

673967  
Dalto  
104P/3W

July 22/83

Dear Cam,

Enclosed are the beginnings of the report on the Dalto group. Costs, geochem results + recommendations have yet to be added - but it's a start. Please tell Eleanor the sample shipment notices are in this field-note envelope and are not packed with our samples. Hand specimens of samples taken + rock unit type samples are included with those samples to go to Chemex. Because Martin is not bonded we regret we did not ship visible gold samples.

Audre would like to spend 4 days on Eagle and have our pick-up arranged late afternoon - early evening Wed. July 27. Everything is going well here + we're very glad the airphotos arrived in time for Eagle.

Mary

073907

Datto

1049/3W

# LEGEND

- [1] ANDESITE TUFF
- [2] DACITE ; 2a flow banded    2b tuff mg    2c tuff cy.
- [3] ALTERATION ZONES    3a Qtz sericite    3b Hemalite  
3c ~~Iron~~ Iron Carbonate
- [4] Pillow BASALT,

Prospectors Report

DALTO CLAIM GROUP

104 P 3W

## Report of Work Done

Preliminary prospecting was done July 10, 11 1983. A number of quartz veins bearing disseminated sulphides and a small sulphide showing were located. Staking was completed July 12, 1983.

A fly camp was established July 18-22, 1983. Audrey E. Heagy and Mary P. Webster carried out detailed prospecting, mapping and sampling during this time. A total of 29 rock samples, 40 talus samples and 10 silt samples were collected for analysis. Concentrated sampling was done on numerous quartz veins as well as over the small sulphide showing.

Geology

## TABLE OF CONTENTS

PAGE	
1	LOCATION MAPS FIGURES 1 AND 2
2	PROPERTY HISTORY AND ACCESS
3	REPORT ON WORK DONE
4-5	GEOLOGY
5	STRUCTURE
6	ALTERATION ZONES
7	MINERALIZATION
8	FIG. 3 TALUS SAMPLE LOCATION MAP - GRID 1
9	FIG. 4 GEOLOGY AND ROCK SAMPLE LOCATION MAP - GRID 1
10	SUMMARY OF COSTS
11	LEGEND TO MAP 1

## Alteration Zones

~~Alteration zones vary in character and habit.~~  
Two east-west trending iron carbonate zones can be traced over 1000m in the northern portion of the property. A quartz-sericitic zone also trending east-west can be traced across the property. These zones appear to be related to an east-west fracture system. Inconsistent and podlike alteration zones occur in the southern part of the property. No correlation to fracture patterns or rock units can be distinguished.

## Mineralization

Quartz veining is most common in the medium grained dacite tuff unit (2b). There is a general NNE strike to the veins ~~however, the veins~~ which <sup>usually</sup> pinch out within 10-15 meters. Some veins carry traces of pyrite, chalcopyrite, magnetite and galena. ~~The mineralized quartz veins cannot be distinguished at surface from those veins which appear barren of sulphides.~~

Pyrite, chalcopyrite, pyrrhotite and magnetite occur as <sup>fine</sup> disseminations along fracture planes in the aphanitic dacite. A minor amount of finely disseminated pyrite is found in the andesite and dacite tuffs. Pyrite cubes (up to 1cm in length) are found in the quartz sericite alteration zone. Very fine ~~and~~ disseminated chalcopyrite, pyrite and magnetite is found in some quartz veins.

The small sulphide showing (figs. 3-4) appears to be a podlike zone hosting disseminated masses of pyrite, chalcopyrite, pyrrhotite and magnetite. Pyrrhotite and chalcopyrite usually occur together with very <sup>narrow</sup> ~~small~~ rims of chalcopyrite encrusting small pyrrhotite flakes. Hemalitic alteration outcrops <sup>at the edges of</sup> close to the more massive sulphide occurrence in both dacitic and andesitic units. Chloritic, siliceous and carbonate alteration was found in close proximity to the showing.

## CONCLUSIONS AND RECOMMENDATIONS

Weak sulphide mineralization discovered south of Dalton Creek does not indicate a significant exploration target. Values received from analysis of rock and talus samples are too low to be followed up.

One talus sample from an iron carbonate zone returned 200 ppb gold and 1000 ppm arsenic. Since many of the gold bearing veins at ~~Tuckson~~ in the McDome area are associated in a general way with east trending iron carbonate manganese alteration zones it is recommended that further sampling be done along the stronger alteration zones present in the northern portion of the DALTO claim.

A statement of expenditures incurred to date follows this report  
Respectfully submitted.

J. Stephen Explorations Ltd.



## Costs

### Helicopter

Mobilization	July 18, 1983	1.0 hrs @ \$475.00	475.00
Demobilization	July 22, 1983	.9 hrs @ \$475.00	427.50

### Food / Supplies

2 men @ \$12.00 per day per man	5 days	120.00
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### Sample Analysis

29 Rock Samples	@ \$10.00 per sample	290.00
40 Talus Samples	"	400.00
10 Silt Samples	"	100.00

### Salaries

Audrey E. Heagy	@ \$75.00 per day	375.00
Mary P. Webster	@ \$65.00 per day	325.00

TOTAL \$ 2512.50