

LOG NO: 0420	RD. 4
ACTION: Date received report back from amendments	
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EXP. NO: 0105	RD.
ACTION:	
FILE NO:	

SUMMIT PROPERTY

YMIR. (NELSON MINING DIVISION)

NTS 82F/6E

FILED

LAT. 49° 21' N

LONG. 117° 08' W

**GEOLOGICAL BRANCH
ASSESSMENT REPORT**

18,205

OWNER/OPERATOR: NUGGET MINES LTD, 501 - 850 W. HASTINGS,
VANCOUVER, B.C., V6C 1E1.

by: J. Murray, B.Sc.,
Dec. 27th, 1988.

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Appendix I: Analytical Results
Statement of Expenses
Statement of Qualifications

II. SUMMARY.

The Summit property consists of 54 claim units in the Ymir gold camp. The area is underlain principally by argillites and phyllites of the Lower Jurassic Ymir Group, intruded in places by Jurassic Nelson Intrusive rocks.

This camp has had a significant history of gold production from sulphide enriched quartz filled fissure veins, especially where these veins transect rocks of the Nelson Intrusive, or where they intersect northeast trending fault systems, and dikes.

Previous work has demonstrated that such veins exist on the property, and are mineralized, and there is evidence of the presence of Nelson Intrusive rocks, although none has yet been seen in outcrop. Widespread weak to moderately anomalous areas have been outlined by geochemical surveys, and the limited geophysical work done to date has recorded several conductors.

The camp has experienced considerable interest in the past year with substantial work programmes being undertaken on the Wilcox, and Yankee Girl past producers, and in the immediate vicinity of the Summit property, smaller exploration programmes have been conducted on the adjacent Dumas property, and the nearby Oldtimer.

The 1988 Summit programme confirmed the presence of widespread weak anomalies, and extended these anomalies. Prospecting located one piece of float that returned high grade gold, silver, and zinc values in an area near where reconnaissance soil sampling also returned high zinc and silver values. The programme demonstrated the need for a more comprehensive programme of geochemical surveying, geological mapping, prospecting, and possibly geophysics.

III. INTRODUCTION: Cf. Figs. 1 & 2.

The Summit claim Group is comprised of 54 claim units located approximately 8 km. NE of Ymir, B.C. (18 km. SE of Nelson, B.C.), in the Nelson Mining Division. The property is easily accessible via either of two good four-wheel drive logging roads leading from the Nelson - Salmo Highway. (Hwy. 6). Access to the north side of the property is attained via the logging road up Clearwater Creek, to the south side via a logging road up Huckleberry. (Wild Horse), Creek.

The property lies on the divide between Clearwater and Huckleberry Creeks, at elevations ranging from 1200 to 1700 metres. Relief on the property is generally moderate, but can be steep in places. The property is heavily timbered with cedar, fir, and larch, and has a thick undergrowth.

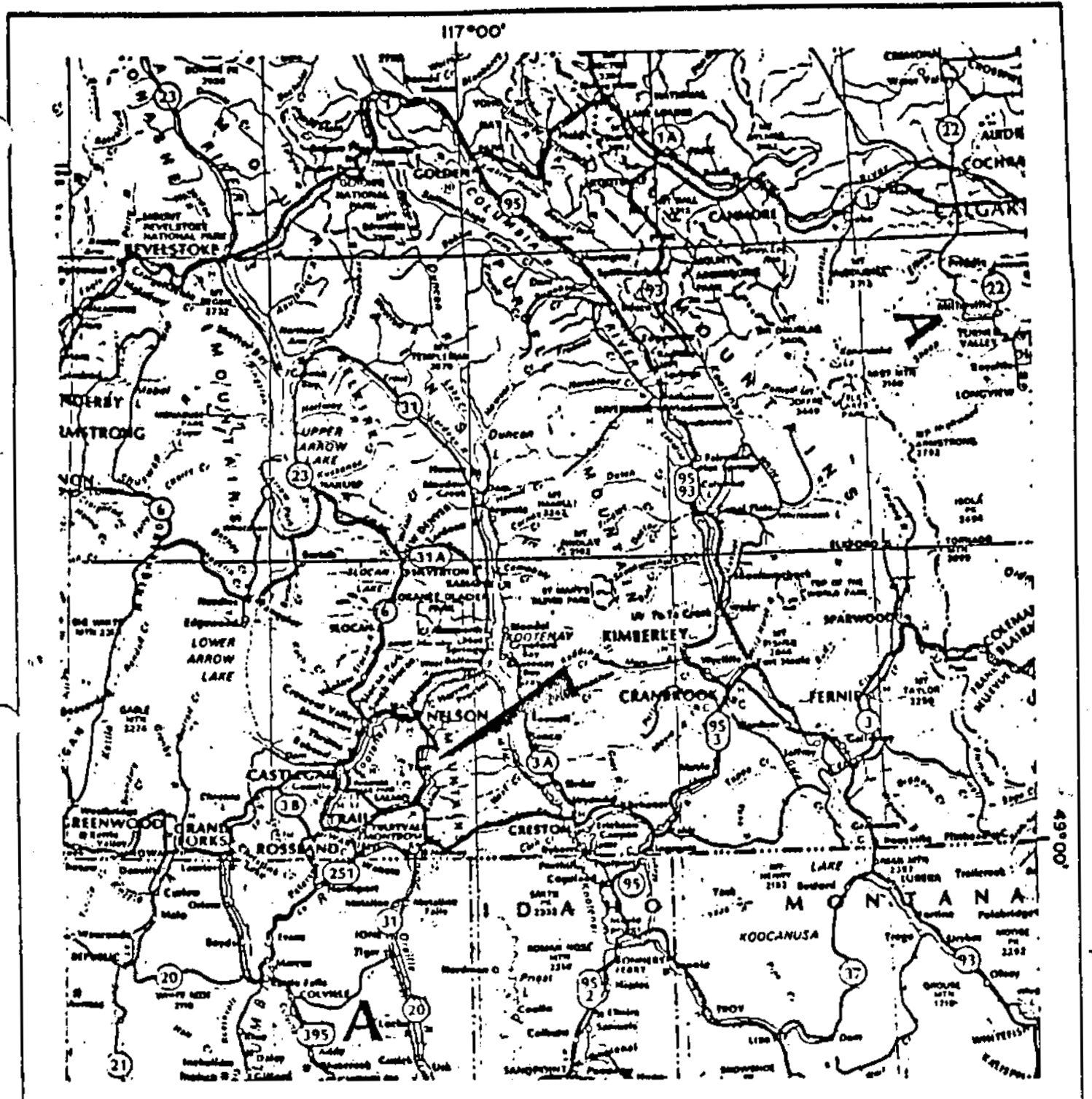
The Ymir area has a significant history of gold production. The Yankee Girl, Dundee, and Ymir mines produced over 700,000 tons averaging in excess of 0.3 oz/ton gold, with typical vein widths of 0.6 - 1.3 metres. In the Yankee Girl one ore shoot was continuous over a horizontal range of 125 metres, and a vertical range of 330 metres.

