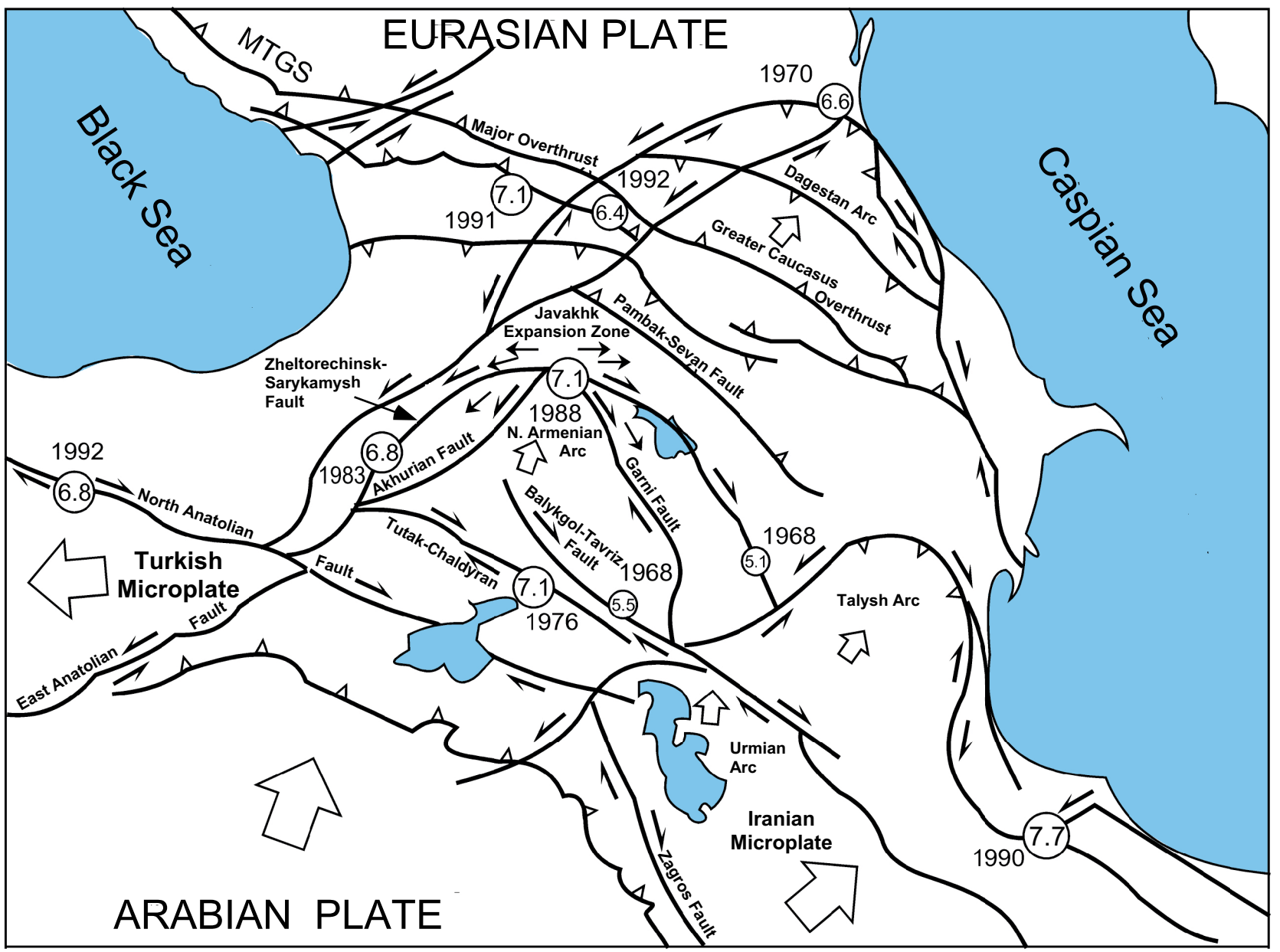


Figure 1. Tectonic elements of Lesser Caucasus (by M.A. Satian).



Major Wrench fault      Major Overthrust      Dated modern earthquake intensity      Movement relative to Eurasia      Relative movement N. Armenian arc blocks

Figure 2. Active tectonic features of the collision zone of the Central Eurasian and Arabian plates (by A.S. Karakhanian).

