

(Cape Sorell No. 1 Sample Descriptions Cont'd)

11280'-11290' Clystn (30%): Dk brn, dk reddish-brn, med brn; extremely soft and sol; highly calc w/residue from HCL digestion of claystn dom colloidal cly w/abund sharp, clr qtz(?) and clr mica (sericite ?) of silt to superfine grade; ferric oxides of hematite to limonite inferred from red-brn and brn variegation; mod hydration swelling; tr grn, chloritic(?) or ferrous(?) clystn.

Cgl (60%): Multi-colored admixture of : Sharp frags of dom qtzites of grys, whts, gry-brns w/minimal detrital grain and matrix differentiation, the appearance being homogeneous w/maximum mutual qtz pellicle interference, w/traces of occas finely disseminated iron oxide(?); sharp frags of dom chlorite-sericite schists of pale grn w/minor med grn color; v/abund free wht to frsted-wht to frsted and tr pink w/slight tr gry, splintery vein-type qtz; all phases contain variable amts of disseminated micro-pyrite; v/slight tr dk gry-blk, magnetite pellets, free.

Ss (10%): Superfine to vfn; med gry; sub-ang to ang apparent qtz and feldsp; v/soft; highly fri; tr calc; abund matrix kaolin; 95% as unconsd drlg resid.

11290'-11297'
11297'-11300' Cgl (100%): Sharp frags of qtzite (60%) and qtz-chlorite-sericite schists (40%); qtzites dom wht, gry-wht and frsted w/abund grnsh-wht and tr grn, tans, oranges, yellows, abund disseminated micro-pyrite, homogeneity variable from mozaics of granular appearance w/qtz grains set in clr siliceous cmt to qtzose frags of mutually interferent qtz pellicles; qtz-chlorite-sericite schist frags in sharp form, gry-grn to lt grn and silvery-grn w/v/minor dker grn colors, often (approx. 30% of frags) w/lt tan cly from apparent sericite decomposition; gd tr free wht kaolin; slight tr rnd, red qtz grns (vfn); slight tr ylwhsh-tan ash tuff frags; a qtzite-rich cgl.

11300'-11310' Sh (10%): Dk brn to minor med dk brn; mod hd and fis as dk brn w/minor mod soft, poorly fis and varying to sub-fis clystn; non-calc; variably blk carbonaceous; tr silty.

Cgl (90%): Sharp, fresh frags of variable grn qtz-chlorite schists, chlorite sericite schists (tr), qtzites (40%), pseudo-qtzites as "welded" ss and v/abund splintery wht vein-type gtz; apparent matrix chloritic-qtzitic-calcitic w/v/abund free calcite; micro-pyrite variably abund as disseminations and coatings w/tr free cubic and as micro-aggregates, occas w/rnd, dk gry to clr qta(?) grains; tr free kaolin; v/slight tr v/soft, tr calc ss (slough?).