

EARTH 471: Laboratory 4 – Volcanogenic Massive Sulphide (VMS) Deposits

In groups of 3 or 4, complete exercises 1, 2 and 3. Before the beginning of lab 4, your team must hand in exercises 1–3 (hard copy preferred) to either the instructor or the teaching assistant. See the **updated** sample description forms on the LEARN site for what information to include in your sample descriptions.

Exercise 1: Describe one hand sample from each of the 4 groups.

Group 1: E38-17, E6-26, E38-7, E31-12, E31-20

Group 2: E38-10, E31-15, E63-21, E63-22

Group 3: E38-3, E38-2, E31-2, E63-23

Group 4: E38-8, E38-5, E6-6, E63-29

Exercise 2: Describe one polished section from each of the following three groups.

Group 1

A156, A503, A502, A481

Group 2

B38, B39, A476, A477, A478

Group 3

A480, A482

Exercise 3: You just described 4 hand samples and 3 polished sections. Indicate where you think each of the 7 samples is from in a VMS system and very briefly explain why.