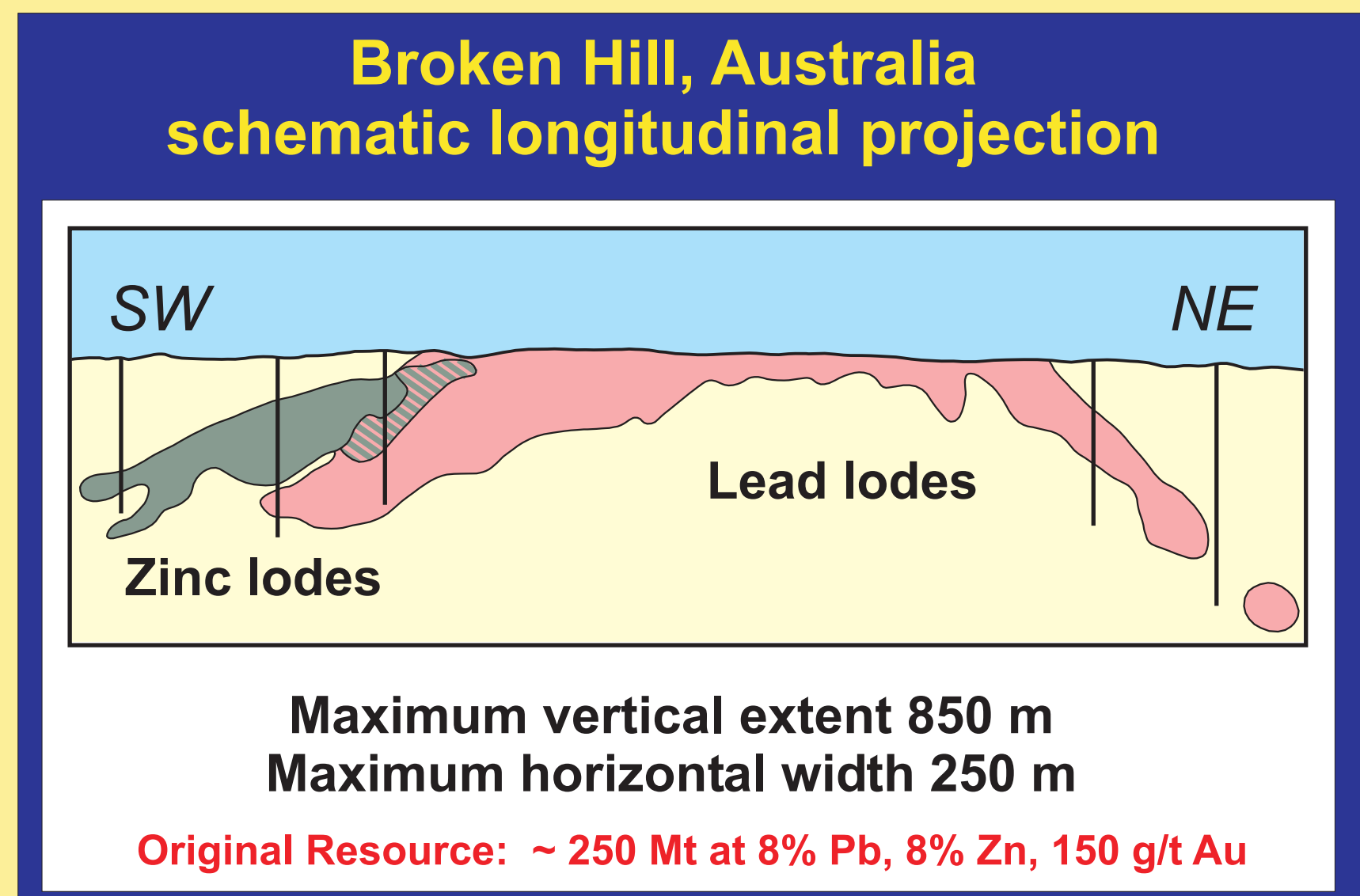




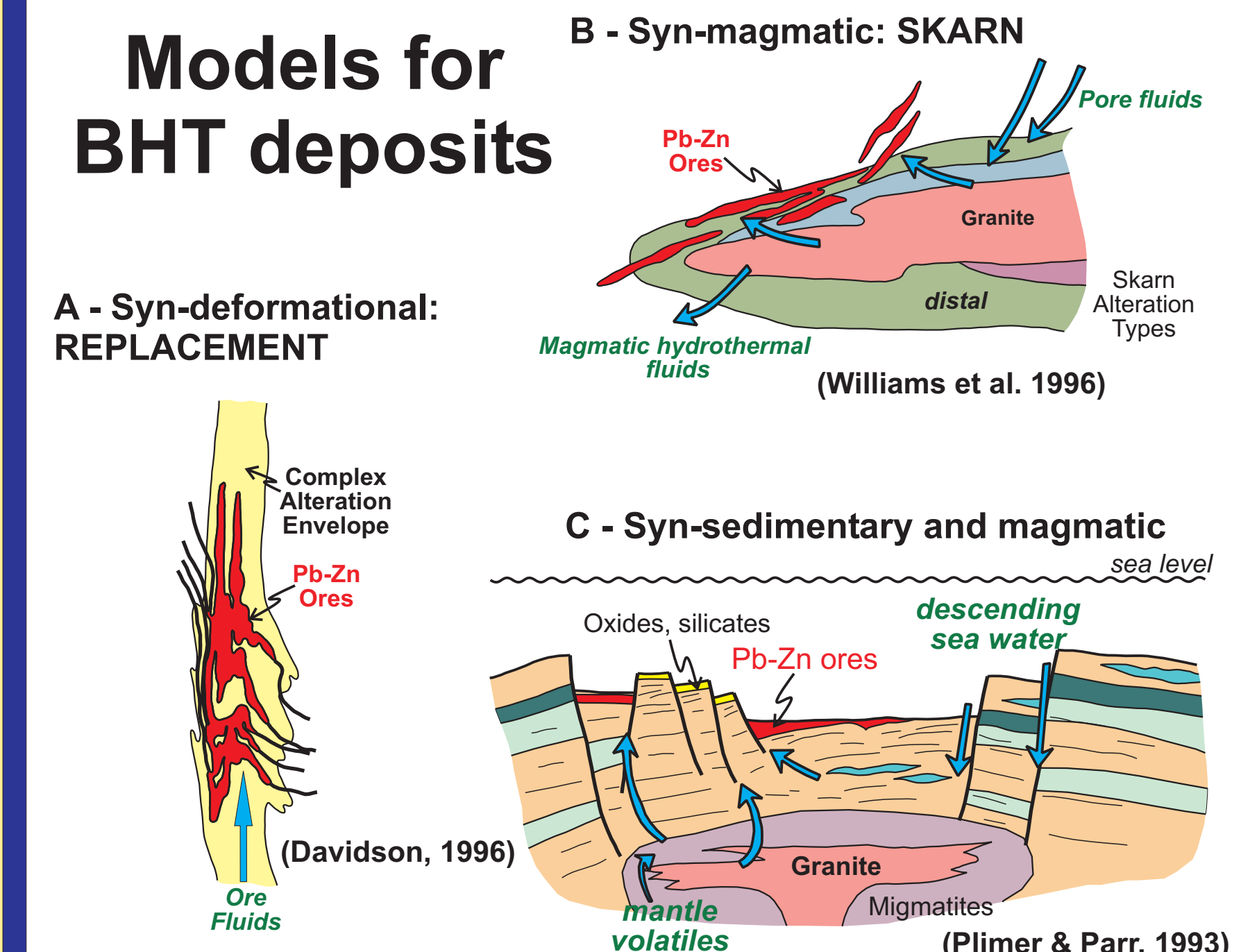
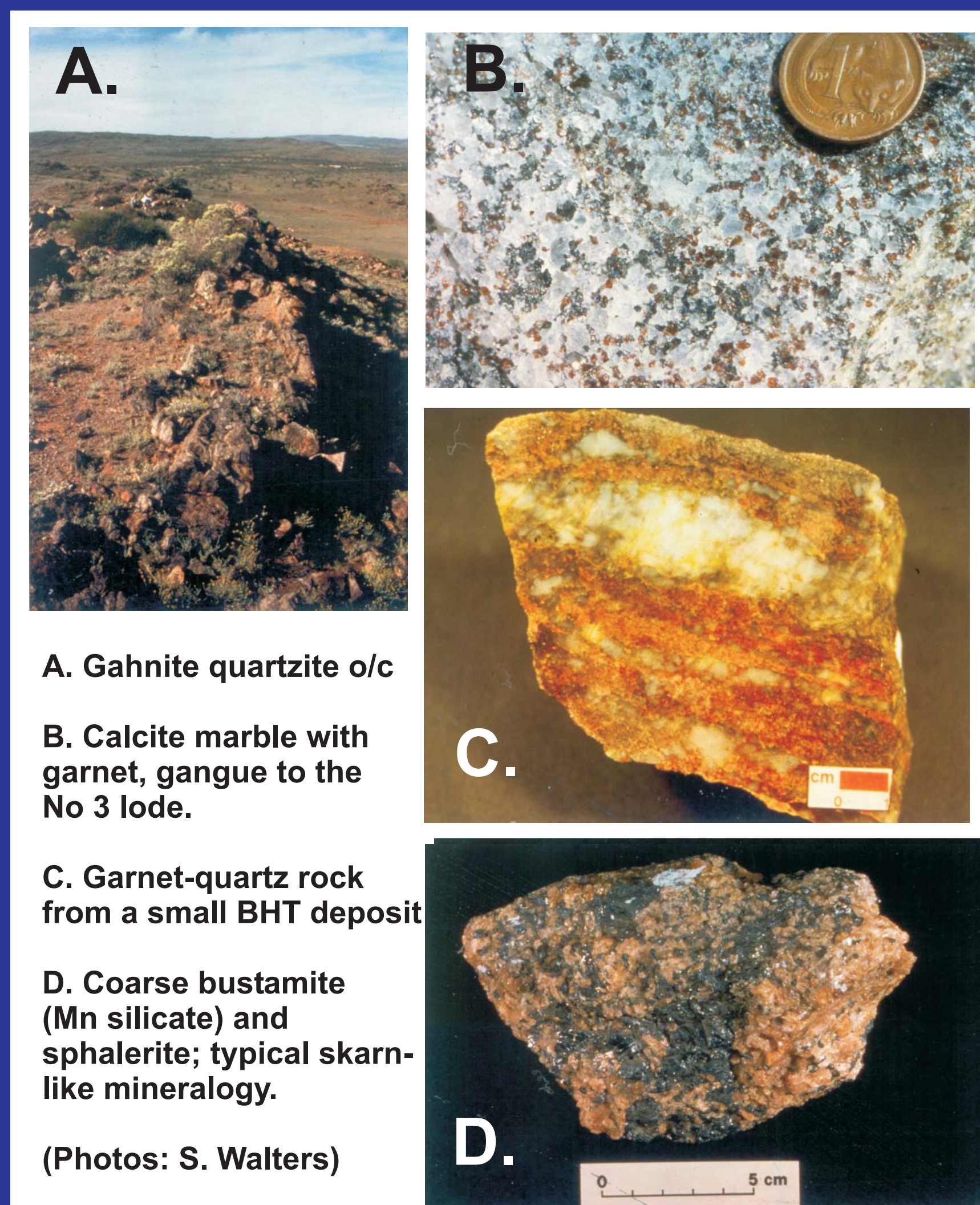
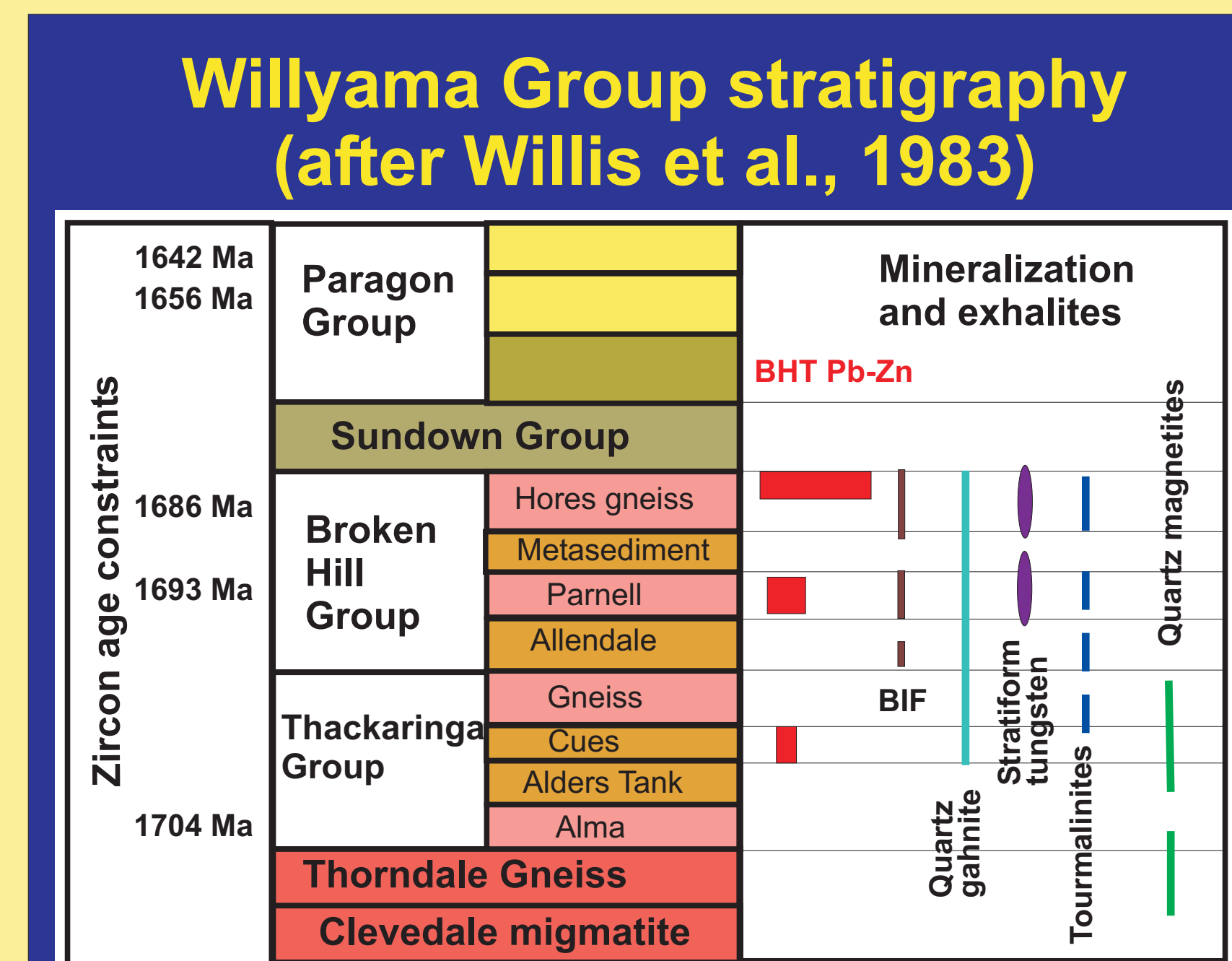
Geofile 2002-4

