

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

- 10400'-10410' Coal (10-30%): Blk; v/hd and brittle w/very well developed conchoidal frags; brilliant gloss; highly homogeneous vitrain. Sh (20-40%): Dk brn to minor brnsh-blk; mod l fis; mod hd to mod soft; v/clyey to v/minor silty; non-calc; variably blk carbonaceous.
- Siltstn (10-20%): Med gry-brn to med brnsh-gry; v/soft; v/sol; v/clyey w/abund superfine sdy; non-calc. Ss (30-40%): Vfn-fn; gry-wht to grnsh-wht; mod hd; mod fri; non-calc w/v/abund kaol; tr mafics; 80% as unconsol drlg resid w/ang to sub-ang grains of qtz and feldsp, dom frsted w/minor clr and tr grnsh; tr free micro-pyrite aggregates.
- 10410'-10420' Coal (10-30%): Blk, v/hd; v/brtl w/conchoid frac; brilliant gloss; a homogeneous vitrain; abund well-stratified bitumenous variety w/dull and brt luster bands, rectangular jointing, brittle, blk "color", homogeneous and devoid of megascopic structures.
- Shale (10-40%): Dk brn; mod soft; mod fis; v/clyey; non-calc; variably silty; variably blk carbonaceous. Ss (30-50%): Vfn-med; gry-wht; kaolinitic; non-calc; mod hd; highly fri; dom ang to sub-ang grains; tr mafics.
- 10390'-10400' Coal (20-40%): Blk; v/hd and brittle w/conchoid frac; brilliant gloss; homogeneous; tr micro-pyrite layers; vitrain variety of coal. Sh (20-80%): Dk brn to v/dk brn; mod hd to mod soft; mod to poorly fis; v/clyey w/v/minor silty; non-calc; variably blk carbonaceous. Ss (10-60%): Vfn-med; gry-wht to grnsh gry sht; mod soft; highly fri; kaolinitic; non-calc; grains dom ang; tr clr to wht veinlet qtz; tr micro-pyrite aggregates.
- 10410'-10420' Ss (70%): Vfn-med; gry wht and gry brn; mod firm; highly fri; ang to sub-rnd; frsted, clr, gry, grysh-wht, grnsh grains in wht to lt tan matrix; tr dolomitic in matrix proximus to qtz and foldsp grains; abund included micro-pyrite grains; tr metallic gry inclusions (magnetite?); abund wht (milky) vein qtz frags; tr reddish ferric coloration; variable "welding" in frags from qtz outgrowths; 60% as unconsol. drlg resid; tr tridymite (?) in grnsh silica.
- Sh (20%): Med dk brn; mod firm; v/clyey; mod to poorly fis; non-calc.
- Clystn (10%): Med brn; v/soft and sol; tr silty; rarely sub-fis when silt absent; non-calc.