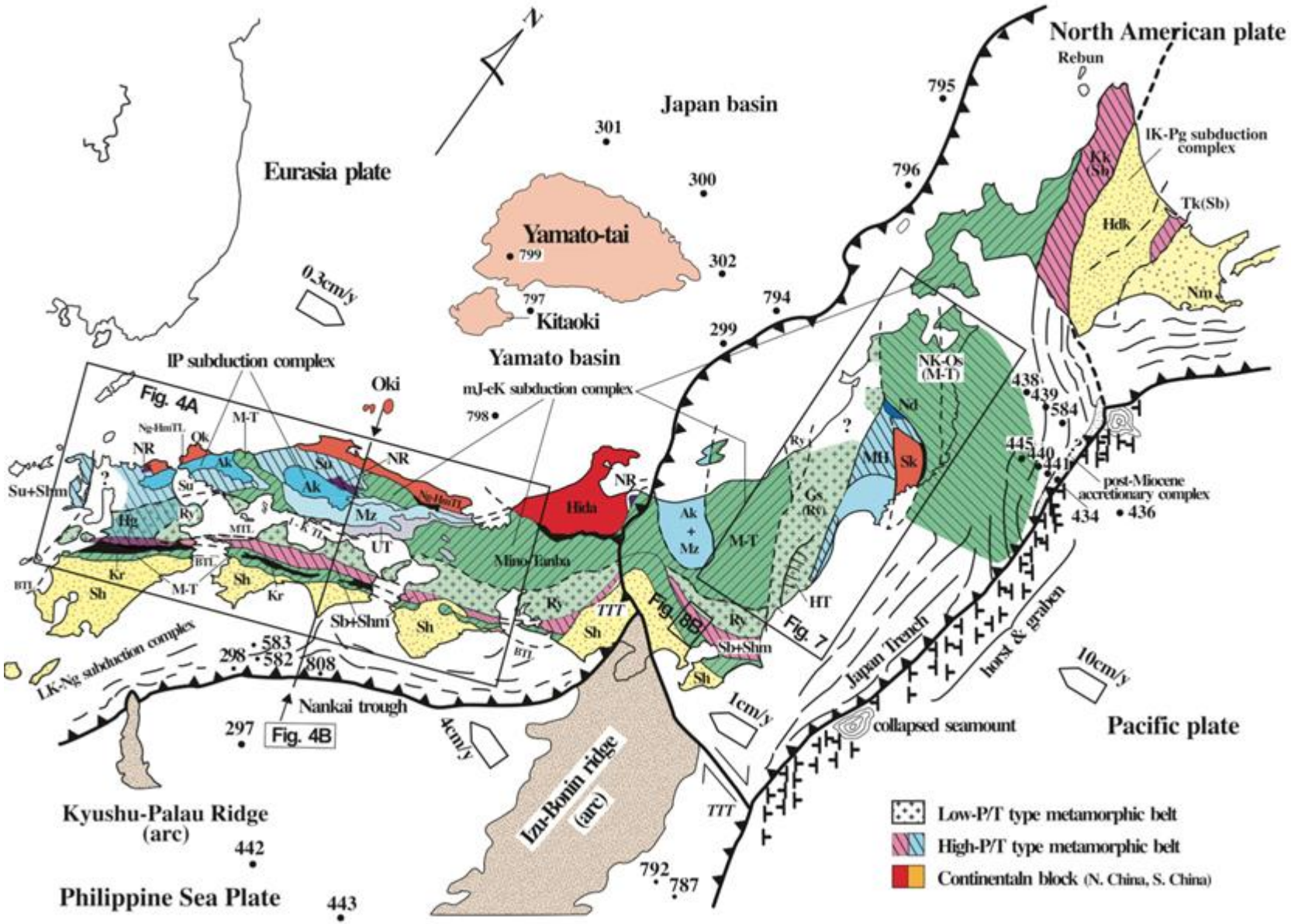
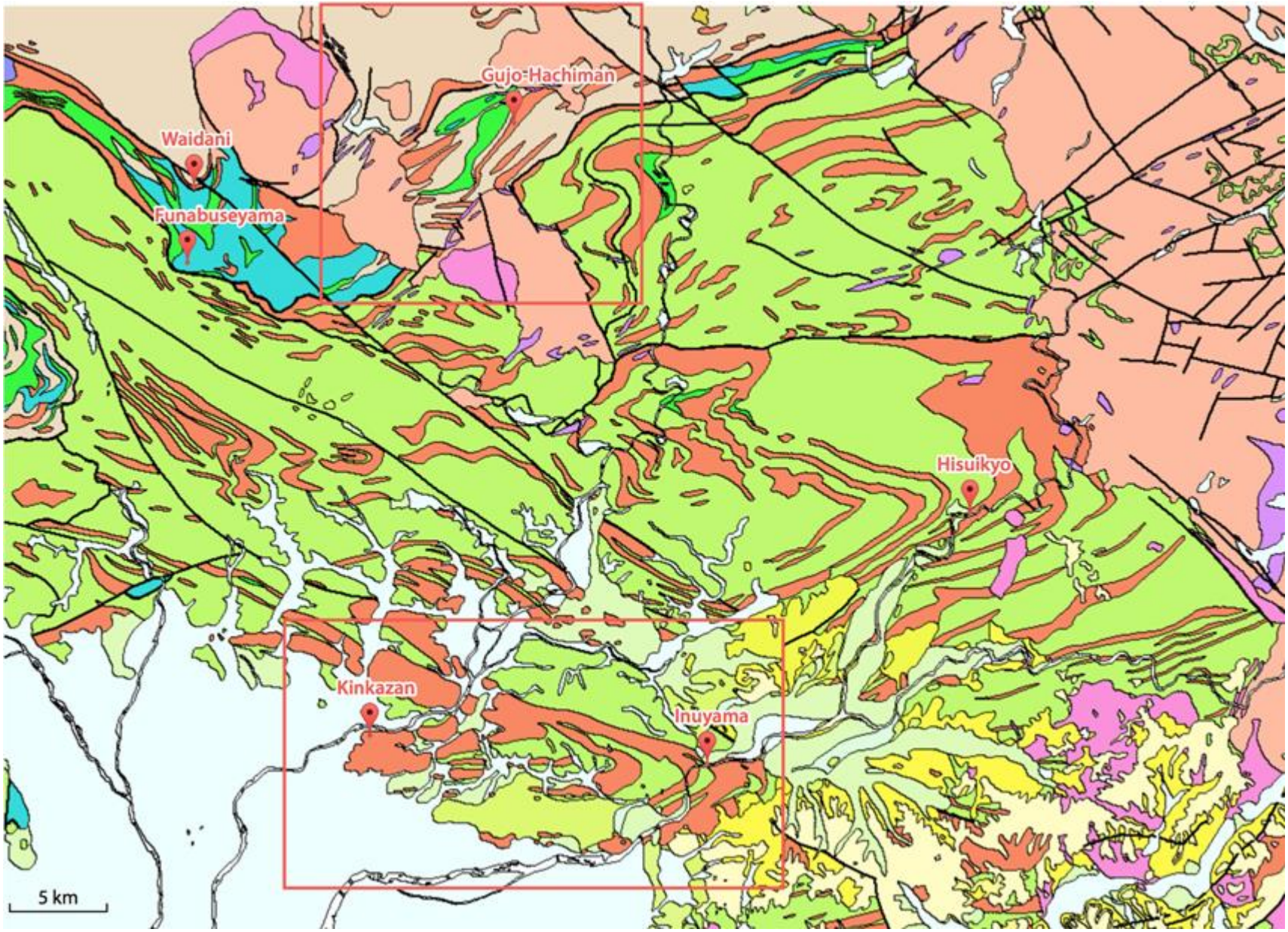
Field training localities in Japan 2017

