

LOG NO: 1110	RD.
ACTION: 36 pp	
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8/88

1987 EXPLORATION PROGRAMME

ON THE

GOLD TILL 1 - 4 CLAIMS,
SLOCAN MINING DIVISION.

FILMED

NTS 82F/13W & K/4W

^{49° 59' 36"}
LAT ~~50° 08'~~ LONG 117° ^{46'} ~~48'~~
for DRAGON RESOURCES LTD. (OPERATOR)

OWNER: CARL CREEK RESOURCES LTD.

J. Murray, B.Sc.
October 7, 1987

GEOLOGICAL BRANCH
ASSESSMENT REPORT

16,540

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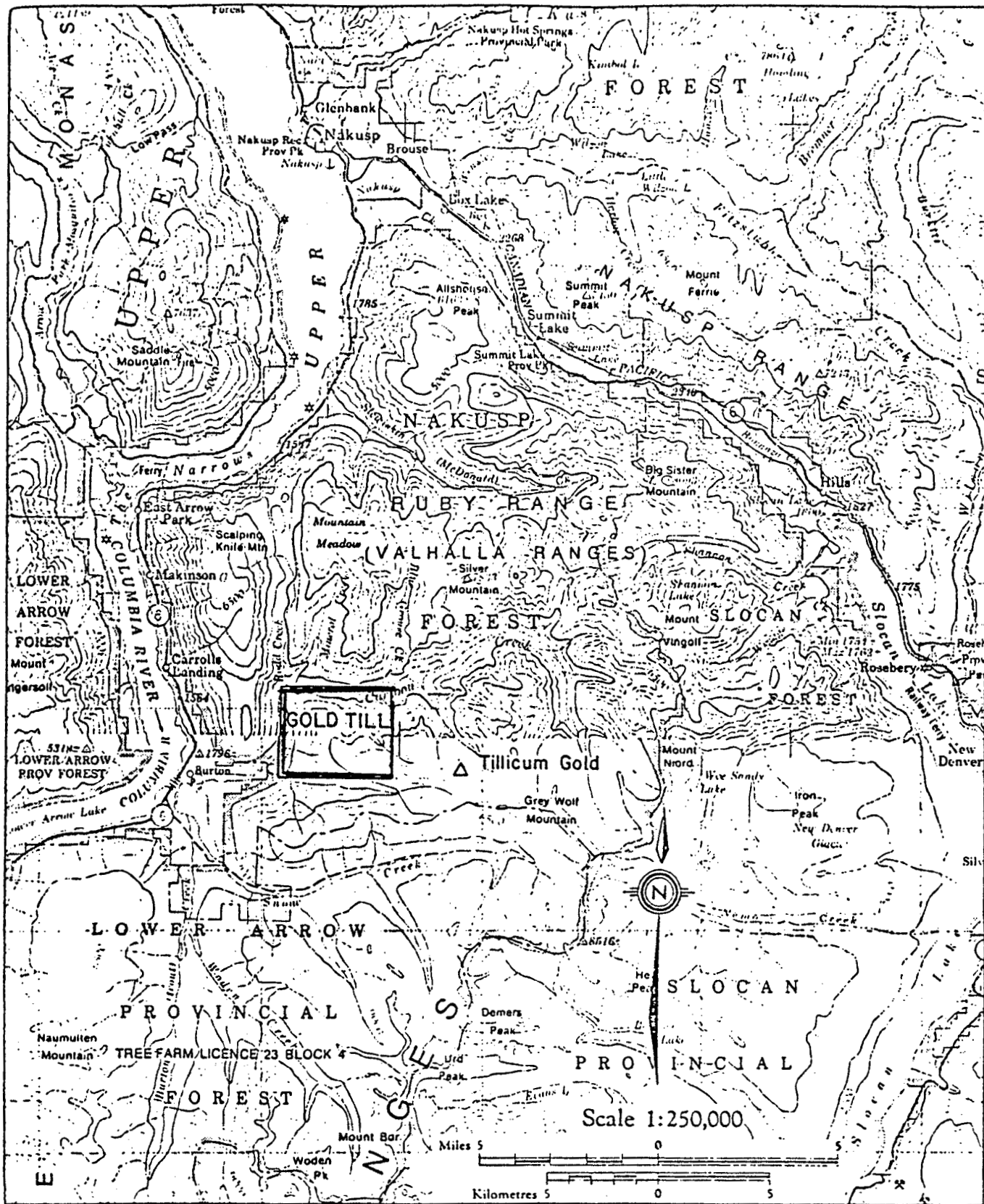
Fig 1 Location Map

Fig 2 Claim Map

Fig 3 Anomaly's 3 & 4

Fig 4 Anomaly 1

Fig 5 Anomaly 2



82 F, K.

ACCESS MAP

GOLD TILL CLAIMS

Slocan Mining Division - British Columbia



A.M. exploration Ltd.