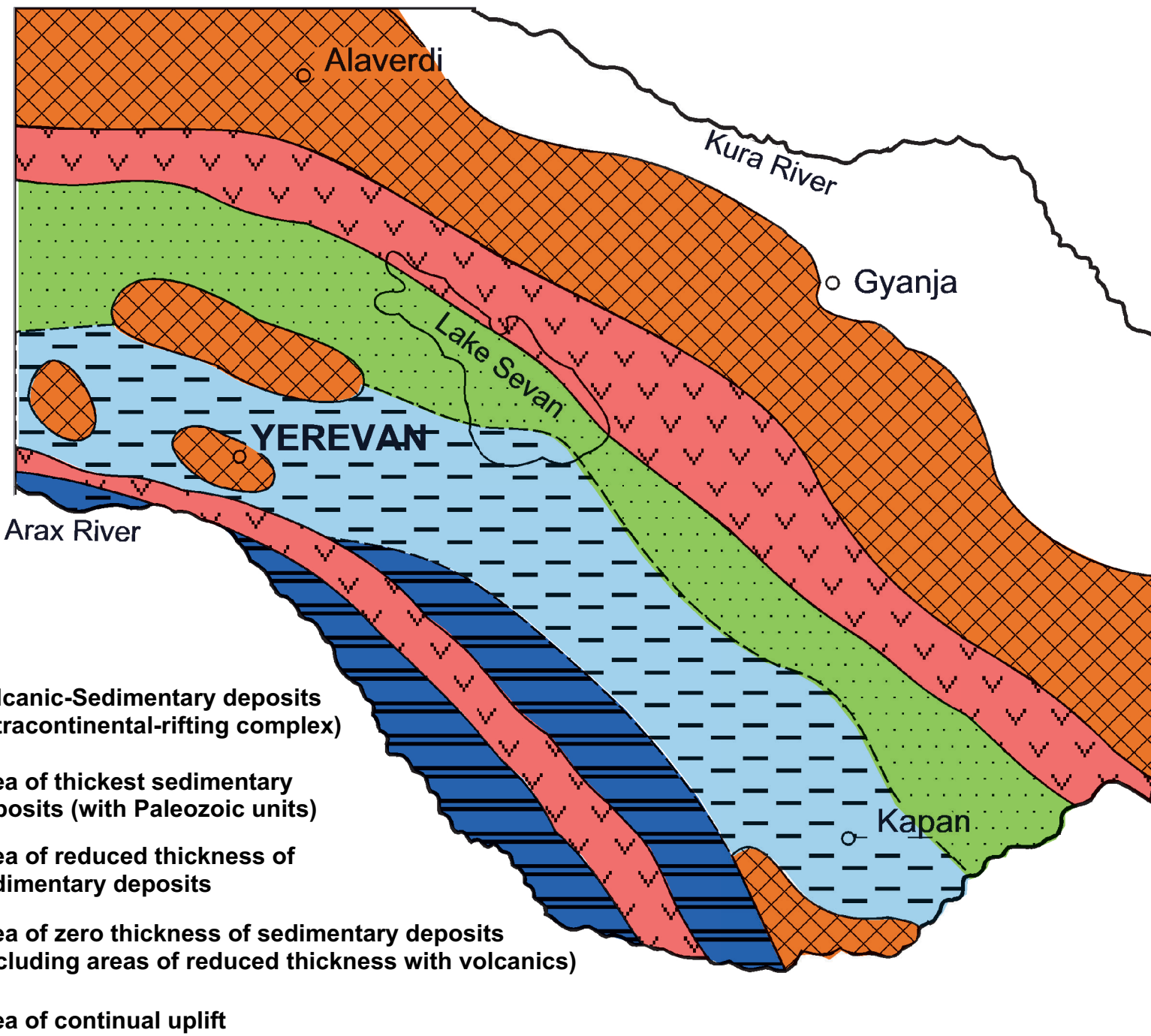


Figure 3. Tectono-stratigraphic zonation of Transcaucasia in Middle-Late Paleozoic - Triassic (by M.A. Satian).



