano and Y. Okamura
- (15) Stratigraphic correlation of the alluvium beds in the onland and offshore area of the Echigo Plain, by Y. Miyachi, A. Funabiki, K. Kagohara, T. Inoue, A. Amano, A. Urabe and Y. Okamura
- (16) 1:200,000 Seamless geological map of the coastal zone around Niigata, by T. Inoue, H. Kimura, Y. Okamura, Y. Miyachi, A. Funabiki, K. Kagohara, T. Inoue, A. Amano, A. Urabe, K. Takeuchi, M. Ozaki and T. Komatsubara
- (17) 1:200,000 Geological map with gravity contours of the coastal zone around Niigata, by M. Komazawa, T. Inoue, H. Kimura, Y. Okamura, Y. Miyachi, A. Funabiki, K. Kagohara, T. Inoue, A. Amano, A. Urabe, K. Takeuchi, M. Ozaki and T. Komatsubara

(18) 1:200,000 Geological map with aeromagnetic map contours of the coastal zone around Niigata, by S. Okuma, T. Nakatsuka, T. Inoue, H. Kimura, Y. Okamura, Y. Miyachi, A. Funabiki, K. Kagohara, A. Amano, A. Urabe, K. Takeuchi, M. Ozaki and T. Komatsubara

Acknowledgements

This issue was prepared by supports of people listed below.

Review of manuscripts: A. Nshimura, Y. Yanagisawa, N. Kano, M. Makino, T. Komatsubara, M. Shishikura, I. Chou, S. Tanabe

GIS data processing: J. Miyazaki

Raster data processing: S. Kawabata

Procedure of geographical data publication: K. Nakajima

Editing pdf files: A. Kurosaka

Editing HTML files: Y. Satou

Cover and case design: A. Shima, M. Ozaki

Data Format and System Requirements

The maps and their explanatory notes in PDF and HTML format can be browsed with Adobe Reader or web browser.

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

Published by the Geological Survey of Japan, AIST.

1-1 Higashi 1-chome, Tsukuba, Ibaraki, 305-8567, Japan

Fax: +81-29-861-3602, E-mail: geoinfo@m.aist.go.jp

©2011 Geological Survey of Japan, AIST

All rights reserved.

For References

【For DVD-ROM as a whole】

Okamura, Y., Miyachi, Y., Inoue, T., Amano, A., Kagohara, K., Funabiki, A., Urabe, A., Uchida, Y., Inazaki T., Komazawa, M., Okuma, S., Horikawa, H., Komatsubara, T. and Takeuchi, K. (2011) Seamless geoinformation of coastal zone, "Coastal zone around Niigata", Digital Geological Map S-2, Geological Survey of Japan, AIST.

【For each contents】

Inoue, T., Kimura, H. and Okamura, Y. (2011) 1:200,000 marine geological map along the coastal zone around Niigata with explanatory notes. In Seamless geoinformation of coastal zone, "Coastal zone around Niigata", Digital Geological Map S-2, Geological Survey of Japan, AIST.

Amano, A., Inoue, T. and Ikehara, K. (2011) Sedimentary environmental changes during the Pleistocene to Holocene based on sediments and seismic profiles off the Echigo Plain. In Seamless geoinformation of coastal zone, "Coastal zone around Niigata", Digital Geological Map S-2, Geological Survey of Japan, AIST.

Miyachi, Y., Urabe, A., Tanabe, S., Yasui, S., Inazaki, T., Kamoi, Y. and Nakanishi, T. (2011) Geological structure of the Alluvium along the coastal zone of the Echigo Plain. In Seamless geoinformation of coastal zone, "Coastal zone around Niigata", Digital Geological Map S-2, Geological Survey of Japan, AIST.

Urabe, A., Miyachi, Y., Inazaki, T. and Kagohara, K. (2011) Activity of the Kakuda-Yahiko fault in the Echigo Plain, Takenomachi area, Niigata, central Japan. In Seamless geoinformation of coastal zone, "Coastal zone around Niigata", Digital Geological Map S-2, Geological Survey of Japan, AIST.

