

GG 140 - The Atmosphere, the Ocean and Environmental Change with Professor Ronald B. Smith

Lecture 19 – Ocean Bathymetry and Water Properties

2. Plate Tectonics. Image credit: Addison Wesley Longman, Inc http://www.mun.ca/biology/scarr/Plate_Tectonics.html (Accessed Oct. 20, 2011)
3. Plate Tectonics. Image credit: USGS <http://geology.com/plate-tectonics.shtml> (Accessed Oct. 20, 2011)
5. Plate Tectonics. Image credit: USGS <http://www.nature.nps.gov/geology/usgsnps/gtime/gtime1.html> (Accessed Oct. 20, 2011)
6. Ocean crust and continental crust. Image credit: Brooks Cole Publishing.
<http://spot.pcc.edu/~aodman/GS%20107%20web/earth,venus,mars/earthmarsvenusindex.htm> (Accessed Oct. 20, 2011)
7. Hypsometric curve. Image credit: unknown. <http://www3.geosc.psu.edu/~dmb53/DaveSTELLA/Carbon/hypso.gif> (Accessed Oct. 20, 2011)
9. Acoustic depth profiling. Image credit: USGS. <http://woodshole.er.usgs.gov/operations/sfmapping/sonarhist.htm> (Accessed Oct. 20, 2011)
10. Ocean bathymetry. Image credit: unknown. http://www.pacificislandtravel.com/nature_gallery/platetectonics.html (Accessed Oct. 20, 2011)
11. World ocean bathymetry. Image credit: Russell E. McDuff and G. Ross Heath. <http://www2.ocean.washington.edu/oc540/lec01-1/> (Accessed Oct. 20, 2011)
13. Atlantic Ocean bathymetry. Image credit: NOAA. http://en.wikipedia.org/wiki/File:Atlantic_bathymetry.jpg (Accessed Oct. 20, 2011)

15. Arctic Ocean bathymetry. Image credit: Intergovernmental Oceanographic Commission (IOC), the International Arctic Science Committee (IASC), the International Hydrographic Organization (IHO), the US Office of Naval Research (ONR), and the US National Geophysical Data Center (NGDC). <http://geology.com/world/arctic-ocean-bathymetry-map.shtml> (Accessed Oct. 20, 2011)
17. Sea surface temperature. Image credit: Unisys Weather. <http://weather.unisys.com/archive/sst/sst-000827.gif> (Accessed Oct. 20, 2011)
18. Sea surface salinity. Image credit: unknown. <http://rs-nautical.blogspot.com/2011/04/sea-salinity.html> (Accessed Oct. 20, 2011)
19. Nansen Bottle. Image credit: unknown. http://www.oceanecology.ca/water_sampling.htm (Accessed Oct. 20, 2011)
- Nansen Bottle. Image credit: Dietrich et al. <http://oceanworld.tamu.edu/students/satellites/satellite2.htm> (Accessed Oct. 20, 2011)
20. CTD and rosette. Image credit: Flickr user CIOERT. <http://www.flickr.com/photos/cioert/4809433560/in/photostream> (Accessed Oct. 20, 2011)
22. Autonomous benthic explorer. Image credit: Woods Hole Oceanographic Institute. <http://auvac.org/configurations/view/135> (Accessed Oct. 20, 2011)
23. Typical ocean soundings. Image credit: The Earth Institute of Columbia. http://ocp.ldeo.columbia.edu/climatekidscorner/whale_dir.shtml (Accessed Oct. 20, 2011)