

83-#643 - #11309

9

PROSPECTING REPORT  
FLY CLAIMS  
TOOTSEE RIVER AREA  
LIARD MINING DIVISION, BRITISH COLUMBIA

Location

NTS: 104-0-15E/16W  
Latitude: 59°57'16"  
Longitude: 130°31'36"

For

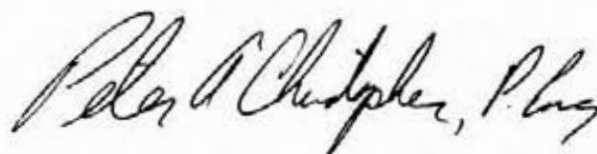
REG RESOURCES CORPORATION  
8220 B Lansdowne Road  
Richmond, British Columbia V6X 1CZ

By

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GEOLOGICAL BRANCH  
ASSESSMENT REPORT

11,309



August 31, 1983

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## FLY CLAIMS

### SUMMARY

A brief prospecting examination was conducted on the 50 unit Fly Claim group between July 31 and August 4, 1983. The writer was retained by the property owner, Reg Resources Corporation. Fifty-one soil or silt and eleven rock samples were collected with both tungsten and lead-zinc-silver showings located. A strong silt geochemical anomaly was detected in the creek draining to the northeast from the centre of the property. Silt samples 1B (in PPM ran 52 Pb, 140 Zn, 1.2 Ag) and B4 (in PPM ran 260 Pb, 840 Zn, 3.6 Ag). Further work to define the source of these anomalies is warranted.

## INTRODUCTION

The Fly Claim group was examined, mapped and prospected between July 31 and August 2, 1983. The examination was conducted for Reg Resources Ltd. of Vancouver, B.C. at the request of Mr. John Robertson. The writer was assisted by Mr. David Melnychuk of Watson Lake and a Hughes 300 Canwest helicopter stationed at Rancheria. Helicopter support was not available on August 2nd which resulted in reduced coverage for that day.

### LOCATION AND ACCESS (Figures I and II)

The claims are situated at the headwaters of the north branch of Tootsee River in northern British Columbia, 100 kilometres west of Rancheria, Y.T. The claims are centered at Latitude 59°57'16" and Longitude 130°31'36" in N.T.S. Topographic and Mineral Claim Sheets 104-0-15E & 16W.

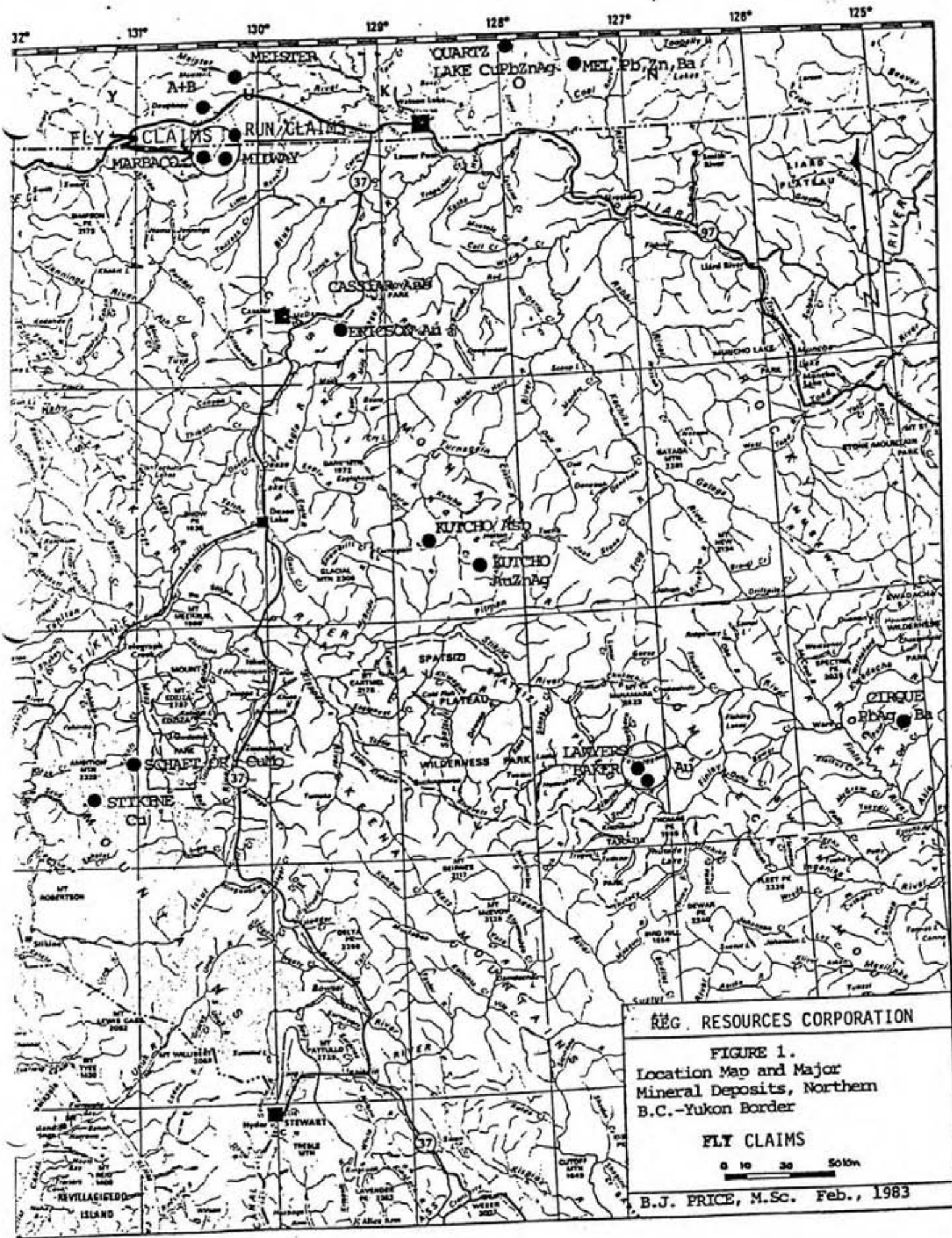
Roads along Freer Creek and the Tootsee River are within about a kilometre of the claim boundary and a cut baseline from near the Marbaco (Amy Deposit) Camp extends to the ridge on the Fly Claims.

### PROPERTY DEFINITION

The Fly Claim Group consists of the Fly 1 thru 4 and 2A claims staked by the modified grid system and the AG1 and AG2 two post claims. The AG1 and AG2 are internal to the Fly 1 and 2 claims. The Bear and Bear 2 claims are not part of the property and reduce the 1250 hectare area of the property by about 3 units or 75 hectares. Figure 2 shows the claim distribution and Table I gives pertinent claim data.

