

GEOLOGY, SEDIMENTARY ENVIRONMENTS OF THE VICINITY OF EMET AND ITS BORATE AREAS

Aydođan AKBULUT***; Aykan AYGÜN*** and Ali DÜNDAR****

ABSTRACT.— It has been aimed to indicate the Boraty unit, upper and lower units extensions and their sedimentary environments in the area of study. Lower Platy limestones, tuffs and unit of Karbasan are primary Tertiary units on the metamorphic basement. These lower units pass progressively to the Boraty unit above by the Red unit which has predominantly detritals. Green Boraty clays are in lenticular mass and pass laterally to the calcareous sandstones and sandy clays vertically to the marls and limestones either. These and other lower units are covered by the limestone and detritals of cover unit. Place in place the volcanics are present at the lower and upper part of Tertiary sequence. It takes place local travertins, terrace's detritals at the most upper part. Tertiary sedimentary sequence has Karbasan unit, Platy limestone and Red unit of the Miocene age, Boraty unit and Cover unit of the Pliocene age which their age has been indicated by limited data. Sedimentary-sequence almost completely has been present by subenvironments of the lake shore shore face and off-shore.