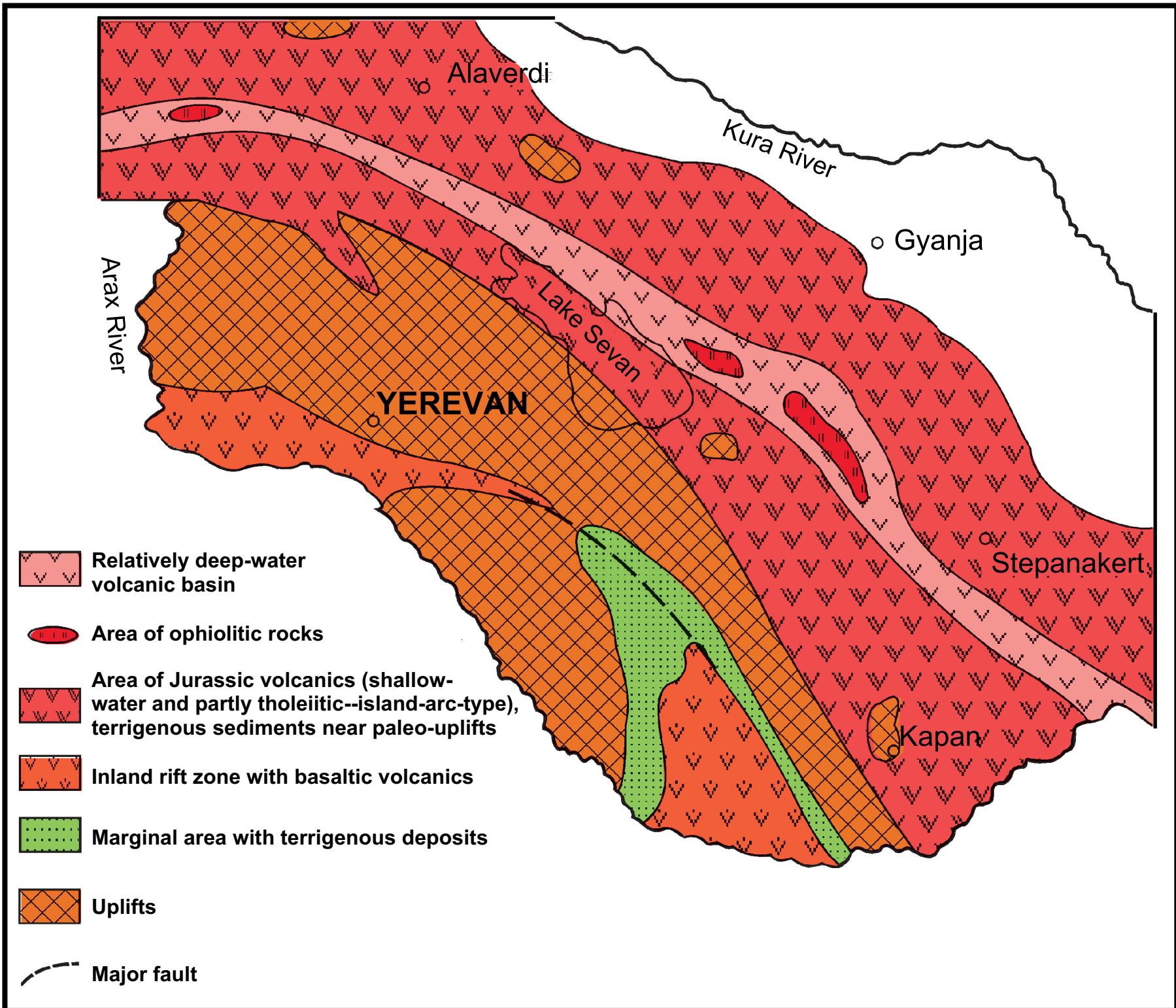


Figure 4. Tectono-stratigraphic zonation of Transcaucasia in Late Triassic - Early Jurassic (by M.A. Satian).