Table I Pertinent Claim Data

<u>Name</u>	<u>Record No.</u>	<u>Units/ Distribution</u>	<u>Staker</u>	<u>Expiry Date</u>
Fly 1	2452 (9)	8/(4S, 2E)	Jake Melnychuk	Sept. 2/83
Fly 2	2456 (9)	16/(4S, 4W)	Skip Melnychuk	Sept. 7/83
Fly 3	2453 (9)	10/(2N, 5W)	Jean Legare	Sept. 2/83
Fly 4	2651 (9)	4/(2N, 2E)	George Rudzk	Sept. 2/83
Fly 2A	2699 (2)	12/(4S, 3E)	T. Cameron Scott	Feb. 2/84



REG. RESOURCES CORPORATION

FIGURE 1.  
Location Map and Major  
Mineral Deposits, Northern  
B.C.-Yukon Border

FLY CLAIMS

0 10 20 30 km

B.J. PRICE, M.Sc. Feb., 1983





130°30'

104 O/16

Yukon 130°00' 60°00'

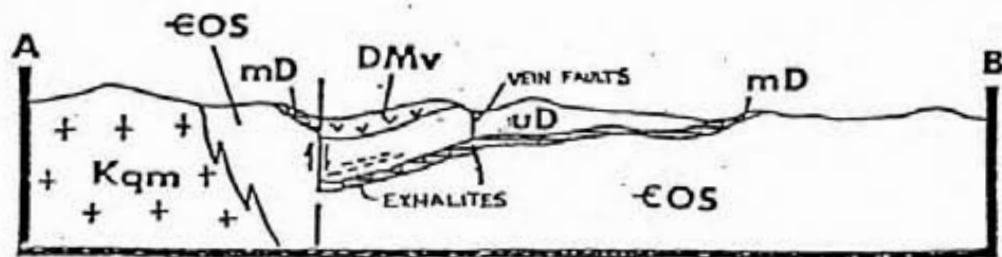
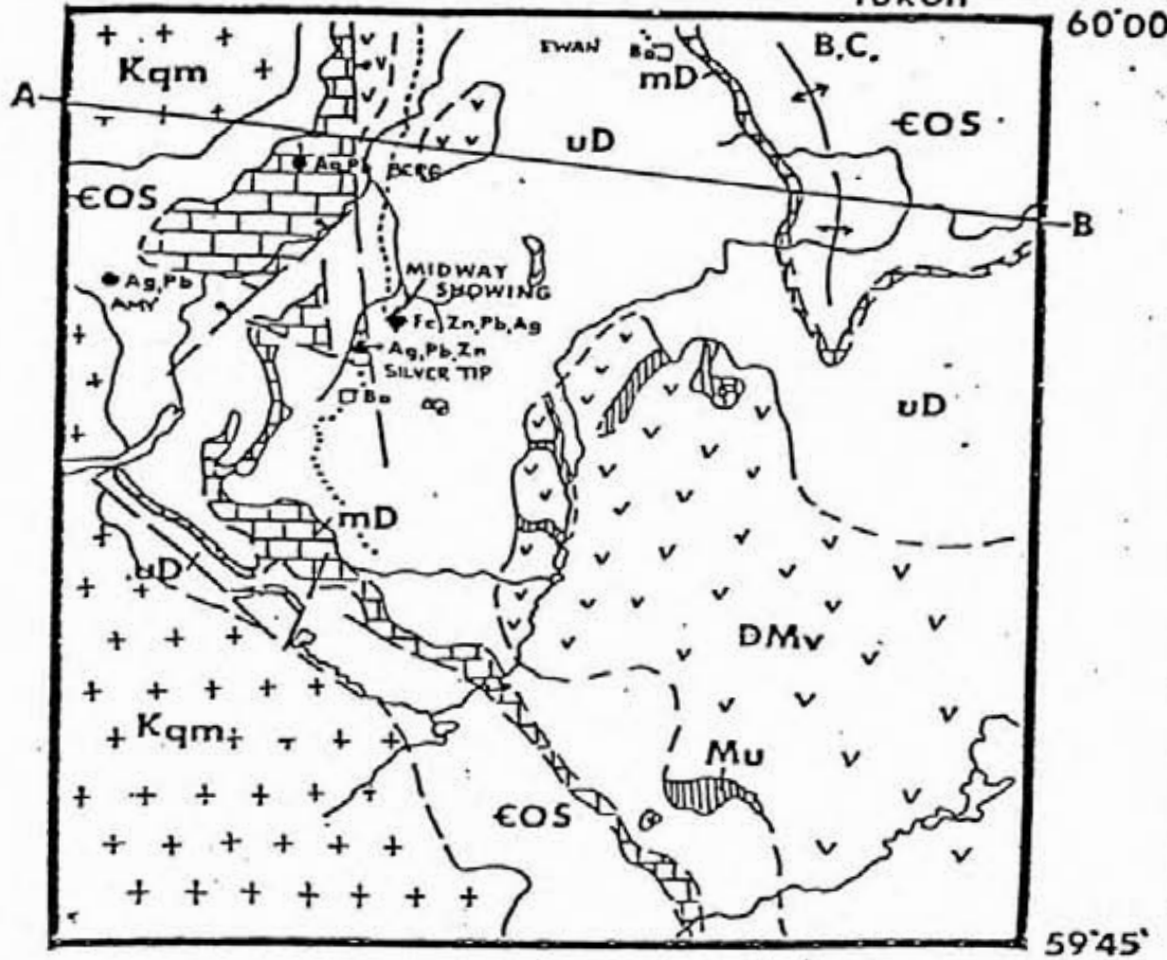


Figure 3a. Generalized geology in vicinity of the Midway showing, Jennings River map-area; geology and legend modified from Gabrielse (1969).

(Source, McIntyre, D.G., 1982. BCDM Paper 82-1)



## HISTORY

The Fly Claims were staked for Reg Resources Ltd. to cover open ground around the AG 1 and AG 2 claims and the Bear Claims owned by Doug Schnellenberg. The AG 1 and AG 2 claims were purchased by John Robertson. Dupont worked the area for tungsten and located several tungsten bearing skarn bands and fault zones near the centre of the property, but the tungsten potential of the property appeared limited and the option was dropped. Reg Resources acquired the ground in 1983 to explore the area for silver-lead-zinc and retained Peter Christopher and Assoc. in July, 1983 to conduct initial prospecting, geological and geochemical studies.

### REGIONAL GEOLOGY (FIGURE 3)

The area of interest is situated on the east flank of the Cassiar batholith which extends over 300 km southeasterly from Wolf Lake map sheet in the Yukon to the Kechika map area in British Columbia. In the Jennings River and Cassiar-McDame map areas the eastern flank is underlain by Paleozoic rocks from Cambrian to Carboniferous in age and separable into two or more contrasting assemblages, some of which are believed to be "allocthonous" (i.e., deposited elsewhere and moved into place along flat lying faults) (Gabrielse and Mansy, 1980).

Rocks are described in detail by Gabrielse (GSC Paper 68-55, 1968); brief descriptions of the mapped units are summarized below:

#### Good Hope and Atan Groups: (Unit 1)

Rocks of these units, probably Hadrynian and Lower Cambrian in age, are exposed only near the contact with the Cassiar batholith, where they have undergone extensive contact metamorphism. Clastic rocks are converted to hornfels and quartzites and limestones to marble and skarn.