Figure 1

INTRODUCTION

The Gold Till 1-4 Claim Group lies between 760m and 1800m elevation at Latitude 50° 00'N, Longitude 117° 48'W in the Arrow Lakes District of the Slocan Mining Division in the Kootenay region of South-Central B.C. cf. Fig 1. They lie approximately 30 km south of the town of Nakusp, and 5 km ENE of the village of Burton. Access is good via gravel logging roads along Caribou Creek from Highway 6 at Burton.

The claims lie on a north-facing slope on the western side of Tillicum Mountain in the Selkirk Range. Several creeks drain north to Caribou Creek. The terrain ranges from gentle on the mountain ridges, to quite steep on the valley slopes. Outcrop is scarce, and the claims are heavily timbered. Logging is in progress, and several cut blocks on the claim group were replanted in 1987.

The Gold Till claims adjoin Esperanza's Tillicum Mountain project to the east, where a high-grade gold prospect has been undergoing exploration and development since 1981. Esperanza claims (Northern Miner, April 1987) to have a drill indicated reserve of 45000 tons grading 0.75 oz/ton gold plus a further proven/probable reserve of 8000 tons grading 2.89 oz/ton gold (uncut).

II CLAIM DATA

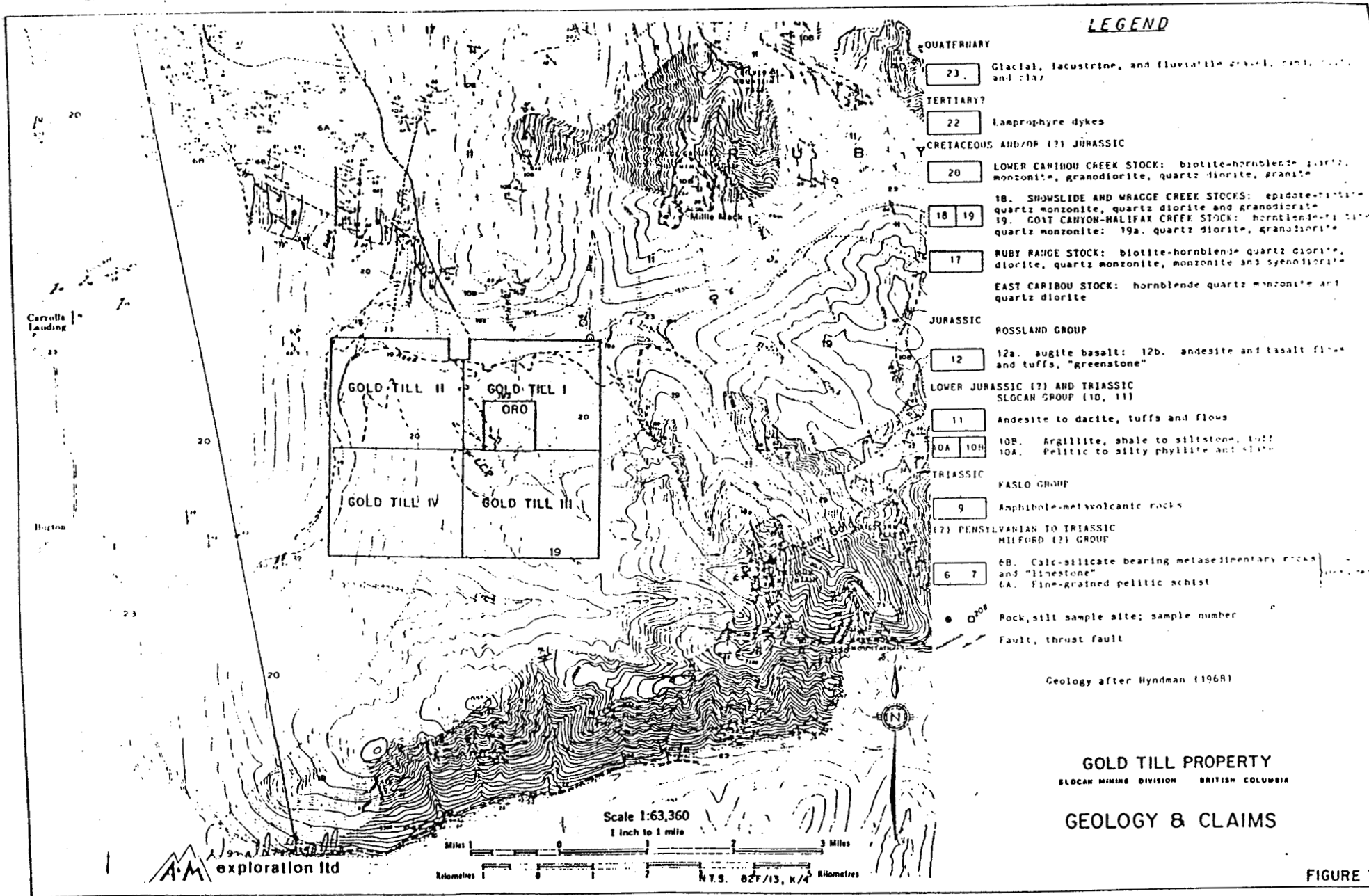
The Gold Till 1-4 claims consist of 80 units staked by J.G. MacDonald in 1982, and currently registered in the name of Carl Creek Resources. They are presently under option to Dragoon Resources. The Oro 1-4 claims occupy the north-central part of the Gold Till claim area, and are surrounded by Gold Till 1-4, but are not part of the option.

