

Xin Jin, Yu-Xiu Zhang, Donna L. Whitney, Kai-Jun Zhang, Natalie H. Raia, Clémentine Hamelin, Jun-Cheng Hu, Lu Lu, Xiao-Yao Zhou, and Shahbaz Bin Khalid, 2020, Crustal material recycling induced by subduction erosion and subduction-channel exhumation: A case study of central Tibet (western China) based on  $P$ - $T$ - $t$  paths of the eclogite-bearing Baqing metamorphic complex: GSA Bulletin, <https://doi.org/10.1130/B35638.1>.

## Supplemental Material

**Figure S1.** X-ray compositional mapping images showing the garnet chemical variations (Mg, Fe, Ca) from eclogite YA-16-35.

**Figure S2.** Schematic Triassic paleo-geographic facies of Qiangtang (revised after Wang et al., 2009).

**Table S1.** Summary of previously published Paleozoic and Proterozoic ages in Tibetan Plateau and Himalaya and Paleo-Tethys Triassic and Meso-Tethys Jurassic high-grade metamorphic rocks.

**Table S2.** Representative microprobe analyses for minerals from Baqing eclogite, amphibolite, schist, and gneiss. Mineral abbreviations follow the scheme of Whitney and Evans (2010).

**Table S3.** LA-ICP-MS U-Pb and trace element data for zircon grains from Baqing eclogite sample YA-7-18-40, schist sample GR-17 and gneiss sample YA-7-18-44.

