

A DATA BASIS OF EARTHQUAKE-ASSOCIATED PHENOMENA IN THE CORINTH RIFT

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Earthquake occurrences in the Corinth Rift have been historically documented since the 5th century B.C. while strong shocks were recorded in the instrumental period of observation. Historical and instrumental earthquake and tsunami lists have compiled by several authors, the most recent being that of Papadopoulos (2000). However, no systematic effort was made so far to compile information about earthquake-associated phenomena, like ground failures (including liquefaction in soil, landslides and rock falls, surface fault-breaks and ground cracks), sound and light phenomena, hydrogeological changes, etc. A long number of documents, like historical texts, books, scientific publications, press reports etc., were examined and information about earthquake – associated phenomena for the Corinth Rift, were compiled and classified in several disciplines. Data of this type are quite useful in understanding better seismicity and seismotectonics, as well as in studies related to seismic hazard assessment and earthquake prediction.

Reference: Papadopoulos, G.A. (Ed.), 2000. Historical Earthquakes and Tsunamis in the Corinth Rift. *Inst. of Geodynamics, NOA, Publ. No 12, 124pp.*