Double check list for SEM work: 9-9-21

Please highlight in green the samples that need to be prepared for SEM work.

Goethite Group (all measured on SEM):

1. Lepidocrosite GDS80 (Syn)\* in the fine grained set
2. Goethite WS222 (need to xrd and SEM med- and coarse-grained samples)\* (=medium)
3. Goethite0.02+Quartz GDS240 (used in AMIX11 which includes Syn Jarosite GDS99)
4. Goethite MPCMA2-C M-Crsgrad2 (natural rock coating)\* (=medium-coarse grain)
5. Chlorite+Goethite CU93-4B Phyllite\* (=medium)
6. Goethite MPCMA2-B FineGr (natural rock coating)\*
7. Muscovite-medhi-Al CU91-252D (natural rock coating)\* FineGr [ASDng=splib07a rec13010]

NOTE: there seems to be 2 WS222, one called medium, and one called coarse. Nee to do both! splib06 1908, splib06 1914

Hematite Group. (all measured on SEM):

1. Nanohematite BR93-34B2 (natural rock coating)\*
2. Hematite FE2602 (CSES sample – we may no long have it)\* (=fine)
3. Hematite WS161\* (=fine)
4. Hematite.02+Quartz.98 GDS76 (physical mixture good for testing accuracy of quant xrd)\* uses GDS27
5. Hematite GDS27\* (=fine in mixtures, maybe move them to medium?) NOTE: GDS 27 is also = medium: splib06 2106
6. Magnetite\_skarn BR93-5B (possible rock coating)\* (=fine)
7. Basalt\_weathered BR93-43 (color of rock itself due to weathering)\* (=fine)
8. Hematite\_Coatd\_Qtz BR93-25B (natural rock coating)\* (=medium)
9. Hematite\_Coatd\_Qtzt BR93-25A (natural rock coating)\* (=large)
10. Hematite\_Coatd\_Qtzt BR93-25C (natural rock coating)\*(=large)
11. Hematite\_Coatd\_Qtz BR93-34C (natural rock coating)\*(=large)
12. Maghemite GDS81 Syn (M-3)\*(=large)