#### Kechika Group:

Unit 2 and Unit 3 include rocks of Upper Cambrian to Silurian age. These are strongly hornfelsed shales and siltstones and calcareous phyllites. Shales in the lower part of Unit 3 carry graptolite fossils. Unit 2 may be as thick as 1000 feet (300 m) but unit 3 is thin, from 100 to 200 feet (30 to 60 m).

#### Unit 4:

Two formations described by Gabrielse as Units 4a and 4b are distinctive light-grey weathering resistant dolomites, sandy dolomites and dolomitic sandstones with conspicuous bedding. The units are believed to be Silurian and Lower Devonian.

TABLE II.  
Legend for Figure 3a.

CRETACEOUS

CASSIAR BATHOLITH

Kqm Quartz monzonite, granodiorite

MISSISSIPPIAN AND LATER

Mu Serpentinite, dunite, peridotite

UPPER DEVONIAN TO MISSISSIPPIAN

SYLVESTER GROUP (UPPER)

Dmv Greenstone, agglomerate; dacitic tuff; minor chert, metadiorite

MIDDLE TO UPPER DEVONIAN

SYLVESTER GROUP (LOWER)

uD Slate, argillite, chert, siltstone, chert-arenite, greywacke, chert pebble conglomerate, minor limestone

MIDDLE DEVONIAN









McDAME GROUP

mD Dolomite, fossiliferous limestone

CAMBRIAN, ORDOVICIAN, AND SILURIAN

EOS Dolomite, dolomitic sandstone and siltstone, graptolitic black shale, platy siltstone, calcareous phyllite, phyllitic limestone skarn, hornfels, limestone, quartzite

Symbols

High-angle fault; ball on downthrown block .....	
Antiform .....	
Contact: defined; assumed .....	
Road .....	
Stratabound barite .....	
Stratabound massive sulphide .....	
Mineral occurrence in carbonate rocks .....	
Exhalite horizon .....	

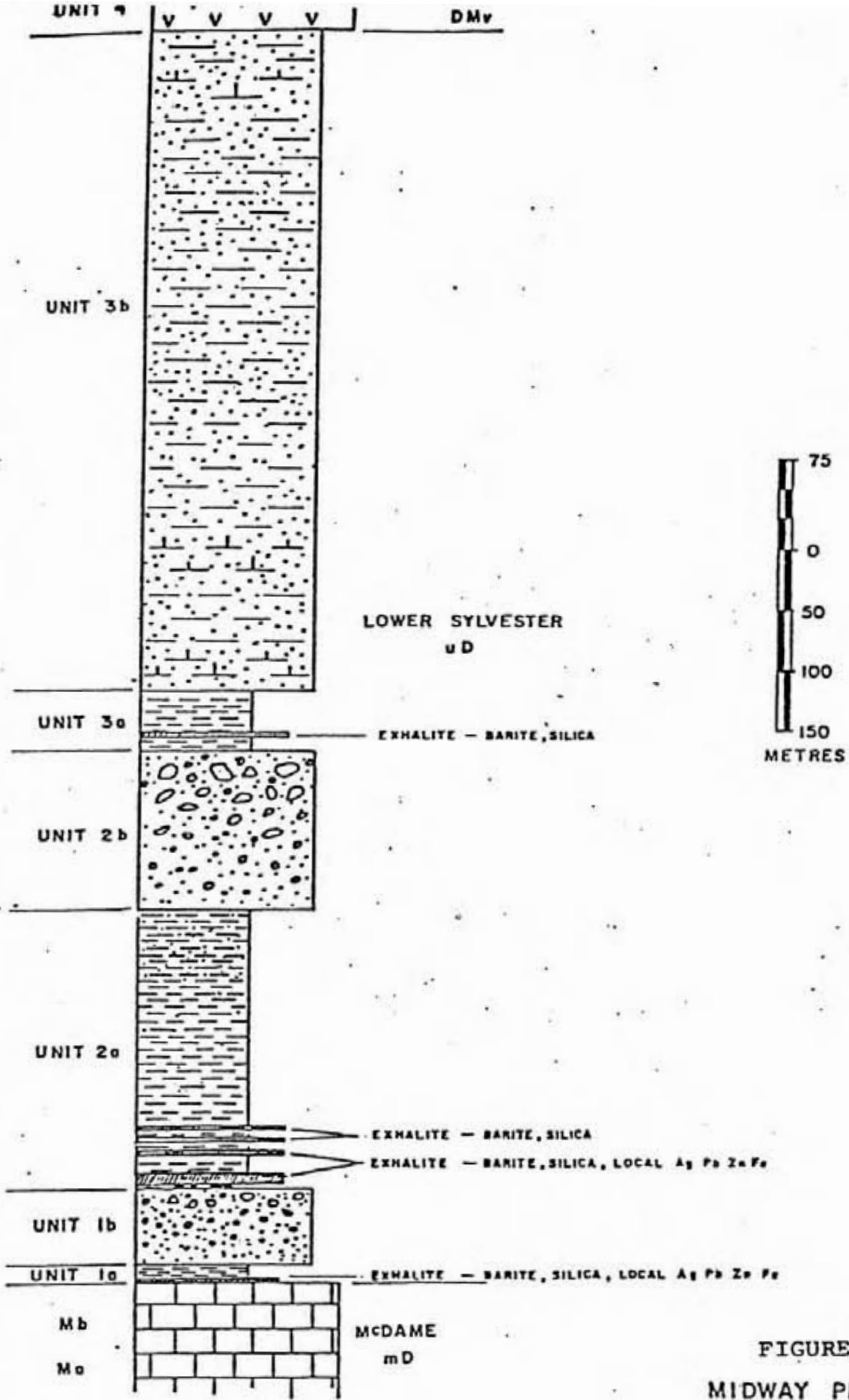


FIGURE 4  
MIDWAY PROPERTY

STRATIGRAPHIC SECTION

(Source: Hylands, J. 1981)

NOVEMBER, 1981

### McDame Group - Unit 5:

The McDame Group, dark, fetid, dolomites and limestones with abundant fossil debris, forms a distinctive marker unit. Dolomite (intraformational?) breccia is common and white vuggy dolomite may represent reefoid accumulations of fossils, representing shoals in a shallow platform environment. Fossil evidence indicates that the McDame Group is Middle Devonian in age.

### MINERAL DEPOSITS IN THE AREA

The most significant development in mineral exploration in the southern Yukon and northern B. C. within the last few years has been the discovery of stratiform silver-lead-zinc mineralization within "exhalite" massive sulphide and silica/barite horizons in the lower portion of the Mississippian-Devonian Sylvester group.

The discovery, by Regional Resources Ltd. and partners Amax of Canada and Procan Exploration Ltd. has resulted in an extensive staking program and re-evaluation of geological data concerning mineral showings adjacent to the "Midway" property.

