

D.4.13 Acronyms

The Federal Emergency Management Agency (FEMA) has an extensive list of acronyms posted on the FEMA website at <http://www.fema.gov/fhm/dl_cgs.shtm>, *Acronyms and Abbreviations*. The acronyms below are specific to this document and include some of the acronyms given in the FEMA list.

1-D	One-Dimensional
2-D	Two-Dimensional
BFE	Base Flood Elevation
BST	Bathystrophic Storm Tide
CDF	Cumulative Distribution Function
CDIP	Coastal Data Information Program
CEM	Coastal Engineering Manual
CERC	Coastal Engineering Research Center
CFR	Code of Federal Regulations
CHL	Coastal and Hydraulics Laboratory
DFIRM	Digital Flood Insurance Rate Map
DIM	Direct Integration Method
DWLX%	Dynamic water levelX%
ENSO	El Niño, Southern Oscillation
EST	Empirical Simulation Technique
FEMA	Federal Emergency Management Agency
FIRM	Flood Insurance Rate Map
FIS	Flood Insurance Study
FNMOCC	Fleet Numerical Meteorology and Oceanography Center
<i>G&S</i>	<i>FEMA Guidelines and Specifications</i>
GEV	Generalized extreme value
GIS	Geographic Information Systems
GROW	Global Reanalysis of Ocean Waves
JONSWAP	Joint North Sea Wave Project
JPM	Joint Probability Method
LIDAR	Light Detection and Ranging (System)
MHHW	Mean higher high water
MHLW	Mean higher low water
MHW	Mean high water
MII	Meteorology International Inc.
MLHW	Mean lower high water

MLLW	Mean lower low water
MLW	Mean low water
MLWP	Most Likely Winter Profile
MSL	Mean Sea Level
MTL	Mean tide level
MWD	Main wave direction
MWL	Mean water level
NAVD	North American Vertical Datum
NDBC	National Data Buoy Center
NFIP	National Flood Insurance Program
NGDC	National Geophysical Data Center
NGVD	National Geodetic Vertical Datum
NOAA	National Oceanic and Atmospheric Administration
NOS	National Ocean Survey
NWS	National Weather Service
PDF	Probability Density Function
PFD	Primary Frontal Dune
POT	Peak-over-threshold
rms	Root mean square
RWL	Reference water level
SOEN	Southern Oscillation El Niño
SPM	Shore Protection Manual
SPR	Special problem report
STWL	Static water level
SWL	Still water level
TAW	Technical Advisory Committee for Water Retaining Structures
TSDN	Technical Support Data Notebook
TWG	Technical Working Group
TWL	Total water level
USACE	U.S. Army Corps of Engineers
USGS	U.S. Geological Survey
WHAFIS	Wave Height Analysis for Flood Insurance Studies
WIS	Wave Information Studies
WISE®	Watershed Information SystEm, a registered trademark of Watershed Solutions, Inc.