Geological outline of the Japanese Islands

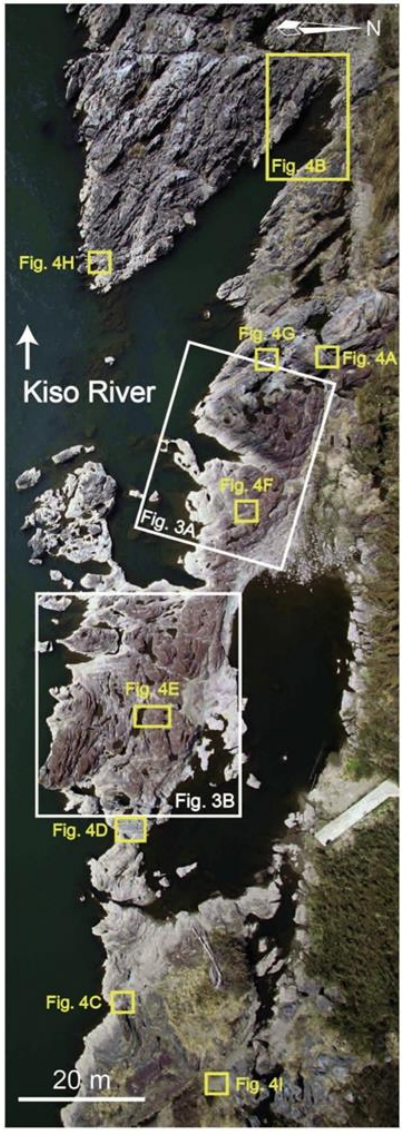


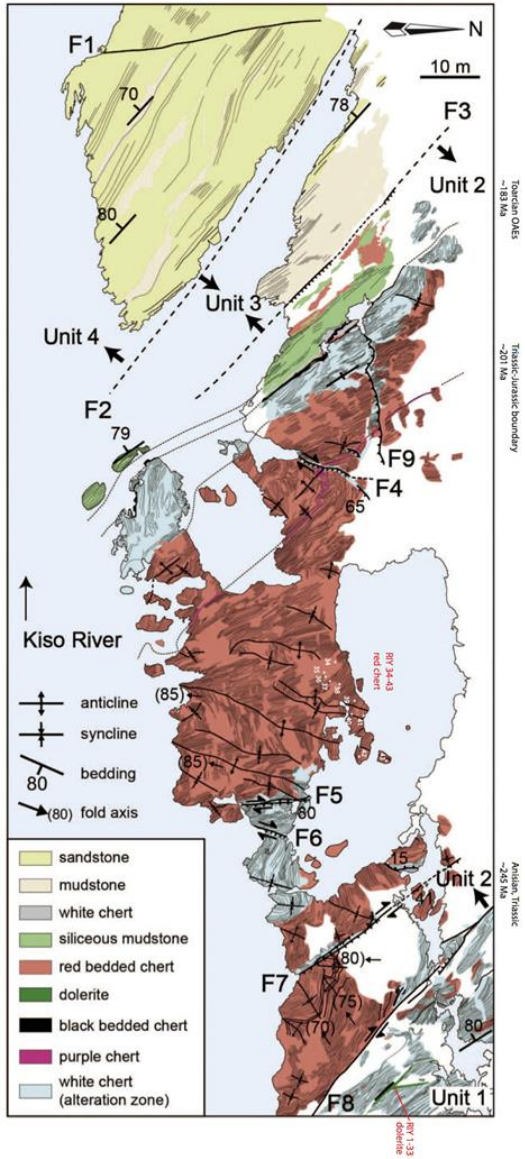
Enlarged maps for the locations 2017. The Inuyama Jurassic OPS and Gujo-Hachiman accretionary complex 100 km north of Nagoya

