



**Institute of Hydraulics & Hydrology,
Poondi - 602 023**

welcome

Institute of Hydraulics & Hydrology, Poondi - 602 023

ACTIVITIES

Hydraulic Model Studies

Model trays available

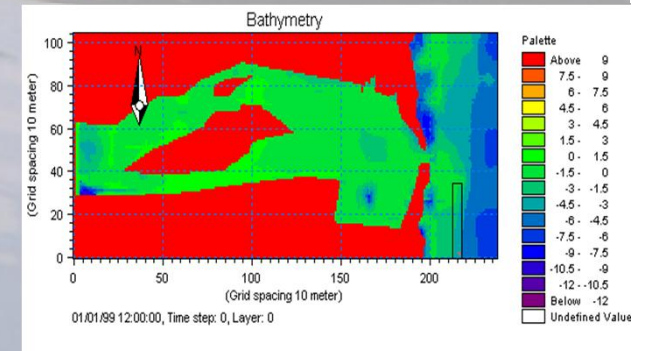
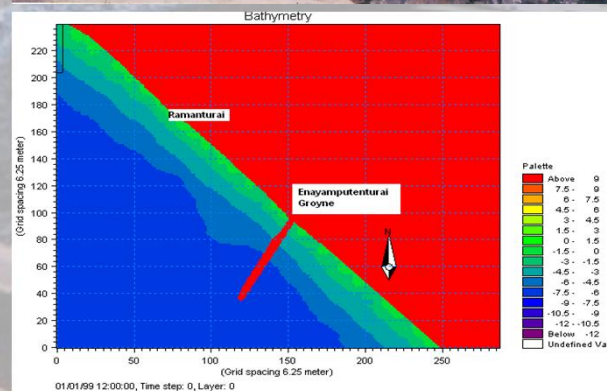
Coastal Model Studies

Facility for 2D and 3D Physical model study

Mike-21 for numerical model studies

Observation of Beach width along the coast

Sedimentation survey of reservoirs





Institute of Hydraulics & Hydrology, Poondi - 602 023

Type of studies

Energy dissipation structures

River training works

Layout of harbours

Shoreline evolution

Calibration of structures

Geometry of tail race channel for power houses



Institute of Hydraulics & Hydrology, Poondi - 602 023

Important studies

- É Coastal defense structures for North Madras**
- É Protection measures to Sriharikota Islands**
- É Stability studies for Colachel breakwater for CLI France**
- É Shore protection measures for coast of Tamil Nadu after Tsunami**
- É Energy dissipation arrangements for Panchana reservoir in Rajasthan**