At least two veins are known to occur on the Summit property:

- a) the Summit vein has a width of 3-4 metres, and has been traced over a strike length of some 700 metres. It is developed by some 100 metres of underground workings, (currently inaccessible), in two adits, a shaft, and several open cuts, and is known to contain minor gold, silver, lead and zinc values.
- b) the Elise vein is 1 metre wide, and has been explored by some 150 metres of underground workings, (also inaccessible), in one adit, a shaft, and some open cuts. Low grade gold and silver values have been demonstrated in the past.

Allen, (1986), refers to two vein - shears to the east of the Ema claim, and the limited geochemical data available to date strongly suggest other veins may be located.

Between September 25th and September 29th of 1988 a crew under the supervision of the author ran some in-fill lines within the existing geochemical grid, extended the grid to the North-East, and undertook some additional reconnaissance soil sampling along the road access to the Summit vein. This report outlines the 1988 exploration programme and results.



J. MURRAY, B. SC., CONS. GEOL.

for NUGGET MINES LTD.

LOCATION :

SUMMIT GROUP.

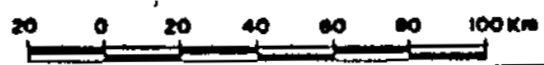


FIG. 1



NUGGET MINES LTD.
LOCATION MAP
 SUMMIT PROPERTY

82 F/6

Nelson Mining Division - British Columbia

IV. CLAIM DATA:

Cf. Fig. 3

The Summit Group is comprised of the following claims totalling 54 units:

TABLE I.

	LOT NO.	RECORD	TYPE	ANNIV.
Editor	5861	719	Rev. CG.	Aug. 8
Summit	4229	720	Rev. CG.	Aug. 8
Eagle 1		1273	Two-post	Oct. 1
Eagle 2		1274	Two-post	Oct. 1
Eagle 3		1275	Two-post	Oct. 1
Moss 1		1859	Two-post	Aug. 12
Moss 2		1860	Two-post	Aug. 12
Tim 1		3166	Two-post	Jun. 6
Tim 2		3167	Two-post	Jun. 6
Lytton	2194	3203	Rev. CG.	Jun. 6
Ema	2913	3204	Rev. CG.	Jun. 6
Elise	1310	3205	Rev. CG.	Jun. 6
Moss 6		3509	Two-post	Sept. 9
Moss 7		3510	Two-post	Sept. 9
Birch, (20 units)		3564	Mod. Grid	Nov. 4
Salmon Star	3942	3695	Rev. CG.	Mar. 30
Goldhill, (16 units)		3870	Mod. Grid	Sept. 12
Raven 1		3871	Two-post	Sept. 12
Raven 2		3872	Two-post	Sept. 12

.....

V. HISTORY:

The Ymir district has had a successful mining history, with several significant producers such as the Yankee Girl, Wilcox, Dundee, and Ymir mines. The Ymir Creek area first attracted the attention of the early placer miners in 1885, and became accessible with the completion of the Nelson and Fort Shephard Railway in 1893. First claims in the area were staked in 1895, and the original Summit claim was located in July, 1896, (only to be forfeited to the Crown in Nov. 1907).

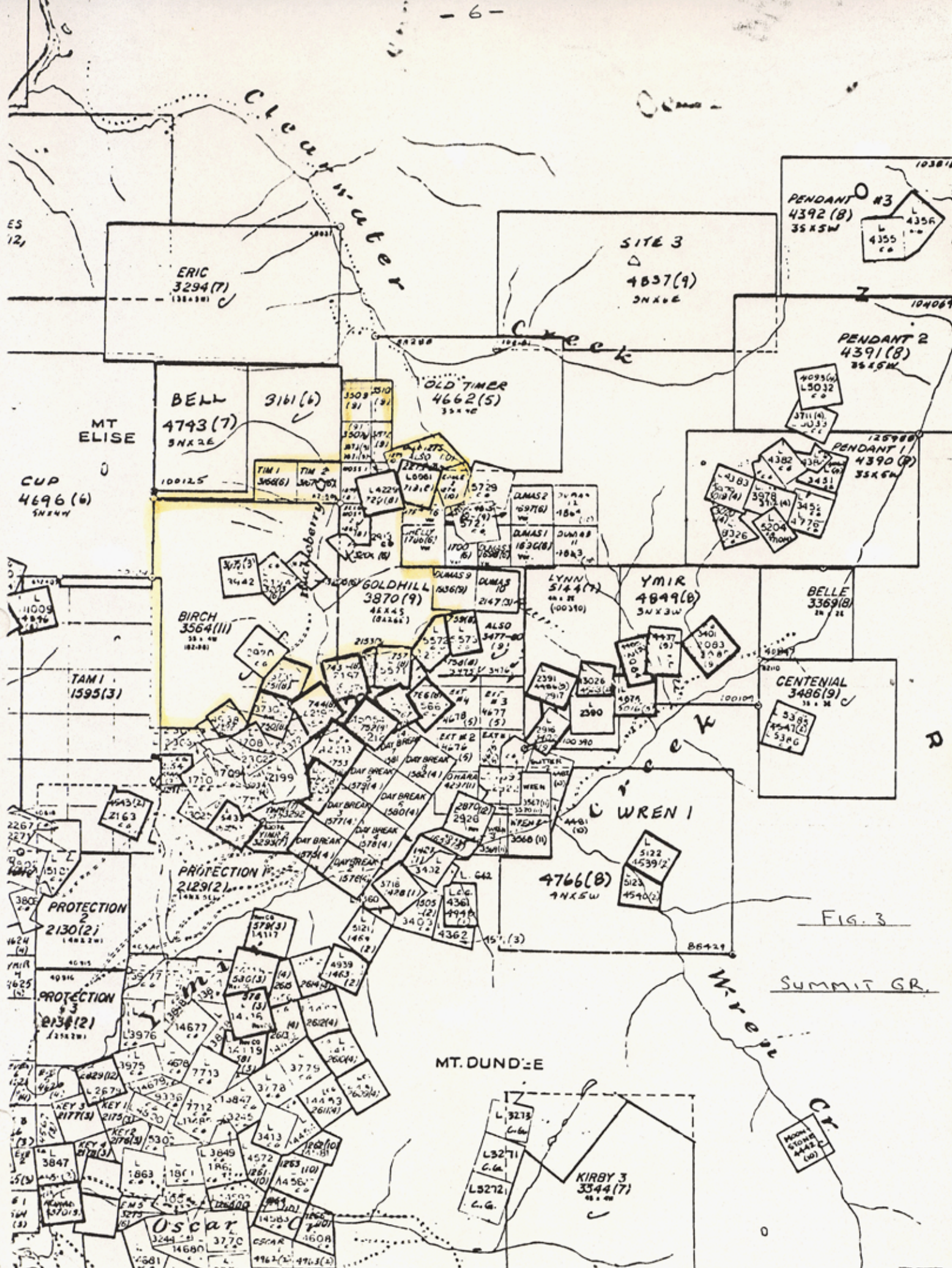


FIG. 3

Summit Gr.

