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STEWART  
AREA

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MINERALIZATION ON THE ALASKA STAR PROPERTY

The Alaska Star Property, situated near Stewart, B.C., is composed of three claim groups. The southernmost group assumed its present size in 1980 with the combination of numerous patented claims. This group contains Coast Crystalline Complex rocks hosting high-grade precious-metal vein systems, and rocks from the Hazelton Volcanic Assemblage with Premier style mineralization. Several veins in the crystalline complex, such as the Roanan, have proven ore bodies which may be extended at depth with further diamond drilling.

In 1984, the recognition of Premier style mineralization in the Hazelton Volcanics brought new excitement to our exploration program. These showings, named the Iron Deposits, are typically associated with the contacts of the Hazelton Volcanics and the newly recognized Premier Porphyry outcroppings.

One of the two claim groups staked in 1984, the Titan group, demonstrates stratigraphy similar to that of the adjoining Silbak Premier property. Descriptions of the Titan mine's mineralization and traverses to the area indicate potential for moderate grade, high tonnage deposits.

The Stoner Group, also staked in 1984, is the northernmost claim group in the Alaska Star Property. This group is hosted almost exclusively in Hazelton Volcanic Assemblage and adjoins the Silbak Premier Property. Showings such as the Stoner, Stoner-Clegg-O'Rourke and Daly-Alaska indicate strong potential for bonanza Premier style deposits and for large tonnage moderate grade deposits such as are the objects of search on the Canadian side of the border today. A statement from an Exxon mineral report on the area of the Stoner showing says,

"The target in this area is veins or an exhalative system with multiple bands of sulphides in a Premier Porphyry body striking at least 1,000 feet."

We at Pulsar agree that this strong potential exists, and we intend to aggressively evaluate it. Descriptions of showings hosted in the Hazelton Volcanics follow:

## STONER SHOWING

### Types of Deposits (from Buddington, Exxon reports, and traverse information)

- 1) Veins of Bands in Volcanics
- 2) Contact Mineralization along periphery of dykes (Quartz Porphyry, Hyder Monzonite)
- 3) Seams, disseminated deposits, and pyrite fracture facings.

### Development & Mineralization

- Shaft and two open cuts, one at 30' width showing seams and disseminations of Pyrite.
- A shoot several inches thick of pyrite, sphalerite, galena, tetrahedrite, and pyrrhotite.
- Carbonate alteration: pervasive and vein gangue.
- Shoot 7' wide in greenstone with parallel seams containing pyrite, sphalerite, and galena. Sulphides and greenstone are silicious.

### Assays

- 1) 4' Chip Samples from 1983 (Exxon)
  - Au 0.41 - 1.1 oz/ton
  - Ag 4 - 8.9 oz/ton

### Soil Geochemistry

- Ag indicates several E-W trending anomalies.
- Au indicates the same.

## HOBO SHOWING

### Types of Deposits

- 1) Sulphide bands in volcanics

### Development and Mineralization

- 65m adit
- Two 5m adits exposing band of up to 80% sulphide, containing sphalerite 25%, galena 20%, pyrrhotite 20% and chalcopyrite 5% in

massive and banded textures.

- Sulphide bands are closely spaced (50 - 75m) - possible large tonnage.
- Buddington 1929 Report: Writes about seams and stringers of sulphide containing; pyritic seams and disseminations, quartz lenses and stringers of sulphides mostly sphalerite, solid pyrrhotite "vein" several inches thick with associated chalcopyrite & sphalerite.

Assays - Converted from 1924 Values

- Ranging 0.2 - 0.5 oz/ton Au.

DALY ALASKA SHOWING

Types of Deposits

- 1) Fractured greenstone, highly carbonate and silicia altered bands with sphalerite, galena, pyrite and pyrrhotite ("there are no well-defined walls to the deposits, and the richer portions grade into the country rock") (1929 Buddington).

Development and Mineralization

- At upper adit, country rock is probably premier porphyry - "A schistose mass of quartz porphyry with feldspar crystals oriented in flowage lines." (Buddington)
- An adit below the upper cuts carbonate altered andesite-dacites containing bands and patches of sulphides (sphalerite, galena, and pyrite).
- Open cuts expose 3' wide "vein" consisting of greenstone streaked with stringers of fine granular galena, pyrrhotite, and sphalerite with some chalcopyrite and arsenopyrite.
- At 11-mile underground prospecting, deposits are similar to above and contain same sulphides.

Assays

- Open cuts average 30-40 oz/ton Ag with "high gold assays".
- 11 mile workings show up to 500 oz/ton Ag with native silver along fractures.

## ALASKA PREMIER SHOWING

### Types of Deposits

- 1) Felsite sheets within greenstone containing bands of mineralization.

### Development and Mineralization

- A 15' tunnel drift into a felsite sheet exposing veinlets of quartz several inches thick containing pyrite, sphalerite, galena, pyrrhotite, and gold.
- On the ready money claim the second felsite sheet is explored by an adit and several cuts exposing veinlets and pockets of pyrite, sphalerite galena, pyrrhotite, and chalcopyrite. Assays up to 35 oz/ton Au come from this zone.
- Main adit cuts a felsite zone 30' thick which runs 0.1 - 0.15 oz/ton Au and 1 oz/ton Ag.

