

1 - INTRODUCTION

1. INTRODUCTION

Egypt is facing a rapid increase in population with a very limited area of cultivated land. It is, therefore, necessary to achieve expansion through agricultural development. An important approach viewed in this regard is by increasing the cultivated area. Some of the desert areas represent land of potential expansion.

Therefore, the aim of the current study is to give an important idea about soils of East El-Oweinat region, which lies in the southern part of Western desert. It considers a promising area, especially it has a great amount and best quality of ground water under high hydrostatic pressures.

Pedological studies and land capability have been carried out for the studied area, which involve the soil properties concerning morphological, physical, chemical and mineralogical aspects. Soil taxonomy and tentative evaluation of the studied area, as well as selection of suitable crops and their water requirements will be presented.