MT. DUNDEE

MOONSTONE 4442 (10)

The 1928 Annual Report of the B.C. Ministry of Mines reports assays of 0.29 oz/ton gold, and 1.5 oz/ton silver from the Pathfinder dump, and assays of 2.84 oz/ton gold, and 3.17 oz/ton silver from a 3 foot wide vein in a nearby creek. The Pathfinder lies in the North-East corner of the Summit Group. Further to the North-east lies the Oldtimer property from which G. Langset made one ore shipment to the Trail smelter in 1980, returning 0.116 oz/ton gold, and 2.5 oz/ton silver.

In the period 1984 to 1986 limited reconnaissance soil sampling was conducted in the vicinity of the underground workings on the Summit and Elise veins. In 1986 G. Allen and D. Endersby established a more extensive geochemical grid in the vicinity of the Summit workings, which indicated weak to moderately anomalous values in zinc, lead, silver, and gold associated with vein projections.

VI. GEOLOGY.

A. REGIONAL:

The Ymir camp is situated on the western flank of the Kootenay Arc, which is a curving structural belt of highly deformed early Paleozoic sediments flanked by the Mesozoic Nelson Plutonic belt on the west, and underlying late PreCambrian Belt Supergroup quartzites and argillites to the east, extending from the Revelstoke area south into the United States. This miogeosynclinal suite is locally intruded by acidic phases of the Nelson Pluton.

The Ymir area is underlain by Permian to Lower Jurassic argillites, slates, and phyllites of the Ymir Group, intruded by dikes and tongues of the Upper Jurassic/Lower Cretaceous Nelson Intrusive. The Ymir Group rocks trend north, to north-east, and to north-west, and are complexly folded, metamorphosed argillites, siltstones, grits, impure limestones, minor chert, feldspathic wacke, with limy siltstone near the top. (Andrew & Hoy, 1988).

Ore deposits in the Ymir camp occur in sulphide enriched, quartz filled, fissure veins. Ore shoots are commonly associated with changes in host rock types, and/or with intersections of quartz veins with faults or dikes. The most productive ore shoots to date have been found at, or adjacent to, intrusive contacts.

In his GSC Memoir 191, "Lode Gold Deposits of the Ymir-Nelson Map Area", Cockfield noted that the most productive veins have been those with strikes varying from N60°E to E, with 50-70° NW dips, while veins in fault structures striking N30-50°E have not been productive. In general, veins which parallel the strike of the formations are of lesser importance.

Cockfield felt that the NE trending structures were fault systems possibly related to regional movements, and that mineral values vary more with the type of fracture they occupy than with the strike. He noted that ore shoots are commonly found where veins intersect granite, and may have one or both walls of intrusive material. In places, the productive part of some veins are near vein intersections with NE trending faults. Commonly, the ore shoots plunge to the East toward the main intrusive mass.

Meyer, 1985, states that the most important ore shoots in the camp are found in NE-SW, or E-W trending quartz veins, generally cross-cutting the sediments, and having steep northwesterly, (or northerly), dips. They are variably mineralized with auriferous pyrite, galena, sphalerite, and chalcopyrite.

Drysdale, (1917), described L and T shaped mineralized zones up to 5 metres in width occurring where quartz veins abut sediment/granitic contacts. Such occurrences could have significant tonnage potential, and constitute a primary target of exploration.

B. DETAIL:

The Summit property is underlain by Ymir Group phyllites and argillites with north-easterly strikes, (approx. N30°W), and steep, (70-85°), north-westerly dips, (Cf. O.F. 1988-1, Andrews & Hoy). This attitude is also seen in the argillites on the branch road near Line 8.5 + 400E. The argillites here are associated with some thin white carbonate stringers, and seams.

Overburden is extensive in the claim area. Granitic "float" is evident, but not seen in outcrop. However, government reports do refer to granitic dikes outcropping to the northeast of the Summit workings. (BCDM MMAR 1928, pp.334)

The Summit vein is a fissure type quartz vein, up to 4 metres in width, which diagonally transects the argillite host rocks, and has been traced for a minimum of 700 metres. It trends 050 - 067°, and dips 70°NW. Its attitude is similar to that of the Pathfinder and Oldtimer veins to the northeast, and it has been speculated in the past that they are all part of the same vein system.

Mineralization occurs in a milky white quartz, (with scattered vugs lined with quartz crystals), with minor pyrite and manganese oxides in thin seams parallel to the vein walls, and as disseminations in wallrocks, and wallrock inclusions. Previous workers have described gold values in the known Summit workings as negligible, while encouraging exploration for intersections of the vein with granitic intrusives.

The Elise vein is described as being not as strong as the Summit vein, but better mineralized. At least two other quartz veins are known to exist to the east of the Ema claim. (For a detailed property description see Allen & Endersby, 1985).

VII. 1988 PROGRAMME:

The 1988 programme was a continuation of the geochemical begun in previous years. A total of 8 man-days was expended on the property between September 25th - 29th.

Two lines of in-fill sampling were completed in the vicinity of the strongest anomaly, and the grid was extended 200 metres to the northeast in an attempt to extend the anomaly. In sum 3200 metres of new grid line was established, and a total of 133 soil samples were collected at 25 metre intervals along these lines.

Soil samples taken were of glacial till material, well below the "A" horizon, and were placed in standard Kraft paper bags, and shipped to Rossbacher Laboratory Ltd. in Burnaby, B.C., where they were analysed for silver, gold, lead, and zinc content. Cf. Fig. 4.

{Crew members running Line 9.5 encountered a significant unexplained shift in bearing in the vicinity of the shaft: they began their line at 9+00 East halfway between Lines 9 & 10, and checked their position when they passed the shaft, yet encountered Line 9 at 1+25 East.}

In addition, 41 soil samples were taken at 25 metre intervals along the road leading to the Summit workings as a reconnaissance measure. These samples received similar handling. Cf. Fig. 5, Appendix 1.

A minor amount of prospecting was also undertaken, which located one well mineralized piece of float which assayed 3.88% Zn, 1.18% Pb, and 1.14 oz/ton Ag, (sample no. 31164 - Nugget Mines), and 8.13% Zn, 2.5% Pb, 2.59 oz/ton Ag, and 0.61 oz/ton Au, (sample no. 3046 - Murray). (A later gold analysis of 31164 by Rossbacher is reported by Nugget Mine office staff to have returned 0.379 oz/ton gold.) This float was located by D. Endersby approximately 100 feet east of the intersection of the Summit road property with the "flume" road, but no effort was made to trace the source.