BHT and SEDEX Deposits of the Kootenay Terrane

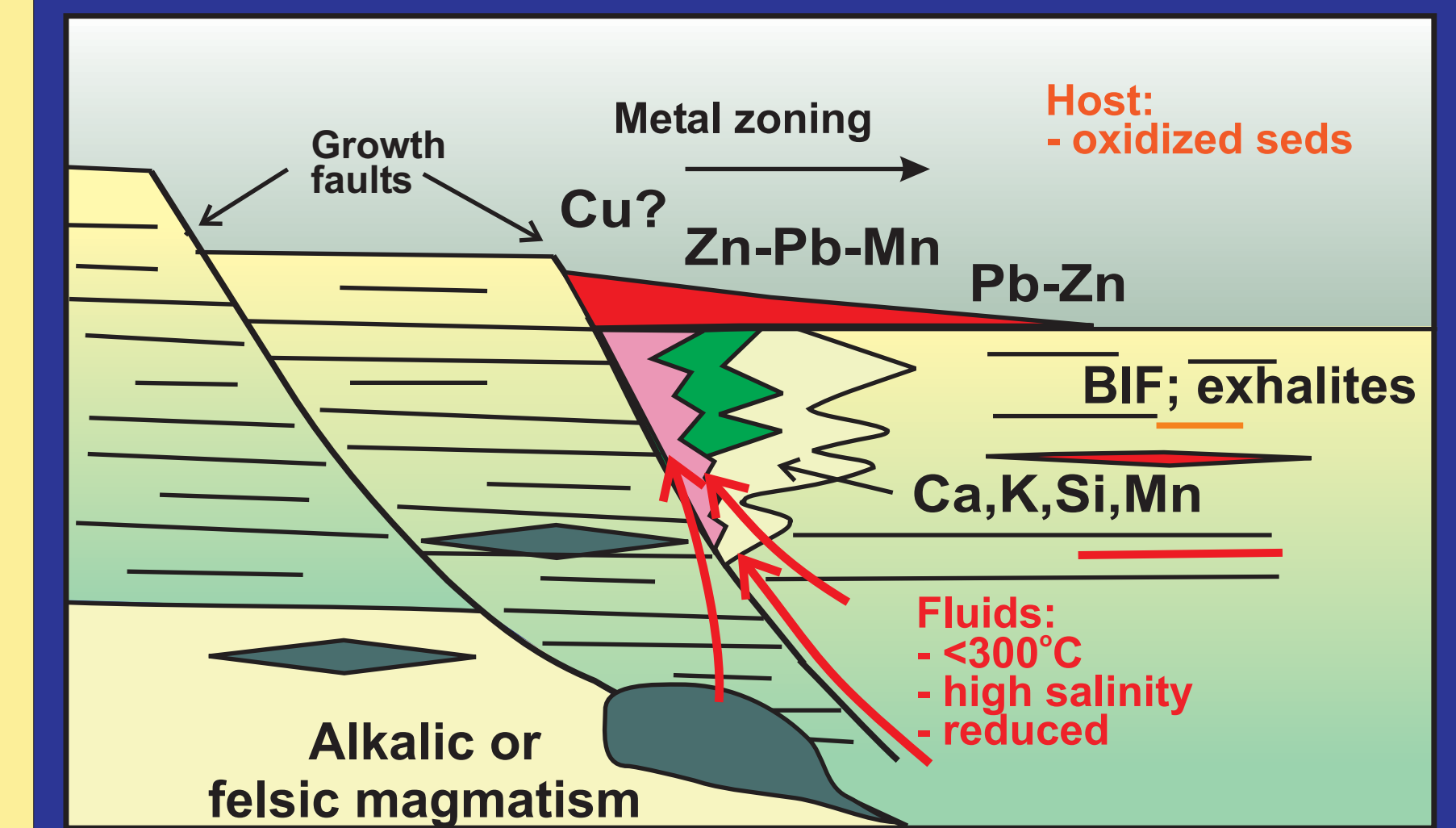
Trygve Höy



Broken Hill, NSW, Australia

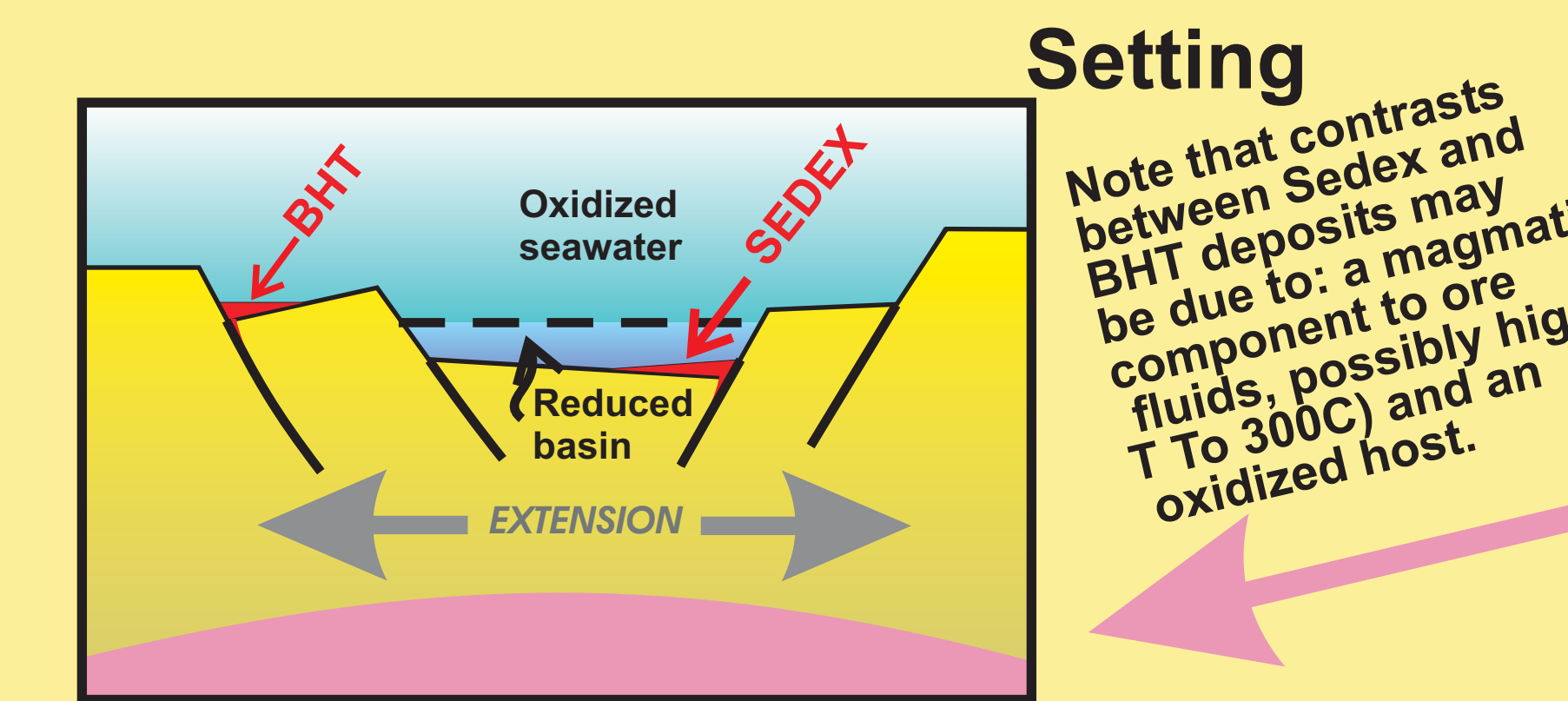