Several other silver-lead-zinc deposits not as yet of economic size or grade, occur in close proximity, in Cambrian to Middle Devonian strata, and also in high grade veins within the Cassiar Batholith. Several of these deposits are described briefly, following a description of the Midway property.

Vein mineralization occurring at the Silver Tip showing is discussed under a separate heading.

### Midway Deposit:

The "Midway" deposit, staked by Regional Resources in 1980 and drilled in 1981 and 1982 was discovered as a result of careful exploration of the previously explored Silverknife (Silver Tip) silver-lead-zinc showing, following investigation of strongly anomalous silt sample results in the 1980 regional geochemical survey.

Six drill holes in 1981, totalling 853 meters indicated the presence of 3 mineralized zones dipping southeasterly at about 30 degrees. The lowermost zone observed only in drill core overlies the McDame limestone and varies from 1 to 1.5 meters thick and contains from 2.65 to 23.39% combined lead-zinc and from 1.24 to 22.59 oz/ton silver. This zone is locally absent and may grade laterally into siliceous, pyritic, exhalite. Four of the 6 holes encountered a "dry cavernous opening 15 cm to 150 cm wide" near the McDame-Sylvester contact.

The lower zone consists of weakly bedded to brecciated pyrite, galena, sphalerite and carbonate fragments in an argillaceous matrix.

The middle, or "Discovery" zone, found in outcrop, occurs about 70 meters stratigraphically above the lower zone, within argillite and sandstones.

This zone varies for 0.5m to 11.2 meters in thickness and ranges in grade from 4.56 to 13.36 percent combined Pb-Zn and 1.26 to 5.03 oz/ton silver.

The Upper Zone is about 10 - 20 meters above the Discovery zone, ranges in thickness from 0.40m to 3.17m in thickness and has combined lead-zinc grades ranging from 2.62% to 13.15% and silver grades.

Drilling of 18 additional holes in 1982 has proven 2.78 million tonnes (3.05 M. tons) averaging 13.3 oz/tonne silver, 12% zinc and 6.1% lead with minor but possibly economic quantities of tin, bismuth, gold and copper. (Richardson, Greenshields, Canada Ltd. - research report). Composite samples from core from 8 holes averaged 0.023 oz/ton gold, 0.35% copper, and 0.14% tin. The deposit is now known to exist over an area 2,000 feet (600m) square through a geological section of 100 ft. (30m). Definition of the deposit is not complete.

The exhalite horizons can be traced for at least 14 km along strike on the southwest part of the property and similar horizons are seen 10 km to the northeast. On the northeast side of the property a barite exhalite 4 m-thick has been traced for 5 km in float and outcrop.



The mineralized horizons are believed to represent sulfide rich exhalations deposited on the floor of a rift-controlled basin up to 14 km wide (Hylands, 1981).

The showings respond well to standard geochemical soil and silt sampling techniques; the Discovery showing has a broad coincident Pb-Zn-Ag-Ba anomaly, and seven additional areas have coincident Pb-Zn-Ag anomalies. Airborne EM and magnetometer surveys were flown and ground EM and gravity surveys were done. Two pulse EM anomalies and one vector EM anomaly were verified by drilling.

An idealized stratigraphic section prepared by D. G. McIntyre from company plans is reproduced in Figure 4.

#### Amy (Fosco) Showings:

The Amy deposit is situated approximately 18 miles south of YP claims and two miles north west of the north end of Tootsee Lake. The showings were discovered in 1948 and staked by Hudson Bay Exploration as the Gem Group. In 1949, 8 diamond drill holes were completed totalling 2,935 feet, and seven deep trenches traced the mineralized zone for 550 feet with maximum width 7 feet in DDH - 2. The mineralization, galena, tetrahedrite, sphalerite, pyrrhotite and ankerite occurs as a replacement zone in limestone along a limestone-argillite contact and near the surface trace of the granite contact. The zone occupies a shear zone striking north 55-65 degrees west and dipping 60 degrees southwest.

Further work on the property in 1964 by Rancheria Mining Company consisted of soil surveys, magnetometer surveys and underground development.

In the underground workings, the vein in a 66 foot section averaged 5.9 feet wide and assayed 27.4 oz/ton silver, 7.5% zinc and 7.5% lead. Further drifting along the vein in 1965 disclosed a vein length of at least 419 feet. Additional bulldozer trenching on other geochemical anomalies disclosed other veins. Diamond drilling to test continuity consisted of 24 holes totalling 7,500 feet.

The claims lapsed in 1969 and in 1970 the property was restaked by Fosco Mining Limited. Further underground work and drilling was done and a feasibility study was done by Dolmage, Campbell and Associates, who concluded that the deposit contained the following tonnages (diluted):

<u>Category</u>	<u>Tons</u>	<u>Ag(oz/t)</u>	<u>Pb%</u>	<u>Zn%</u>
Measured	11,400	17.10	3.74	6.26
Drill indicated	31,100	6.31	1.78	6.80
Geologically inferred	<u>68,400</u>	no grade assigned		
TOTAL:	<u>110,900</u>			

The consultants further stated that "A comparison between the grade of drill intercepts near the underground workings and assays from channel samples taken from the drift suggests that the estimated grade in the drill indicated category is probably low by an unknown but significant amount. The reserve estimate outlined in this report should not be considered as limiting the ultimate potential of the deposit".

Bench scale mill tests produced a concentrate acceptable to custom smelters. A detailed underground exploration program was recommended, but immediate production was not recommended at that time because of the weak price for silver (\$1.29 to \$2.57 per ounce).

In 1973, additional surface work was done, confirming sampling completed on the 4450 level, and a 1400 foot crosscut and 220 feet of drifting done on the 4,200 feet level.

A second estimate of ore reserves was done by Chapman Wood and Griswold in 1974, who concluded that total ore reserves now were + 140,000 tons as follows:

<u>Category</u>	<u>Tons</u>	<u>Grade Ag(oz/t)</u>	<u>Pb%</u>	<u>Zn%</u>
Measured	18,122	13.88	3.27	7.29
Drill indicated	<u>61,727</u>	<u>9.76</u>	<u>2.70</u>	<u>5.63</u>
Total	79,849	10.70	2.84	6.03
Inferred	<u>59,326</u>	no grade assigned		
TOTAL:	<u>140,000</u>			

The claims were acquired by Marbaco Mines Ltd. in 1980 along with adjacent claims owned by D. Schellenberg. Marbaco performed geochemical surveys and trenching which indicated additional zones could be present.

At present metal prices (\$15/oz Ag, 28¢/lb Pb, 49¢/lb Zn), gross metal value per ton of ore (1974 reserve data) is \$235.50. (The estimated grade of drill indicated reserves is probably still low compared with measured reserves, as in the 1971 calculations). Few recent assays exist for gold but several samples taken from 1949 to 1967 contain 0.01 to 0.02 oz/ton.

Prospects are considered encouraging for discovery of additional mineralized zones at this property.