VII. CONCLUSIONS:

For purposes of consistency of plotting the same threshold values as used by Allen, 1986, are considered to denote anomalous values:

Zn = or > 150 ppm
Pb = or > 22 ppm
Ag = or > 1 ppm
Au = or > 20 ppb

The 1988 programme confirms the presence of elevated zinc, lead, and silver values in the soils over a wide portion of the survey area. Values, as in previous surveys, are weakly to moderately anomalous, but more definition is required. The grid extension to the Northeast confirms that the elevated values continue in that direction. Also of interest is the occurrence of elevated zinc values in the Southeastern portion of the grid, especially on Lines 7 and 6.

0 + 00 on the road traverse is the end of the road next to the "shaft" on the Summit vein. At 0 + 75m, and at 1 + 00m very high gold values, (50 ppb, 80 ppb), were noted, as well as high silver values, (3.6 ppm, 1.6 ppm), and elevated zinc, (286 ppm, 350 ppm), values.

A very high zinc value, (910 ppm), was returned from a sample at 9 + 50 on the road, near the intersection with the "flume" road. This sample also had elevated silver, (2.0 ppm), while a sample at 10 + 00 returned 356 ppm zinc, and 4.4 ppm silver. In general the road has anomalous values from approximately 7 + 75 to the "flume" road intersection. It is of interest that the high grade float sample was found not far distant from this area. Moreover, dioritic, (?), material was noted near 7 + 50.

The high gold and zinc values returned by the float sample, and by geochemical samples at 0 + 75, and 1 + 00 on the road suggest gold association may be stronger with sphalerite than with galena.

It seems likely that the Summit vein is but one part of a major vein system that includes the Pathfinder, Elise, and Oldtimer veins.

IX. RECOMMENDATIONS:

The existing geochemical grid should be expanded and extended in several directions:

- to the northeast to the property boundary, to cover the possible extension of the Pathfinder vein, and into the area in which granitic intrusive rocks have been noted by government geologists.
- to the southeast where high values are appearing at the ends of existing lines. It is possible that the Elise vein may not be an extension of the Summit vein, and that it's trace will be found to the east. Note also that veins are recorded to the east of the Ema claim.
- to the southwest to cover the Elise vein, and values noted in an old survey lying between the Summit and Elise veins.
- to the northwest to cover a geophysical conductor outlined in previous work.

More detailed geochemical sampling is required to better define anomalous zones. In particular, more detailed sampling is warranted in the vicinity of the Summit road and "flume" road junction, where the road soil sample traverse returned good results in proximity to where high grade float was found. It may be significant, too, that intrusive material was noted nearby.

To date very little geologic mapping has been done. Mapping is hampered by a lack of outcrop; nevertheless, a geologic map should be prepared, and the property area should be thoroughly prospected for more veins, and for evidence of granitic intrusive material.

A limited amount of geophysical work has been done in the past; conductors found in the 1986 programme should be investigated, especially those in the vicinity of 6 to 7 + 50E on Lines 12 & 13 where there are good geochemical results, and a 100 ppb gold sample from a pit. (This is another area where detailed soil sampling may prove useful.) More geophysical testing should be done to establish whether or not this will be a useful exploration tool in this circumstance.

An effort should be made to locate the source of the high grade float. This should be a high priority. Also, the high gold values on the road between 0 + 75 and 1 + 00 should be investigated.

A survey should be conducted to establish claim lines, and to tie in grid lines. Roads not already picked up should also be surveyed, and plotted.

X. REFERENCES:

1. Drysdale, C.W., 1917, Mem. 94, "Ymir Mining Camp".
2. Allen D.G./Endersby S.A., 1985. "Preliminary Geochemical Report on the Summit Property".
3. Andrew K./Hoy T., 1988, OF 1988-1 "Preliminary Geology and Mineral Occurences in the Rosslana Group between Nelson and Ymir, SE B.C."
4. von Einsiedel C., 1987, "Summary Report and Proposed Exploration Programme on the Oldtimer Claim Group".
5. Cockfield, W.E., Mem. 191 "Lode Gold Deposits of the Ymir-Nelson Map Area".
6. Little, H.W., 1960, GSC Map 1090A "Geology of Nelson West Half".
7. Little, H.W., 1964, GSC Map 1144A "Ymir".
8. Fenwick-Wilson, B.A., 1984, "Geological - Geochemical Report on the Tjader Gold Property", (Oldtimer), A.R. 12593.
9. Meyer, B.H., 1985, "Geochemical Report on the Fourth of July Mineral Property", A.R. 14555.
10. Wells, R.A., 1984, "Ariz No. 1 Mineral Claim", A.R. 12726.
11. Allen, G.M., "Geochemical Survey Report on the Summit Report".

ANALYTICAL RESULTS

ROSSBACHER LABORATORY LTD.

2225 S. Springer Ave., Burna
British Columbia, Can. V5B 3
Ph: (604)299-6910 Fax: 299-62

CERTIFICATE OF ANALYSIS

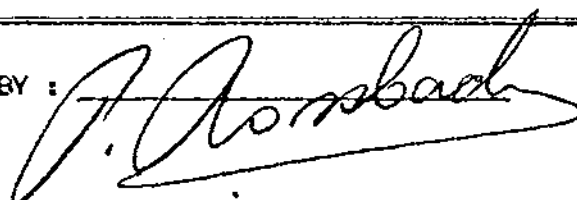
TO : NUGGET MINES LTD.
501-850 W. HASTINGS ST
VANCOUVER, B.C.

CERTIFICATE # : 88311
INVOICE # : 90052
DATE ENTERED : 88-10-31
FILE NAME : NUG88331.G
PAGE # : 1

PROJECT : SUMMIT
TYPE OF ANALYSIS : GEOCHEMICAL

PRE FIX	SAMPLE NAME	PPM Ag	PPM Zn	PPM Pb	PPB Au
S	0x0	0.8	142	34	20
S	1x0	1.6	350	93	80
S	2x0	2.0	238	14	5
S	3x0	0.8	96	12	5
S	4x0	1.4	144	14	10
S	5x0	1.2	122	18	5
S	6x0	0.8	114	12	5
S	7x0	0.8	240	10	5
S	8x0	0.6	316	10	5
S	9x0	2.6	590	12	5
S	10x0	4.4	356	30	5
S	0x25	0.8	228	20	5
S	1x25	1.0	164	14	5
S	2x25	1.6	184	12	5
S	3x25	1.0	106	8	5
S	4x25	1.2	116	12	5
S	5x25	1.8	132	12	5
S	6x25	1.0	204	12	5
S	7x25	0.8	264	14	5
S	8x25	0.8	302	20	5
S	9x25	1.2	246	14	5
S	0x50	8.0	458	14	10
S	1x50	1.6	134	8	5
S	2x50	0.6	110	26	5
S	3x50	1.0	114	6	5
S	4x50	1.4	144	14	10
S	5x50	3.6	142	14	5
S	6x50	1.2	138	14	5
S	7x50	1.0	214	8	5
S	8x50	1.2	290	16	5
S	9x50	2.0	910	38	5
S	0x75	3.6	286	26	50
S	1x75	0.6	140	16	5
S	2x75	1.0	130	18	5
S	3x75	1.8	120	8	5
S	4x75	1.8	196	12	5
S	5x75	0.6	102	14	5
S	6x75	0.4	212	12	5
S	7x75	0.6	368	16	5