Schematic model for Broken Hill type-deposit



Contrasts between SEDEX and BHT deposits

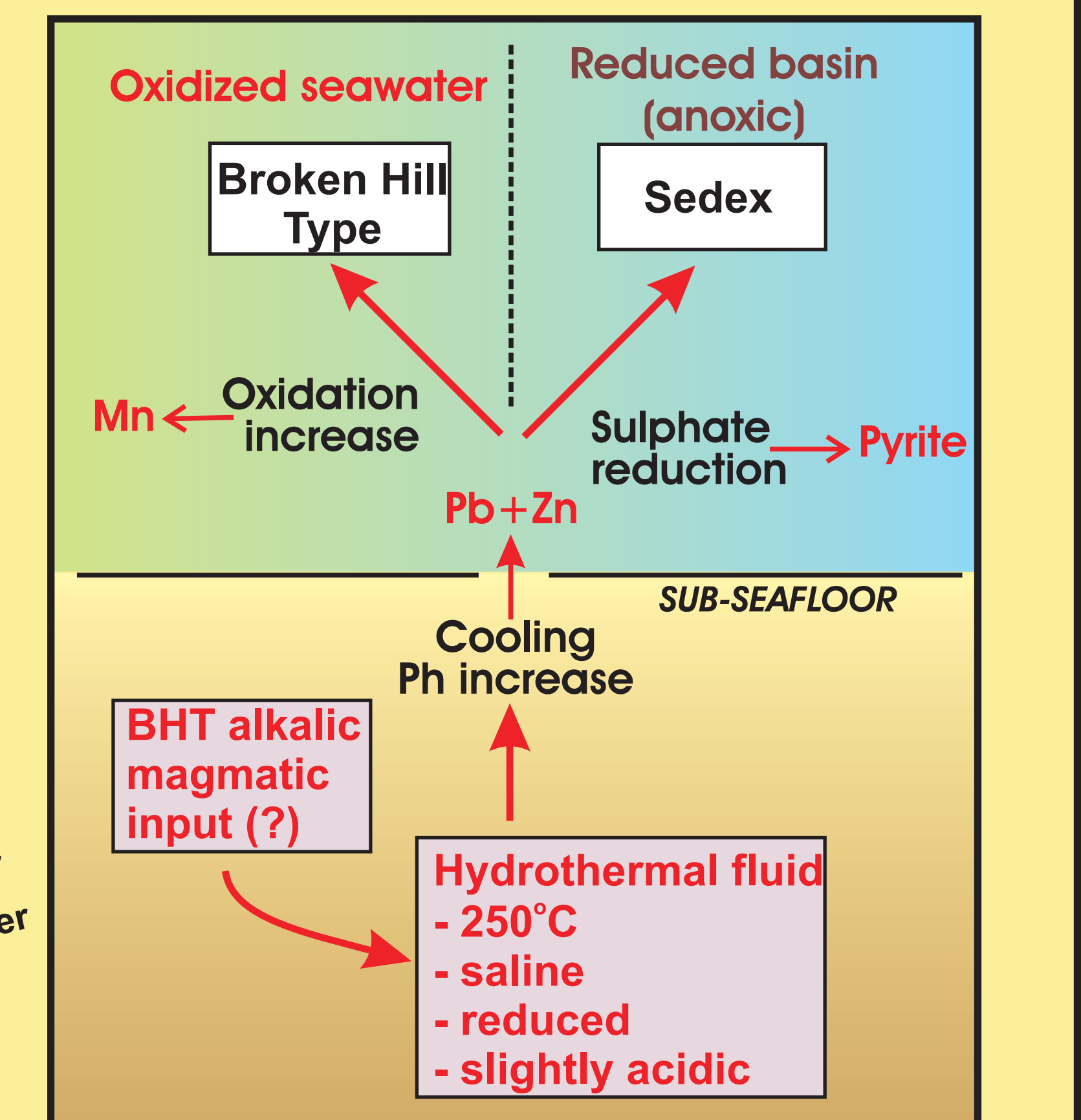
	SEDEX	BROKEN HILL TYPE
Mineralogy	pyrite	Magnetite host