- Inazaki, T., Miyachi, Y., Urabe, A. and Kagohara, K. (2011) Near-surface deformation structure of the Kakuda-Yahiko fault at Yotsu-goya and Akatsuka districts, Niigata City delineated by Land Streamer seismic reflection surveying. In Seamless geoinformation of coastal zone, "Coastal zone around Niigata", Digital Geological Map S-2, Geological Survey of Japan, AIST.
- Kagohara, K., Kano, N., Yamaguchi, K., Yokota, T., Sumita, T., Ohtaki, T., Ito, S., Yokokura, T., Inazaki T., Miyachi, Y. and Urabe, A. (2011) Seismic reflection profiles around the south-west Niigata coastal area. In Seamless geoinformation of coastal zone, "Coastal zone around Niigata", Digital Geological Map S-2, Geological Survey of Japan, AIST.
- Horikawa, H., Sugiyama, T., Feng, S. and Tokumaru, T. (2011) Array microtremor surveys in the Echigo plain, Niigata Prefecture, central Japan. In Seamless geoinformation of coastal zone, "Coastal zone around Niigata", Digital Geological Map S-2, Geological Survey of Japan, AIST.
- Komatsubara, T. and Miyachi, Y. (2011) Holocene emerged shoreline topography along the western coast of the Yahiko Mountains and Budo Mountains, Niigata district, central Japan. In Seamless geoinformation of coastal zone, "Coastal zone around Niigata", Digital Geological Map S-2, Geological Survey of Japan, AIST.
- Funabiki, A., Miyachi, Y. and Kimura, K. (2011) Stratigraphic model of the incised valley-fill sediments based on borehole log database in the Echigo plain, central Japan. In Seamless geoinformation of coastal zone, "Coastal zone around Niigata", Digital Geological Map S-2, Geological Survey of Japan, AIST.
- Takeuchi, K., Ozaki, M. and Komatsubara, T. (2011) 1:200,000 Geological map of the coastal zone around Niigata with explanatory notes. In Seamless geoinformation of coastal zone, "Coastal zone around Niigata", Digital Geological Map S-2, Geological Survey of Japan, AIST.
- Uchida, Y., Marui, A., Machida, I., Miyakoshi, A., Ikawa, R., Koshigai, M. and Yoshizawa, T. (2011) Hydrogeological environment in the Echigo Plain. In Seamless geoinformation of coastal zone, "Coastal zone around Niigata", Digital Geological Map S-2, Geological Survey of Japan, AIST.
- Komazawa, M. (2011) 1:200,000 Gravity map of the coastal zone around Niigata (Bouguer Anomalies) with explanatory notes. In Seamless geoinformation of coastal zone, "Coastal zone around Niigata", Digital Geological Map S-2, Geological Survey of Japan, AIST.
- Okuma, S. and Nakatsuka, T. (2011) 1:200,000 Aeromagnetic map of the coastal zone around Niigata (Total magnetic Intensity) with explanatory notes. In Seamless geoinformation of coastal zone, "Coastal zone around Niigata", Digital Geological Map S-2, Geological Survey of Japan, AIST.
- Miyachi, Y., Urabe, A., Tanabe, S., Yasui, S., Nakanishi, T., Inazaki, T., Kagohara, K., Komatsubara, T., Mizuno, K., Inoue, T., Amano, A. and Okamura, Y. (2011) Deformation structure and its activity of the Kakuda-Yahiko Fault to Yotsugoya-oki anticline, western margin of the Echigo Plain, central Japan. In Seamless geoinformation of coastal zone, "Coastal zone around Niigata", Digital Geological Map S-2, Geological Survey of Japan, AIST.
- Miyachi, Y., Funabiki, A., Kagohara, K., Inoue, T., Amano, A., Urabe, A. and Okamura, Y. (2011) Stratigraphic correlation of the alluvium beds in the onland and offshore area of the Echigo Plain. In Seamless geoinformation of coastal zone, "Coastal zone around Niigata", Digital Geological Map S-2, Geological Survey of Japan, AIST.
- Inoue, T., Kimura, H., Okamura, Y., Miyachi, Y., Funabiki, A., Kagohara, K., Amano, A., Urabe, A., Takeuchi, K., Ozaki, M. and Komatsubara, T. (2011) 1:200,000 Seamless geological map of the coastal zone around Niigata. In Seamless geoinformation of coastal zone, "Coastal zone around Niigata", Digital Geological Map S-2, Geological Survey of Japan, AIST.
- Komazawa, M., Inoue, T., Kimura, H., Okamura, Y., Miyachi, Y., Funabiki, A., Kagohara, K., Amano, A., Urabe, A., Takeuchi, K., Ozaki, M. and Komatsubara, T. (2011) 1: 200,000 Geological map with gravity contours of coastal zone around Niigata. In Seamless geoinformation of the coastal zone, "Coastal zone around Niigata", Digital Geological Map S-2, Geological Survey of Japan, AIST.
- Okuma, S., Nakatsuka, T., Inoue, T., Kimura, H., Okamura, Y., Miyachi, Y., Funabiki, A., Kagohara, K.,

Amano, A., Urabe, A., Takeuchi, K., Ozaki, M. and Komatsubara, T. (2011) 1:200,000 Geological map with aeromagnetic contours of the coastal zone of Niigata. In Seamless geoinformation of coastal zone, "Coastal zone around Niigata", Digital Geological Map S-2, Geological Survey of Japan, AIST.