HUNTER ISLAND

Successions:

QUATERNARY: (coloured yellow)

Fine quartz sands - locally derived and windblown.
- stabilised dune sands.
- alluvial deposits.

(some mutton bird rookeries).

PRECAMBRIAN: Blue : confined to Cuvier Bay.

Lowest - (exposed Cuvier Bay) - coloured (Blue) purple.

Crumpled and [illegible]k-banded, cleaved and laminated black shales with rare thin quartzite horizons, - forms bladed outcrops on foreshore, and grades through a 20 metre succession of alternated thinly-bedded siltstones and black shales (cf. Sm beds) into overlying more massive, cleaner quartzite.

Intermediate - (exposed generally) - coloured (Yellow) green.

Conformably overlying shales, - a great thickness of massively bedded, well sorted, pure coarse quartz sandstone with abundant cross-bedding and ripple marking - it forms most of the island. Devoid of minor contortions, it is thrown into gentle open folds, - beds invariably the right way up.

Uppermost - (exposed sporadically in coastal sections) - coloured (red.) (purple/brown/green-blue)

A mainly siltstone sequence - demonstrably down-faulted into the quartzite at several localities and inferred as fault-bounded at all other exposures. A mixed bag of lithologies including a sequence of black siltstones and shales alternating with several metres of thinly bedded quartzites; alternating siltstone-mudstone-sandstone beds (cf. Sm) with occasional textures similar to Gee's "Hieroglyphic markings in dolomitic siltstones"; and plum-coloured siltstones and sandstones with characteristic intrastratal slumping, boudinaging and auto brecciation. Preferential weathering of fragments and selective sculpturing of beds suggests possibility of carbonate content. Folded into frequent small open folds of 1 - 20 m wavelength.

Presumably all three Precambrian groups should be included in lower Precambrian and therefore map Mark II preferred.