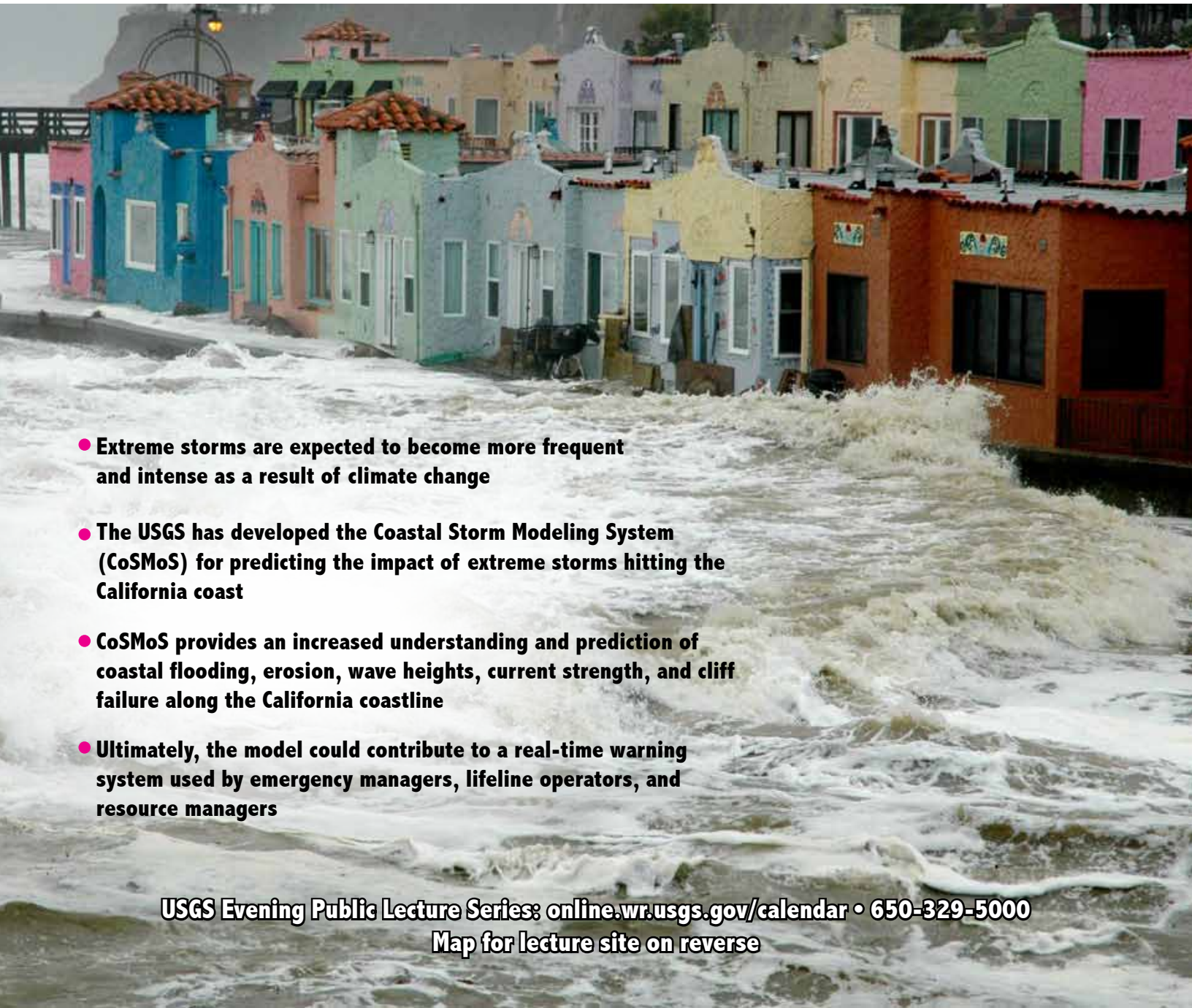


# Is Our Coast in Jeopardy?

*— predicting the impact of extreme storms on the California Coast*

Free Public Lecture • **February 24, 2011**, 7PM • USGS Conference Room A, Bldg 3 • 345 Middlefield Road, Menlo Park

by **Patrick Barnard, USGS Pacific Coastal & Marine Science Center**



- **Extreme storms are expected to become more frequent and intense as a result of climate change**
- **The USGS has developed the Coastal Storm Modeling System (CoSMoS) for predicting the impact of extreme storms hitting the California coast**
- **CoSMoS provides an increased understanding and prediction of coastal flooding, erosion, wave heights, current strength, and cliff failure along the California coastline**
- **Ultimately, the model could contribute to a real-time warning system used by emergency managers, lifeline operators, and resource managers**

**USGS Evening Public Lecture Series: [online.wr.usgs.gov/calendar](http://online.wr.usgs.gov/calendar) • 650-329-5000**

**Map for lecture site on reverse**