

UNPUBLISHED REPORT 1965/31

Drilling at the Royal George tin mine

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The Cornwall Coal Company has drilled a diamond-drill hole at the Royal George tin mine. This hole (DDH1) was drilled to:

Depth: 143' 8"
Bearing: N041°
Inclination: 60°

A two compartment steeply-inclined shaft is presently being dewatered, shored and fitted with ladders to make it ready for use. The position of the shaft is shown on Figure 1. Water has been pumped out to a depth of 30 or 40 feet.

The shafts (inclination about 70°) are being opened to a cross-cut connecting with the base of the open cut. It is intended to sample the lode from this cross-cut, which would also provide a possible site for future underground drilling.

Power has recently been installed at the mine using the Hydro-Electric Commission supply and water in the shaft is being drained by an electrically driven pump.

Tin is easily visible in the lode exposed by the trench immediately NW of the open cut. The host rock is a medium to coarse grained quartz greisen formed by alteration along a zone in the porphyritic granite. Cassiterite is present as irregular disseminations between quartz grains in the hard, silicified quartz greisen.

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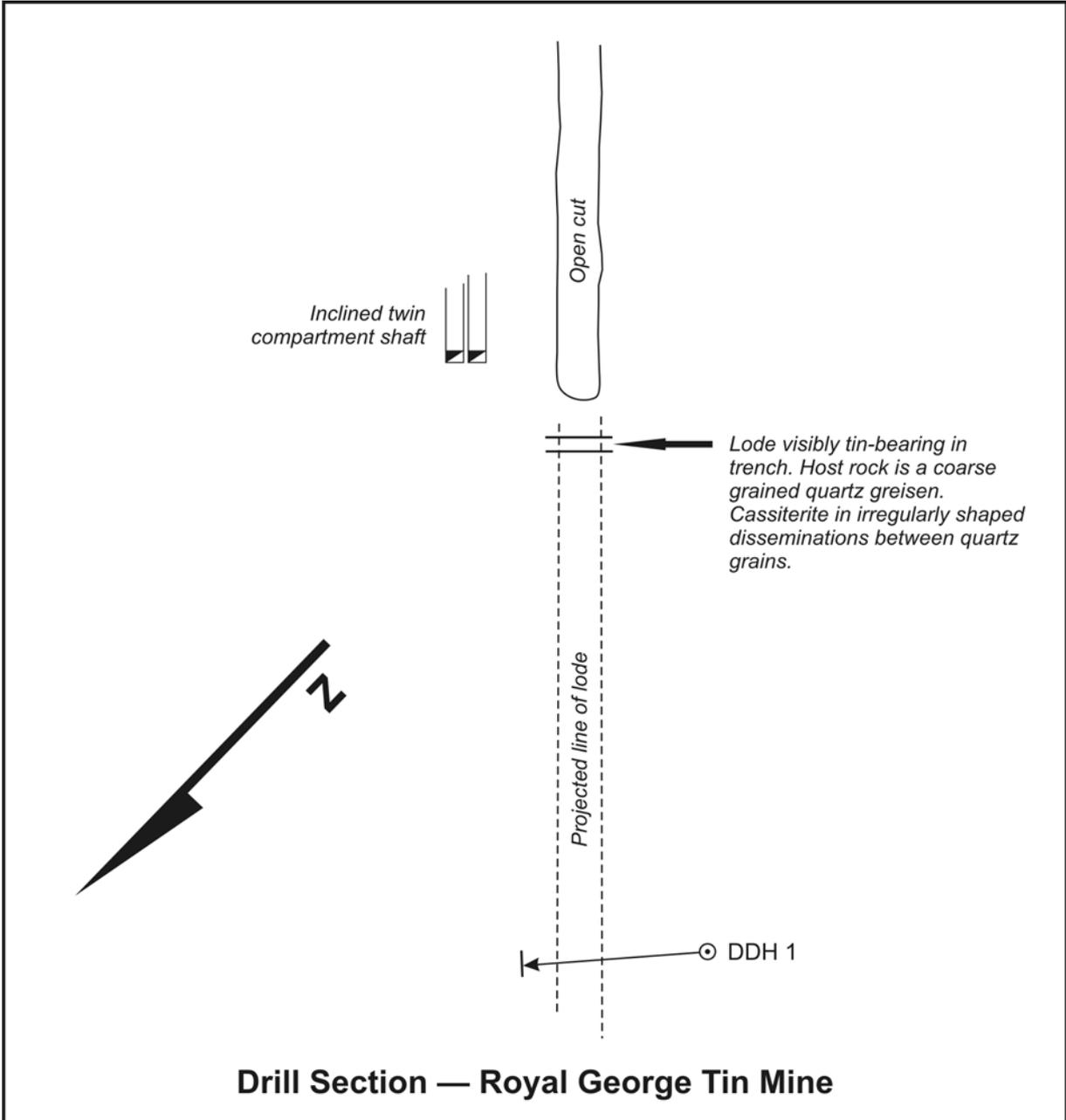


Figure 1