### Soil Geochemistry

- Indicates a N.E. trend to the anomalies.

## TITAN SHOWING

### Type of Deposits

- 1) Bands of Quartz and sulphide Mineralization.

### Development and Mineralization

- Has what sounds like premier porphyry associated with the deposit: "The porphyry contains some large crystals of feldspar, but for the most part it shows small quartz and feldspar phenocrysts in a dense pale-green sericitized and silicified groundmass." (Buddington).
- A band of the porphyry several feet to 5 feet wide contains quartz stringers up to 8" thick. The porphyry is impregnated with pyrite and the quartz contains disseminated sphalerite, galena, pyrite, and chalcopyrite.

STONER - CLEGG - O'ROURKE SHOWING

Type of Deposits

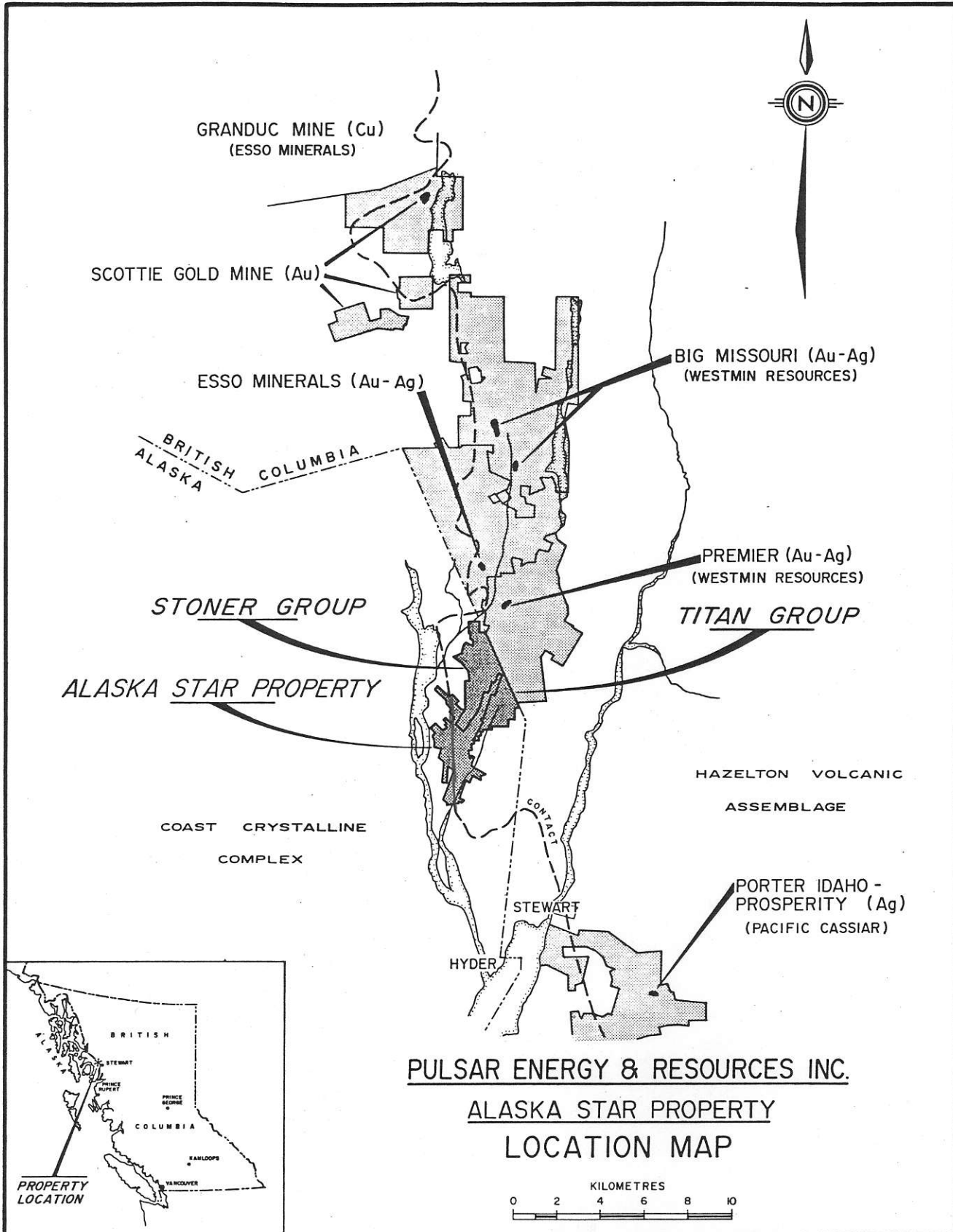
- 1) Bands of sulphide in greenstone.

Development and Mineralization

- 75' adit
- Open cuts reveal bands in greenstone carrying pyrite, pyrrhotite (disseminated) and seams of calcite, sphalerite, pyrite, and galena.
- In dump same mineralization is found.