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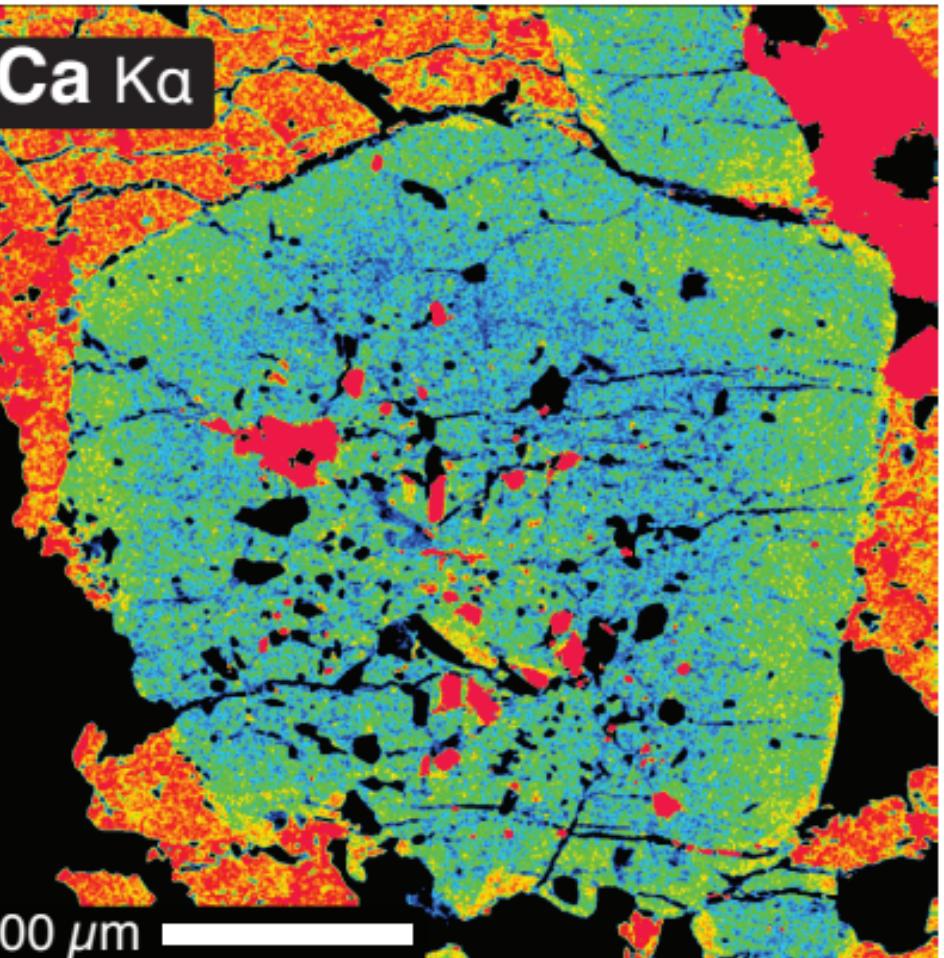
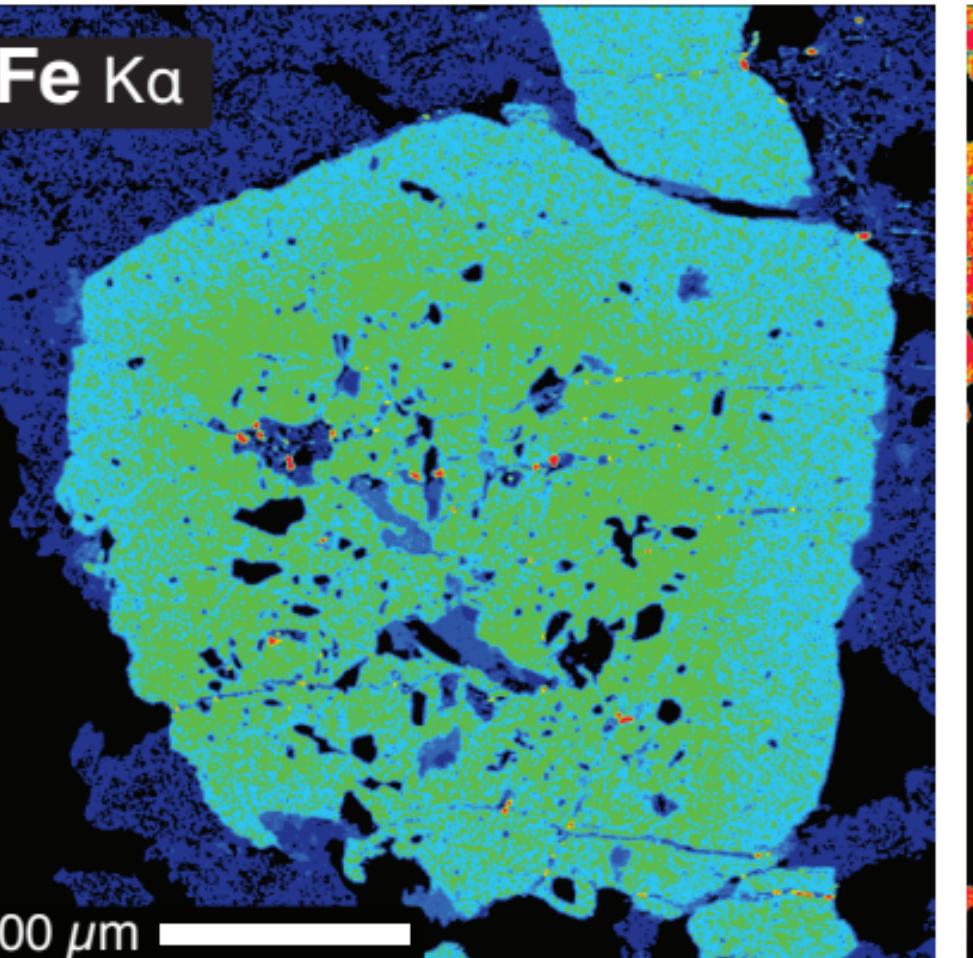
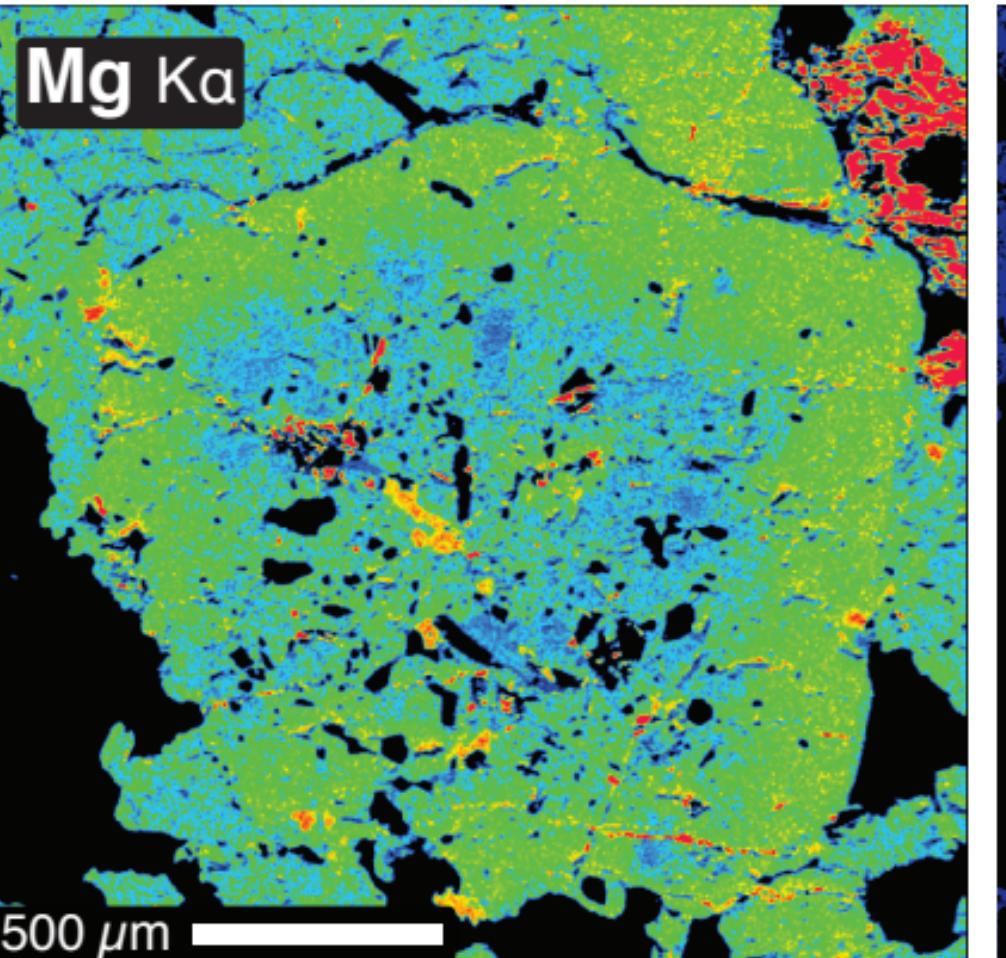
