

SCAMANDER

**GEOLOGY:** Rocks consist of slates and sandstones, having a north westerly strike with dip to the south-west.

**THE LODE:** A lode traverses the property which can be distinguished at surface, for two miles in length, as a wide silicified outcrop of decayed slate and limonite. The lode strikes N 40° W and dips to south-west at a steep angle. The upper portion of lode, to a known depth of 200 feet, occurs in an oxidised zone from which the copper contents have been leached. A secondary enriched zone occurs below adit level in which are ore shoots consisting of oxides, carbonates, sulphate and secondary sulphides of copper with pyrite, arsenopyrite and zinc blende as occasional associated minerals.

The lode channel in adit is up to 20 feet wide with included lenses of ore from 2 feet to 3 feet in width. Water level occurs between 12 and 20 feet below adit level. The primary zone at an unknown depth below adit level, has not been tested.

**WORKINGS:** Workings consist of main adit level, 940 feet in length, from which several cuts have been driven into and across the lode. Two winzes of 16 feet, one 20 feet and another 85 feet in depth, have been sunk from adit.

At 160 feet from entrance an ore shoot containing secondary copper minerals was stoped down 12 feet to water level and yielded 20 tons of high grade copper ore. At 400 feet from entrance a similar shoot of ore was stoped 22 feet overhead (180 feet below surface), and underfoot to a depth of 12 feet, where it was 70 feet in length. These stopes yielded 296 tons of ore ranging from 17% to 28% copper and 13 to 17 oz. silver per ton.

Later, (1911) The Scamander Copper Mine Syndicate sunk a shaft 80 feet from surface and crosscut for the lode at 75 feet. The result was apparently not satisfactory as operations were discontinued.

**FUTURE OPERATIONS:** Any future development work should be devoted to testing the lode to a depth of not less than 100 feet below water level, in the first place, for this purpose boring by power diamond drill should prove satisfactory.

ACTING GOVERNMENT GEOLOGIST

Mines Department,  
HOBART

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