



US Army Corps  
of Engineers®

## Flood & Coastal Storm Damage Reduction R&D Program

# CSHORE

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<b>Description</b>	CSHORE is a beach profile morphological change model.
<b>Benefits</b>	This process-based model provides predictions of hydrodynamics and beach profile evolution over the nearshore region.
<b>Status</b>	The one-dimensional numerical model CSHORE has been under development for the past several years, approaching a practical and accurate code. Executable code is available along with a graphical user interface. The CSHORE model is available to the U.S. Army Engineer Research and Development Center (ERDC) and USACE District users.
<b>Distribution Source(s)</b>	The computer code along with example applications is available by contacting the Point of Contact listed below.
<b>Available Documentation</b>	A manual complete with theoretical underpinnings, calibration efforts is available in a Technical Report to be published in 2010.
<b>Available Training</b>	Training is available on a personal basis only.
<b>Available Support</b>	Support is provided by the Point of Contact listed below.
<b>Application</b>	Users include the University of Delaware, Scripps Institute, and ERDC.
<b>Point of Contact</b>	Bradley Johnson, Ph.D., Coastal and Hydraulics Laboratory, U.S. Army Engineer Research and Development Center, Vicksburg, MS, (302) 650-0506, Email: <a href="mailto:Bradley.D.Johnson@usace.army.mil">Bradley.D.Johnson@usace.army.mil</a>  More information can be found at: <a href="http://www.frf.usace.army.mil/morphos/">http://www.frf.usace.army.mil/morphos/</a> .
<b>Partners</b>	ERDC; University of Delaware.