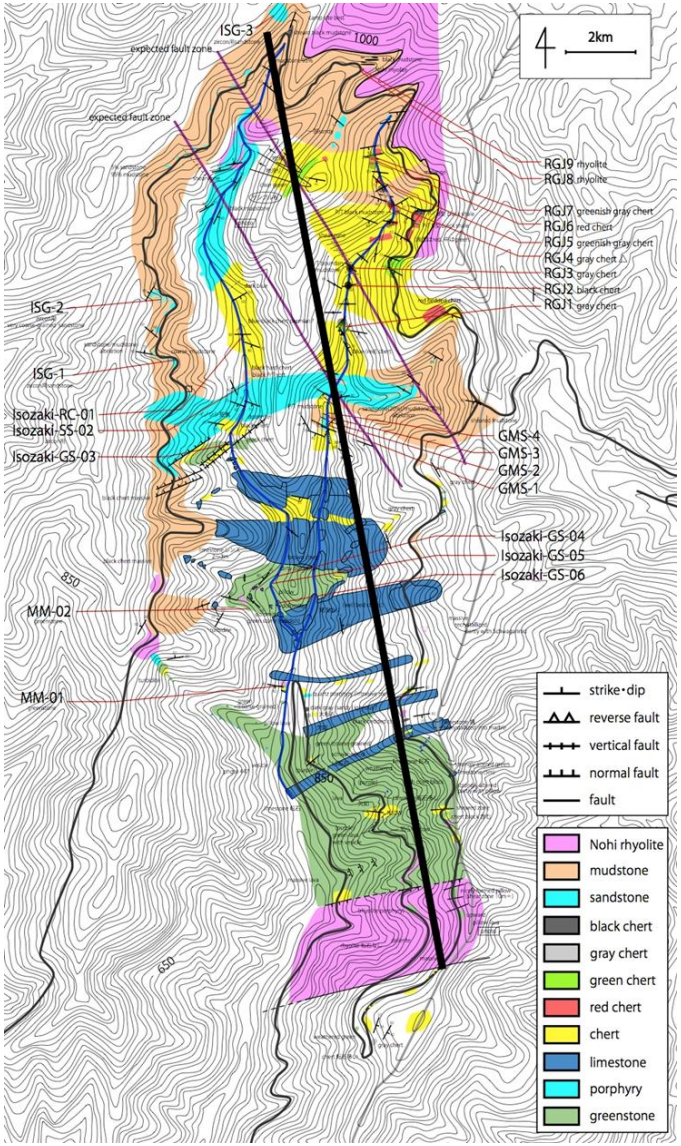


Detailed geological map with the sample positions of the Katsuyama section in the Inuyama area (Fujisaki et al., 2016).

