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12.001 Introduction to Geology
Spring 2008

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Well-sorted sand and poorly sorted sand

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Symmetrical ripples and As Symmetrical ripples

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Load casts

Cross-stratification

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Festoons and cross-stratification

Hummocky cross-stratification

Lithification

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Quartz sand grains

Calcite cement

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Conglomerate

Sandstone

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Shale

Limestone

Gypsum

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Halite

Chert

Sedimentary? In a way...



Layered gabbro, Mull, Scotland (Elkins-Tanton, 2005)

Unconformity: Moine sediments below, Jurassic lavas above

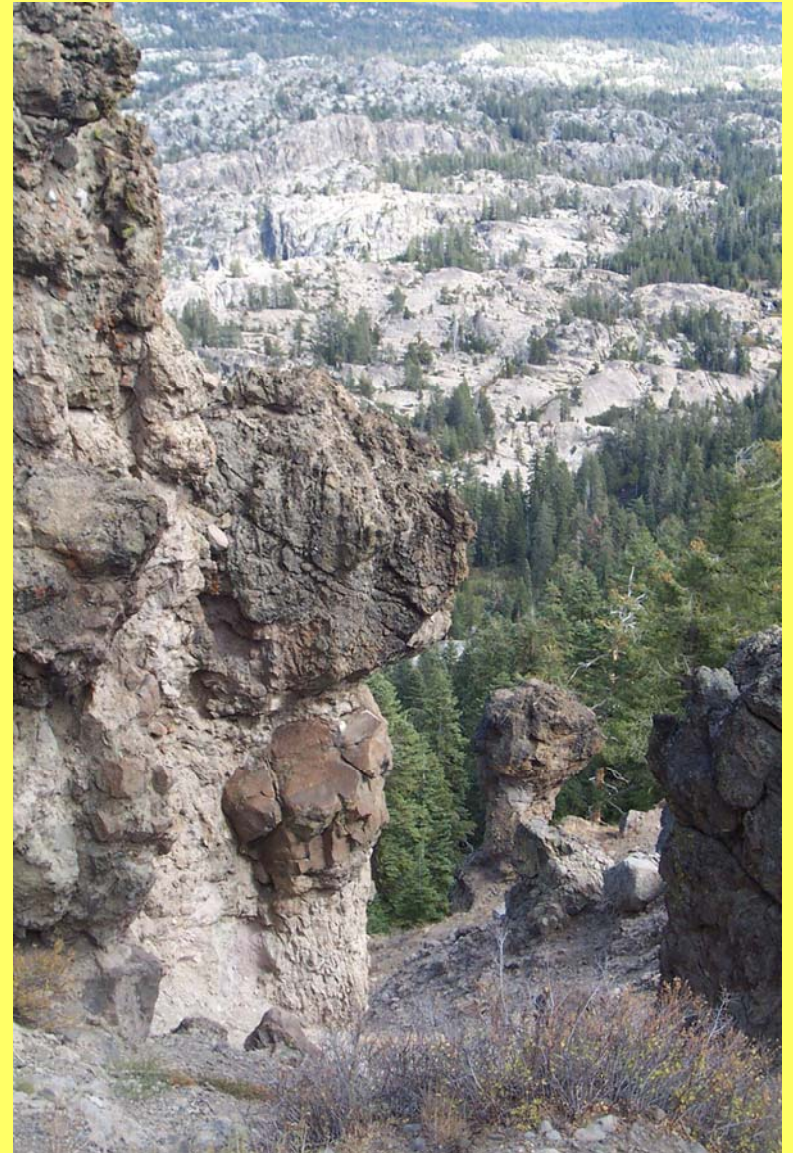


Elkins-Tanton, 2005

High-energy conglomerates and breccias, Sierra Nevada



Elkins-Tanton, 2007





Debris flow, Swiss Alps near Zermatt



Elkins-Tanton, 2003



Elkins-Tanton