



شبكة المعلومات الجامعية

بِسْمِ اللَّهِ الرَّحْمَنِ الرَّحِيمِ





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# شبكة المعلومات الجامعية

## التوثيق الالكتروني والميكرو فيلم

# جامعة عين شمس

التوثيق الالكتروني والميكرو فيلم

## قسم

نقسم بالله العظيم أن المادة التي تم توثيقها وتسجيلها  
علي هذه الأفلام قد اعدت دون أية تغيرات



## يجب أن

تحفظ هذه الأفلام بعيداً عن الغبار

في درجة حرارة من 15 – 20 مئوية ورطوبة نسبية من 20-40 %

To be kept away from dust in dry cool place of  
15 – 25c and relative humidity 20-40 %



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# بعض الوثائق الأصلية تالفة



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بالرسالة صفحات  
لم ترد بالأصل

**HYDROGEOLOGICAL ASSESSMENT OF  
THE FLUCTUATION OF  
GROUNDWATER LEVELS IN THE  
QUATERNARY AQUIFER IN THE AREA  
BETWEEN BENI SUEF AND GIZA, NILE  
VALLEY- EGYPT.**

Thesis submitted in partial Fulfillment of the requirements for  
the degree of Master of Science in Geology (Hydrogeology)

By

**SAMAH MAHMOUD MORSY SAAD**

B. Sc. in Geology

To

Faculty of Science  
Geology Department  
Ain Shams University  
Cairo, Egypt

1999

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كلية العلوم

## Approval Sheet

# HYDROGEOLOGICAL ASSESSMENT OF THE FLUCTUATION OF GROUNDWATER LEVELS IN THE QUATERNARY AQUIFER IN THE AREA BETWEEN BENI SUEF AND GIZA, NILE VALLEY- EGYPT.

By  
**SAMAH MAHMOUD MORSY**

Thesis submitted in partial Fulfillment of the requirements for  
the degree of Master of Science in Geology  
"HYDROGEOLOGY"

### Supervisors:

Prof. Dr. **EZZAT ALI KORANY**

Prof. Of Hydrogeology, Geology Department,  
Faculty of Science, Ain Shams University

Prof. Dr. **MOUSTAFA MOHAMED SOLIMAN**

Prof. Of Hydraulics , Hydraulics Department,  
Faculty of Engineering, Ain Shams University

Dr. **MADIHA MOUSTAFA HASSAN**

Head of Information & Dissemination Department,  
Research Institute For GroundWater

1999



part 12

### Note

The present Thesis is submitted to the Faculty of Science, Ain Shams University, in partial fulfillment for the requirements of master of science degree in geology. In addition, to the research work materialized in this Thesis, the author attend ten post graduate courses for one academic year in the following topics:

1. Field Geology
2. Statistical Geology
3. Physical Properties of Rocks
4. Formation Evaluation
5. Sedimentary Petrology
6. Sedimentation
7. Hydrogeology
8. Fluid Dynamics
9. Lithostratigraphy
10. Structure Geology
11. English Language

She has successfully passed the final examination of these courses.

Head of Geology Department  
Professor Dr. Samir A. A.



***To My Father and To My Mother***



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