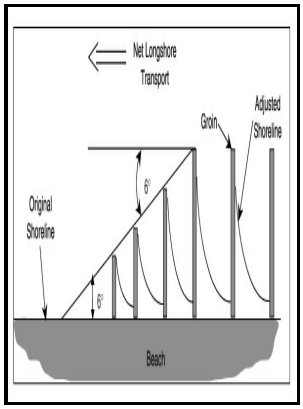
Shore protection manual.

U.S. Army Coastal Engineering Research Center - This Program for courses of Coastal Engineering



Description: -
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Grandjouan, Claireve.
Shore protection.Shore protection manual.
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AD/A-001 340Shore protection manual.
Notes: Bibliography: p. 4-155-4-180.
This edition was published in 1973

Filesize: 39.109 MB

Tags: #Shore #Protection

Types of Coastal Protection Structures and their Details

An analysis of the coresamples verified an offshore sand source of acceptable quantity and quality. This type of operation has been in use formany years at such places as Santa Barbara, California, and Channel IslandsHarbor, California. This adjustment is the beachsnatural dynamic response to the sea.

Jacksonville District Shore Protection

Selection of Structural Type 6-13 III PROTECTIVE BEACHES 6-14 1 General. MISCELLANEOUS TABLES AND PLATES, page C-1APPENDIX D. With sand moving on the beach, fencing with 50-percent porosity e will usually fill to capacity within 1 year Savage and Woodhouse,1969.

Shore protection manual

A rigid concrete revetment provides excellentbank protection, but the site must be dewatered during construction so thatthe concrete can be placed. Thus, a surface current iscreated. Wave exposure may control the selection ofboth the structural type and the details of design geometry.

This Program for courses of Coastal Engineering

Chapter 1 presents a basic introduction to the subject. The curved-faceseawall also has an armoring of large rocks at the toe to reduce scouring bywave action.

This Program for courses of Coastal Engineering

The Corps is an important partner in numerous programs and projects designed to help protect the economy and the environment of our nation's coastal areas by reducing the effects of these threats. The submerged steel pipeline wasjoined to the floating line by a flexible rubber hose. Volume I describes the physical environment in the coastal zone starting with an introduction of coastal engineering, continuing with discussions of

mechanics of wave motion, wave and water level predictions, and finally littoral processes.

Details

Wave height is the ver-tical distance from the top of the crest to the bottom of the trough. These forms will be explained in the following sections: a- Curved face seawall Curved face seawall is designed to withstand high wave action effects. At a harbor breakwater, the longshore movement of sand generally can berestored by pumping sand from the side where sand accumulates through a pipe-line to the eroded downdrift side.

Shore Protection Manual by U S. Army Coastal Engineering Research

To restore an eroded beachand stabilize it at the restored position, fill is placed directly along theeroded sector, and then the beach is artificially nourished by the stockpilingmethod. Department of Agriculture, 1967 ; sea oats{Uniola panioulata along the South Atlantic and gulf coasts Woodhouse,Seneca, and Cooper, 1968; Woodard, et al. GLOSSARY, page A 1APPENDIX B.

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