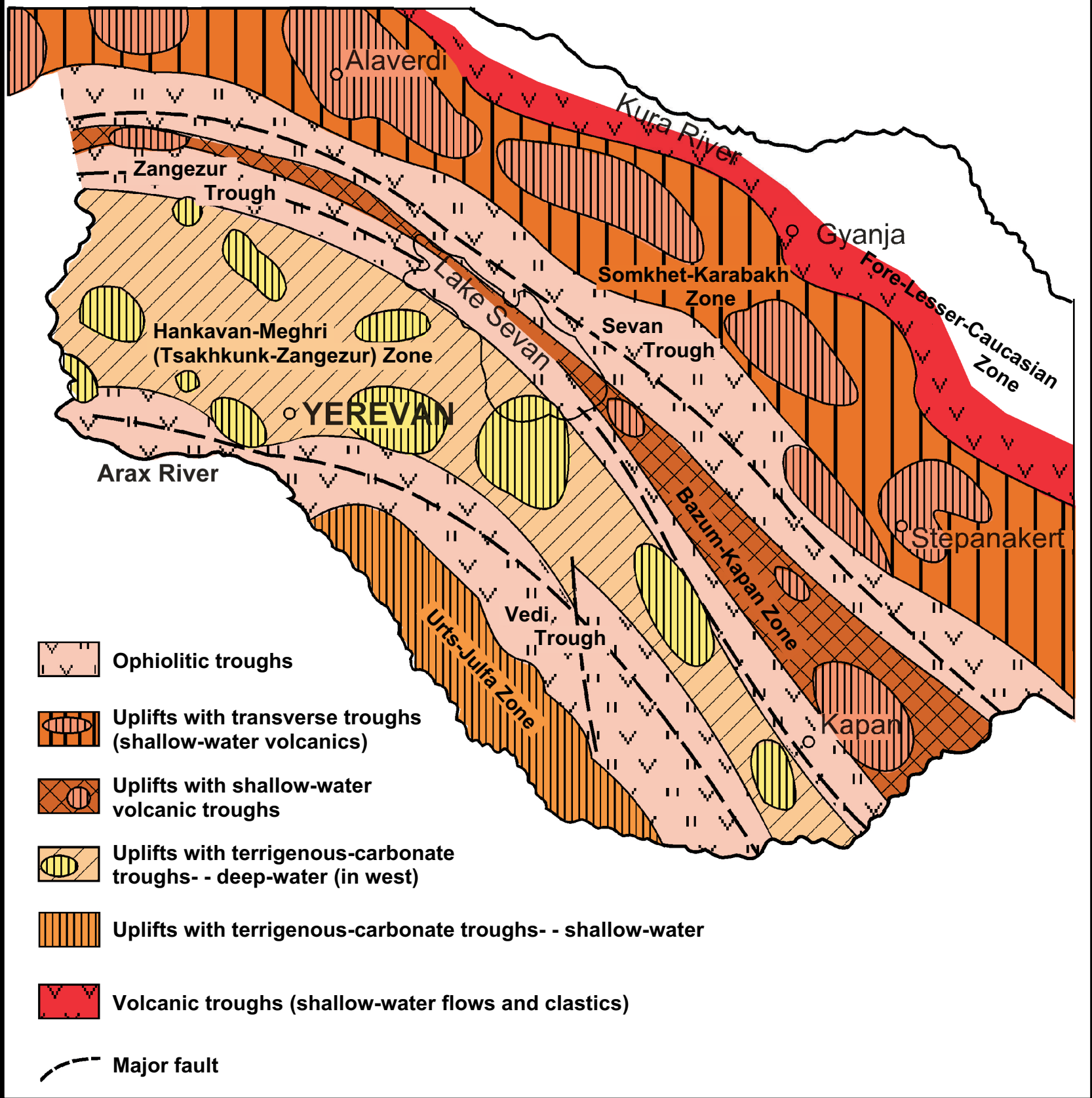


Figure 5. Tectono-stratigraphic zonation of Transcaucasia in Late Jurassic – Late Cretaceous (pre-upper Senonian) (by M.A. Satian).