Route map to show the sample locality of P-T boundary







OPS world type locality at Inuyama, Mino-Tamba AC

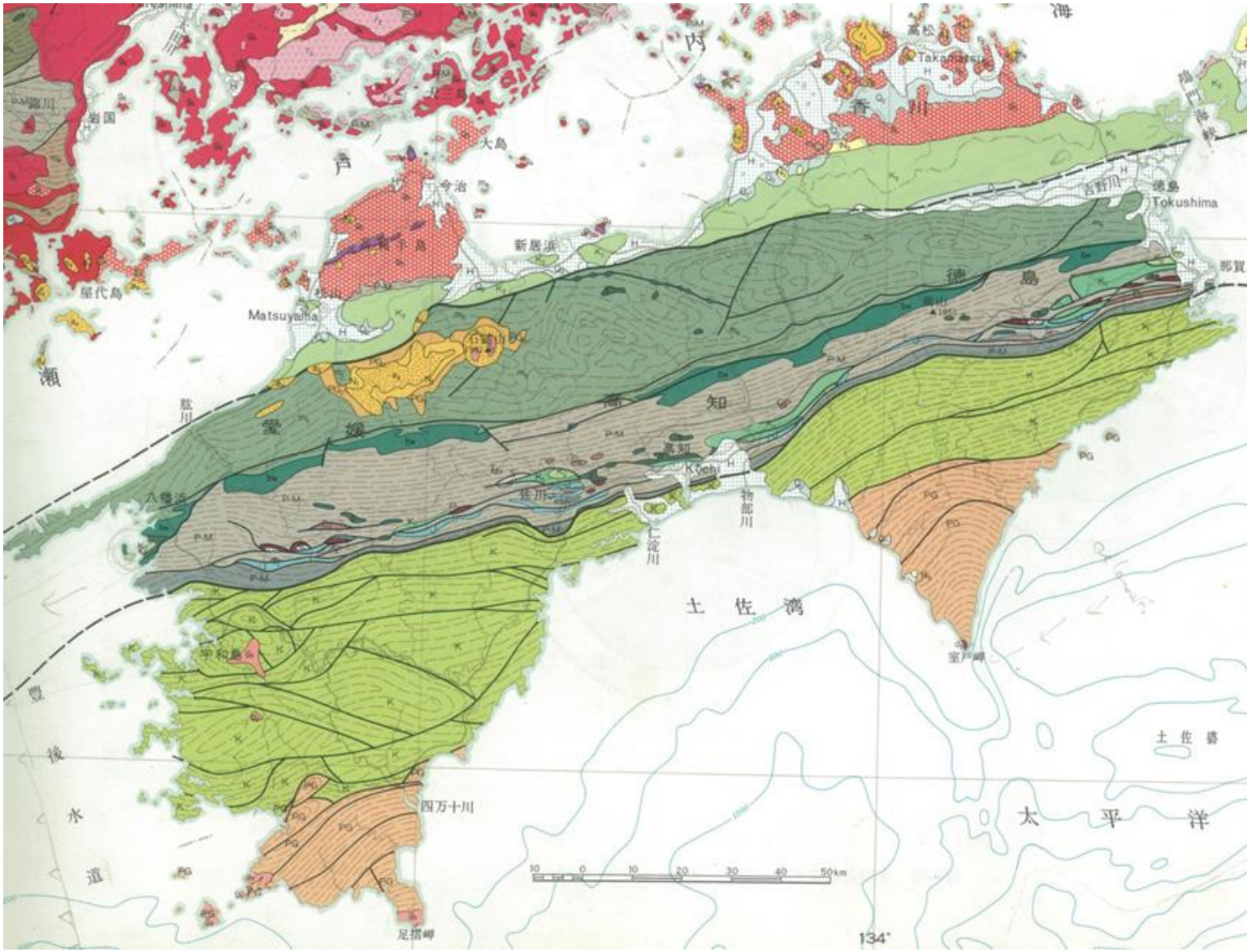
Studying Triassic chert-dominated OPS at Inuyama