Some similarities exist between the Amy deposit and the lower most "exhalite" zone at the Midway deposit:

- 1) Both deposits occur near limestone - phyllite contacts.
- 2) Solution caves are found adjacent to both deposits.
- 3) Mineralogy and reserve grades are similar.
- 4) Mineralization is parallel with bedding in both deposits.

The Amy deposit is described in most reports as a strike fault system with characteristics of quartz-siderite-sulphide replacement of limestone in a Shear zone. However, the possibility exists that the deposit represents a remobilized stratiform exhalite deposit, with potential for augmentation of reserves along strike and dip.

#### Silver Tip Showing (Midway Property)

The Silver Tip showing, a vein or replacement deposit, is situated three miles northeast of Tootsee Lake. Extensive work was done on the property from 1956 to 1968 by several large companies including Conwest, Canex, Noranda, Bralorne Mines

and Peerless Oil and Gas. It now forms part of the Midway property of Regional Resources and partners.

The area is underlain by thick-bedded McDame limestone of Devonian age, overlain by Mississippian-Devonian Sylvester Group phyllites. Gossan zones and galena float are found in several zones trending north-easterly. The largest gossan zone, No. 2, ranges from 15 to 65 feet wide and is 700 feet long and was reported to average 5.7 oz/ton silver, 6.2% lead and 2.9% zinc. Individual pieces of galena from the zone assay about 150 oz/ton silver and 70% lead (BCMM Ann. Report 1968, p. 25-33). The same zone intersected in several drill holes consisted of "frozen mineralized gossan". No. 4 zone, intersected in the upper adit was sampled over 38 feet by taking muck from 175 cars, the average was 13.84 oz/ton silver, and 15.4% lead. The average of the channel samples along 40 feet in the west drift was over five feet, 0.02 oz/ton gold, 12.0 oz/ton silver, and 14.5% lead. The same zone, intersected in the lower adit, approximately 650 feet down the dip of the fault zone, is almost completely oxidized and resembles "soft brown sugar". This almost completely leached material assays 0.2 oz/ton silver, 0.1% lead and 4.5% zinc.

Mineralized zones such as the above are localized on strong faults and fractures in the McDame limestone, along the crest of an anticline and appear to be almost completely oxidized to depths exceeding 600 feet from the surface. Apart from the gossan zones, considerable pyrite with minor sphalerite and galena occurs in the holes drilled in the phyllite, (presumably Sylvester Group), and minor galena and sphalerite occur in quartz and calcite veins and in limestone. To the writer's knowledge, fresh vein material from which the gossans resulted has not been seen on the property.

This vein-replacement deposit, as yet untested by Regional Resources has strong similarities to the Amy deposit of Marbaco Resources. Mineralogy and grades are similar and probably origin by replacement along fault zones in limy horizons seems almost certain. Considering the presence of mineralization over a vertical range of over 650 feet and 5 foot mining width, the eventual development of economic reserves on this portion of the property seems certain.

## DISCUSSION

The Fly Claims are underlain mainly by limestone, argillite, mafic dykes and granite. The granite and dyke rocks have caused various metamorphic reactions in the intruded sediment. Several skarn bands were noted on the prominent ridge in the centre of the claim group and schulite was revealed in two skarn bodies by U-V lamping. Assays up to 0.06% W were obtained and seven of the eleven rock samples were above background in tungsten. Above background molybdenum ( 5 ppm) was obtained from four samples and a high value of 0.014% Mo was obtained for sample No. 10. Lead and zinc values were all less than 1% but sample No. 10 with visible galena (?) ran 0.92% Pb, 0.41% Zn and 1.59 oz/ton Ag. Sample #9 was higher in iron sulphides than other rock samples and also had above background values for all five elements analysed. Rock samples were found to mainly lie in the area shown on claim map 104-0-15E to be part of the Ag or Bear claims but these rocks indicate favourable host of Pb, Zn, Ag, Mo and W occur on the Fly Claims.

Soil samples were collected in the valley north of the above mentioned ridge. The 48 soil samples collected are generally not strongly anomalous but silt samples 8381 - 1 B and 8381-B-04 have values of 52 ppm Pb, 140 ppm Zn, 1.2 ppm Ag and 260 ppm Pb, 840 ppm Zn, 3.6 ppm Ag, respectively. The samples are from the creek that drains the above mentioned ridge and suggest that follow-up geological, geochemical and prospecting should be conducted to determine the cause of this anomalous creek.

### CONCLUSIONS AND RECOMMENDATIONS

Based on a two day examination by the writer and one day of prospecting and geochemical sampling by D. Melnychuk, the writer concludes:

1. Anomalous geochemical conditions have not been explained for the creek draining from the central ridge on the Fly Claims.
2. Additional Geochemical, Geological and Prospecting surveys are required to explain the source of anomalous silts.
3. Rocks collected along the central ridge have anomalous concentrations of Ag, Pb, Zn, Mo and W and these elements should be analysed in future surveys. Tin should be run on any anomalous samples.
4. The Fly Claims appear to have potential for both sedex deposits and skarn deposits containing Pb, Zn, Ag, W, Mo and probably tin.

The writer recommends that the Stage I geological prospecting and geochemical survey recommended by Price (1983) be conducted as soon as practicable, and that the survey be concentrated on the northerly slope of the central ridge.



COST STATEMENT REG CLAIMS

Personnel

P.A. Christopher field July 31; Aug. 1,2,4/83	6 days @ \$325	\$ 1,950.00
D. Melnychuk, July 31; Aug. 1/83		250.00
Room & Board	6 man days \$40	240.00
Truck Costs (4x4)	4 days @ \$100 ea. includes gas, mileage & mob/demob charge	400.00

Materials & Services @ Cost plus 15%

Airfare - Van-Watson Lake-Van	\$ 451.00	
Helicopter - 0.8 hr. @ \$330/hr.	257.44	
Map Preparation	150.00	
Field Consumables (flagging, chain, sample bags, fuel, office, etc.)	100.00	
Telephone/Radio	30.00	
Shipping	26.00	
Geochem:		
51 soil & silt @ \$4.60 plus prep.	285.80	
11 rock samples	119.35	
Maps & Copies	15.00	
Expediting - 50% camp total of \$300	<u>30.00</u>	
Materials & Services total	\$ 1,464.59	
plus 15%	<u>219.69</u>	\$ 1,684.28

Report Preparation

typing, drafting, photocopies, etc.	<u>500.00</u>
-------------------------------------	---------------

TOTAL \$ 5,024.28

Job Estimate and Invoice (For Assessment) \$ 5,000.00

*Peter A. Christopher, P. Eng.*

CERTIFICATE

I, Peter A. Christopher, with business address at 3707 West 34th Avenue, Vancouver, British Columbia, do hereby certify that:

- 1) I am a consulting geological engineer registered with the Association of Professional Engineers of British Columbia since 1976.
- 2) I am a Fellow of the Geological Association of Canada and a member of the Society of Economic Geologists.
- 3) I hold a B.Sc. (1966) from the State University of New York at Fredonia, a M.Sc. (1968) from Dartmouth College and a Ph.D. (1973) from the University of British Columbia.
- 4) I have been practising my profession as a Geologist for over 15 years.
- 5) I have based this report on all available geological data on the property and on a personal examination of the property.
- 6) I consent to the use of the report by Reg Resources Ltd. for whatever purposes it deems necessary.

