

Archaeogeophysical Investigation of Water Tower Region on Enez (Ainos) Ancient City

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Archaeogeophysical (geomagnetics) surveys have been made in two locations which are, Enez Entry Region and Water Tower Necropolis. The objective of geophysical measurements is to reach the informations such as detailed depths, orientations and locations of archaeological structure remnants.

Enez (Ainos) is located in the Northwestern coastal side of the Aegean Sea in which Meriç (Maritza-Hebros) River flows down to the sea. The city displaced due to alluvium accumulate which are drifted by Meriç River in contrast with its former location. Existing of settlements of Enez and its surrounding in Neolithic times has been proved. Enez has a castle ambient acropolis apex which is built on Miocene limestone rocks rise about 25 m above the sea level. The castle walls are 740 m long and are thought to have been built in the middle ages. three different cultural phases form the 2nd building level of the archaeological excavations representing the ancient Greek cultures, Archaic, Classical and Hellenistic bottom to top. In all of the openings made on the acropolis, a thick layer dated to the Hellenistic era is located just above The Classical Age layer. The 3rd cultural floor dated from the Roman Age is represented by a thin layer and whose boundaries can not be determined with certain lines.

In this study, Proton Magnetometer has been used for magnetic measurements. Across Water Tower Region, total magnetic field has been measured by magnetometer equipment on 592 m² site. Existing of remarkable regular and irregular anomalies have been detected when magnetic maps produced from magnetic measurements are examined. It is determined from excavations after measurements that regular anomalies refer to water structures of old times or current electrical cables and dispersed anomalies to graves, sarcophagus and pithos burials.

During excavations in locations where notable anomalies are found in Magnetic maps derived from magnetic measurements applied on Water Tower Necropolis, brick-walled, rock and roof-tile covered buried graves have been found. Many, solid Lekythos and skeletons were found from the graves opened. 15 sarcophagi and 59 tombs emerged from the graves opened in the Water Tower Necropolis.

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