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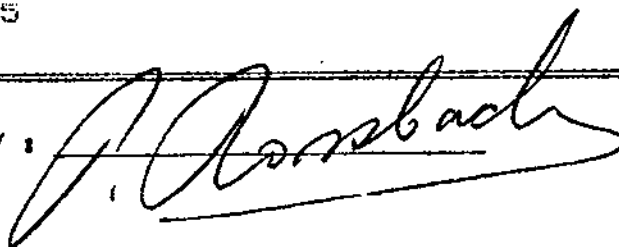
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TO : NUGGET MINES LTD.
 501-850 W. HASTINGS ST
 VANCOUVER, B.C.
 PROJECT : SUMMIT
 TYPE OF ANALYSIS : GEOCHEMICAL

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 PAGE # : 2

FRE FIX	SAMPLE NAME	FFM Ag	FFM Zn	FFM Pb	FPB Au
S	8x75	1.0	228	18	5
S	9x75	0.6	380	18	5
S	L 600 000E	0.4	72	34	5
S	L 600 025E	0.2	46	44	5
S	L 600 050E	0.4	96	300	5
S	L 600 075E	0.8	134	22	5
S	L 600 100E	1.2	136	22	5
S	L 600 125E	0.8	140	30	5
S	L 600 150E	1.0	122	22	5
S	L 600 175E	0.4	146	30	5
S	L 600 200E	0.4	106	34	5
S	L 600 225E	0.2	106	34	5
S	L 600 250E	1.0	154	18	5
S	L 600 275E	1.2	70	70	5
S	L 600 300E	0.6	100	12	5
S	L 600 325E	0.6	116	20	5
S	L 600 350E	1.4	118	22	5
S	L 600 375E	1.0	140	14	5
S	L 600 400E	1.6	216	16	5
S	L 600 425E	2.6	268	18	5
S	L 600 450E	2.2	164	26	5
S	L 600 475E	0.8	120	14	5
S	L 600 500E	0.8	96	10	5
S	L 600 525E	1.0	154	14	5
S	L 600 550E	0.6	106	12	5
S	L 600 575E	0.6	152	14	5
S	L 600 600E	0.6	246	14	5
S	L 600 625E	1.0	132	24	5
S	L 600 650E	0.6	94	8	5
S	L 600 675E	0.4	124	12	5
S	L 600 700E	1.0	148	10	5
S	L 600 725E	0.8	182	20	5
S	L 600 750E	0.6	126	8	5
S	L 600 775E	0.8	58	10	5
S	L 600 800E	0.6	62	8	5
S	L 600 825E	0.8	90	14	5
S	L 600 850E	0.8	128	6	5
S	L 600 875E	0.4	280	10	5
S	L 600 900E	0.4	448	24	5

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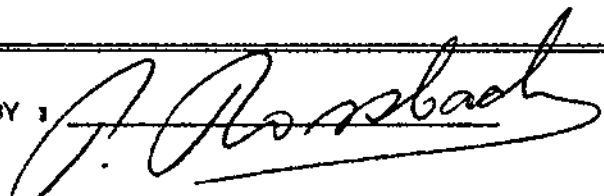
TO : NUGGET MINES LTD.
501-850 W. HASTINGS ST
VANCOUVER, B.C.

PROJECT : SUMMIT
TYPE OF ANALYSIS : BIOCHEMICAL

CERTIFICATE # : 88311
INVOICE # : 90052
DATE ENTERED : 88-10-31
FILE NAME : NUG88331.G
PAGE # : 3

RE IX	SAMPLE NAME	FFM Ag	FFM Zn	FFM Pb	FFB Au
S	L 700 000E	0.4	96	14	5
S	L 700 025E	0.2	86	8	5
S	L 700 050E	0.2	40	8	5
S	L 700 075E	0.6	78	10	5
S	L 700 100E	0.4	120	16	5
S	L 700 125E	0.8	100	22	5
S	L 700 150E	0.6	124	214	5
S	L 700 175E	0.8	160	14	5
S	L 700 200E	0.8	172	16	5
S	L 700 225E	0.6	148	28	5
S	L 700 250E	0.6	102	18	5
	L 700 275E	1.4	132	14	5
	L 700 300E	0.8	128	16	5
S	L 700 325E	0.4	112	20	5
S	L 700 350E	0.4	96	22	5
S	L 700 375E	0.6	94	10	5
S	L 700 400E	0.8	120	8	5
S	L 700 425E	2.2	168	24	5
S	L 700 450E	1.0	238	14	5
S	L 700 475E	1.4	140	14	5
S	L 700 500E	2.4	114	16	5
S	L 700 525E	1.4	118	14	5
S	L 700 550E	1.0	158	12	5
S	L 700 575E	0.8	214	14	5
S	L 700 600E	0.4	284	12	5
S	L 700 625E	0.2	210	12	5
S	L 700 650E	0.6	138	18	5
S	L 700 675E	0.6	124	14	5
S	L 700 700E	0.6	136	12	5
S	L 700 725E	0.6	132	14	5
S	L 700 750E	0.8	100	14	5
S	L 700 775E	0.8	118	14	5
S	L 700 800E	0.8	90	14	5
S	L 700 825E	0.8	88	10	5
S	L 700 850E	1.6	148	14	5
S	L 700 875E	0.4	316	20	5
S	L 700 900E	0.8	442	16	5
	L 850 000E	0.4	78	40	5
S	L 850 025E	0.6	144	18	5

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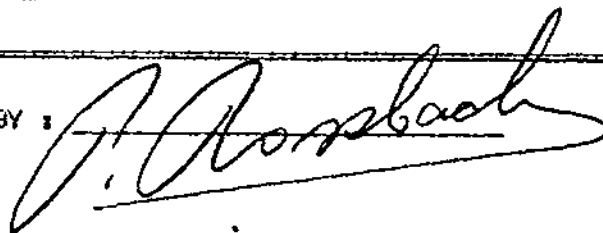
CERTIFICATE OF ANALYSIS

