

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

- 10310'-10330' Ss (40-60%): Vfn-med w/minor cse grains and sharp, milky qtz veinlet frags; mod poor sorting; dom ang w/v/minor sub-ang; qtz dom w/minor feldsp (dom microcline?); abund interstitial kaolin w/abund free wht and gry-wht "lickened" kaolin; v/abund micro-cgl frgs of highly dk grn chloritic qtz schist and variably gry qtzite frags; tr clr vein qtz/ abund micro-pyrite as dissem. and aggr: 50% as unconsolidated drlg resid.
- Shale (20-40%): Med brn to med dk brn w/minor dk brnsh-blk; variably blk carbonaceous; mod soft; mod fis to minor highly fis w/tr curvilinear partings; non-calc; v/clyey to w/minor silty.
- Siltstn (20%): Med gry-brn to med brn; med soft; occas sub-fis; v/clyey; non-calc.
- 10330'-10350' Sd (60%): Vfn-cse; poorly sorted; sharp to ang; abund qtz, feldsp (esp microcline), chlorite-qtz schist frags, qtzite frags; abund variably clr, frsted and milky wht qtz veinlet frags; abund free kaol (wht); tr free forams; tr micro-pyrite.
- Sh (30%): Med brn to dk brn; v/clyey w/minor silty; mod to poorly fis dom w/tr highly fis; variably blk carbonaceous to abund highly bitumenous; non-calc.
- Coal (Approx 5%): Brnsh-blk to blk, dull to semigloss fibrous bitumen w/minor v/glossy, v/hd; highly homogeneous, conchoidal frac coal as "vitrain".
- Siltstn (Approx 40%): Med brn; v/soft; v/clyey; non-calc.
- 10350'-10360' Sd (80%): Vfn-med; ang w/minor sub-ang dom qtz w/minor feldsp grains; mod poor sort; highly micro-conglomeratic w/frags of qtz veinlets, qtz schists, chlorite schists, qtzites and rnded frags of dk grn volcanics (dom divine basalt).
- Sh (20%): Med dk brn; mod hd; mod fis, abund silty; non-calc; blk carbonaceous w/vitrain, free as slough?
- 10360'-10367'
10367'-10370' Ss (50%): Vfn-fn w/minor med; grns-gry to grnsh gry-wht; and mod firm to firm; non-calc; cmt silica w/kaolin "dust"; abund grn, chloritic and dker mafic grains; sd equiv 50%; tr pyrite.
- Claystn (50%): Dk brn; v/soft; highly sol; variably silty; non-calc.