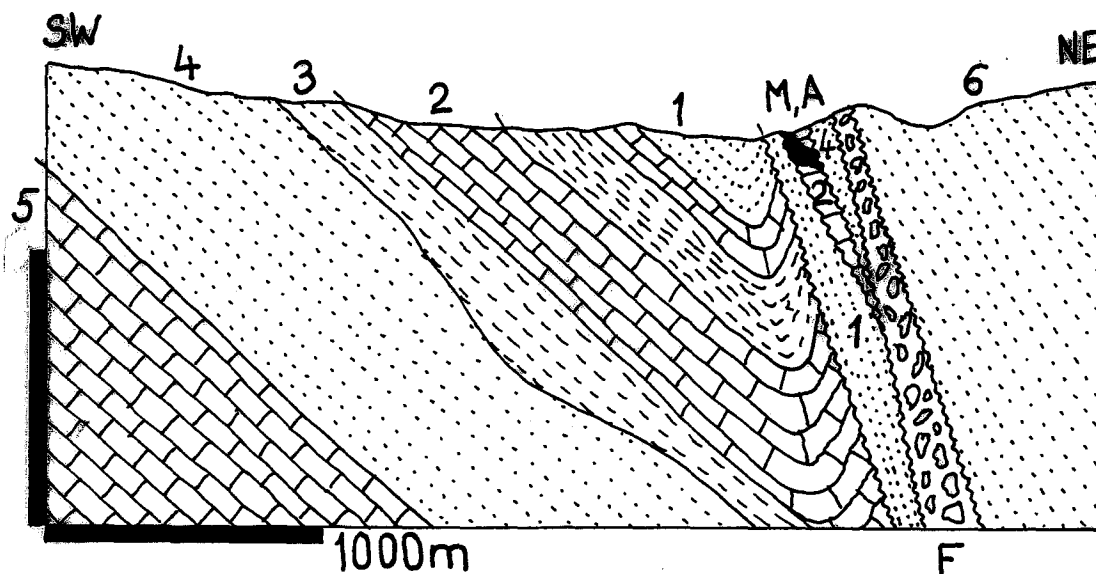


2529 AROONA willemite deposit-Zn 2, Copley area



Aroona diagrammatic cross-section; Peter Laznicka (2001), modified after Thomson et al. (1976)

LT 2529 LEGEND

Unit No	Unit Description
M	Irregular body of aphanitic, brecciated, hematite-pigmented willemite with bands, veinlets, breccia cement of metacolloform, recrystallized willemite and calcite, replacing and infilling tectonic block of dolomitized Ajax Limestone bounded by thrust planes; breccia-cementing and fracture-coating later stage Mn hydro-oxides and hetaerolite (Zn manganate) and coronadite (Pb manganate)
F	Heterolithologic diapir and fault breccia; tectonized Ajax dolomite and adjacent units
A	Altered and recrystallized host rocks: dolomitized + hematite-pigmented limestone breccia; silicified carbonates (jasperoid)
1	Cm2 Lake Frome Group (e.g. Billy Creek, Moodlatana, Aroona Creek Fms.): siltstone, sandstone, limestone
2	Cm1 Hawker Group, carbonates (Ajax Limestone)
3	Ditto, shale & sandstone (Uratanna Fm.)
4	Np-Cm1 (~590-540 Ma) Wilpena Group, Pound Subgroup: quartzite
5	Ditto, Wonoka Fm., limestone and shale
6	Np (~800 Ma) Burra Group, Copley Quartzite

LT 2529 SAMPLE DESCRIPTION (collected and assembled by Peter Laznicka, 2001)

Unit No	Sample Description	Sample No
F	Breccia of "black shale" and carbonate fragments in rock flour and carbonate matrix	1-4
	Ditto, Fe-carbonate replacement (now oxidized to Fe hydroxides) and increasing silicification	5-8
A	Strong to complete silicification of Ajax dolomite (jasperoid)	9-13
	Re-brecciated jasperoid	14
A on 2	Dolomitized and Fe oxides-altered Ajax limestone	15
	Coarse crystalline calcite patches	16
A + M	Initial willemite replacement of Ajax dolomite	17
	Massive hematitic willemite	18
	Massive crystalline willemite	19
	Willemite and calcite cemented breccia; black Zn-Pb manganates	20