

EXPLORATIONCOMINCO LTD.WESTERN DISTRICT

NTS: 104 0/16

12 February 1986

YEAR END REPORTTSEE GROUP

YEAR: 1985

FIELD SEASON: August 18-September 7

Work Proposal No. W186

1. SUMMARY

The TSEE showing is located 9 km SW of the Midway Pb-Zn-Ag deposit in northern B.C. Access is by cat trail from the Tootsee River road, ending 20 km south of Rancheria on the Alaska Highway. 1985 work tested mineralized Pb-Zn-Ba float by bulldozing 7 trenches and soil sampling over the contact area. Geochemical anomalies in rock and soil in Pb-Zn-Ag-Ba are present in both the carbonaceous siltstone of the U. Devonian-Miss. Earn Group and in the dolomitized limestone of the U. Dev. McDame Group. The anomalies center on the contact but extend up to 100m into either rock type. Mineralization consists principally of smithsonite with traces of galena and sphalerite associated with a barite or dolospar gangue. The best grades were 0.2% Pb, 4.2% Zn, 0.7 g/t Ag over 3m and 1.8% Pb, 1.3% Zn, 24 g/t Ag over 2m, in trenches 2 and 5 respectively. Pieces of float from this area ran up to 0.2% Pb, 39% Zn, 2 g/t Ag.

Because of close similarities to the Midway deposit geologic setting and because of widespread geochemical anomalies in rock and soil it is recommended that the claims be held and further explored. A program of field mapping and detailed geochemistry and VLF should be carried out to further assess the geologic potential of the McDame-Earn contact, in areas still untested, prior to mounting a 500m diamond drill program.

2. LOCATION (Plate 1)

NTS: 104 0/16 Elevation: 1300-1800m Latitude: 59°52' Longitude: 135°25'  
Liard Mining Division, B.C.

The claims are located approximately 25km south from the village of Rancheria and 95km west-southwest of Watson Lake, Y.T. Access is by helicopter from Watson Lake or by 2 wheel drive road to about 2km from the north end of the claims. A cat trail leads south to the camp and showing from a landing on the 2 wheel drive road.

Most of the claims lie in alpine terrain with isolated willow bushes and spruce forests at lower elevations. Near the valley bottoms water is plentiful but higher up it is dry and water may have to be pumped for drilling.

### 3. TENURE (Plate 2)

Cominco has 100% interest in the claims subject to a letter of agreement with J.C. Stephens Exploration Ltd., who is entitled to 10% of net production proceeds from the property.

<u>CLAIMS</u>	<u>NO. OF UNITS</u>	<u>RECORD NOS.</u>	<u>RECORDED</u>	<u>ASSESSMENT WORK DUE</u>
<del>T00-1</del>	<del>20 units</del>	<del>1824</del>	<del>April 1, 1981</del>	<del>April 1, 1988</del>
<del>T00-2</del>	<del>20 units</del>	<del>1825</del>	<del>April 1, 1981</del>	<del>April 1, 1988</del>
<del>T00-3</del>	<del>20 units</del>	<del>1826</del>	<del>April 1, 1981</del>	<del>April 1, 1988</del>
T00-4	9 units	1827	April 1, 1981	April 1, 1990
T00-5	12 units	2043	Sept. 16, 1981	Sept. 16, 1990

### 4. HISTORY OF PREVIOUS WORK

The property was acquired by staking in 1981 to cover an area of favourable geology and geochem anomalies found by J.C. Stephen who had worked in the area previously.

In 1981, J.C. Stephen Exploration Ltd. conducted a program of geological mapping and contour soil sampling.

### 10. EXPENDITURE SUMMARY FOR YEAR UNDER REVIEW 1985

Communications	\$ 736.77
Salaries - Permanent	7,145.00
- Temporary	2,946.00
Field Bonus - Permanent	1,039.00
- Temporary	600.00
Geology - Supplies	331.51
- Equipment	685.62
Laboratory - Analyses and Supplies	2,250.35
Trenching - Cat Contract	8,875.00
-Fuel (Cat/Helicopter)	3,992.42
Transportation - Helicopter	8,321.00
Domicile - Supplies	2,165.71
- Equipment	1,667.94
Mob-Demob - Expencc Accounts (RJS,DO,CR)	2,804.28
- Truck Rental	1,153.45
- Truck Fuel	377.52
- Freight and Trucking	2,400.01
Expediting	755.00
Drafting and Reproduction	90.60
Orthophoto and Contour Map	1,500.00
Reclamation	887.58
Tenure	<u>1,990.00</u>
TOTAL EXPENDITURES	<u>\$52,714.76</u>

TOTAL BUDGET - \$50,000

## 11. CONCLUSIONS

The widespread and consistent Pb-Zn geochemical anomalies in soil and rock, near the Earn-McDame contact, are favourable indicators of blind mineralization in the area. Important similarities in geology and in Pb-Zn occurrences in the McDame Limestone-Earn Clastics have been established between the TSEE prospect and the Midway deposit nearby. This geochemical signature is strong and widespread on the TSEE and needs further exploration.

## 12. RECOMMENDATIONS

1. Detailed soil geochemistry on 25m centres over the contact zone extending 200m on either side of it into the siltstones and carbonates.
2. Detailed mapping of the contact to establish its continuity west of trench 2 and south of trench 7.
3. VLF surveying to accurately locate the carbonaceous siltstone-dolomitized limestone contact in overburden covered areas.
4. Prospecting and mapping in appropriate parts of the claim group, to locate karst fill sediments in place or as float below the contact. This should be done on the entire claim group.
5. Test the downdip extension of the mineralization in the vicinity of trenches 2-3-4 by drilling approximately 500m in 3 to 4 shallow holes.

## 13. REFERENCES

- Gabrielse, 1968. Geology of Jennings River Map Area, B.C. (104-0), GSC paper 68-55.
- MacIntyre, 1983. A Comparison of the Geologic Setting of Stratiform Massive Sulfide Deposits of the Gataga District With the Midway and Windy-Craggy Deposits, Northern B.C., pp. 149-170, B.C. Ministry of En. Mines and Res. Paper 1983-1.
- Mawer, 1982. Cominco Year End Report - TSEE Claims.
- Stephen, Prior and Masson, 1981. Project Report on TSEE Claims 1981, for Cominco Ltd.