

HIGHER TECHNICAL INSTITUTE

CIVIL ENGINEERING COURSE

DIPLOMA PROJECT

CYPRUS GEOLOGICAL FORMATIONS

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Cyprus Geological Formations

by

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Project Report

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DEDICATION

I would like to dedicate my Diploma Project to one person who told me how to fight in my life and never give up no matter what.

A person who always loved me and protected me and who still protects me today.

To my beloved grandmother Mariam who is not with us today physically but who is always with us spiritually.

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Maria Ioannidou
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HIGHER TECHNICAL INSTITUTE

Nicosia-Cyprus

CIVIL ENGINEERING DEPARTMENT

**Diploma Project
1998/99**

Title: THE MAIN GEOLOGICAL FORMATIONS OF CYPRUS

Objectives:

Conduct a study of the major geological formations found in Cyprus, from available books, Geological Surveys, Maps, Reviews etc.

Terms and Conditions

The study should cover the following:

1. Anticipated Geotechnical Behaviour
2. Anticipated Engineering Problems
3. Recommended Methods of Investigation

CONTENTS

	Page
• DEDICATION	
• ACKNOWLEDGEMENTS	
• TITLE-OBJECTIVES-TERMS OF REFERENCE	
• ABSTRACT	
• AGE OF THE EARTH	
1.0 INTRODUCTION	1
1.1 GENERAL GEOLOGY AND TOPOGRAPHY	1-2
2.0 GEOLOGICAL FORMATIONS	3
2.1 THE IGNEOUS ROCKS	3-11
2.1.1 THE TROODOS IGNEOUS COMPLEX	6-7
2.1.2 THE TROODOS VOLCANIC COMPLEX	8-9
2.1.3 THE TROODOS PLUTONIC COMPLEX	9-10
2.1.4 THE MAMMONIA IGNEOUS COMPLEX	11
2.2 THE SEDIMENTARY ROCKS	11-20
2.2.1 THE TRYPA GROUP	16-17
2.2.2 THE LAPITHOS or LEFKARA GROUP	17-18
2.2.3 THE DHALI GROUP	18-19
2.2.4 THE MESSAORIA PLAIN	20
2.2.5 THE FANGLOMERATES	20
2.3 THE METAMORPHIC ROCKS	21-22
2.4 THE KERYNIA-PENTADAKTYLOS RANGE	22
3.0 THE GEOTECHNICAL BEHAVIOUR	23-27
3.1 GENERALLY	23
3.2 INTRODUCTION	24
3.3.1 CLAYS-SWELLING CLAYS	24
3.3.2 MARLS	24-25
3.4 THE CIRCUM TROODOS SEDIMENTARY SUCCESSION	25-26
3.5 THE MAMMONIA TERRANE	26
3.6 THE TROODOS TERRANE (TROODOS OPHIOLITE)	26-27
3.7 THE KERYNIA TERRANE	27

4.0	ENGINEERING PROBLEMS	28-50
4.1	INTRODUCTION	28
4.2	SWELLING SOILS	28-32
4.2.1	THE PROPERTIES OF THE ISLAND OF CYPUS SOILS	30-31
4.2.2	THE DISPLACEMENT OF STRATA IN INCLINED SOILS	31
4.2.3	DAMAGES IN BUILDINGS AND ESTABLISHMENTS	31-32
4.3	LANDSLIDES-INSTABILITY OF THE DECLIVITY	32-34
4.4	ROCK COLLAPSE	34-35
4.5	SETTLEMENTS OF FOUNDATIONS	35-39
4.5.1	MARLS	35-36
4.5.2	SWELLING SOILS	36-37
4.5.3	COASTAL LOOSE AND ORGANIC CLEAVES	37-38
4.5.4	ARTIFICIAL EMBNKMENTS	38-39
4.5.5	MAN'S ACTIVITY	39
4.6	LIQUEFACTION OF SANDS	39-40
4.7	ALTERATION OF THE GEOLOGICAL FORMATIONS	40-50
4.7.1	DECOMPOSITION	40-41
4.7.2	CORROSION	41
	NOTES ON FIGURES	42-43
	FIGURES 1,2,3,4,5,6,7	44-50
5.0	THE MINERAL WEALTH	51-61
5.1	INTRODUCTION	51
5.2	CHROMITE	51-52
5.2.1	GENESIS	52
5.2.2	EXPLOITATION OF CHROMITE	53
5.3	AMIANOTOS	53
5.3.1	GENESIS	54
5.3.2	EXPLOITATION	54
5.4	CONSTRUCTIONAL MATERIALS	54-61
5.4.1	GYPSUM	54
5.4.1.2	DISTRIBUTION DEPOSITS	54-55