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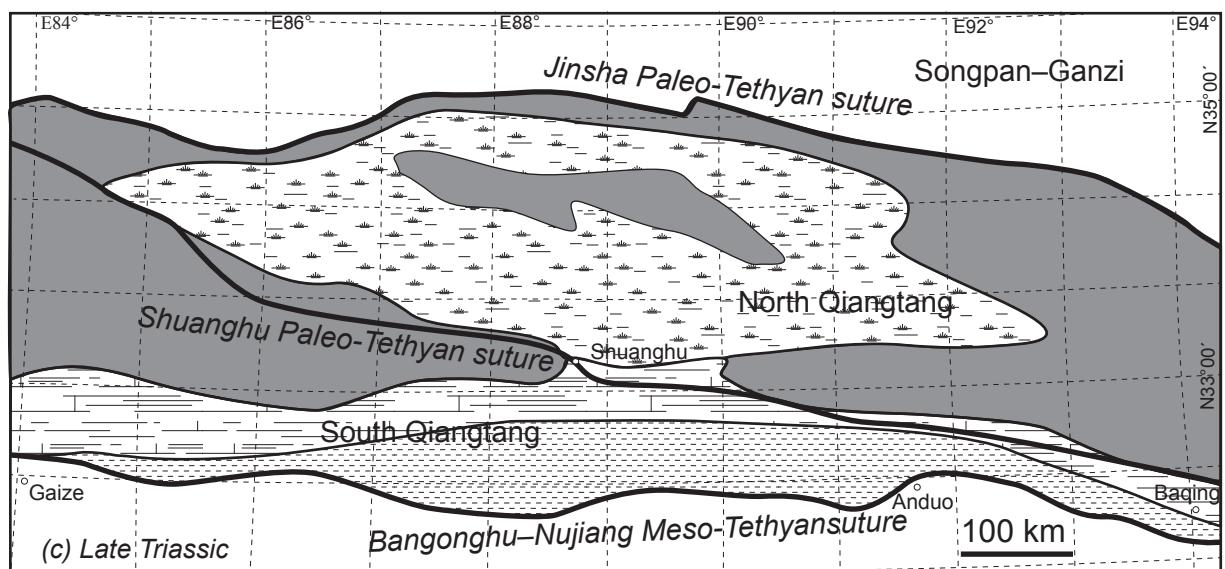
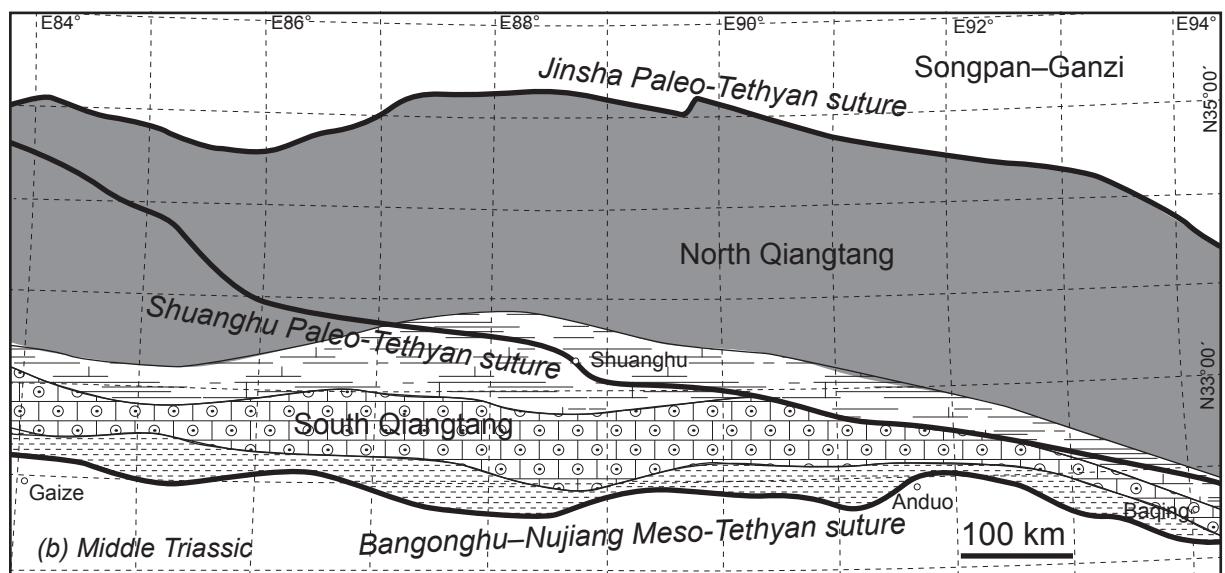
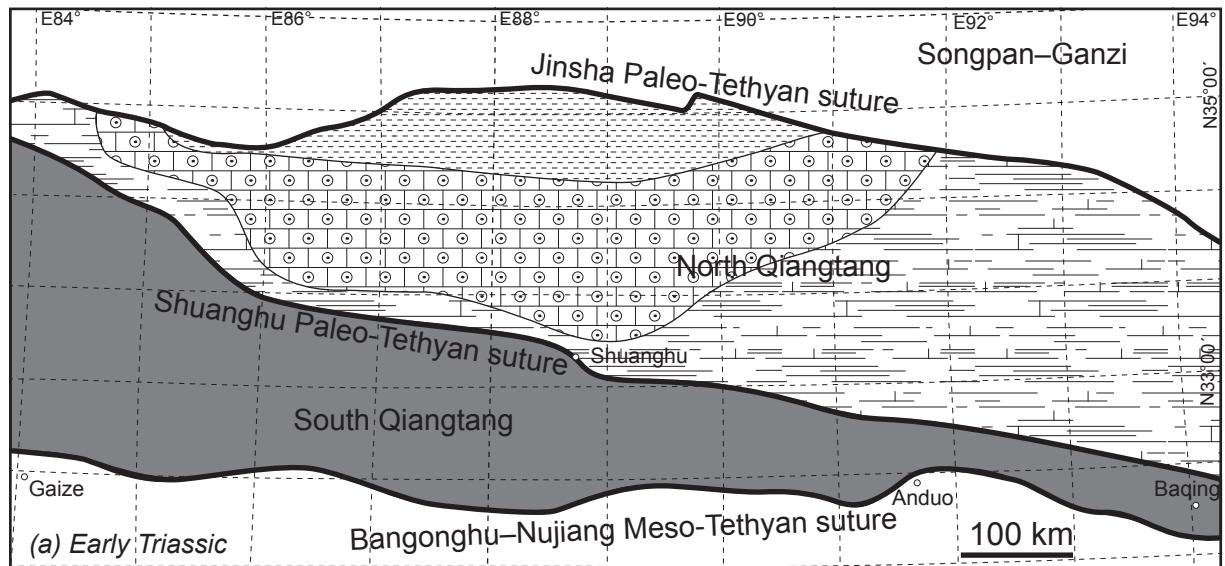
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High





	nondepositional area		alluvial facies		clastic coast facies		shallow-water carbonate facies		clastic neritic facies
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