Chemistry	Py>Sph>Gal	Sph+Gal>Po>py
	Mg, CO ₂ , Fe, Ba, Mn	Ca, Mn, Fe, F, P, REE, Si
Zoning	Weak Mn halo	Mn enrichment
Host rocks	Reduced facies (sulphidic)	Qtz-feldspar seds, Oxidized facies



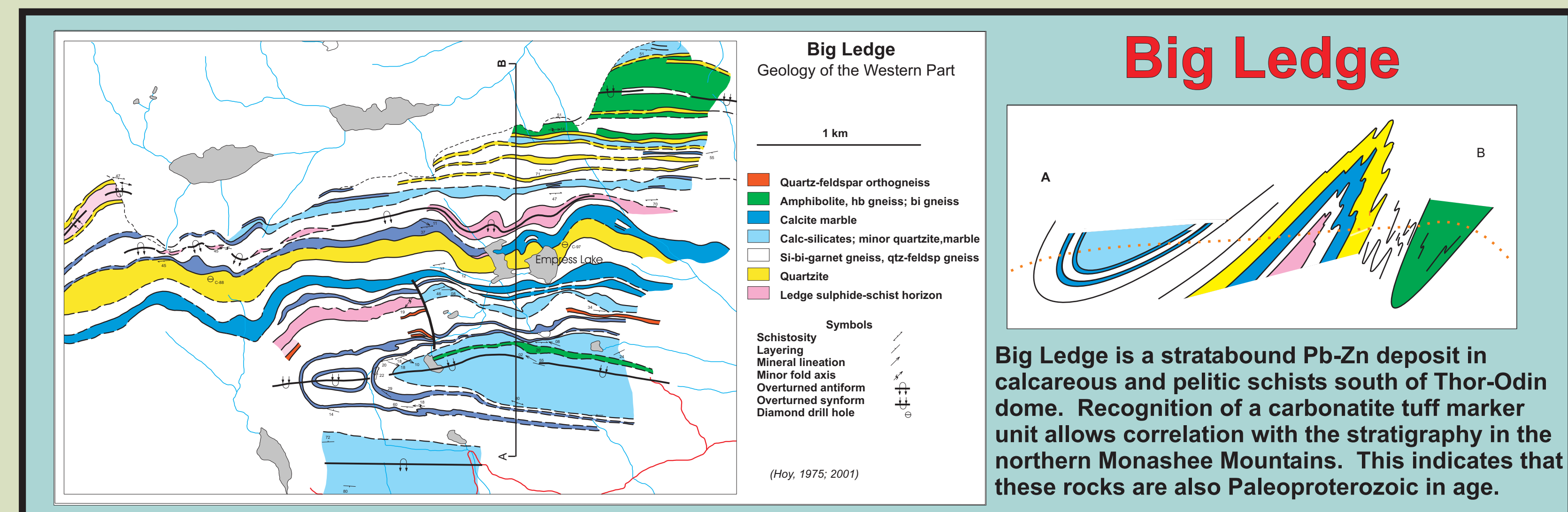
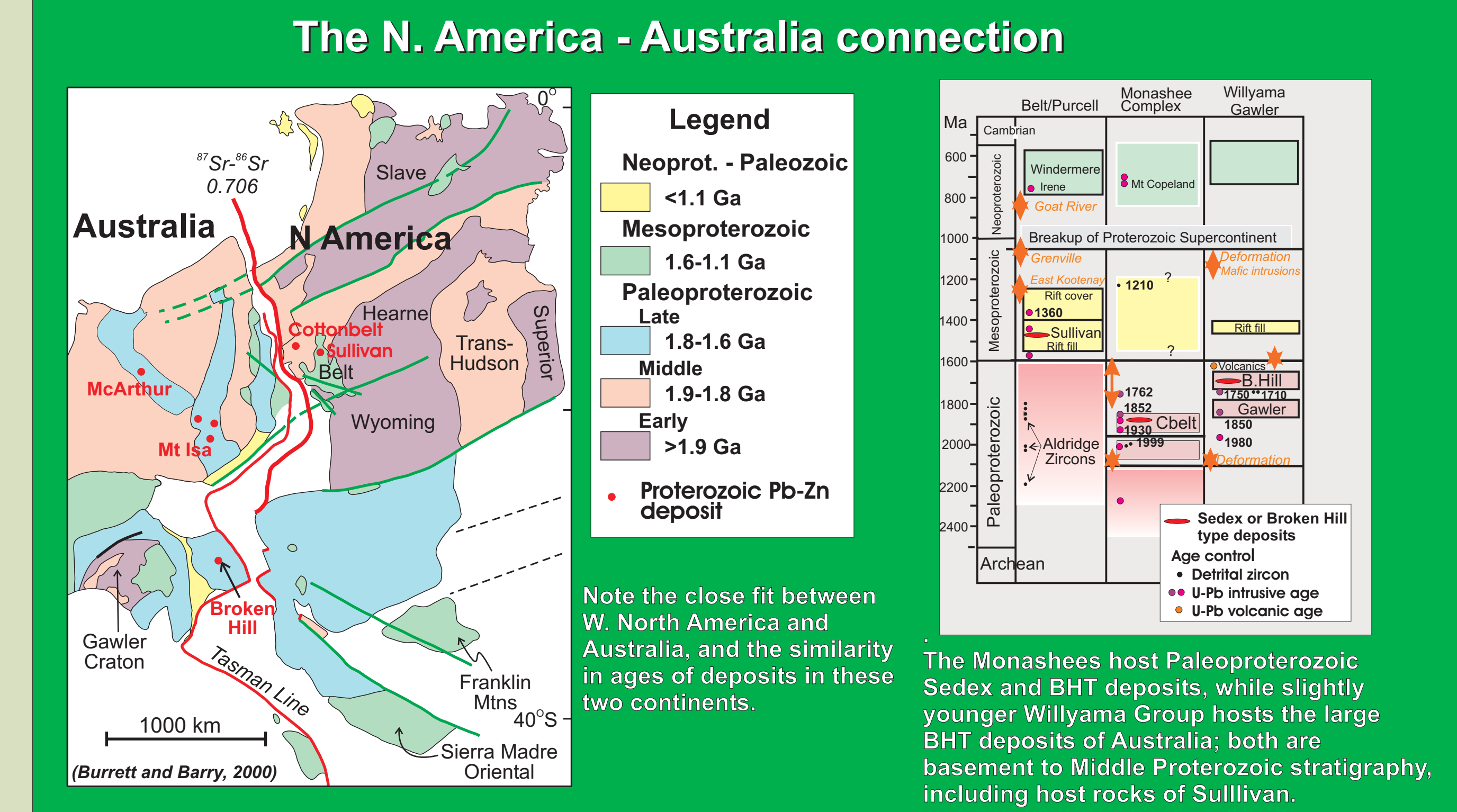
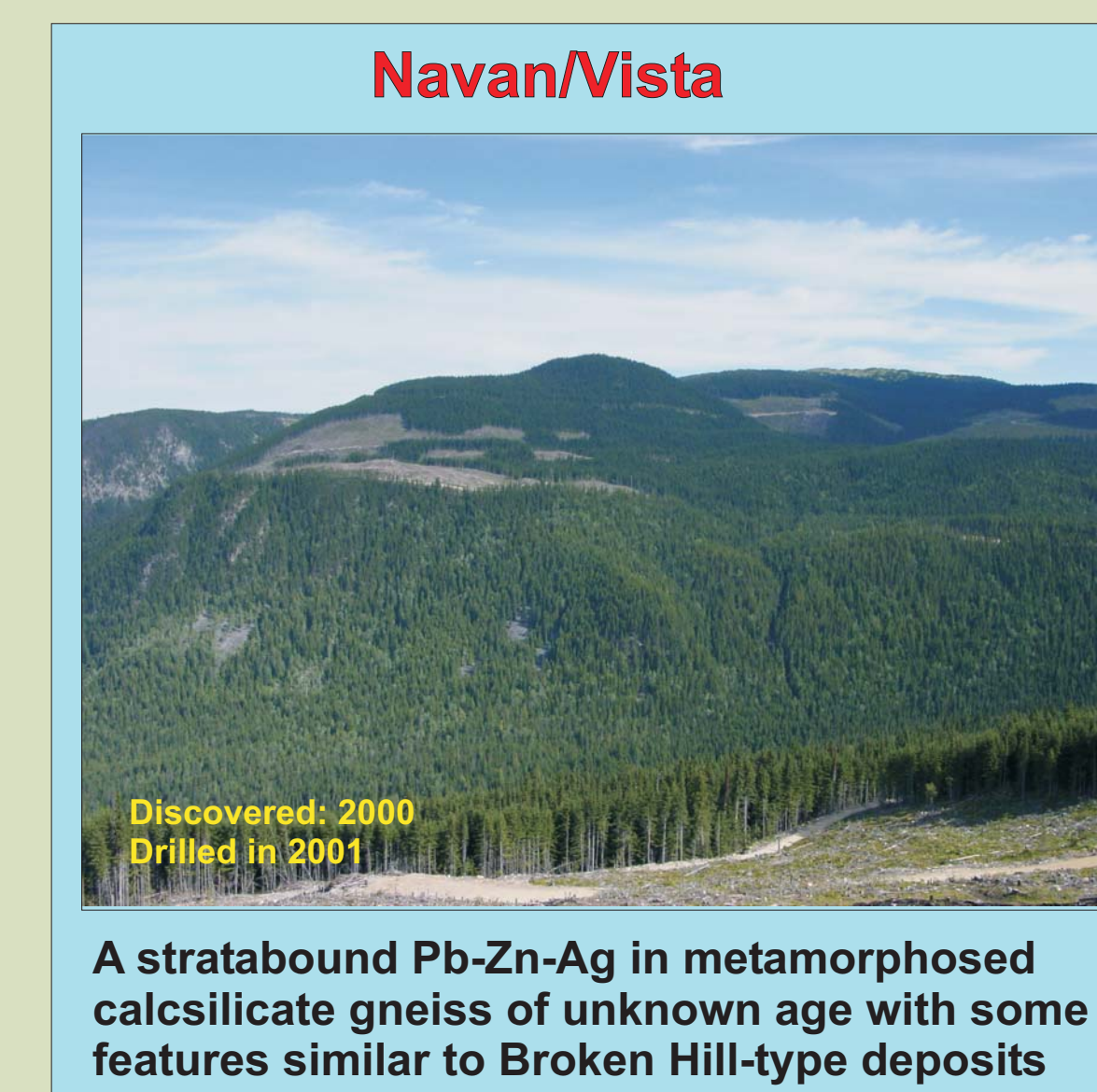
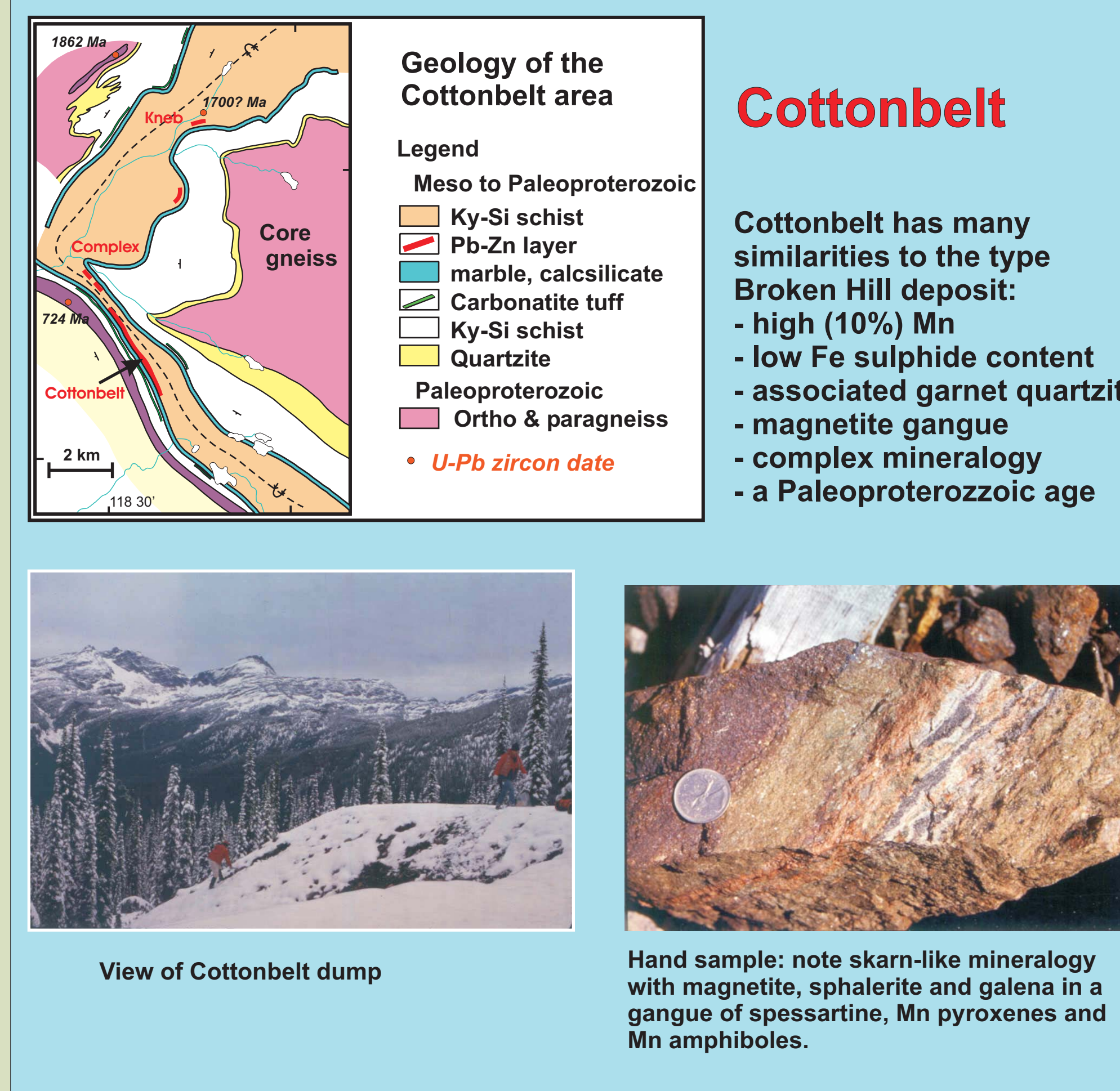