TO : NUGGET MINES LTD.
501-850 W. HASTINGS ST
VANCOUVER, B.C.
PROJECT : SUMMIT
TYPE OF ANALYSIS : GEOCHEMICAL

CERTIFICATE # : 88311
INVOICE # : 90052
DATE ENTERED : 88-10-31
FILE NAME : NUG88331.6
PAGE # : 4

PRE FIX	SAMPLE NAME	PPM Ag	PPM Zn	PPM Pb	PPB Au
S	L 850 050E	0.8	156	32	5
S	L 850 075E	0.6	110	18	5
S	L 850 100E	0.2	142	20	5
S	L 850 125E	0.4	106	20	5
S	L 850 150E	0.4	136	24	5
S	L 850 175E	0.6	132	24	5
S	L 850 200E	0.8	158	12	5
S	L 850 225E	1.8	120	14	5
S	L 850 250E	1.6	90	10	5
S	L 850 275E	0.4	118	16	5
S	L 850 300E	0.6	118	14	5
S	L 850 325E	0.4	106	12	10
S	L 850 350E	0.8	106	10	10
S	L 850 375E	0.8	98	18	5
S	L 850 400E	1.0	178	12	5
S	L 850 425E	1.2	284	20	5
S	L 850 450E	1.4	162	12	5
S	L 850 475E	1.8	152	14	5
S	L 850 500E	1.0	164	12	5
S	L 850 525E	1.2	124	12	5
S	L 850 550E	0.8	84	12	5
S	L 850 575E	1.2	96	14	5
S	L 850 600E	0.6	104	10	5
S	L 850 625E	0.8	108	20	5
S	L 850 650E	0.8	88	14	5
S	L 850 675E	0.8	92	12	5
S	L 850 700E	0.6	92	12	20
S	L 850 725E	0.6	78	14	5
S	L 850 750E	1.0	76	14	5
S	L 850 775E	1.0	86	14	5
S	L 850 800E	0.4	80	8	5
S	L 850 825E	0.6	76	14	5
S	L 850 850E	1.4	66	12	5
S	L 850 875E	0.8	122	12	10
S	L 850 900E	0.8	138	14	5
S	L 950 125E	0.6	132	18	5
S	L 950 150E	1.0	100	18	5
S	L 950 175E	0.4	134	20	40
S	L 950 200E	0.2	174	20	5

CERTIFIED BY :



ROSSBACHER LABORATORY LTD.

2225 S. Springer Ave., Burn
British Columbia, Can. V5B
Ph: (604)299-6910 Fax: 299-6

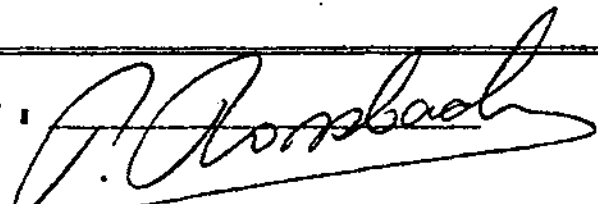
CERTIFICATE OF ANALYSIS

TO : NUGGET MINES LTD.
501-850 W. HASTINGS ST
VANCOUVER, B.C.
PROJECT : SUMMIT
TYPE OF ANALYSIS : GEOCHEMICAL

CERTIFICATE # : 88311
INVOICE # : 90052
DATE ENTERED : 88-10-31
FILE NAME : NUG88331.G
PAGE # : 5

PRE FIX	SAMPLE NAME	PPM Ag	PPM Zn	PPM Pb	PPB Au
S	L 950 225E	0.2	186	20	5
S	L 950 250E	0.4	144	18	5
S	L 950 275E	0.6	98	24	5
S	L 950 300E	0.6	132	14	5
S	L 950 325E	1.0	128	14	5
S	L 950 350E	1.0	96	12	5
S	L 950 375E	1.0	128	12	5
S	L 950 400E	1.2	276	34	5
S	L 950 425E	0.8	180	18	5
S	L 950 450E	0.8	126	24	5
S	L 950 475E	2.4	152	18	20
S	L 950 500E	0.8	132	16	5
S	L 950 525E	1.0	232	14	5
S	L 950 550E	0.4	252	14	5
S	L 950 575E	1.0	236	22	5
S	L 950 600E	0.8	192	22	5
S	L 950 625E	0.4	230	10	5
S	L 950 650E	0.6	230	10	5
S	L 950 675E	0.4	194	16	5
S	L 950 700E	0.6	226	12	5
S	L 950 725E	0.8	186	12	5
S	L 950 750E	1.2	188	14	5
S	L 950 775E	0.8	104	12	5
S	L 950 800E	1.2	92	12	5
S	L 950 825E	0.6	64	14	5
S	L 950 850E	1.0	98	18	5
S	L 950 875E	0.2	108	14	5
S	L 950 900E	0.8	94	12	5

CERTIFIED BY :



" Summit "

NUGGET MINES LTD.
 BOX 368 AIRPORT RD.
 SALMO, B.C. V0G 1Z0

GEO CHEM SAMPLES SENT TO ROSSBACHER LABS 10/24/88

SAMPLE	DESCRIPTION	AU	AG	Pb	ZN
h 850	3+ 25 E				
h 850	3+ 50 E				
h 850	3+ 75 E				
h 850	4+ 00 E				
h 850	4+ 25 E				
h 850	4+ 50 E				
h 850	4+ 75 E				
h 850	5+ 00 E				
h 850	5+ 25 E				
h 850	5+ 50 E				
h 850	5+ 75 E				
h 850	6+ 00 E				
h 850	6+ 25 E				
h 850	6+ 50 E				
h 850	6+ 75 E				
h 850	7+ 00 E				
h 850	7+ 25 E				
h 850	7+ 50 E				
h 850	7+ 75 E				
h 850	8+ 00 E				
h 850	8+ 25 E				
h 850	8+ 50 E				
h 850	8+ 75 E				
h 850	9+ 00 E				
0 x 0	END Rd SHAFT	20	0.8	34	192
0 x 25		5	0.6	20	225
? 0 x 50		10	8.0	14	458
0 x 75		50 !	3.6	26	286
1 x 0		80 !	1.6	98	350

" Summit "

NUGGET MINES LTD.
 BOX 368 AIRPORT RD.
 SALMO, B.C. V0G 1Z0

GEO CHEM SAMPLES SENT TO ROSSBACHER LABS 10/24/88

SAMPLE DESCRIPTION	Au	Ag	Pb	Zn
1 x 25	1.0	1.0	14	164
1 x 50	5	1.6	8	134
1 x 75	5	0.6	16	140
2 x 00	5	2.0	14	238
2 x 25	5	1.6	12	184
2 x 50	5	0.6	26	110
2 x 75	5	1.0	18	130
3 x 00	5	0.8	12	96
3 x 25	5	1.0	8	106
3 x 50	5	1.0	6	114
3 x 75	5	1.8	8	120
4 x 00	10	1.7	14	144
4 x 25	5	1.2	12	116
4 x 50	10	1.4	14	144
4 x 75	5	1.8	12	196
5 x 00	5	1.2	18	122
5 x 25	5	1.8	12	132
5 x 50	5	3.6	14	142
5 x 75	5	0.6	14	102
6 x 00	5	0.8	12	114
6 x 25	5	1.0	12	204
6 x 50	5	1.2	14	138
6 x 75	5	0.7	12	212
7 x 00	5	0.8	10	240
7 x 25	5	0.8	14	264
7 x 50	5	1.0	8	214
7 x 75	5	0.6	16	368
8 x 00	5	0.6	10	316
8 x 25	5	0.8	20	302

X ROAD GOING DOWNHILL

CROSS POND

CROSS POND

CROSS POND

ROSSBACHER LABORATORY LTD.