  
PETER A. CHRISTOPHER, Ph.D., P.Eng.

REFERENCES

- Eccles, L.K., 1980. Geological and Geochemical Report, Bear, Bear 2, JM, JR, TM, BP Claims, etc. Dupont of Canada Exploration, unpublished report.
- Gabrielse, H., 1969. Geology of the Jennings River Map - Area. GSC Paper 68-55, 37 pp.
- Gordey, S.P. et al, 1982. Stratigraphy and Structure of Sylvester Allocthon, Southwest McDame Map - Area, Northern British Columbia. Geological Survey of Canada.
- Gross, W.H., 1964. Geological, Geochemical and Geophysical Studies, Amy Claim Group, Rancheria Mining Company Ltd., BCDM Assessment Report No. 734.
- Holland, S.S., 1968. Silver Tip Claims. Liard MD. Summary of Geology and Exploration. BCDM Annual Report, p. 24 - 33.
- Hylands, J., 1980. Midway Property, Assessment Report No. 9912, BCDM.
- McIntyre, D.C., 1982. Midway Occurrence. Geological Fieldwork, 1982. BCDM Paper 1982-1 pp 162-166.
- Poole, W.H. et.al., 1960. Wolfe Lake Map Area, Yukon Territory, GSC Map 10-1960.
- Price, B.J., 1983. Geological Report Fly Claims, Tootsee River Area, Liard Mining District. February 6, 1983 Report for Reg Resources Corp.



# CHEMEX LABS LTD.

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NORTH VANCOUVER, B.C.  
CANADA V7J 2C1  
TELEPHONE: (604) 984-0221  
TELEX: 043-52597

• ANALYTICAL CHEMISTS

• GEOCHEMISTS

• REGISTERED ASSAYERS

\*\*\* INVOICE \*\*\*

: CHRISTOPHER, PETER & ASSOC.

Invoice # : I8313422

3707 WEST 34TH AVE.,  
VANCOUVER, B.C.  
V6N 2K9

Date : 11-AUG-83  
P.C. # : NONE  
Project FLY 1

Invoice for analytical work reported on certificate(s) A8313422-001

Quantity	Analysed for code description	unit price	amount
11	003 - Mo	ppm	
	004 - Pb	ppm	
	005 - Zn	ppm	
	006 - Ag	ppm	
	018 - W	ppm	
		8.35	91.85

Sample preparation and other charges :

11	205 - Rock geochem - RING	2.50	27.50
----	---------------------------	------	-------

TOTAL \$ 119.35

Please pay this amount ----> \$ 119.35

MS -- NET 30 DAYS

% per month (18 % per annum) charged on overdue accounts



# CHEMEX LABS LTD.

212 BROOKSBANK AVE.  
NORTH VANCOUVER, B.C.  
CANADA V7J 2C1

TELEPHONE: (604) 984-0221  
TELEX: 043-52597

• ANALYTICAL CHEMISTS

• GEOCHEMISTS

• REGISTERED ASSAYERS

## CERTIFICATE OF ANALYSIS

: CHRISTOPHER, PETER A. & ASSOC.

CERT. # : A8313422-C01-A  
INVOICE # : I8313422  
DATE : 11-AUG-83  
P.O. # : NONE  
FLY 1

3707 WEST 34TH AVE.,  
VANCOUVER, B.C.  
V6N 2K9

CC: JOHN ROBERTSON

Sample description	Prep code	Mo ppm	Pb ppm	Zn ppm	Ag ppm	W ppm	
80751	205	1	11	158	0.1	1	--
80752	205	5	4	10	0.1	1	--
80753	205	27	7	640	0.1	23	--
80754	205	12	5	6150	0.1	600	--
20755	205	3	4	410	0.2	60	--
80756	205	3	12	155	0.1	16	--
80757	205	1	3	1250	0.1	30	--
80758	205	1	1	30	0.1	2	--
80759	205	7	58	150	0.9	125	--
80760	205	140	9200	4100	50.0	2	--
80761	205	2	8	60	0.1	25	--

Certified by *Hart Buchler* .....



# CHEMEX LABS LTD.

212 BROOKSBANK AVE.  
NORTH VANCOUVER, B.C.  
CANADA V7J 2C1

TELEPHONE: (604) 984-0221  
TELEX: 043-52597

• ANALYTICAL CHEMISTS

• GEOCHEMISTS

• REGISTERED ASSAYERS

## CERTIFICATE OF ANALYSIS

TO : CHRISTOPHER, PETER A. & ASSOC.

3707 WEST 34TH AVE.,  
VANCOUVER, B.C.  
V6N 2K9

CERT. # : A8313422-001-A  
INVOICE # : I8313422  
DATE : 11-AUG-83  
P.O. # : NONE  
FLY 1

CC: JOHN ROBERTSON

Sample description	Prep code	Mo ppm	Pb ppm	Zn ppm	Ag ppm	W ppm	
80751	205	1	11	158	0.1	1	--
80752	205	5	4	10	0.1	1	--
80753	205	27	7	640	0.1	23	--
80754	205	12	5	6150	0.1	600	--
80755	205	3	4	410	0.2	60	--
80756	205	3	12	155	0.1	16	--
80757	205	1	3	1250	0.1	30	--
80758	205	1	1	30	0.1	2	--
80759	205	7	58	150	0.9	125	--
80760	205	140	9200	4100	50.0	2	--
80761	205	2	8	60	0.1	25	--

Certified by *Hart Buchler*





# CHEMEX LABS LTD.

212 BROOKSBANK AVE.  
 NORTH VANCOUVER, B.C.  
 CANADA V7J 2C1  
 TELEPHONE: (604) 984-0221  
 TELEX: 043-52597

• ANALYTICAL CHEMISTS

• GEOCHEMISTS

• REGISTERED ASSAYERS

\*\*\* INVOICE \*\*\*

: CHRISTOPHER, PETER & ASSOC.

Invoice # : I8313421

3707 WEST 34TH AVE.,  
 VANCOUVER, B.C.  
 V6N 2K9

Date : 11-AUG-83  
 P.C. # : NONE  
 Project FLY 1

voice for analytical work reported on certificate(s) A8313421-001 to -002

Quantity	Analysed for code description	unit price	amount
51	003 - Mo ppm		
	004 - Pb ppm		
	005 - Zn ppm		
	006 - Ag ppm	4.60	234.60

Sample preparation and other charges :

37	201 - soil + sediment -80 mesh	0.60	22.20
12	203 - -35 mesh sieve + ring	2.00	24.00
2	205 - Rock geochem - RING	2.50	5.00

TOTAL \$ 285.80

Please pay this amount ----> \$ 285.80

MS -- NET 30 DAYS

% per month (18 % per annum) charged on overdue accounts



MEMBER  
 CANADIAN TESTING  
 ASSOCIATION



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NORTH VANCOUVER, B.C.  
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TELEPHONE: (604) 984-0221  
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• ANALYTICAL CHEMISTS

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## CERTIFICATE OF ANALYSIS

TO : CHRISTOPHER, PETER A. & ASSOC.