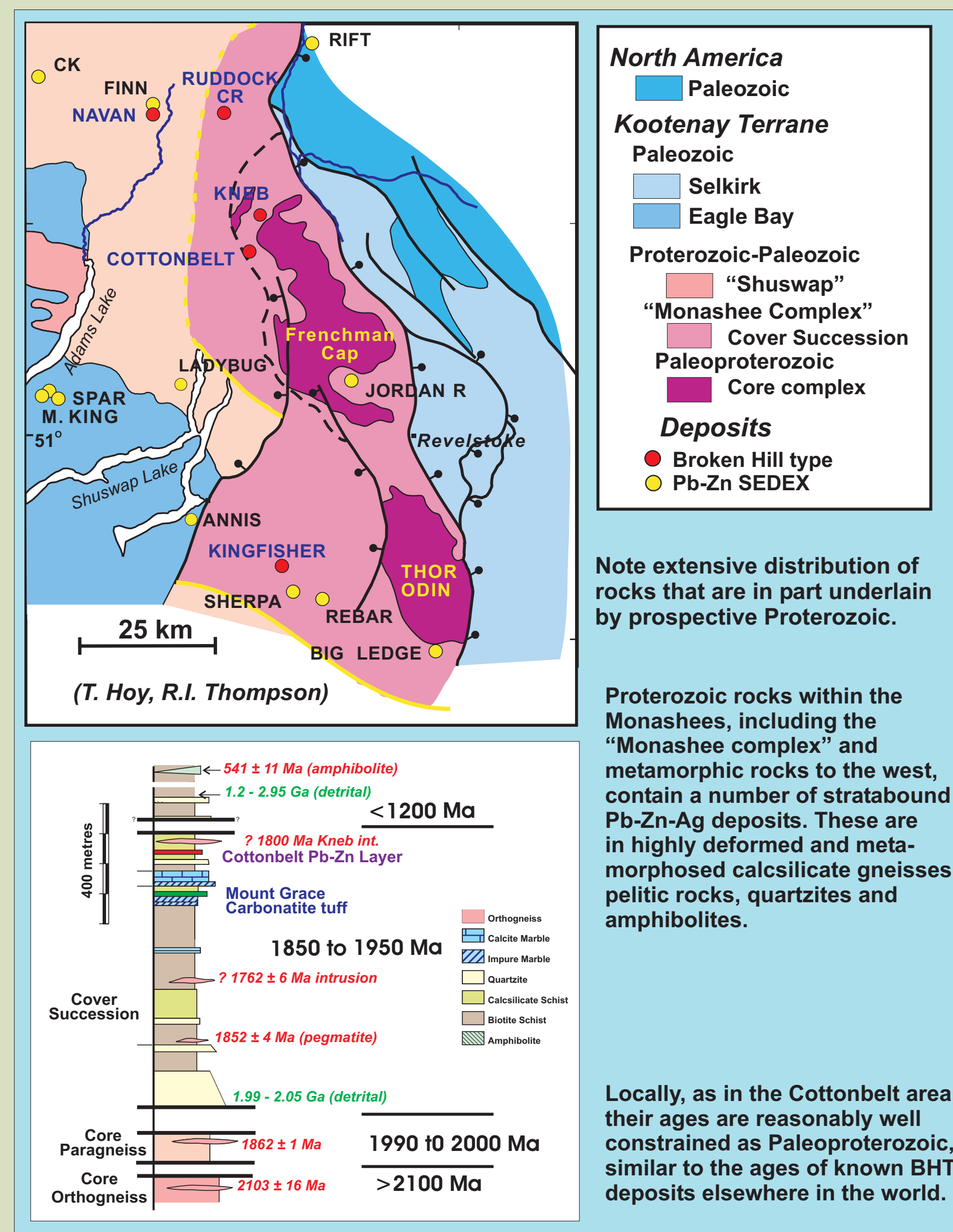
Broken Hill type deposits

Characteristics of BHT deposits

- Thin-bedded, calcareous host
- Unusual chemistry (high Mn, F, P, REE but low Fe)
- Complex skarn-like mineralogy
- Commonly highly metamorphosed, deformed
- Associated exhalites
- Iron formations
- Spessartine and gahnite quartzites



BHT and SEDEX deposits of the Monashee Mtns.



Recommended Citation
Hoy, T. (2002): BHT and SEDEX Deposits of the Kootenay Terrane; B. C. Ministry of Energy and Mines, Geofile 2002-4.