

DATE: October 7, 1991  
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SUBJECT: AURUM AND CERULEAN PROPERTY SUBMITTALS - 92J/10W

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## Summary

Two separate properties in the Pemberton area were recently submitted by local prospector Peter Newman. Examination of the material submitted, along with a quick check of the MINFILE and NTS files has revealed that the properties have very low potential and no work is recommended.

## Aurum, Aurum-2 claims

The Aurum claims (40 units), were staked to surround three thin, discontinuous quartz veins on the north wall of the Birkenhead River valley, about 4 km west of Birkenhead Lake. The maximum vein width attained is 2 metres, and the bull veins contain minor disseminated pyrite and traces of cpy, sph, gn and molybdenite. Grab samples as high as 1.9 opt Au have been collected in the past, but most samples fall in the 0.03 - 0.10 opt Au range. There seems to be extremely low tonnage potential here.

## Cerulean-2 claim

This claim (20 units), covers the area immediately surrounding a prominent gossan, above treeline, in the first range of hills north of Pemberton meadows. The claim hosts a 150 metre long "massive" pyrrhotite body in sheared upper Triassic metavolcanics. Grades returned from grab samples run as high as 1.1% Cu and 1.1% Zn, but the average range is typically .04-.22% Cu and tr.-.17% Zn.

The very similiar sounding Tenquille Creek showings lie 3 km to the northwest, and have been well explored by ASARCO, Britannia Mining and Smelting, Phelps Dodge, Union Carbide and subsequently by numerous juniors. It seems likely that all prominent gossans in the vicinity, including the one at Cerulean Lake, have been looked at also.

The Cerulean gossan lies in a shear zone just east of the margin of the Coast Plutonic complex. It has been described as iron sulphides, mainly po, occuring in a roof pendant of altered volcanics, probably representing a replacement body along a prominent shear. This deposit type seems unlikely to improve in grade downdip, and has low economic potential.