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Title	Woodchester. Progress reports and final report to licence expiry/full surrender, for the period 3/5/1977 to 2/5/1978.
Topic	Geoscientific Information
Type of Resource	Document
Category Type	Computation Theory And Mathematics;Earth Sciences;Engineering;Environmental Management;Environmental Science And Management;Environmental Sciences;Exploration Geochemistry;Geochemistry;Geology;Geomatic Engineering;Historical Geology;Information And Computing Sciences;Mineral Exploration;Mineral Resource Geology;Mineral Resources (Excl. Energy Resources);Mineral System Geology;Mining Engineering;Petrology;Physical Geography;Policy And Administration;Resource Geology;Resources Engineering;Sedimentology;Soil Chemistry;Soil Science;Stratigraphy
Document Type	Mineral Exploration
Author	Mason, D.O.
Contributor	
Sponsor	
Abstract	<p>As part of a regional search for possible economic Mount Torrens - type stratiform base metal occurrences within the Kanmantoo Trough, the soil surrounding all outcropping pyritic Cambrian metasediment units within the licence area was geochemically sampled (244 soil samples taken along 19 traverses spaced 500 m apart), and old mines in the area were inspected and 9 surface rock chip grab samples were collected. The results of the regional soil sampling programme were not encouraging. A weakly anomalous pyritic phyllite/siltstone unit, having a maximum assay value of 950 ppm Pb and median values >200 ppm Pb, plus non-coincident much lesser zinc and copper anomalies, was identified over a strike length of about 2 km in the north-western corner of the EL near Gemmells, 2 km west of the historic Wheal Ellen workings. However, a field inspection and further soil sampling done at this location failed to upgrade the peak lead value. Weakly elevated tungsten (to 120 ppm W) and tin (to 40 ppm Sn) were also recorded in two randomly selected soil samples. Because a similar low tenor of base metal enrichment can be expected in most pyritic units of the target Brukunga Formation, without being associated with economic occurrences of metal mineralisation, it was decided that more exploration was not warranted. A literature review showed that the ground in the vicinity of both the Wheal Ellen and Strathalbyn mines had been fairly thoroughly explored in the past, and thus there appeared to be little scope for discovering economic orebody extensions in those places.</p>

Publication Date	17/03/1978
Tenement	EL 320
Tenement Holder	CRA Exploration Pty Ltd
Operator	
Geological Province	Adelaide Geosyncline;Kanmantoo Trough
Status	
Maintenance and Update Frequency	
Geographic Reference	GDA2020 (EPSG:7844)
Bounding Box Extent in GeoJSON	{ "type": "Polygon", "coordinates": [[[138.5,-35.5], [139.5,-35.5],[139.5,-35],[138.5,-35],[138.5,-35.5]]]}
Purpose	
Lineage	
Mine Name	Strathalbyn mine;Wheal Ellen mine
Stratigraphy	Kanmantoo Group
Commodity	lead;precious metal;pyrite;silver
Notes	Geographic Locality: Southern Mount Lofty Ranges;Woodchester;Strathalbyn Doc No: Env 03052
Language	English
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