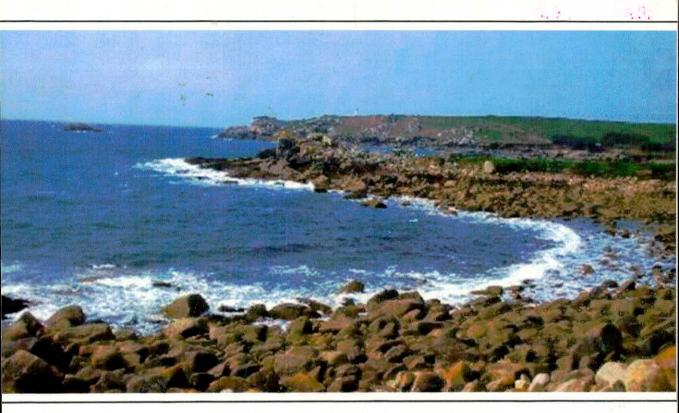
Coastal Groundwater Monitoring, Assessment & Management

Training Course, Rajkot (March 4-8, 2013)



Editors:

Dr. Anupma Sharma

Dr. N.C. Ghosh Mr. C.P. Kumar

Dr. Surjeet Singh

Organised by

National Institute of Hydrology, Roorkee

in collaboration with

Gujarat Water Resource Development Corporation Ltd., Gandhinagar

Coastal Groundwater Monitoring, Assessment & Management

Proceedings

Training Course under Hydrology Project - II

Rajkot (March 4-8, 2013)

Editors:
Dr. Anupma Sharma
Dr. N.C. Ghosh
Mr. C.P. Kumar
Dr. Surjeet Singh

Organized by



National Institute of Hydrology, Roorkee

in collaboration with



Gujarat Water Resources Development Corporation Ltd., Gandhinagar

CONTENTS

1.	Managed Aquifer Recharge N.C.Ghosh	1
2.	Riverbank Filtration for Sustainable Water Supply N. C. Ghosh	19
3.	Assessment of Groundwater Potential C. P. Kumar	31
4.	Coastal Zone Monitoring Protocols Anupma Sharma	53
5.	Geoelectrical Characterisation and Behaviour of Laterites in the Konkan Coast, India A.G.Chachadi	71
6.	Groundwater Data Requirement and Analysis C. P. Kumar	81
7.	Seawater Intrusion Mapping Using Modified GALDIT Indicator Model A.G.Chachadi	107
8.	Land - Water Linkages and Socioeconomic Challenges with Special Reference to Coastal Zones	121
9.	B.K.Purandara Quantification of Natural Groundwater Recharge Surject Singh	135
10.	Aquifer Mapping Sudhir Kumar	147

11.	Statistical Trend Analyses of Different Time Series Data	165
	Surjeet Singh	
12.	Water Quality Monitoring Planning	173
	C.K. Jain	
13.	Technological Options for the Removal of Arsenic with Special Reference to South East Asia	197
	C.K. Jain	
14.	Groundwater Development and Management in Coastal Zones	211
÷	Anupma Sharma	
15.	Isotope Applications for Coastal Groundwater	219
	M.S. Rao	