

The Cartometric-Geographical Analysis of Ivane Javakhishvili 1922: The Map of the Republic of Georgia

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Abstract : The study revealed the territorial changes of Georgia before the Soviet and Post-Soviet periods. This includes the estimation of the country's borders, its administrative-territorial arrangement change as well as the establishment of territorial losses. Georgia's old and new borders marked on the map are of great interest. The new boundary shows the condition of 1922 year, following the Soviet period. Neither on this map nor in other works Ivane Javakhishvili talks about what he implies in the old borders, though it is evident that this is the Pre-Soviet boundary until 1921 - i.e., before the period when historical Tao, Zaqatala, Lore, Karaia represented the parts of Georgia. According to cartometric-geographical terms, the work presents detailed analysis of Georgia's borders, along with this the comparison of research results has been carried out: 1) At the boundary line on Soviet topographic maps, the maps of 100,000; 50,000 and 25,000 scales are used; 2) According to Ivane Javakhishvili's work ('The borders of Georgia in terms of historical and contemporary issues'). During that research, we used multi-disciplined methodology and software. We used Arc GIS for Georeferencing maps, and after that, we compare all post-Soviet Union maps, in order to determine how the borders have changed. During this work, we also use many historical data. The features of the spatial distribution of the territorial administrative units of Georgia, as well as the distribution of administrative-territorial units of the objects depicted on the map, have been established. The results obtained are presented in the forms of thematic maps and diagrams.

Keywords : border, GIS, georgia, historical cartography, old maps

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