## exploration Itd.

## GEOLOGY · GEOPHYSICS MINING ENGINEERING

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MEMO

TO: Directors of Intertech Minerals Corporation

FROM: D.G. Allen

DATE: November 22, 1989

RE: 1989 Fieldwork on Tommy Jack Creek Property

Analytical results from the 1989 fieldwork program on the Tommy Jack Creek property have been received. Purpose of the 1989 program was to attempt to define, by geochemical surveys, geological mapping and prospecting, the limits of a very extensive carbonate alteration zone which hosts base— and precious metal—bearing quartz veins, and to fully delineate by geochemical sampling and VLF—electromagnetic surveys, targets in the Beaver Creek area. Approximately 800 soil samples and 29 rock samples were collected on 21 kilometres of flagged grid. A VLF—electromagnetic survey was run on the 1989 grid and a few selected pre—1988 lines of Noranda.

The mineralized and altered zone on the property appears to extend well beyond the area surveyed and drilled by Noranda, particularly to the south and southeast. In the extreme southeast part of the 1989 survey area, a new target has been partially defined, with gold values of up to 780 parts per billion occurring in soils and up to 2.17 ounces per ton in quartz vein float. Silver, lead and arsenic are also enhanced in soils in the area.

In the Beaver Creek area, geochemical surveys were successful in extending and further defining the anomalies first indicated in 1988 fieldwork. A number of strong VLF-electromagnetic anomalies were also obtained. Because overburden is extensive, and outcrops are few, no veins were found in place, however mineralized float, found in Beaver Creek tributaries, was found to carry gold values up to one ounce per ton and silver values of up to 55.8 ounces per ton. Trenching and/or drilling the anomalies is recommended.

It is obvious that the area of interest on the Tommy Jack Creek property has not yet been fully defined. Additional geochemical and geological surveys and exprespecting are warranted, particularly to the southeast.

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