3707 WEST 34TH AVE.,  
VANCOUVER, B.C.  
V6N 2K9

CERT. # : A8313421-001-A  
INVOICE # : 18313421  
DATE : 11-AUG-83  
P.C. # : NCNE  
FLY 1

CC: JOHN ROBERTSON

Sample description	Prep code	Mo ppm	Pb ppm	Zn ppm	Ag ppm		
RFCS 8382-C1	201	3	24	155	0.1	--	--
RFCS 8382-C2	201	2	25	133	0.1	--	--
RFCS 8382-C3	201	3	22	130	0.1	--	--
RFCS 8382-C4	201	1	12	100	0.1	--	--
RFCS 8382-C5	201	2	13	93	0.2	--	--
RFCS 8382-C6	201	1	25	72	0.1	--	--
RFCS 8382-C7	201	1	14	78	0.1	--	--
RFCS 8382-C8	201	1	7	50	0.1	--	--
RFCS 8382-C9	201	1	26	85	0.1	--	--
RFCS 8382-10	201	1	16	60	0.1	--	--
RFCS 8382-11	201	1	17	65	0.1	--	--
RFMS 8381-1A	203	1	16	65	0.2	--	--
RFMS 8381-1B	201	1	52	140	1.2	--	--
RFMS 8381-02	201	1	27	95	0.5	--	--
RFMS 8381-03	201	1	19	50	0.2	--	--
RFMS 8381-04	201	1	5	14	0.1	--	--
RFMS 8381-05	203	1	6	19	0.1	--	--
RFMS 8381-06	203	1	4	24	0.3	--	--
RFMS 8381-07	203	1	12	14	0.2	--	--
RFMS 8381-08	205	1	11	35	0.6	--	--
RFMS 8381-09	201	2	42	115	0.4	--	--
RFMS 8381-10	201	1	10	15	0.1	--	--
RFMS 8381-11	203	1	9	15	0.1	--	--
RFMS 8381-12	201	1	7	30	0.1	--	--
RFMS 8381-13	201	1	7	13	0.1	--	--
RFMS 8381-14	201	1	17	47	0.1	--	--
RFMS 8381-15	201	1	14	47	0.1	--	--
RFMS 8381-16	203	2	21	63	0.1	--	--
RFMS 8381-17	203	1	25	14	0.1	--	--
RFMS 8381-18	201	1	16	30	0.1	--	--
RFMS 8381-19	201	1	25	14	0.1	--	--
RFMS 8381-20	203	1	14	40	0.3	--	--
RFMS 8381-B-01	205	4	14	100	0.1	--	--
RFMS 8381-B-02	201	4	17	87	0.1	--	--
RFMS 8381-B-03	201	1	18	122	0.1	--	--
RFMS 8381-B-04	201	2	260	840	3.6	--	--
RFMS 8381-B-05	201	2	17	110	0.1	--	--
RFMS 8381-B-06	203	3	39	555	0.2	--	--
RFMS 8381-B-07	201	3	72	345	1.0	--	--
RFMS 8381-B-08	201	2	61	208	0.1	--	--

Certified by *Hart Bichler*





# CHEMEX LABS LTD.

212 BROOKSBANK AVE.  
NORTH VANCOUVER, B.C.  
CANADA V7J 2C1

TELEPHONE: (604) 984-0221  
TELEX: 043-52597

• ANALYTICAL CHEMISTS

• GEOCHEMISTS

• REGISTERED ASSAYERS

## CERTIFICATE OF ANALYSIS

TO : CHRISTOPHER, PETER A. & ASSOC.

3707 WEST 34TH AVE.,  
VANCOUVER, B.C.  
V6N 2K9

CERT. # : A8313421-002-A  
INVOICE # : 18313421  
DATE : 11-AUG-83  
P.O. # : NCNE  
FLY 1

CC: JOHN ROBERTSON

Sample description	Prep code	Mo ppm	Pb ppm	Zn ppm	Ag ppm		
RFMS 8381-8-09	201	1	42	72	0.1	--	--
RFMS 8381-8-10	201	1	21	90	0.1	--	--
RFMS 8381-8-11	203	1	40	128	0.1	--	--
RFMS 8381-8-12	203	1	12	42	0.1	--	--
RFMS 8381-8-13	201	2	16	48	0.1	--	--
RFMS 8381-8-14	201	2	4	26	0.2	--	--
RFMS 8381-8-15	203	1	9	22	0.1	--	--
RFMS 8381-8-16	201	1	5	25	0.1	--	--
RFMS 8381-8-17	201	1	3	25	0.1	--	--
RFMS 8381-8-18	201	3	68	570	0.4	--	--
RFMS 8381-8-19	201	3	40	102	0.1	--	--

Certified by *Hart Bickler*



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3707 WEST 34TH AVE.,  
VANCOUVER, B.C.  
V6N 2K9

CERT. # : A8313421-001-A  
INVOICE # : I8313421  
DATE : 11-AUG-83  
P.O. # : NONE  
FLY 1

CC: JOHN ROBERTSON

Sample description	Prep code	Mo ppm	Pb ppm	Zn ppm	Ag ppm		
RFCS 8382-C1	201	3	24	155	0.1	--	--
RFCS 8382-C2	201	2	25	133	0.1	--	--
RFCS 8382-C3	201	3	22	130	0.1	--	--
RFCS 8382-C4	201	1	12	100	0.1	--	--
RFCS 8382-C5	201	2	13	93	0.2	--	--
RFCS 8382-C6	201	1	25	72	0.1	--	--
RFCS 8382-C7	201	1	14	78	0.1	--	--
RFCS 8382-C8	201	1	7	50	0.1	--	--
RFCS 8382-C9	201	1	26	85	0.1	--	--
RFCS 8382-10	201	1	16	60	0.1	--	--
RFCS 8382-11	201	1	17	65	0.1	--	--
RFMS 8381-1A	203	1	16	65	0.2	--	--
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RFMS 8381-13	201	1	7	13	0.1	--	--
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RFMS 8381-B-02	201	4	17	87	0.1	--	--
RFMS 8381-B-03	201	1	18	122	0.1	--	--
RFMS 8381-B-04	201	2	260	840	3.6	--	--
RFMS 8381-B-05	201	2	17	110	0.1	--	--
RFMS 8381-B-06	203	3	39	555	0.2	--	--
RFMS 8381-B-07	201	3	72	345	1.0	--	--
RFMS 8381-B-08	201	2	61	208	0.1	--	--

Certified by *Haut Bichler*



# CHEMEX LABS LTD.

212 BROOKSBANK AVE.  
NORTH VANCOUVER, B.C.  
CANADA V7J 2C1

TELEPHONE: (604) 984-0221  
TELEX: 043-52597

• ANALYTICAL CHEMISTS

• GEOCHEMISTS

• REGISTERED ASSAYERS

## CERTIFICATE OF ANALYSIS

O : CHRISTOPHER, PETER A. & ASSOC.

