

## **EASC 302: MUDROCK HAND SAMPLE AND THIN SECTION DESCRIPTION ASSIGNMENT**

**Descriptions are Due Oct 28, 2015. Please submit them to Jonathan Broadbent.**

### **ASSIGNMENT: FULLY DESCRIBE TWO (2) SAMPLES FROM *EACH* SERIES**

Refer to your mudstone lecture notes for terminology regarding bedding, lamination, stratification, fissility, bioturbation etc. If you can determine the % Total Clay, % Total Quartz and % Total Carbonate, you might wish to include a compositional classification, based on Lazar et al. (2015).

#### **SERIES 1: Hand Specimens**

A  
B  
C PM-03-81A  
D SD06-SB4-2  
A9 (use magnification when doing your sketch)

#### **SERIES 2: Thin Sections**

MTB93-054A  
MTB95-005  
MTB95-012A  
MTB95-135A  
MTB95-154A  
13-29 458-27  
3-33 A 458  
3-33 B 458  
6-34-18-16W4 30  
14-33-18-16W4 24  
JAM2  
JAM3  
LP Basin  
Cambrian SK  
11-35-38-10W4 851 1714.07-14  
11-35-38-10W4 851 1721.87-91  
11-35-38-10W4 851 1724.32-36

**AS BEFORE, DO NOT MAKE THE MISTAKE OF ONLY LOOKING AT THE  
MINIMUM (2) SAMPLES NECESSARY FOR THE ASSIGNMENT!**