<u>Claim Name</u>	<u>Record No</u>	<u>Expiry</u>
Gold Till 1	3020	Aug 27/88
Gold Till 2	3021	Aug 27/88
Gold Till 3	3022	Aug 27/88
Gold Till 4	3023	Aug 27/88

III HISTORY

Early work at the turn of the century in the Burton area produced discoveries of high-grade vein-like structures carrying gold, silver, lead and zinc in skarn type volcanogenic environments on Tillicum Mountain, Blue Grouse Mountain, and the Mountain Meadows areas. Good grade gold and silver ore was shipped from the Millie Mack on Blue Grouse Mountain to the north. In 1981 the Tillicum discovery of Esperanza was made.

The Gold Till claims were staked in 1982, and an exploration programme was proposed by D.G. Allen of A & M Explorations. In 1983 A & M Explorations conducted a programme of geological mapping and geochemical samp-



ling, and G.E. White conducted an airborne magnetometer and VLF-EM survey which outlined several "areas of interest", i.e. magnetic lows.

Also in 1983 Dorado Resources undertook a surface exploration and diamond drill programme on the Oro claims. Several holes were drilled, and two are reported to have intersected .01 oz/ton gold over 1.2m, and .046 oz/ton gold over 1.1m.

Between July 19 - August 25 1987 the author conducted a programme of follow-up geochemical sampling and trenching on behalf of Dragoon Resources. This programme is the subject of this report.

IV TILLICUM GEOLOGY

In a regional context the Tillicum property, (and Gold Till), is situated in the general contact zone between the Kuskanax Batholith to the North, and the Valhalla Dome Intrusive Complex to the south. The rocks which host the mineralization lie on the easterly trending Nemo Lakes Belt roof pendant of metasediments and metavolcanics, and are intruded to the North and West by the Goat Canyon - Halifax Creek stocks. The Tillicum Mountain area is underlain by a stratigraphic section of pelitic schists and calc-silicate clastic and volcanoclastic Milford Group (?) rocks in a NW trending belt lying between the Slocan syncline to the north, and

the Valhalla Dome complex to the south. (Guild) The structure is complex, and several periods of folding are suggested.

The metasediment-metavolcanic assemblage was originally classed as belonging to the Milford and Kaslo Groups, but is now considered, (McClintock/Roberts) to be "divisible into older mafic volcanic-volcani-clastic sequence, and a younger sedimentary sequence. On lithological grounds the sedimentary rocks are correlated with the Slocan Group, while the older volcanic-argillite package are correlated with either the Slocan or Kaslo Groups."

The assemblage is a stratigraphic package of dark fine-grained pelitic sediments with wide-spread calc-silicate rich occurrences and having variable volcani-clastic content on the west, grading into interbedded argillites and quartz-sericite schists to the east. The Cretaceous Goat Canyon - Halifax Creek stock adjoins to the west, and post-dates folding and metamorphism. It is predominantly quartz monzonite, with contaminated border phases of diorite, quartz diorite, and granodiorite.