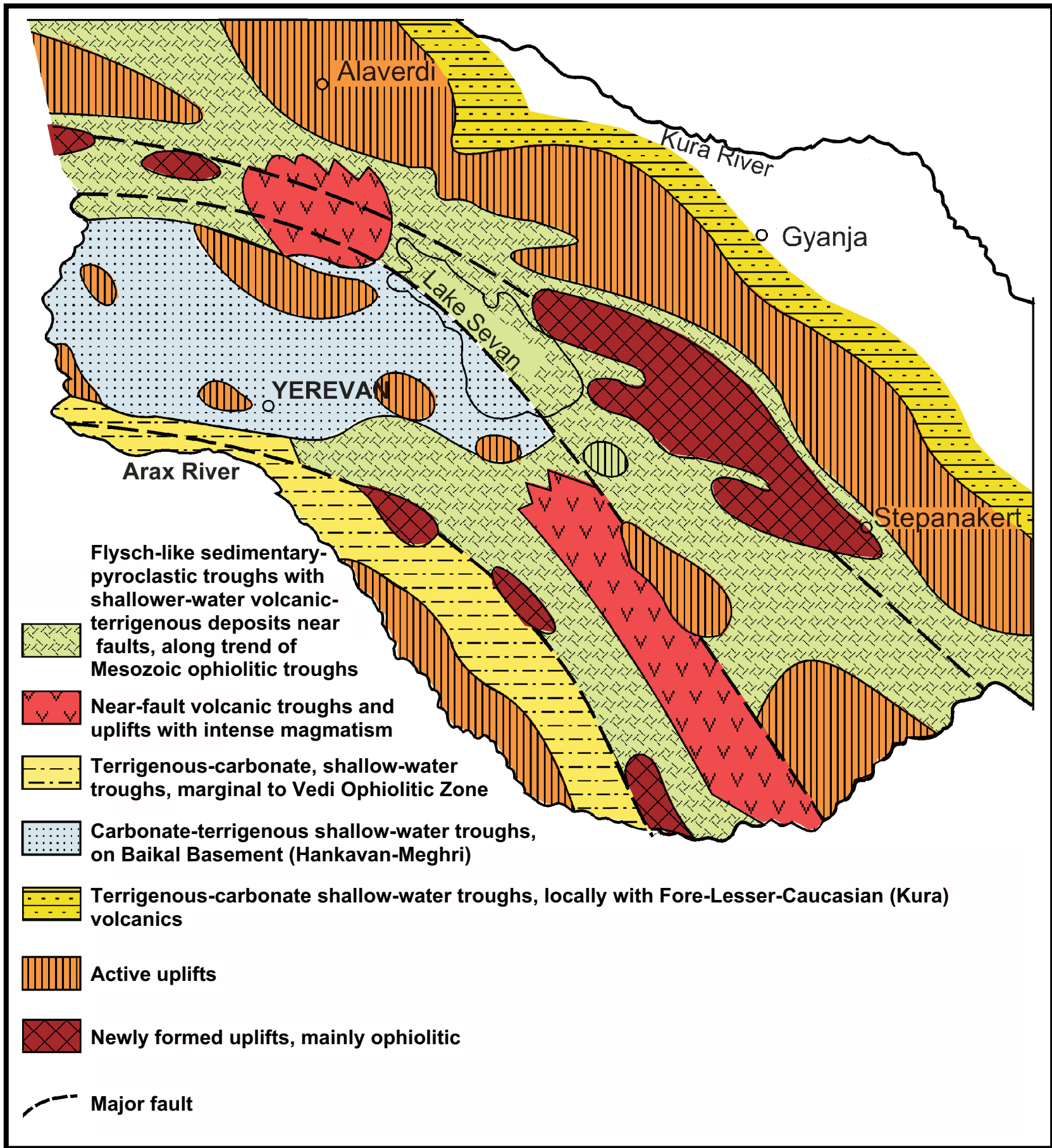


Figure 6. Tectono-stratigraphic zonation of Transcaucasia in Paleogene (by M.A. Satian and R.T. Jrbashyan).

