AIN SHAMS UNIVERSITY
FACULTY OF ENGINEERING

IRRIGATION & HYDRAULICS DEPARTMENT

EFFECT OF DETACHED BREAKWATERS ON SHORELINE CHANGES

By

THARWAT EID ATTWA SARHAN

B.Sc. Civil Engineering , Suez Canal University.
M.Sc. Civil Engineering , Mansoura University.

A thesis submitted in partial fulfillment for Ph.D.
in Hydraulics and Irrigation.

Supervised by

Prof. Dr. ABDEL MOHSEN EL MONGY
Professor of Harbors&Coastal Engineering and Inland Navigation,
Irrigation & Hydraulics Department,
Faculty of Engineering,
Ain Shams University.

Dr. MAHMOUD SAMY ABDEL-SALAM MOHAMED
Ass. Professor of Hydraulics,
Irrigation & Hydraulics Department,
Faculty of Engineering,
Ain Shmas University.

Dr. HUSSEIN KAMEL MOSTAFA AHMED
Dpt. Head Coastal Eng. Division,
Suez Canal Research Center,
Suez Canal Authority.

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1. **Prof. Dr. Mahmoud Helmy Awad** AWAD
   Advisor of Harbors Authority
   Alexandria

2. **Prof. Dr. Abdel Fattah El Fiky** A. El-F.
   Professor of Harbors, Coastal Engineering and Hydraulics,
   Faculty of Engineering, Ain-Shams University.

3. **Prof. Dr. Abdel Mohsen El Mongy**
   Professor of Harbors and Inland Navigation,
   Faculty of Engineering, Ain-Shams University.

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Dedication

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Tharwat Sarhan

Tharwat Sarhan

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