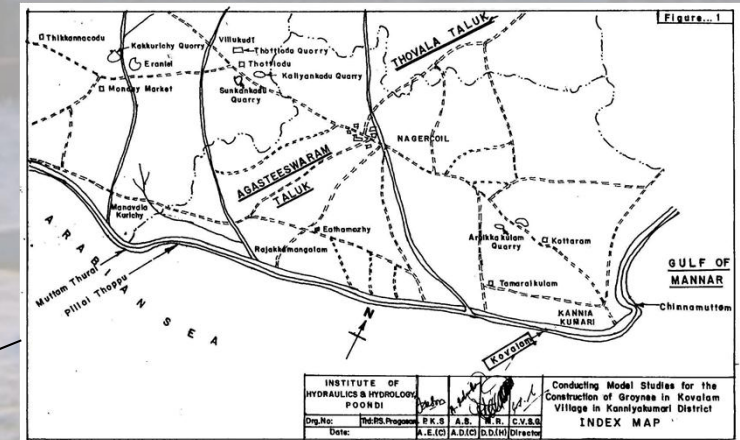
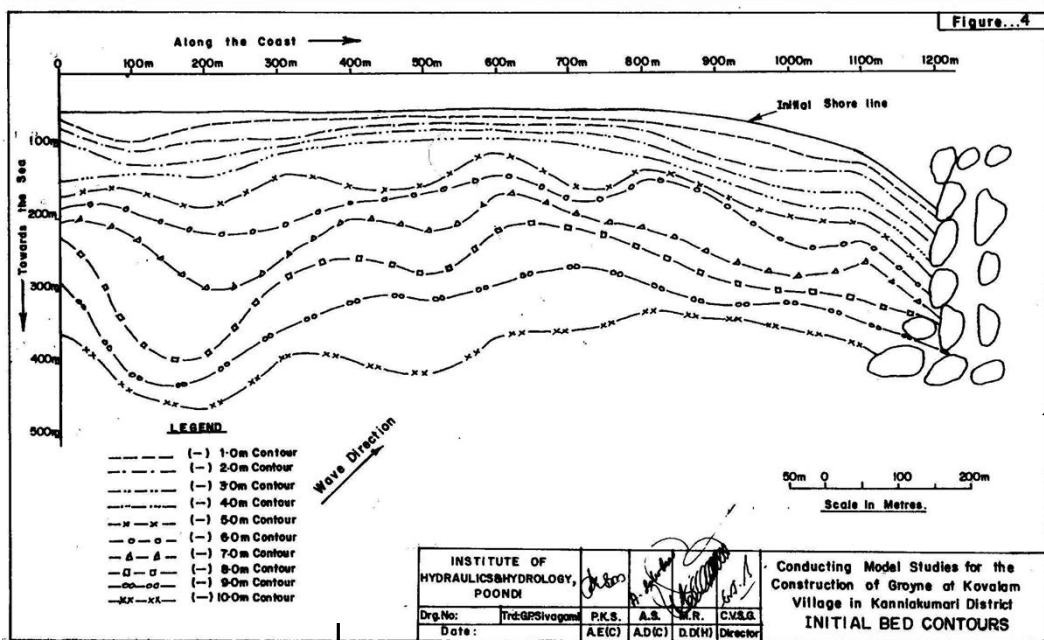
PROCEDURES

- **SPACE**
- **DISCHARGE**
- **TYPE**
- **SCALE**
- **CONSTRUCTION**
- **CALIBRATION**
- **TRIAL RUNS**

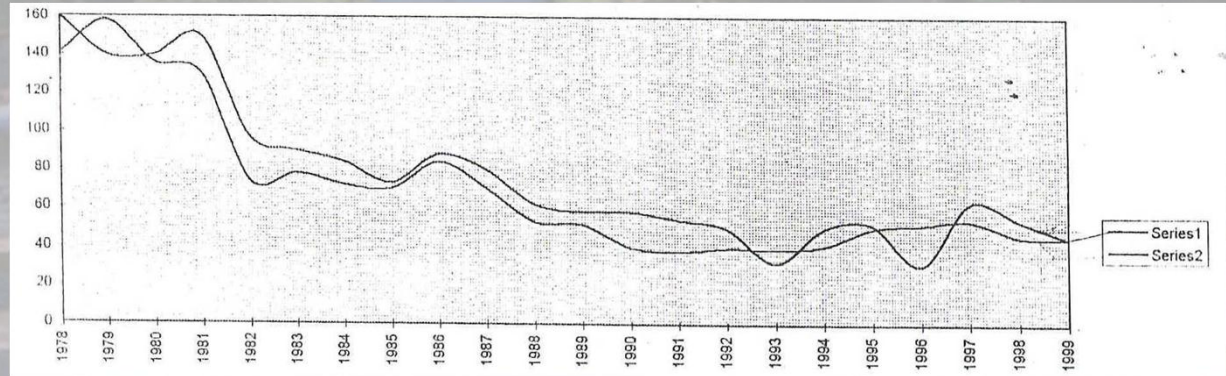
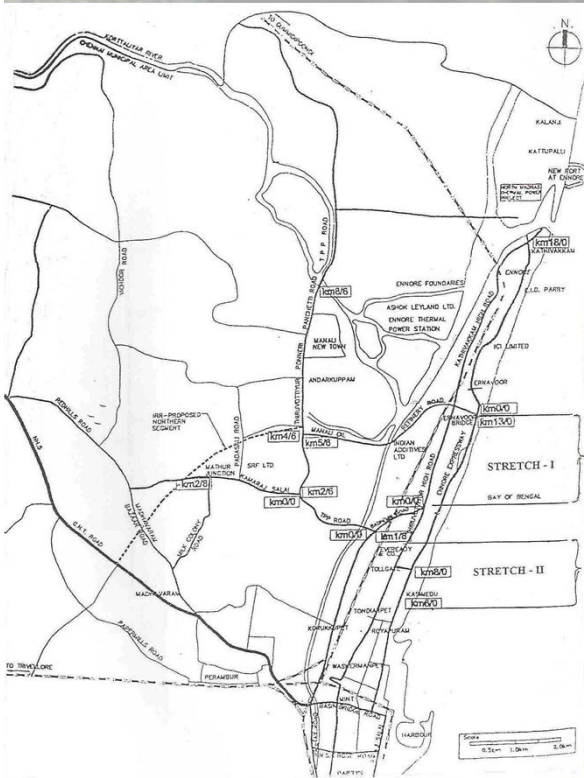
FIELD DATA