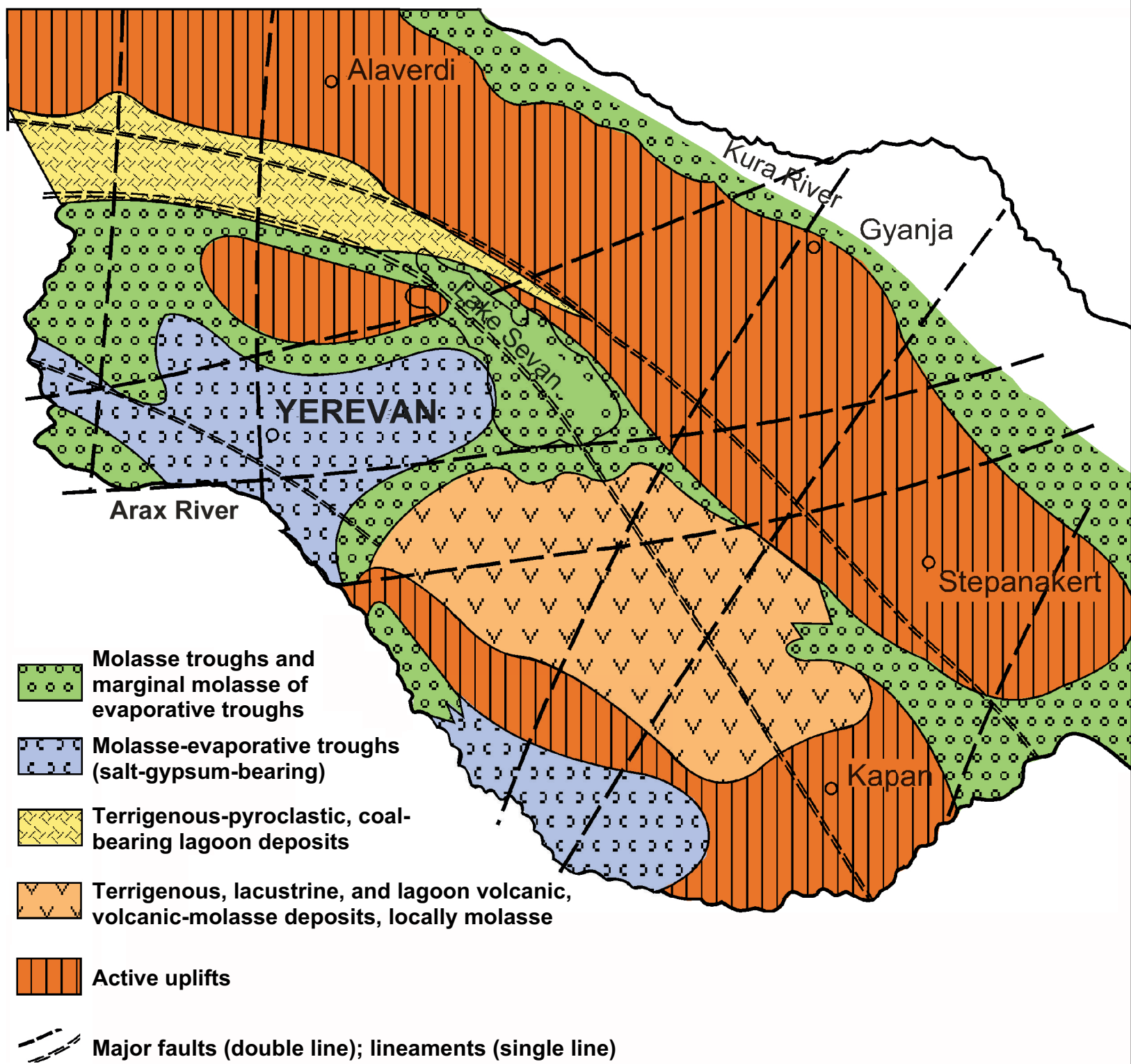


Figure 7. Tectono-stratigraphic zonation of Transcaucasia in Miocene-early-Pliocene (by M.A. Satian and R.T. Jrbashyan).



