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June 24, 1969.

MEMORANDUM

Quatsino

TO: R. F. Sheldon

FROM: T. Takeda

RE: Additional Mapping of Teeta Creek Project

1. Result of Stereoscopic Check of Airphotos

- a) Caldera-like topo feature was suggested by Leitch, however it is more likely to be either hammock of glacial till or landslide in argillite horizon.
- b) Quatsino limestone horizon, including argillite and some volcanics, is clearly traced in most places from Yreka to Cayuse Creek.
- c) Weak fracture pattern, trending both north-south and east-west, develops in the vicinity of Teeta Creek property.

2. Review of Previous Report and Work

It is felt that the following items need further checking:

- a) Definite way of determining "dacite porphyry dykes" and their altered affiliates.
- b) Leitch assumed Cu-Mo mineralization occurs in Karmutsen formation. What is the geological evidence to support his idea? Also, what is the relationship to mineralization?
- c) Intrusives (dioritic - gabbroic) seemingly show obscure contact. Is it due to alteration or due to assimilation?
- d) There is no description of intrusive occurrence on the ridge between Teeta Creek and Cayuse Creek.

T. Takeda.