

Contents

PREFACE	V11
Characteristics of Wave Records in the Coastal Zone	1
A Basic Description of Sediment Transport on Beaches	53
Equations for Water Waves and the Approximations behind Them	95
Wave Resonance near Shores	123
Wave Behavior near Caustics in Models and in Nature	163
Harmonic Generation in Shallow Water Waves	181
Recent Progress in the Study of Longshore Currents	203
Sediment Suspension by Water Waves	249

CONTENTS

Forms of Sediment Accumulation in the Beach Zone	297
Run-up on Beaches	357
Universities of Wisconsin and Essex Albion D. Taylor	
National Oceanic and Atmospheric Administration Silver Spring, Maryland	
Wave Breaking in Shallow Water	413
INDEX	457

