

AUSTRALIAN ANGLO AMERICAN LIMITEDCOMSTAFF PROPRIETARY LIMITEDGEOLOGICAL ASSESSMENT OF THE COMSTAFF LICENCE AREAS1. INTRODUCTION

An assessment of the Comstaff tenements has been done by D. Orr, over Exploration Licence 5/63 parts 2, 3, 4 and 6, and by A.P. Bravo, over Exploration Licence 5/63 parts 1 and 5 and Exploration Licence 1/68. The attached assessments for individual areas were submitted with monthly reports. D. Orr spent 33 working days and A.P. Bravo 28 working days on these assessments.

In 1976, minerals worth \$228 466 800 were produced in Tasmania, most of which were mined on the West Coast.

Table 1: Major mineral production in Tasmania in 1976  
(From the Director of Mines' Report for 1976)

Commodity	Quantity	Value
Copper (tonnes)	24 566	\$28 507 660
Gold (kg)	1 314	\$ 4 246 862
Iron Ore (tonnes)	2 221 805	\$40 616 387
Lead (tonnes)	12 070	\$ 4 415 664
Silver (kg)	54 421	\$ 6 341 438
Tin (tonnes)	2 204	\$20 768 806
Zinc (tonnes)	49 697	\$34 683 132

The major deposits in Tasmania are copper in acid volcanics at Mt. Lyell, polymetallic deposits in acid volcanics at Rosebery, Hercules and Que River, hydrothermal tin at Renison, Cleveland and Mt. Bischoff, magnetite at Savage River and scheelite on King Island.

The Comstaff tenements cover areas which are highly prospective for either stratiform polymetallic sulphide deposits or hydrothermal tin deposits.

2. GEOLOGICAL HISTORY OF NORTH WESTERN TASMANIA

The oldest rocks in Tasmania are probably those in the Central Highlands which form the Tyennan Geanticline. Although they have similar lithologies consisting of quartzites and slates with minor dolomites, conglomerates