

## **Genesis of Change: Land Intertwined with the Sea**

Kim McCoy

OceanSensors

Since antiquity, winds have transformed their energy into waves, crossing oceans, and dying away upon distant shores. Today, our ocean and atmosphere flow differently, cascading with newfound waves of energy. Coral reefs and beach faces protect our coastal homes, crops, infrastructure and centers of commerce. These are challenged by seawater - degrading soils and spoiling aquifers - while upstream watershed dynamics is altering coastal erosion and sedimentation.