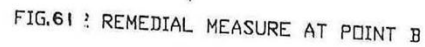
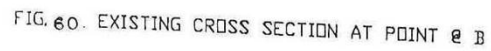
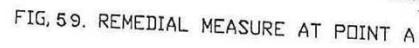
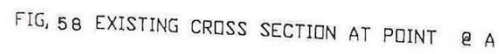
- **DISCHARGE**
- **WAVE CLIMATE**
- **BATHYMETRY**
- **SHORELINE DETAILS**
- **LITTORAL DRIFT**
- **IMAGERIES**

CASE STUDY 1 GROIN AT KOVALAM

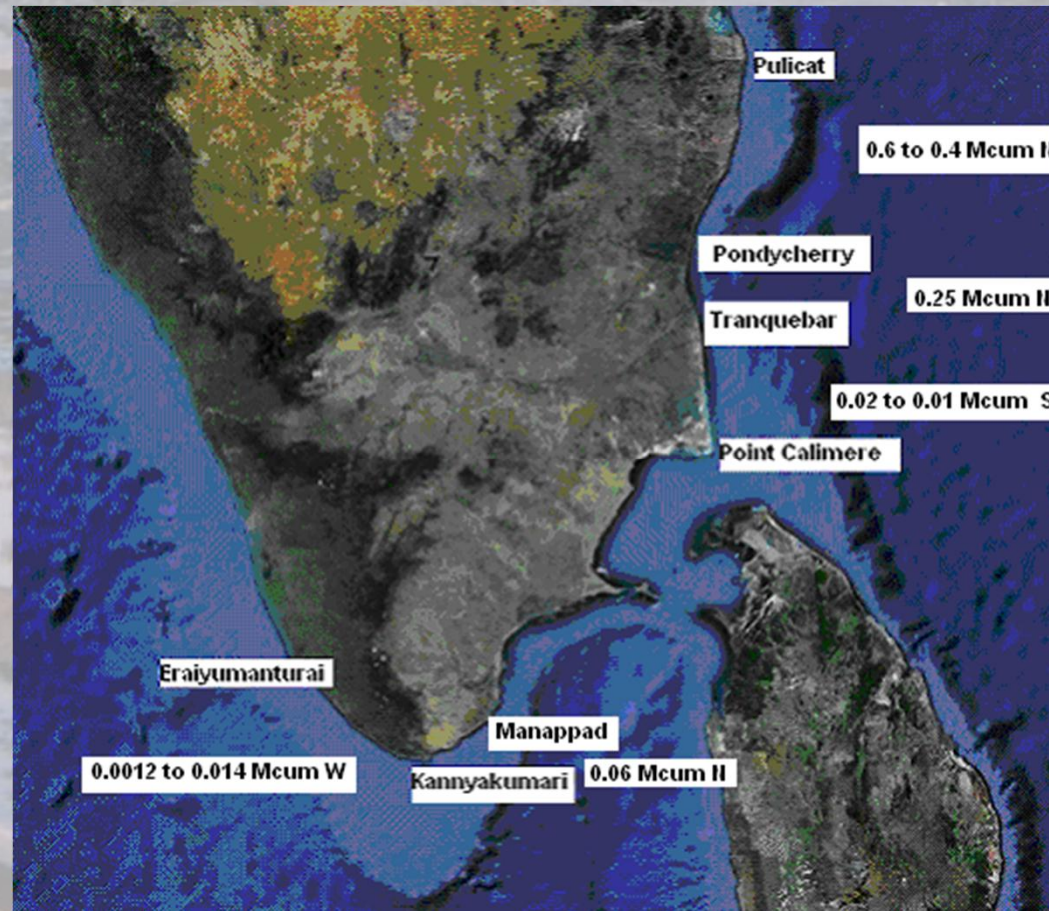