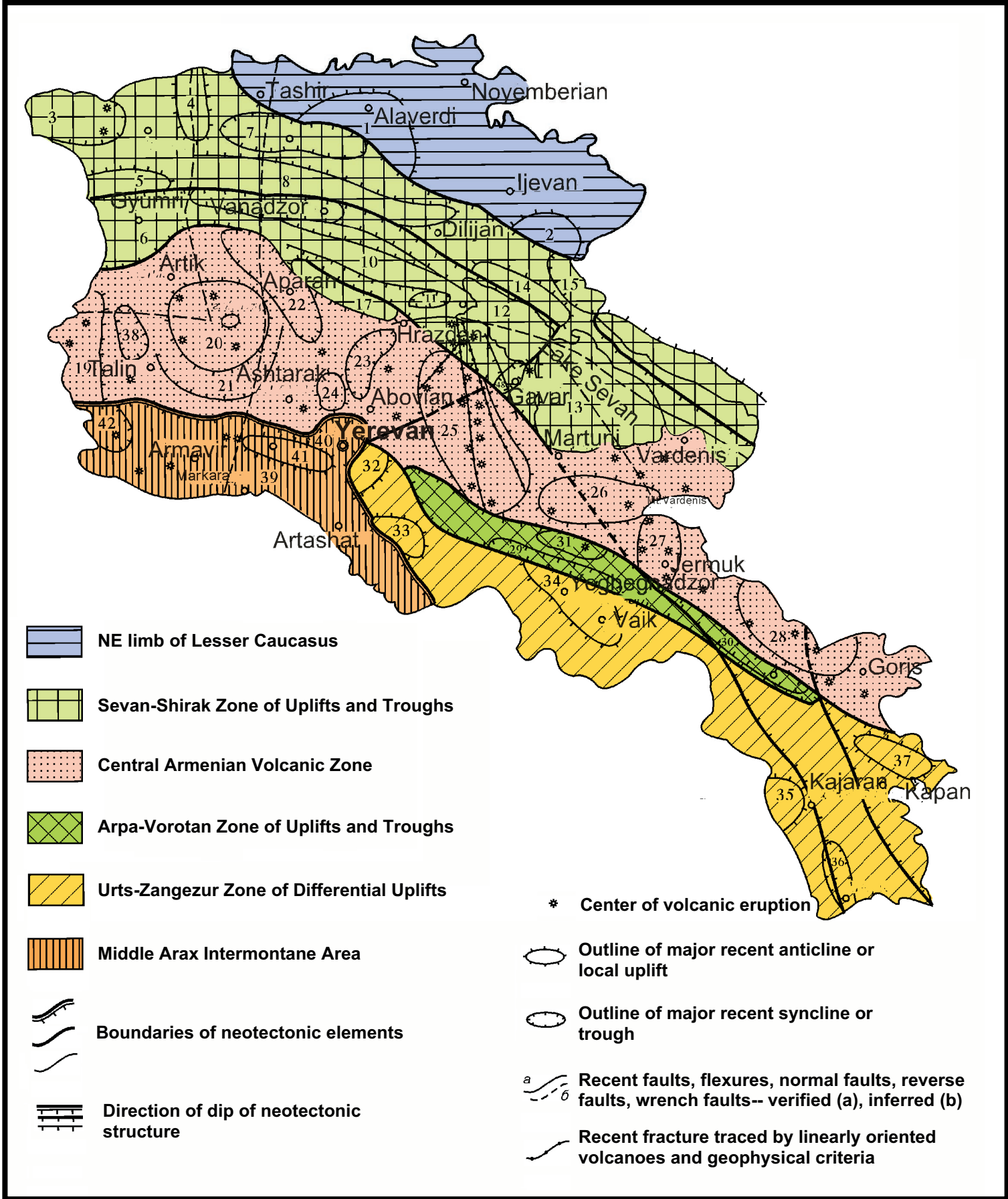
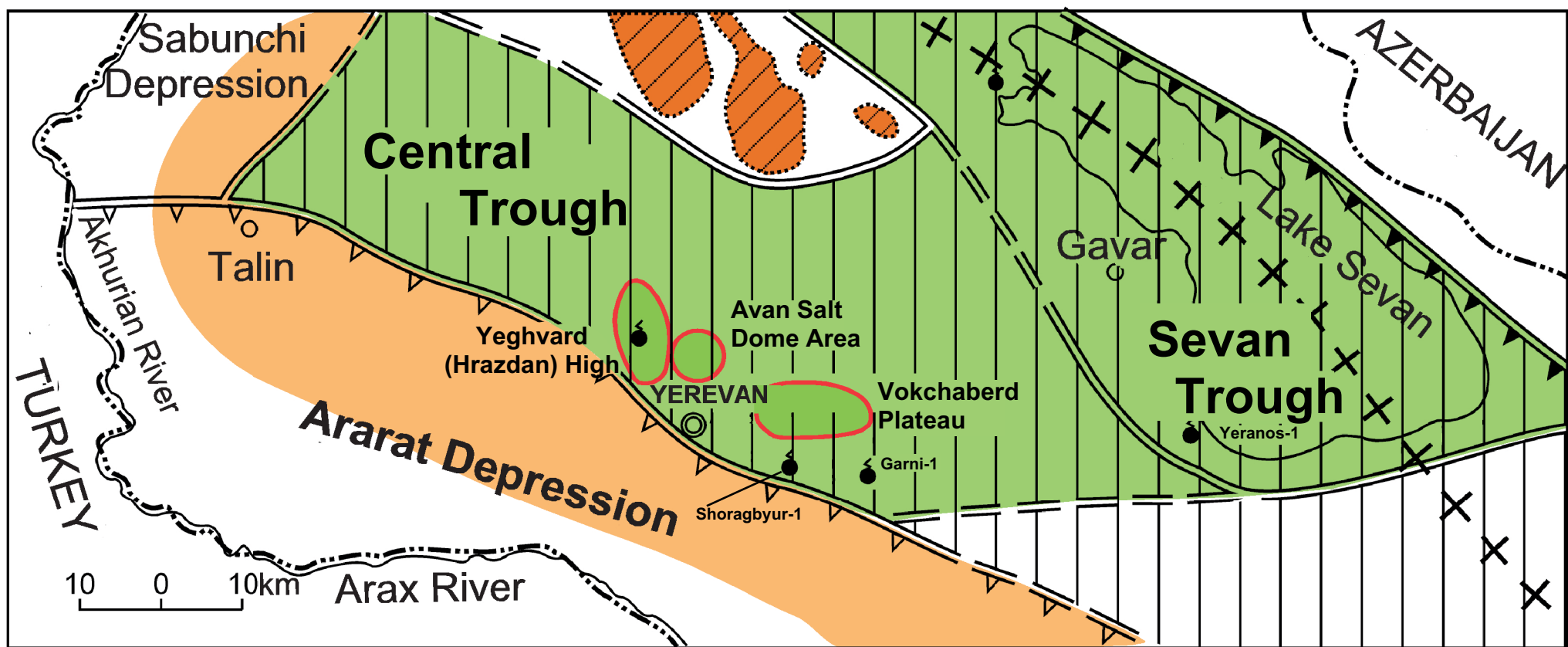