CERTIFICATE OF ANALYSIS

2225 S. Springer Ave., Burnaby,
British Columbia, Can. V5B 3M1
Ph: (604)299-6916 Fax: 299-6252

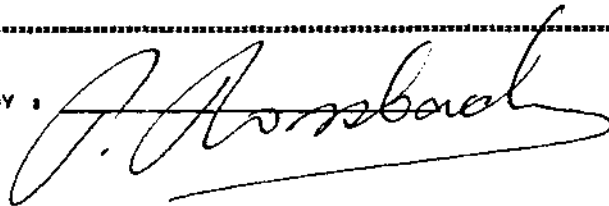
TO : NUGGET MINES LTD.
501-850 W. HASTINGS ST
VANCOUVER, B.C.

CERTIFICATE # : 88340
INVOICE # : 90084
DATE ENTERED : 88-11-15
FILE NAME : NUG88340.I
PAGE # : 1

PROJECT :
TYPE OF ANALYSIS : ICP

PRE FIX	SAMPLE NAME	PPM NO	PPM CU	PPM PB	PPM ZN	PPM MG	PPM NI	PPM CO	PPM Mn	PPM FE	PPM AS	PPM U	PPM AL	PPM HG	PPM SR	PPM CD	PPM SD	PPM BI	PPM V	PPM CA	PPM P	PPM LA	PPM CR	PPM MO	PPM BA	PPM TI	PPM B	PPM AL	PPM MN	PPM ST	PPM W	PPM DE
	31165	1	22	33	202	0.8	13	9	917	3.53	10	5	ND	ND	16	4	2	2	7	0.39	0.30	36	17	0.04	92	0.01	5	0.42	0.01	0.02	2	1
	31166	38	86	41	298	1.4	89	4	451	3.38	8	5	ND	ND	204	5	2	5	231	1.33	0.06	5	119	0.86	60	0.11	5	2.19	0.21	0.01	3	5

CERTIFIED BY :



ROSSBACHER LABORATORY LTD.

2225 S. Springer Ave., Burnaby
British Columbia, Can. V5B 3M1
Ph: (604)299-6910 Fax: 299-6252

CERTIFICATE OF ANALYSIS

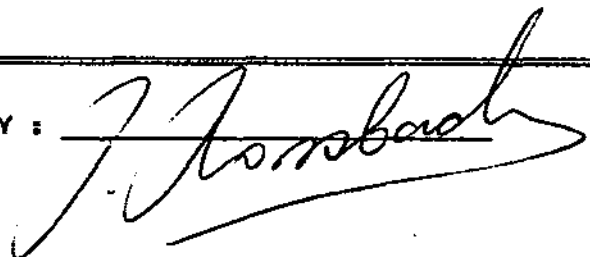
TO : NUGGET MINES LTD.
501-850 W. HASTINGS ST
VANCOUVER, B.C.

CERTIFICATE # : 88340
INVOICE # : 90084
DATE ENTERED : 88-11-09
FILE NAME : NUG88340.A
PAGE # : 1

PROJECT :
TYPE OF ANALYSIS : ASSAY

PRE FIX	SAMPLE NAME	oz/t Ag	% Pb	% Zn	Au
A	31164	1.14	1.18	3.88	.379. (later assay)

CERTIFIED BY :



STATEMENT OF EXPENSES

STATEMENT OF EXPENSES

Labour	\$ 900.00
Transportation	160.00
Assays	1656.00
Geologist	250.00
Report	750.00
Overhead	371.00
	<hr/>
TOTAL	\$ 4087.00

STATEMENT OF QUALIFICATIONS

STATEMENT OF QUALIFICATIONS.

J. MURRAY,

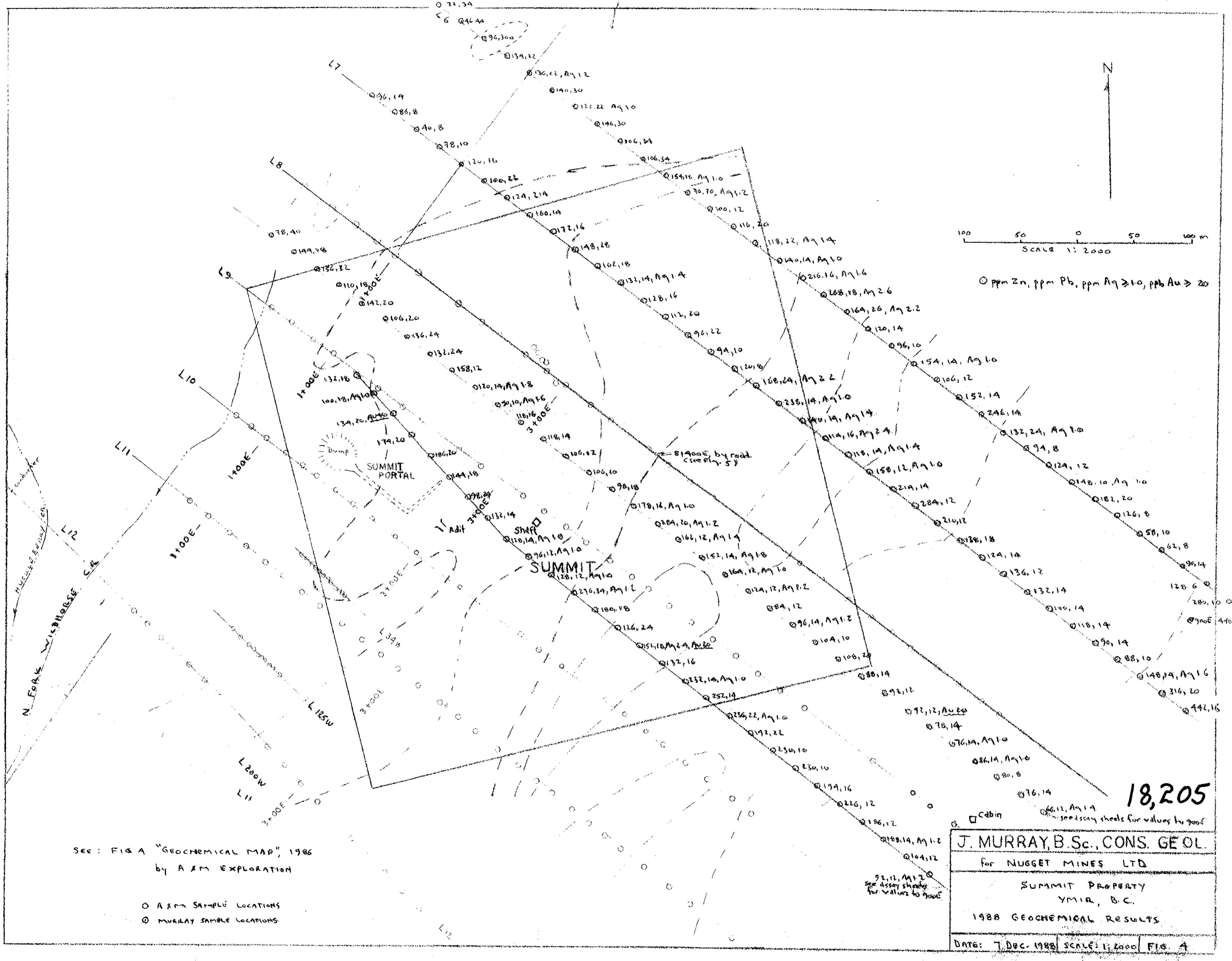
519 W. Innes,
Nelson, B.C.,
V1L 3J2.

