

BASED ON LAND USE, 1/25.000 SCALED GEOLOGICAL STUDY REPORT OF THE PROVINCE OF ISTANBUL

1. AIM AND SCOPE

1.1. Aim

This report has been prepared in accordance with the Spatial Plans Construction Regulation, which entered into force with the Official Gazette dated 14.06.2014 and numbered 29030, and in accordance with the circular of the Ministry of Environment and Urbanization, General Directorate of Spatial Planning, dated 28.09.2011 and numbered 102732. By the Earthquake and Soil Investigation Directorate of the Istanbul Metropolitan Municipality Earthquake Risk Management and Urban Improvement Department; It has been prepared upon the request of the City Planning Directorate of the Istanbul Metropolitan Municipality Department of Reconstruction and Urbanization, in order to form the basis for the 1/100,000 scaled Istanbul Environmental Plan Revision and the 1/25,000 scaled Istanbul Master Plan.

Identified with the historical, cultural and natural identity values of Istanbul; primarily highlighting the city's superiority in the fields of culture and tourism; increasing the quality of life by reflecting environmental, economic and social sustainability principles to the space; transforming the economic structure into a trade and service based economy based on science and technology; 1/100.000 scaled Istanbul Environmental Plan, which was prepared in order to gain a strengthened city status on a global scale that uses institutional and spatial plans as an efficient tool in an effective and participatory urban management/governance configuration, was approved on 15.06.2009.

In the process after the approval date of the said plan, the Regulation on the Principles of Plan Making, which guided the main principle decisions of the plan, was replaced by the Regulation on Construction of Spatial Plans, which came into force with the Official Gazette dated 14.06.2014 and numbered 29030, in addition, it will guide the development of the city. After the Environmental Plan construction process, large-scale investment decisions (Marmaray, 3rd Airport, High Speed Train, 3rd Bridge and Northern Marmara Highway, Canal Istanbul, Tube Crossing with Rubber Wheels Project etc.) were taken, these investment decisions were evaluated holistically, this necessitated the evaluation of the effects on the region and the city as a whole in upper scale plans.

Due to the above-mentioned reasons, 1/100,000 scale Environmental Plan Revision studies have been initiated in line with the current investment decisions, changing laws and regulations, and current data in order to ensure the functional integrity of the current 1/100,000 scale Istanbul Environmental Plan and to eliminate existing deficiencies. At the same time, in order to clarify the spatial reflections of the Environmental Plan Revision aims, targets, decisions and strategies on the basis of sub-regions, to guide the 1/5000 scale Master Development Plan and 1/1000 scale Implementation Development Plans to be made within the city, the holistic 1/25.000 scale It is also aimed to complete the Master Zoning Plans.

1.2. Scope

This study covers an area of approximately 534,494 hectares consisting of 66 1/25,000 scaled maps covering the entire borders of Istanbul Province. As a result of this report; Spatial information, geographical location, climate and vegetation, socio-economic information, geoscientific and other studies based on the current plan, areas exposed to disaster, floodplains, protected areas, protection zones, geomorphology, geology, hydrogeological features, natural disaster status of Istanbul Province. 1/25.000 scaled "Land Use Proposal Maps" were produced from the synthesis of 1/25.000 scaled

Geological Maps and general stratigraphic section, Turkey Earthquake Zones Map and Turkey Active Fault Map and 1/25.000 scale Slope Maps.

The aforementioned study is based on the "Plan Levels" in Table-1 in the annex of the circular dated 28.09.2011 and numbered 102732 of the Ministry of Environment and Urbanization General Directorate of Spatial Planning and in the annex of the abolished General Directorate of Disaster Affairs dated 19.08.2008 and numbered 10337. It covers the researches, information and maps required to be produced in the "Geological Survey Report Format Based on Land Use (Format-1)" for the 1/100,000 scaled Provincial Environmental Plan and the 1/25,000 scale Master Development Plan in the Earth Science Studies Table.

Intra-institutional groups contributing to the study and their duties are given in Table 1.1.

GROUP	STAFF-PERSON	MISSION
City Planning Group (Town planning Directorate)	Şehir Plancısı Serkan GENÇ Şehir Plancısı Serkan ŞAHİN	Data provision
R&D Group (Earthquake and Ground Inspection Directorate)	Geomatik Y. Mühendisi E.Yahya MENTEŞE Jeofizik Mühendisi Özge UZUNKOL Jeomorfolog Yasemin YILDIZ	Data provision, map drawing
Ground Engineering Group (Earthquake and Ground Inspection Directorate)	Jeoloji Mühendisi Tarık TALAY Jeoloji Mühendisi İskender AKMEŞE Jeoloji Mühendisi İsra BOSTANCIOĞLU Jeoloji Mühendisi Pınar AKSOY Jeoloji Y. Mühendisi Akif YEŞİLTAŞ Jeofizik Mühendisi Hakan MEHMETOĞLU Jeomorfolog Mesut TEKİN	Planning, correspondence, data collection, compilation, analysis, preparation and control of maps, reporting, approval