Figure 8. Tectonic features of Armenia (by Sayadian, including data from E.E. Malinovski 1962, 1960, 1968; Gabrielian and Dumitrashko, 1962; S.P. Balian, L.N. Zohrabian, A.T. Aslanian; A.A. Gabrielian, O.A. Sarkissian, and G.P. Simonian).

Recent structures designated by numbers on the map: 1-Alaverdi Uplift; 2-Murguz Uplift; 3-Upper Akhurian Trough; 4-Javakhk Uplift; 5-Shirak Uplift; 6-Gyumri Trough; 7-Lori Trough; 8-Bazum-Khalab Uplift; 9-Spitak-Vanadzor Trough; 10-Pambak Uplift; 11-Upper Hrazdan Trough; 12-Lesser Sevan Trough; 13-Greater Sevan Trough; 14-Areguni Uplift; 15-Krasnoselsk Trough; 16-Sevan ridge; 17-Hankavan Uplift; 18-Gavaraget Trough; 19-Agi Uplift; 20-Shield-like volcanic Aragats Uplift; 21-Aragats Trough; 22-Kasakh Trough; 23-Middle Hrazdan Trough; 24-Yeghvard Uplift; 25-Geghama Uplift; 27-Arpi Trough; 28-Syunik Uplift and Ishkhanasar Volcano; 29-Arpi Trough; 30-Vorotan Trough; 31-Gazmi Uplift; 32-Shoraghbyur Uplift; 33-Urts Uplift; 34-Haiots-Dzor Uplift; 35-Kaputjkh Uplift; 36-Meghri Trough; 37-Bargushat Uplift; 38-Arteni Trough; 39-Armavir-Artashat Trough; 40-Yerevan Trough; 41-Parakar-Aintap (Taza-Gyukh) Buried Uplift; 42-Bagravan trough.



 South boundary of Central Trough (belt of overthrust structures in Paleogene deposits)

 Sevan ophiolitic suture (overthrusts and limited ophiolitic "series" overlying Mesozoic-Paleozoic deposits of Bazum-Kapan Zone)

 Zangezur Ophiolitic suture (horsts with ophiolitic core and Upper Cretaceous - Miocene deposits on flanks)

 Boundary between Sevan and Central troughs- - verified (a), inferred (b)

 Baikal basement outcrop       Oil and/or gas show

 Sabunchi and Ararat Depressions

 Sevan and Central Troughs

 Area possibly containing oil and gas

Figure 9. Outline of Sevan Trough and Central Trough of the Lesser Caucasus (by Yu.R. Kagramanov. and M.A. Satian).