Lecture of reconstructing OPS/AC in Inuyama area using *zabuton*

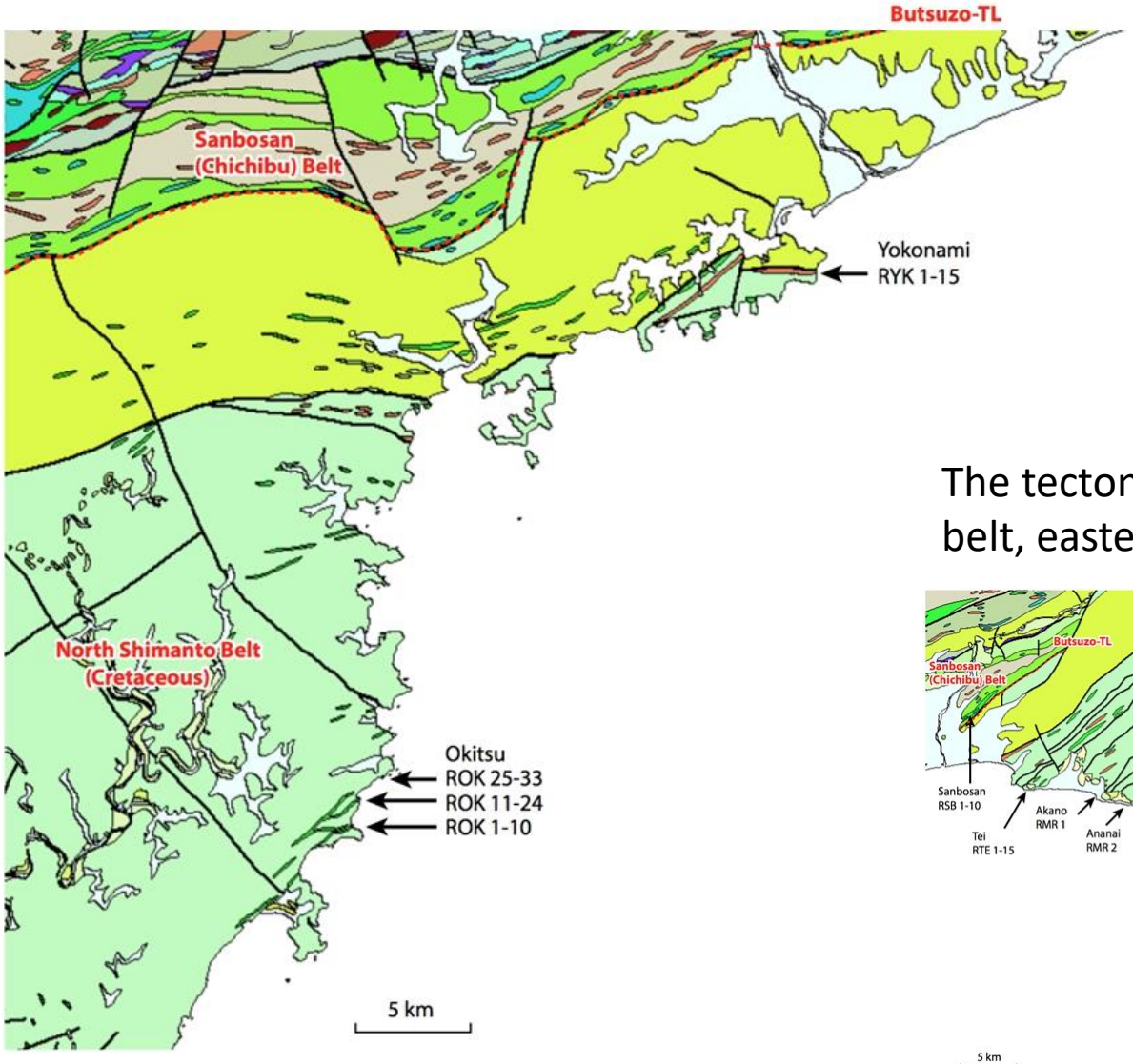
Triassic red chert at Inuyama

Outcrop of P-T boundary black shale at Gujo-Hachiman

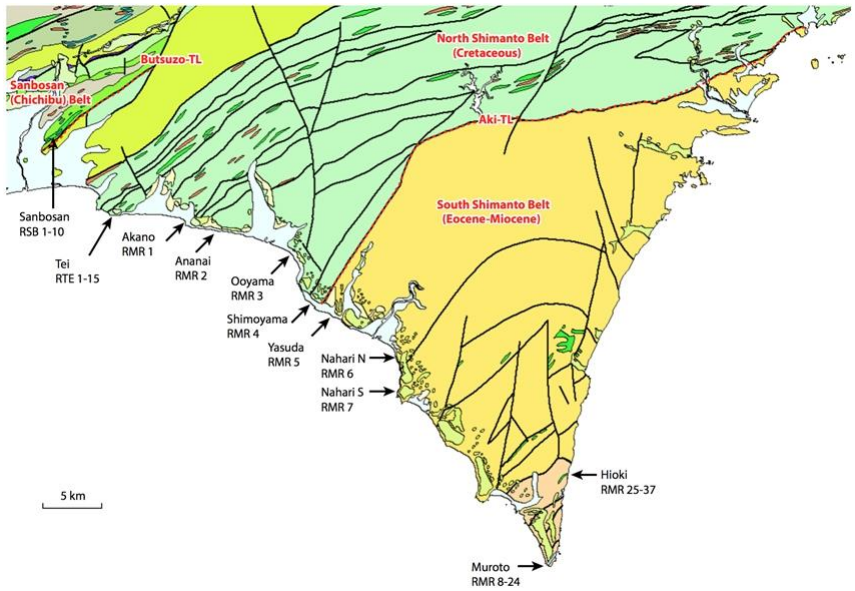
Geologic map of Shikoku island to show the Miocene to Late Cretaceous Shimanto AC at Suzaki and Tei. Also shown is the Muroto Cape gabbro intrusion derived from in-situ basaltic magma near trench, and Miocene accretion of MORB-like pillowed basalts at Hioki