1. I am a graduate Mining Technician of Haileybury School of Mines.
2. I am a graduate B.Sc.(Geology), University of Manitoba, 1974.
3. I practice as a geologist at the above address.
4. I have practiced as a geologist continuously since 1974, having worked in Manitoba, Saskatchewan, Ontario, and British Columbia for a number of large and small companies, including INCO Metals and LAC Minerals.
5. I have based this report on a review of existing data on this, and on neighbouring properties, and upon personal supervision of the programme.
6. I have no interests in any of the properties described, nor in any within 10 kilometres of the property.
7. My sole remuneration is the professional fee charged for this report.
8. I have not, (nor do I expect to have), any interest in the company.
9. I hereby consent to the use of this report, in its entirety, by Nugget Mines Ltd. in a prospectus, SMF, or Qualifying report. Written permission must be obtained before release of any quotation or summary.



J. Murray.

date: 27 Dec., 1988.



100 50 0 50 100 m
SCALE 1:2000

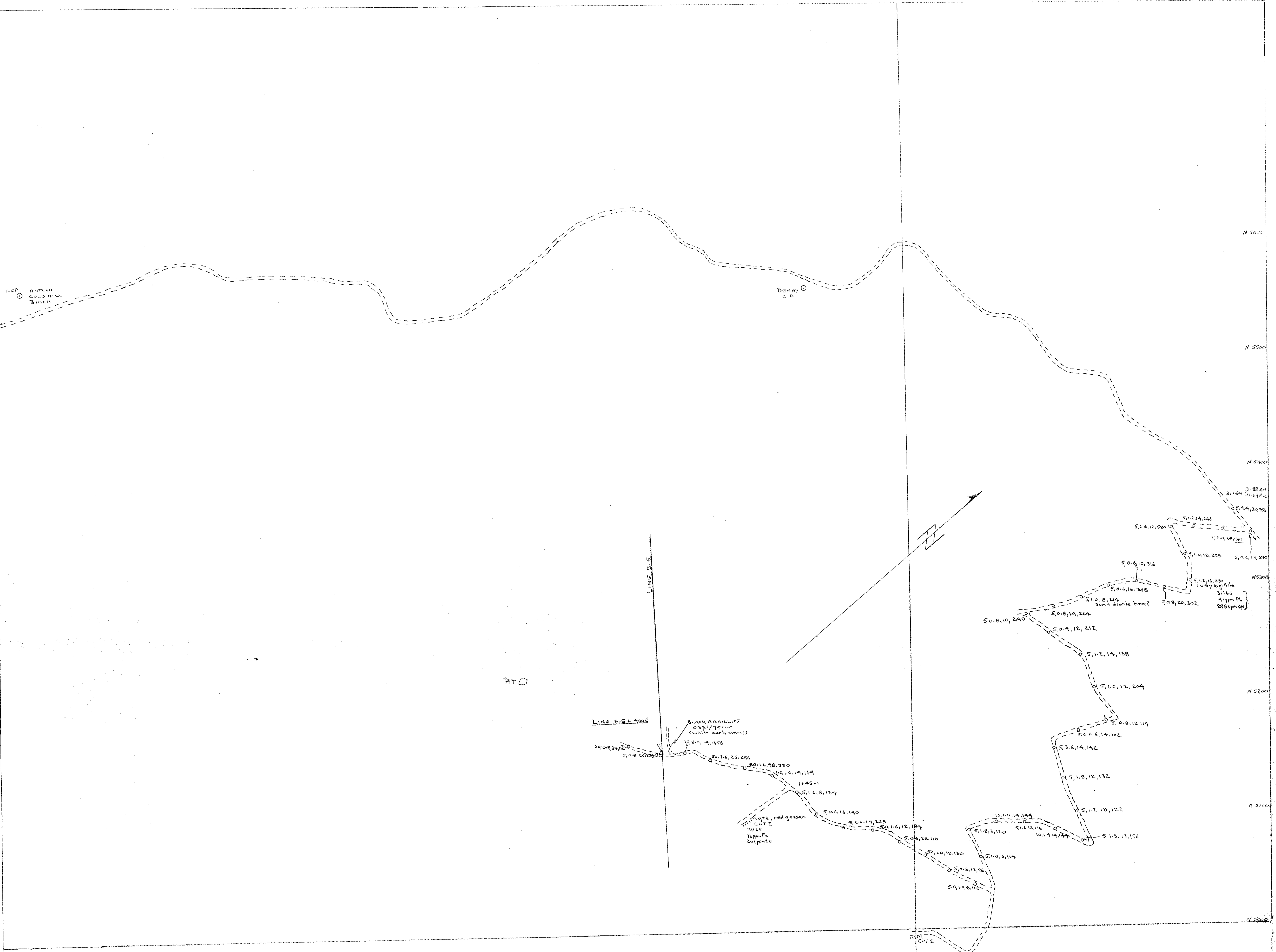
○ ppm Zn, ppm Pb, ppm Ag ≥ 1.0, ppm Au ≥ 20

18,205		
Cabin see assay sheets for values to 9000		
J. MURRAY, B.Sc., CONS. GEOL.		
for NUGGET MINES LTD		
SUMMIT PROPERTY Y.M.A., B.C.		
1988 GEOCHEMICAL RESULTS		
DATE: 7 DEC. 1988	SCALE: 1:2000	FIG. 4

SEE: FIG A "GEOCHEMICAL MAP", 1986
by A.M. EXPLORATION

- A.M. SAMPLE LOCATIONS
- MURRAY SAMPLE LOCATIONS

92,12, Ag 1.2
see assay sheets for values to 9000



18,205

NUGGET MINES		
SUMMIT PROPERTY		
1988 ROAD GEOCHEMISTRY		
○ Au, Ag, Pb, Zn	Scale: 1:1250	
J. MURRAY, CONS. GEOL.	DEC. 1, 1988	FIG. 15