

NEOTECTONIC CHARACTERISTICS OF BEŞPINAR-HAVZA SEGMENT OF NORTH ANATOLIAN TRANSFORM FAULT ZONE

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ABSTRACT.- The Beşpınar-Havza segment of North Anatolian Transform Fault Zone (NATFZ) is dominated by a well developed right lateral strike-slip fault system. This system consists of well developed single fault and/or fault sets. These fault sets are: (1) Köprübaşı fault set, (2) Dereköy fault set, (3) Çeltek fault set and (4) Beyviran fault set. According to the interpretation of these faults, direction of the compressional stresses is 150° . Morpho-tectonic features with dextrally offset stream channels (7 km) and ground ruptures of the 1943 Ladik-Ilgaz earthquake of M 7.2 strongly suggest that the first fault system is an active right lateral strike-slip fault zone