



Seymour Center presents lecture on climate change and coastal erosion

SANTA CRUZ, CA—Gary Griggs, UC Santa Cruz Professor of Earth and Planetary Sciences and Director of the Institute of Marine Sciences will discuss climate change and coastal erosion in a public lecture at the Seymour Center at 1 p.m. on Sunday, August 15. Griggs' talk, "Climate Change, Rising Sea Levels and Coastal Retreat," is part of the Science Sunday lecture series at the Seymour Center at Long Marine Laboratory. The event is free with paid admission or membership.

For the past several years climate change has become a hot button topic and even mentioning global warming seems to polarize many people. There are both natural causes and also human activities that have contributed to climate change. Regardless of the causes, one response to a warming climate has been the melting of ice caps and glaciers and the warming of the oceans, which both raise sea level. The level of the ocean has been rising since the last Ice Age ended 18,000 years ago, and the shorelines of the world have been gradually moving landward or retreating in response.

In his Science Sunday talk, Gary will talk about what drives climate change, how sea level has changed over the past several hundred thousand years, and what some of the projections are for future sea levels along our shoreline. He will also illustrate how the coastline of Santa Cruz has changed over the past century and present some perspectives on where we might go from here and options for the future.

Gary Griggs' interest in surfing and the coastline led him to an undergraduate degree in Geology at UC Santa Barbara and a Ph.D. in Oceanography from Oregon State University. He is one of UCSC's pioneer faculty and is a Distinguished Professor of Earth and Planetary Sciences and Director of the Institute of Marine Sciences. He has been studying the coast of California for the past 42 years and has just come out with a new book, his 6th, Introduction to California's Beaches and Coast. Gary also writes a bi-weekly column for the Santa Cruz Sentinel, Our Ocean Backyard. He was honored last year, along with several others including Julie Packard and Pierce Brosnan, by the California Coastal Commission and Sunset Magazine, as a Coastal Hero for his work on the California coast. Two years ago he received the UC Santa Cruz Alumni Distinguished Teaching Award.

Located in Santa Cruz on the bluffs overlooking Monterey Bay, the Seymour Center provides exciting and engaging ocean education programs for the visiting public and for students of all ages. It is dedicated to educating youth, families, and the general public about the role science plays in the understanding and conservation of the



world's oceans. The Seymour Center is open six days a week, year-round, and serves more than 60,000 people each year.

WHAT:	<i>Science Sunday at the Seymour Center</i> <i>Climate Change, Sea Level Rise and Coastal Retreat</i>
FEATURING:	Gary Griggs, UC Santa Cruz Professor of Earth and Planetary Sciences and Director of the Institute of Marine Sciences
WHEN:	Sunday, August 15, 2010 1:00 PM
WHERE:	Seymour Center at Long Marine Lab La Feliz Room End of Delaware Ave. Santa Cruz, CA 95060
ADMISSION:	Free with admission to the Seymour Center (\$6 Adults / \$4 Students or Seniors) Free for Seymour Center Members and UC Santa Cruz undergraduates
INFORMATION:	(831) 459-3800 or http://seymourcenter.ucsc.edu