file with C-445.

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WESTWOLD STUDY

NTS 82L 4,5
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Introduction

Enroute to an airborne scintillometer survey in the Purcells a side trip to Westwold was taken to check a report (Dodson pers. comm.) of uranium mineralization associated with a syenite. In addition, a syenite plug on Whiteman Creek was flown with the scintillometer.

Summary

The Westwold showing was known as the Jim and was trenched by Cutlass Exploration in 1965 for MoS_2 mineralization. The airborne survey showed no particular anomalies and ground prospecting was negative. Traces of MoS_2 were found in the old trenches near a marble quarry which adjoins the syenite.

Airborne radiometrics showed the Whiteman Creek syenite to be average in background radioactivity of the order 1500 cps. No unusual anomalies within or adjacent to the plug were detected.

Conclusions

No radioactive showings were discovered. The molybdenite mineralization was too low grade and restricted in size to warrant further work.

Recommendation

No further work.

Regional Geology

An attached map shows the Whiteman Creek stock (unit 19) colored in red. It intrudes granite of Jurassic-Cretaceous age which has in turn intruded Cache Creek sediments and volcanics. This entire package is covered by Tertiary basalts known locally as the Kamloops Group.

At the Jim property on Adelphi Creek 5 miles S. of Westwold, Shuswap limestone is intruded by a syenite presumably similar to the Whiteman Creek stock. The limestone has been partly silicified and had been quarried in a limited way. The syenite is a dark grey porphyry with yellowish feldspar phenocrysts averaging 3-4 mm in length. These rocks are not shown on the attached map but the location is indicated.

Radiomtetrics

A 1"= 2 mi. map stored in the files shows survey fiducial points. As well, a chart record is kept in the files (C-445).

Vegetation cover hampered the survey in both areas. Where good exposures of rock were traversed at Whiteman Creek values between 1500 and 2400 cps were obtained. At Westwold values around 900 cps were recorded with no peaks. Most of the area is underlain by limestone hence these very low values.

J. W. Simpson

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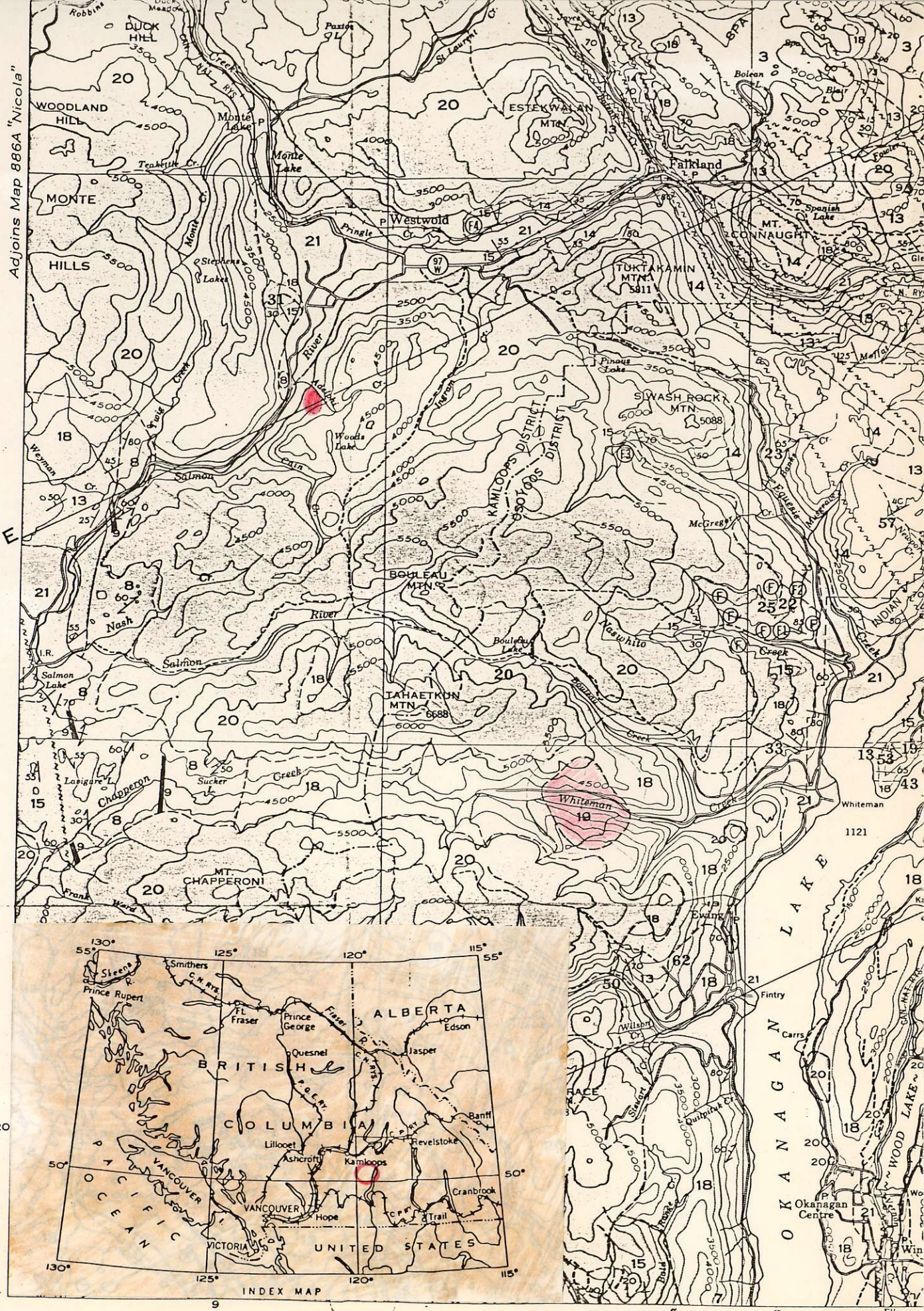

1" = 4 mi

PUBLISHED, 1960
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