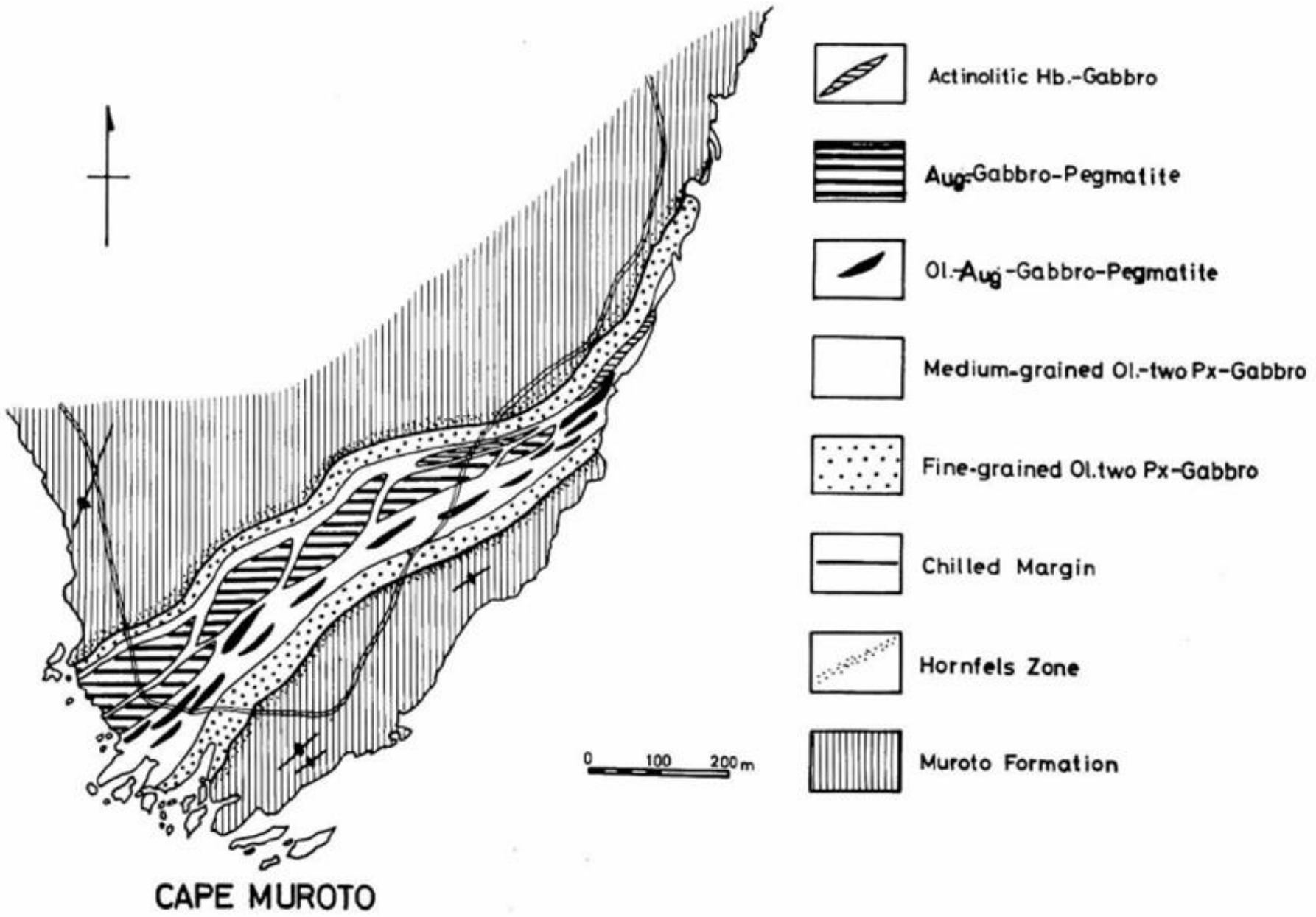
Yokonami coherent-type ACs in the Shimanto belt, western Kochi, Shikoku, SW Japan