5.4.2	SANDSTONES AND SANDS	55-56
5.4.3	CLAYS-BRICK- POTTERY EARTHES	56-57
5.4.4	BENTONITE	57
5.4.5	LIMESTONE	57-58
5.4.6	BUILDING STONE	58
5.4.7	CHALK AND WHITING	58-59
5.4.8	MARBLE AND ORNAMENTAL STONE	59
5.4.9	MINERAL PIGMENTS	60-61
5.4.9.1	TERRA UMBRA	60
5.4.9.2	YELLOW OCHRE	61
5.4.9.3	TERRE VERTE	61
6.0	THE SEISMIC ACTIVITY OF THE ISLAND OF CYPRUS	62-68
6.1	GENERALLY	62
6.2	CAUSES OF EARTHQUAKES	62-63
6.2.1	TECTONIC MOVEMENTS	62-63
6.2.2	EXPLOSIONS	63
6.2.3	VOLCANIC EARTHQUAKES	63
6.2.4	LARGE RESERVOIRS-INDUCED EARTHQUAKES	63
6.2.5	COLLAPSE EARTHQUAKES	63
6.3	FAULTS	63
6.4	THE EARTHQUAKES IN THE ISLAND OF CYPRUS	64-65
6.4.1	HISTORICAL EARTHQUAKES	64
6.4.2	DISTRIBUTION OF THE SEISMIC ACTIVITY	64-65
6.5	SEISMIC ZONES	65
6.6	MICROSEISMIC-MICROZONIC RESEARCH	65-66
6.6.1	MICROSEISMIC RESEARCH	65
6.6.2	MICROZONIC RESEARCH	65-66
6.7	SEISMIC CODE	66
	DISTRUCTIVE EARTHQUAKES IN THE ISLAND OF CYPRUS FROM 1886 UNTIL 1996	67-68
7.0	PHOTOGRAPHS OBTAINED FROM THE DIFFERENT REGIONS OF THE ISLAND OF CYPRUS	69-90

7.1.1	PHOTOGRAPHS OF THE TROODOS OPHIOLITIC RANGE	70-74
7.1.2	PHOTOGRAPHS OF THE MAMMONIA FORMATION	75-77
7.1.3	PHOTOGRAPHS OF THE KALAVASSOS FORMATION	78
7.1.4	PHOTOGRAPHS OF THE LEFKARA FORMATION	79-81
7.1.5	PHOTOGRAPHS OF THE PAKHNA FORMATION	82
7.2	PHOTOGRAPHS OF UNDER-CONSTRUCTION WORKS	83-85
7.3	PHOTOGRAPHS OF FAILURES AND LANDSLIDES	86-87
7.4	PHOTOGRAPHS OF DAMAGES DUE TO EARTHQUAKES	88-90
	FINAL REMARKS	91-93
	REFERENCES	94

ABSTRACT

The main objectives of this diploma project are to give a general information about the Geological Formations of the island of Cyprus, the Geotechnical Behaviour of the strata and their Engineering Problems.

As far as the Geological Formations is concerned reference is made to the most typical and at the same time important formations in the island, the three main types of rocks forming these formations, their characteristics and the way these rocks are distinguished.

More emphasis is given in the Geotechnical Behaviour of the strata and the Engineering Problems that Civil Engineers are often asked to deal with, while some solutions to these problems are recommended.

An important aspect of the above is the seismic activity of the island and the mineral wealth that includes among others the materials which are used in the construction industry.