

Appendix 1. Photograph showing linear alignment of tectonic blocks of the Mineoka Belt (Stop 2).

Appendix 2. Geological map showing distribution of the faultzone of the Mineoka Belt, where serpentinites and other ophiolitic rocks are exposed linearly (Takahashi et al., 2012). Note: 1 = Main ridgeline of the Mineoka Mountains, 2 = northern Atagoyama Fault Zone (FZ), 3 = Heguri–Saruzukayama FZ, 4 = Umanose FZ, 5 = Oyama FZ, 6 = Heguri–Toge FZ, 7 = Nishiyatsu–Takada FZ, 8 = Sorogawa FZ (South Zone), 9 = Kobata–Surusumori FZ (South Zone), 10 = Okuyama–Homyo FZ, 11 = Nakasakuma FZ (West Zone), 12 = Shimosakuma FZ (West Zone), 13 = Nemoto–Okatabira FZ, and 14 = Takasaki FZ.

Appendix 3. Schematic illustration of possible tectonic structures around the Hayama and Mineoka belts during the early Miocene and Recent (Takahashi et al., 2012).

Appendix 4. Field photograph of an outcrop of basaltic pillow lavas at the Kamogawa-seinen-no-ie in the Mineoka Belt (Stop 1).

Appendix 5. Photomicrograph of basaltic pillow lava at the Kamogawa-seinen-no-ie in the Mineoka Belt (Stop 1) in crosspolarized light. The scale bar is 0.5 mm in length.

Appendix 6. Table showing representative bulk chemical compositions of basaltic rocks from the Hayama and Mineoka belts and related strata.

Appendix 7. Compositional variation diagrams showing geochemical characteristics of the basaltic rocks in the Mineoka Belt. A) Relationship between SiO<sub>2</sub> and total alkali contents. B) Relationship between FeO\*/MgO and TiO<sub>2</sub> contents. C) Relationship between TiO<sub>2</sub>, MnO, and P<sub>2</sub>O<sub>5</sub> contents.

Appendix 8. Sketch map showing the distribution of rock types around the Kamogawa fish port (Stop 2), modified after the Science Club of Kamogawa Junior High School (1968).

Appendix 9. Photomicrograph of serpentinite from Takishita (Stop 3) in plane-polarized light. The scale bar is 0.5 mm in length. Note: cpx = clinopyroxene, opx = orthopyroxene, and

sp = chrome spinel.

Appendix 10. Field photograph of an outcrop of thinly bedded mudstone of the Hatcho Formation at Hatcho, near the type location of the formation.

Appendix 11. Stratigraphic cross-section of the alkali basalt to clastic rock sequence in the Heguri area (Stop 5; Takahashi, 1994).

Appendix 12. Photomicrograph of alkali basalt from the Heguri area (Stop 5) in cross-polarized light. The scale bar is 0.5 mm in length. Note: Cpx = clinopyroxene.

Appendix 13. Geological map of the area surrounding Tago in the west of the Mineoka Belt, showing the location of Stop 6 (modified after Takahashi, 1997).

Appendix 14. Field photographs. A) Kitatake Fault crush zone (Stop 7) with boulders of ultramafic rock, basalt, gabbro, limestone, and mudstone. B) Fault gouge in the Kitatake Fault crush zone.

Appendix 15. Sketch of the “Miura Peninsula Pillow Lava” (Stop 8). Solid black areas indicate the chilled margins of the lava. The dotted area has been covered by concrete.

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after Kimura et al. (1976).

Appendix 16. Field photograph of a general view of the “Miura Peninsula Pillow Lava” (Stop 8).

Appendix 17. Photomicrograph of “Miura Peninsula Pillow Lava” (Stop 8) in plane-polarized light. The scale bar is 0.5 mm in length. Note: ol = olivine that is altered to calcite.

Appendix 18. Field photographs of the Tateishi Tuff Member at Tateishi (Stop 10). A) A panoramic view of Tateishi. B) Mio–Pliocene Zushi Formation unconformably overlying the Tateishi Tuff Member.

Appendix 19. Photomicrograph showing dark greenish tuff in the Tateishi Tuff Member (Stop 10) in plane-polarized light. The scale bar is 0.5 mm in length. Note: Cpx =

clinopyroxene, Pl = plagioclase, and Gl = volcanic glass.

Appendix 20. Field photograph showing a sandstone dike intruded into the alternating beds of tuffaceous fine-grained sandstone and hard mudstone of the Morito Formation, Hayama Group on the western coast near Morito Shrine (Stop 11).

Appendix 21. Field photograph showing an outcrop of the Tagoegawa Unconformity (Stop 12) at Zushi–Sakurayama, which was taken in 1993 (from Hirata et al., 2012).

Appendix 22. Geological section of an outcrop of the Tagoegawa Unconformity (Stop 12) at Zushi–Sakurayama (from Koizumi et al., 1994).