Submitted by,

**BRENT CHOMACK  
GEOLOGIST**



GRANDUC MINE (Cu)  
(ESSO MINERALS)

SCOTTIE GOLD MINE (Au)

ESSO MINERALS (Au-Ag)

BIG MISSOURI (Au-Ag)  
(WESTMIN RESOURCES)

BRITISH COLUMBIA  
ALASKA

PREMIER (Au-Ag)  
(WESTMIN RESOURCES)

STONER GROUP

TITAN GROUP

ALASKA STAR PROPERTY

HAZELTON VOLCANIC  
ASSEMBLAGE

COAST CRYSTALLINE  
COMPLEX

CONTACT

STEWART

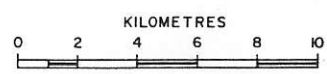
HYDER

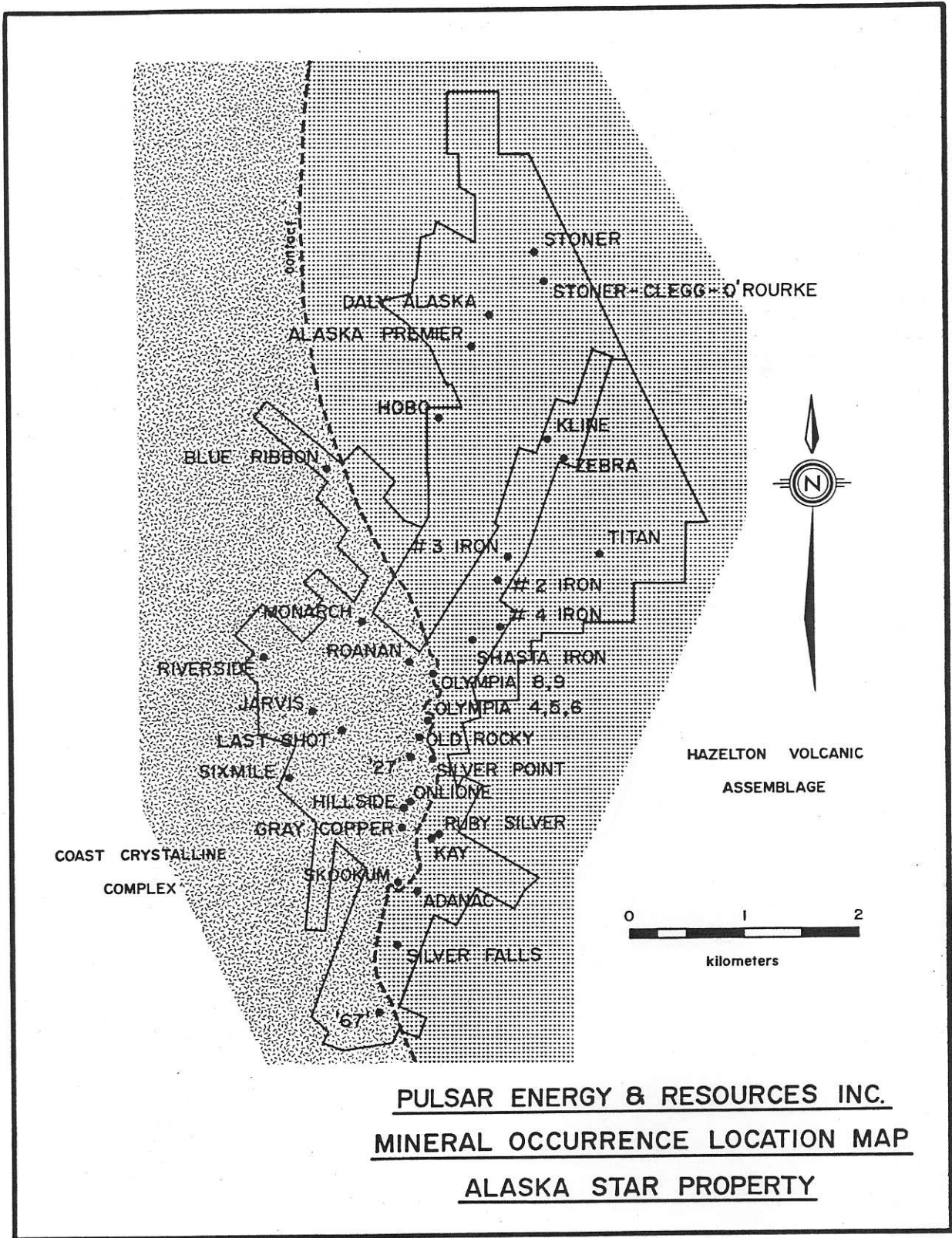
PORTER IDAHO -  
PROSPERITY (Ag)  
(PACIFIC CASSIAR)



**PULSAR ENERGY & RESOURCES INC.**

**ALASKA STAR PROPERTY  
LOCATION MAP**





PULSAR ENERGY & RESOURCES INC.  
MINERAL OCCURRENCE LOCATION MAP  
ALASKA STAR PROPERTY