***Important information to accompany* the**

***Ocean – Continent Subduction Movie***

This movie illustrates the geologic processes commonly found at ocean-continent subduction zones. It was originally created to show the formation of Cretaceous rocks in California, including the Sierra Nevada granite batholiths, Great Valley sediments, and the Franciscan Formation accretionary wedge, but it applies in a general way to many ocean-continent subduction zones past and present.

It was drawn and animated by Tanya Atwater and John Iwerks using Photoshop, Morph and FinalCut. The work was partially supportedby a National Science Foundation Director's Award for Distinguished Teaching Scholars, and by grants and services from the U.C.S.B. Office of Instructional Development.

The animation clips and materials on this site are free works. You may download, copy, distribute, and modify them as suits your purposes. Acknowledgement of authorship and reference to this website is appreciated.

Note that many were constructed in the early 2000s when computer files were much more restricted in size and delivery rate. Hopefully some are still useful.

Complaints, corrections, comments and, especially, suggestions for how to make these materials more useful are always welcomed: [atwater@geol.ucsb.edu](mailto:atwater@geol.ucsb.edu)