1 C5704B-7Z-2-1 W, 76.0--79.0 cm

listvenite cut by haematite-carbonate veins, cut by carbonate and quartz-chalcedony veins, and all these deformed in cataclasite

2 C5704B 07-04 20.0-22.0

dark massive Listvenite with network of thin red Fe oxide veins and patches of serpentine. veins are antitaxial with Hematite band in centre, and antitaxial elongated magnesite? on both sides. Veins have branching and intersecting network.

3 C5704B-8Z-2-1 W, 62.0--65.0 cm

silica (quartz and chalcedony) rich listvenite with serpentine cut by two generations of carbonate and haematite-carbonate veins. silica has strong CPO. Listvenite and veins are strongly deformed into a coarse cataclasite.

4 C5704B-8Z-2-1a W, 2.0--4.5 cm

hydraulic breccia. Fragments (mm - cm size) of listvenite cut by Fe oxide-carbonate veins, floating in coarse grained carbonate vein.

5 C5704B 09-03 28.0-31.0

Listvenite cataclasite. Rounded fragments of listvenite in matrix of finely ground up listvenite. Rare thin syntaxial quartz veins.

6 C5704B 09-04 24.0-27.0

carbonate-serpentine rocks and mesh network of oxide veins. Oxide veins (haematite) locally have carbonate outer band. Carbonate spherules with oxide core. Some cataclastic deformation forming fragments of the above. This all cut by younger undeformed coarse carbonate veins.

7 C5704B 11-02 31.0-34.0

very fine grained serpentine rich listvenite host rock, cut by fantastic mesh network of antitaxial carbonate veinlets (no clear generations visible,with an Fe oxide median line). Maybe some cataclasite. Some fine grained quartz, cut by serpentine veins (!)

8 C5704B-13Z-3-1d W, 62.5--64.5 cm

listvenite host rock with Fe oxide-carbonate veins, cut by coarse grained chalcedony-quartz veins with growth bands and crack-seal inclusion trails, and finally by cataclasite with fragments of all the previous.

9 C5704B-13Z-4-1a W, 10.0--12.0 cm

listvenite, mostly almost pure carbonate, cut by many Fe-oxide-carbonate veins. This mass is cut by younger coarser grained quartz - carbonate veins.

10 C5704B 14-01 07.0-11.0 light coloured massive listvenite, with thin pink veins. These veins form multiple generations of intersecting antitaxial elongate blocky veins with median band of oxide particles. these are intersected by late carbonate vein with extreme growth competition (very large crystals)

11 C5704B-14Z-2-1 W, 18.0--22.0 cm

massive foliated listvenite, very fine grained (10 micron) quartz without LPO, foliation defined by subparalell antitaxial carbonate veins, and in this foliation fish-shaped clasts of fine grained foliated quartz - haematite-goethite (sigma-clasts? - shear zone?). This foliation cut by younger coarse grained carbonate veins.

12 C5704B 14-03 77.0-80.0

grey massive Listvenite, foliation defined by elongated magnesite grains (with a haematite grain in the centre!) and older laminated antitaxial carbonate veins. Content of quartz varies across fractures. Lensoid single crystal veinlets with a haematite grain in the centre. Cut by young veins with Opal, quartz and minor carbonate.

13 C5704B 15-01-1b W, 32.0--35.5 cm

grey massive listvenite with foliation defined by (a) elongated magnesite grain with locally haematite patch in centre, and (b) subparallel bundles of Fe oxide (haematite?) + carbonate veins, which are folded. Foliation shows suggestions of ductile shear zone: oblique oxyde vein foliations, undulose carbonate. Folds are formed by cataclastic processes, fragmentation and granular flow. Sample is cut by late quartz vein with growth competition, growth bands defined by very small black inclusions.

14 C5704B-16Z-3-1 W, 28.5--31.0 cm

massive foliated listvenite, only locally granular, foliation is defined by subparallel bands of antitaxial Fe oxide-carbonate veins with local crack-seal texture. Perpendicular to this, subparallel array of many thin veins, (Fe oxide-carbonate, Fe Oxide, or very fine grained quartz). This assembly cut by late, coarse grained magnesite vein with partly open space in pullapart.

15 C5704B-16Z-3-1a W, 12.0--16.0 cm

massive listvenite (regions of several different fabric, with differences in amount and size of of carbonate grains and with irregular network of locally wispy Fe-ox + carbonate veins, (oblique fibres). Late coarse grained carbonate veins crosscut all earlier fabrics.

Large section C5704B- 17-2 55--60

Red cataclastic listvenite with a planar fault zone. The whole thin section is very strongly deformed, with listvenite fragments in very fine grained iron oxide matrix. The fragments are frequently single crystals derived from coarse grained carbonate veins, but many fragments are polymineralic listvenite

17 C5704B 18-02 60.0-63.0 - (poor quality thin section) listvenite (mostly magnesite) crosscut by several generations of quartz or carbonate veins. all this is crosscut by cataclasite band, with carbonate single crystals and fine grained quartz fragments and listvenite fragments with fine grained quartz, Fe oxide veins and carbonate. The fault plane is perfectly planar, and is marked by a banded vein with the bands separated by fine grained Fe oxyde: one band is fine grained quartz with some small fragments, and the other carbonate. there is a third carbonate band which is connected to a vein cutting into the cataclasite (injection vein). The fault is then cut by a coarse grained magnesite? vein with growth bands.

19 C5704B 20Z-1-1c W, 64.0--68.0 cm

Listvenite (almost pure magnesite), massive, foliated, with three generations of veins. the foliation is defined by elongated, elliptical carbonate particles, usually with an oxide core (!) and by bands of oxide veins with shear textures. Suggestion that this foliation is formed by ductile shearing. Foliation is cut by oxide-carbonate veins which are in turn cut by chalcedony veins, of which the open sections are filled with single crystals of carbonate.

20 C5704B 23Z-1-1 W, 42.0--46.0 cm

Listvenite (carbonate only, no quartz) with patches of serpentine, and chaotic vein texture, with no clear overprinting relationships. pathes of course grained carbonate which are normally present in the late veins (!). Dark fragments are more haematite-rich.

21 C5704B-26Z-3-1 W, 8.0--12.0 cm

Listvanite (carbonate + cryptocrystalline quartz) with several generations of complex veins. older oxyde-carbonate veins form complex mesh structure. these are cut by shear veins which are in turn crosscut by coarse grained carbonate - chalcedony veins.

22 C5704B-26Z-3-1 W, 28.0--31.0 cm

Listvanite (carbonate + cryptocrystalline quartz), older oxyde-carbonate veins form complex mesh structure. These older veins are progressively sheared in a ductile shear zone which makes up most of the foliated rock (sigmoidal structure, elongated particles, some localized shears. These are cut by (i) oxyde veins with infiltration halo's, (ii) crack-seal coarse grained carbonate veins, and (iii) irregular coarse grained carbonate veins.

This section shows good evidence of ductile shearing of the listvenite before the later veins form.

23 C5704B-27Z-2-1 W, 6.0--8.5 cm