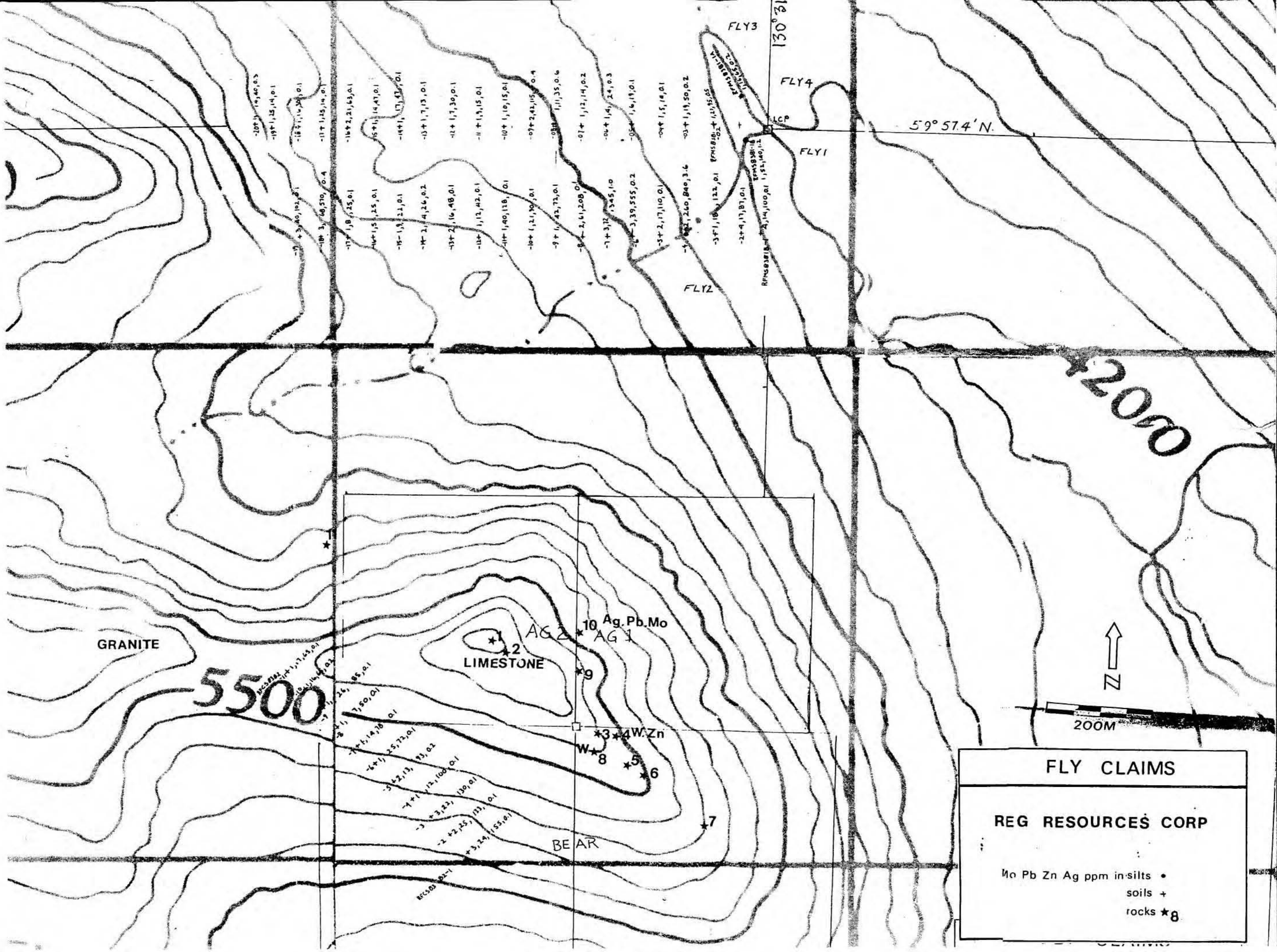
3707 WEST 34TH AVE.,  
VANCOUVER, B.C.  
V6N 2K9

CERT. # : A8313421-002-A  
INVOICE # : I8313421  
DATE : 11-AUG-83  
P.O. # : NONE  
FLY 1

CC: JOHN ROBERTSON

Sample description	Prep code	Mo ppm	Pb ppm	Zn ppm	Ag ppm		
RFMS 8381-8-09	201	1	42	72	0.1	--	--
RFMS 8381-8-10	201	1	21	90	0.1	--	--
RFMS 8381-8-11	203	1	40	128	0.1	--	--
RFMS 8381-8-12	203	1	12	42	0.1	--	--
RFMS 8381-8-13	201	2	16	48	0.1	--	--
RFMS 8381-8-14	201	2	4	26	0.2	--	--
RFMS 8381-8-15	203	1	9	22	0.1	--	--
RFMS 8381-8-16	201	1	5	25	0.1	--	--
RFMS 8381-8-17	201	1	8	25	0.1	--	--
RFMS 8381-8-18	201	3	68	570	0.4	--	--
RFMS 8381-8-19	201	3	40	102	0.1	--	--





GRANITE

5500

LIMESTONE

BEAR

FLY3

FLY4

FLY1

FLY2

59° 57.4' N

130° 31'

2000



200M

**FLY CLAIMS**

**REG RESOURCES CORP**

- Mo Pb Zn Ag ppm in silts •
- soils +
- rocks ★ 8

AG 1 Ag Pb Mo

AG 2

W 3 W 4 Zn

W 8

W 9

-20+ 1, 14, 40, 0.3

-19+ 1, 25, 14, 0.1

-18+ 1, 14, 30, 0.1

-17+ 1, 15, 14, 0.1

-16+ 2, 21, 63, 0.1

-15+ 1, 14, 47, 0.1

-14+ 1, 17, 47, 0.1

-13+ 1, 7, 13, 0.1

-12+ 1, 7, 30, 0.1

-11+ 1, 3, 15, 0.1

-10+ 1, 10, 15, 0.1

-09+ 2, 4, 15, 0.4

-08+ 1, 11, 35, 0.6

-07+ 1, 12, 14, 0.2

-06+ 1, 4, 24, 0.3

-05+ 1, 6, 18, 0.1

-04+ 1, 5, 14, 0.1

-03+ 1, 11, 50, 0.2

-02+ 1, 10, 122, 0.1

-01+ 1, 11, 35, 0.5

0+ 1, 14, 100, 0.1

1+ 1, 15, 140, 0.2

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