

Seismicity of Cyprus

by

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DEDICATION

I would like to dedicate my project to my family.

P. Pavlou

INTRODUCTION

Throughout the world natural disasters have taken high toll of human lives and caused great property losses. It is estimated that during the last century alone about 1 million persons perished in earthquakes, and over 600 000 in hurricanes, typhoons and cyclones. The cost in property damage has been enormous.

In Cyprus over the past 100 years there have been a few damaging earthquakes, and some of them caused the death of people.

The purpose of this project is to examine the seismicity of Cyprus region for the past 100 years. The project area is located between 32° to 36° N and 31° to 35° E.

In this paper there is a general description of earthquakes of their causes and about all terms used to define an earthquake. Then after this general reference about earthquakes we come back to our primary aim, the seismicity of Cyprus. A reference to the geology of Cyprus is made, Tectonic setting, Cyprus arc, Lithological divisions, Microzonation and a description of the structural picture of Cyprus arc. A discussion about the seismicity of Cyprus follows and a reference to earthquakes in the past is made. A finally a reference to the quality of construction in Cyprus and foundation problems is made.

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