CASE STUDY 2 GROIN FIELD ALONG NORTH CHENNAI



[illegible]

Institute of Hydraulics & Hydrology, Poondi - 602 023



THANK YOU ALL

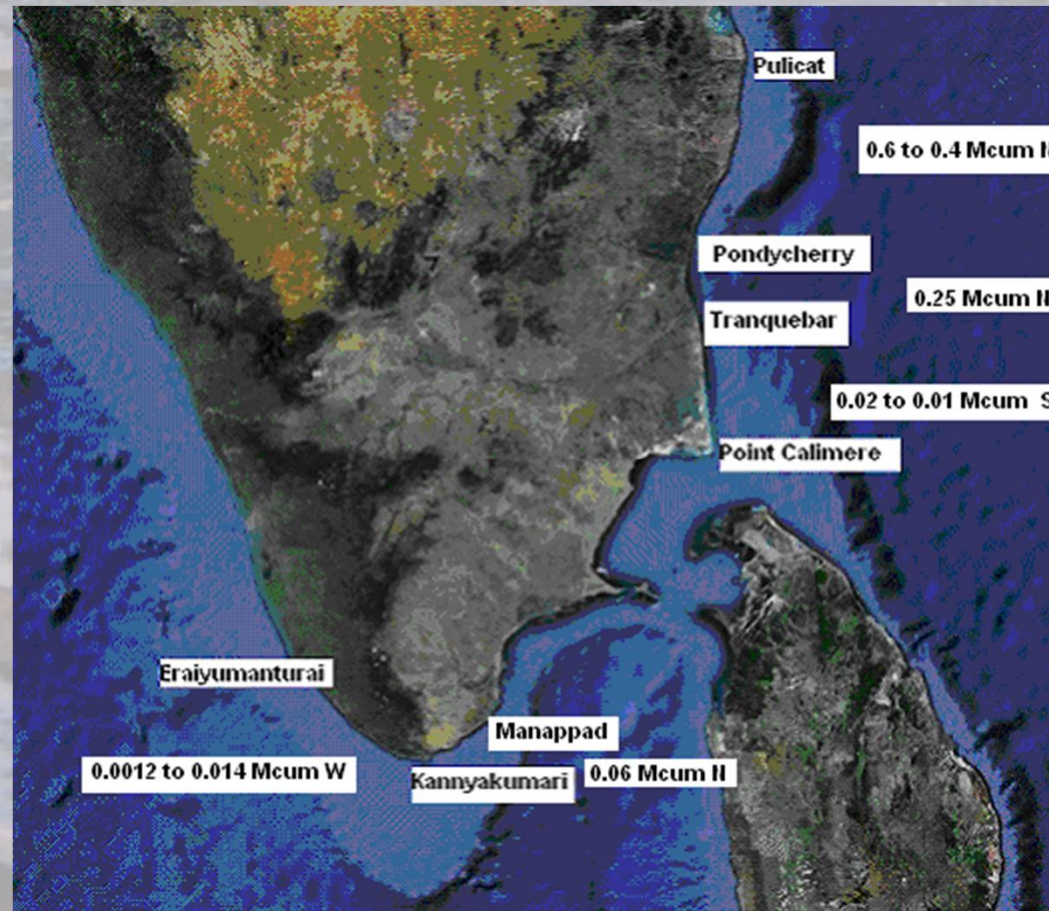


SW



NE

Institute of Hydraulics & Hydrology, Poondi - 602 023



Institute of Hydraulics & Hydrology, Poondi - 602 023

**THANK YOU
ALL**