The tectonic lines within the Shimanto belt, eastern Kochi, Shikoku, SW Japan



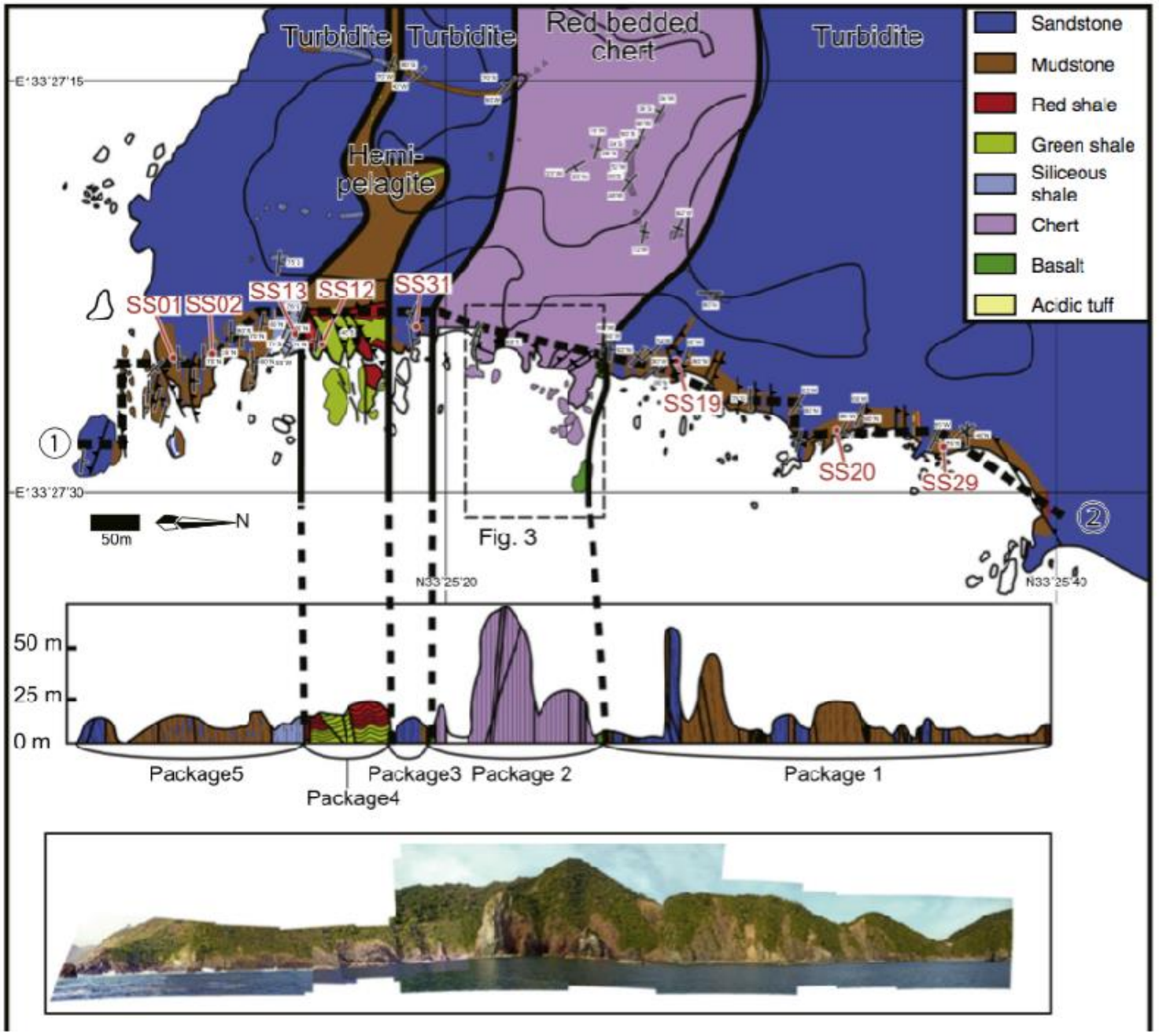
Gabbroic complex in cape Muroto



Tei mélange, Eocene OPS; Shimanto AC

Pillow basalt (left) and
gabbroic complex
in cape Muroto

Yokonami mélange, Eocene OPS, Shimanto AC: geological scheme



Yokonami mélange; Shimanto AC

Outcrop of basalt at Okitsu beach

Observation of MORB (?) pillow basalt outcrop from boat

Observation of bedded chert outcrop from boat.

Sorting the samples at the Muroto Cape

Main focuses of the 2017 field training courses

- Accretion mechanism for Triassic-Jurassic oceanic materials against hanging wall of overriding plate
- Geology of typical layer-parallel accretion of Triassic-Jurassic deep-sea sediments at 150Ma, central Honshu, Japan
- Toarcian anoxic event preserved in deep-sea sediments, Inuyama, central Honshu, Japan; P/T boundary recorded in deep-sea sediments.
- Geology of middle Jurassic accretionary complex, Gujo-Hachiman central Honshu, Japan
- accreted Carboniferous seamounts, northern Honshu, Japan
- Mid/Late Permian boundary recorded in deep-sea sediments, central Honshu, Japan
- Yokonami coherent-type OPS
- Accretionary complex in the Shimanto belt
- Tectonic erosion; a general aspects in Outer Zone of SW Japan