Solid Earth Discuss., 5, C806–C809, 2013
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Solid Earth
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Interactive comment on "Jurassic–Paleogene intra-oceanic magmatic evolution of the Ankara Mélange, North-Central Anatolia, Turkey" *by* E. Sarifakioglu et al.

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Received and published: 28 December 2013

Dear Dr. Ryo Anma

Firstly, I would like thank you for your critics to improve the article. As you say, firstly we would like to present the brief internal structure of the Ankara Mélange and related the products of island-arc magmatism. You are right, our MTA project (Sarifakioglu et al. 2011) contain ophiolite-origin, sea-mount-origin and island-arc-magmatism related the Ankara Mélange. Especially, in this article, we give the general framework of the Ankara Mélange and geochemistry-geochronology-petrogenesis related products of island-arc magmatism. Nowadays, we plan to prepare the detail seamount-origin

article. After this, we will prepare the detail ophiolite-origin within the Ankara Mélange. If we give all units we think this article will be a report. In really, we gave the location of Sakarya Continent in Fig.1 before. Because Prof. Harald Furnes made critical suggestion. I hope you look 'Interactive Discussion' that we present 'Final revision'. Also, we add explanatory statement in the manuscript for Sakarya Continent as you say. We, in Turkey, generally give MTA reports as unpublished source material because of only reports. But, as you say, in the manuscript, we indicate Sarifakioglu et al. (2011) as reference instead of Sarifakioglu et al., unpublished data. We give the location of Ar-Ar age dating in the maps. Thank you very much again for your suggestions,

All Best

Ender Sarifakioglu

Please also note the supplement to this comment:
http://www.solid-earth-discuss.net/5/C806/2013/sed-5-C806-2013-supplement.zip

Interactive comment on Solid Earth Discuss., 5, 1941, 2013.

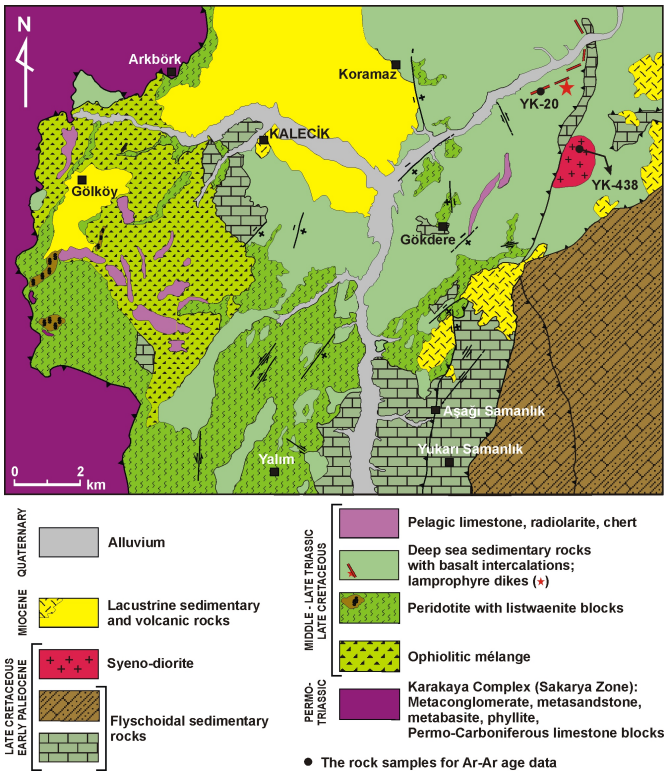

Fig. 1. Figure 3a

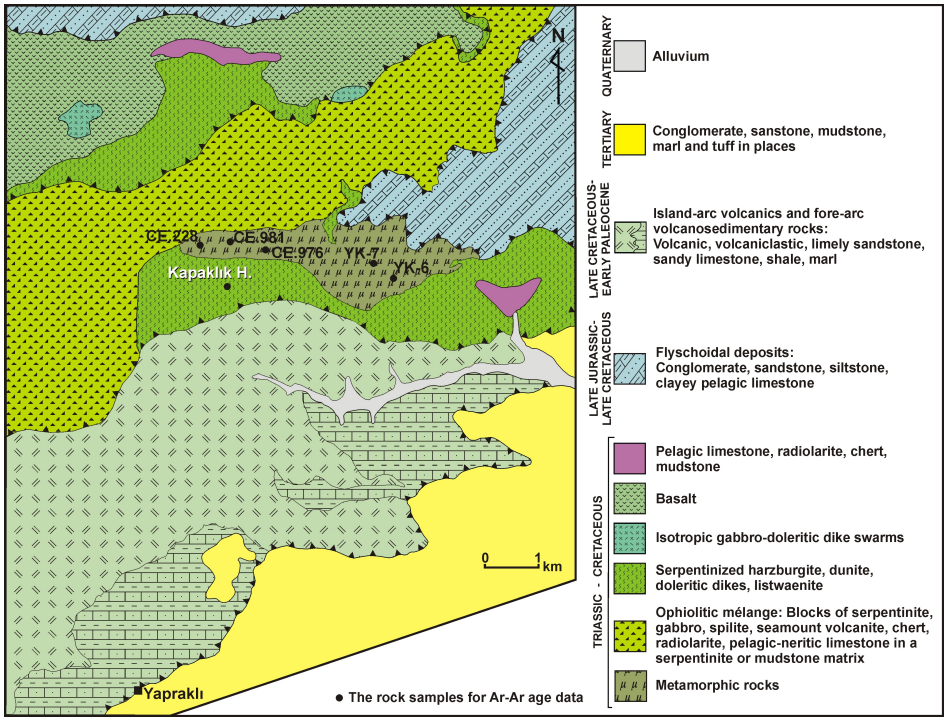

Fig. 2. Figure 6