Diorite porphyry sills and dikes intrude the metasediment-metavolcanic package. They generally have medium-grained porphyritic cores with fine-grained, granular margins. Contacts can be vague due to intense

recrystallization and dioritization of the intruded rocks.

The Goat Canyon - Halifax Creek stock intrudes both the metasedimentary-metavolcanic assemblage, and the diorite porphyry. Moreover, coarse grained dike-like apophyses of Goat Canyon - Halifax Creek quartz monzonite intrude both units. Aplite dikes are common.

The area is complexly folded and faulted, with steep angle faults trending NW, N, and NE. The rocks in the area have been subjected to at least two episodes of contact metamorphism and hornfelsing:

- a) preceding, or contemporaneous with, regional deformation, and associated with feldspar porphyry sill swarms, (possibly related to mineralization); and
- b) related to granitoid intrusions of Goat Canyon - Halifax Creek, and Caribou Creek stocks.

Nearly all proven gold-bearing zones trend N-S. They are not limited to a particular lithology, but transect all rock types. Final concentration is probably structurally controlled.

There are two types of mineralization:

- a) within skarn alteration, (possibly related to the feldspar porphyry sills); and

b) within a siliceous, potassium rich shear zone.

Gold occurs in native state as fracture fillings in veinlets, and as tiny blebs along microfractures in various rock types. It occurs in calc-silicate quartz skarns in metasediments and metavolcanics adjacent to, or in close proximity to, diorite porphyry sills. It occurs as fine-grained disseminations and fracture fillings within, and along the margins, of quartz/calc-silicate segregations within the skarns. Sulphides occur finely disseminated within the foliation, and in the segregations.

At the Tillicum discovery the Heino-Money Pit is the most important zone found to date. It is a siliceous, calc-silicate rich zone occurring as a tabular, well-defined, vertical body at the contact between metavolcanics to the west, and pelitic volcano-sediments to the east. It is hosted by a 3-6m thick section of calc-silicate rich argillites and tuffaceous argillites lying immediately above a fine-grained massive greenstone. (Guild) An amphibolitic unit lies to the west.

To the south the argillaceous/tuffaceous section grades into a medium-grained, light-grey, granular, siliceous quartz-biotite gneiss and quartzite, while the East Ridge zone occurs in a zone along the contact between diorite porphyry and the metasediments, where it

is hosted by a quartz sericite schist. Both at the Heino-Money Pit, and the East Ridge, there appears to be a close spatial relationship with diorite porphyry, and there is evidence of strong hydro-thermal activity. Better grade mineralization occurs near contacts where the volcanic package of wall-rocks is calcium rich.

VI GOLD TILL

A. PREVIOUS WORK AND GEOLOGY

According to GSC MAP 1234A, Geology Nakusp, (Hyndman 1961-62), the Gold Till claim area is underlain by rocks of the Goat Canyon - Halifax Creek Stock, and of the Lower Caribou Creek Stock. The Goat Canyon - Halifax Creek Stock is characterized by hornblend-biotite quartz monzonites, quartz diorites, and granodiorites, while the Lower Caribou Creek Stock is comprised of biotite hornblend quartz monzonites, granodiorites, quartz diorites, and granites, all containing megacrysts of potassium feldspar. The two units are generally quite similar.

Allen's mapping in 1983 demonstrated that the central portion of the Gold Till claims is underlain by a broad belt of pyritic meta-sediments and metavolcanics containing abundant diorite, pegmatite, aplite and lamprophyre dikes, sandwiched

between 3 intrusive phases. These metasediments trend northerly, with biotite metasiltstone most common - a fine-grained dark grey rock containing abundant disseminated pyrite. (Allen)

Tully's work on the Oro claims showed hornfelsed sediments intruded by a complex of acidic and basic type dikes belonging to the Lower Caribou Creek Stock. He found skarn type and hornfelsed alteration to be prevalent, and the diamond drill holes encountered skarns intruded by dioritic dikes. The drill programme tested a north trending magnetic anomaly, and intersected several brecciated quartz veins approximately 0.3m in width. The rocks were mineralized with disseminated pyrite, pyrrhotite, and some minor scheelite.

Allens' geochemical survey, (on lines 100m - 200m apart, with sample spacings of 50-100m), was successful in delineating 4 widespread geochemical anomalies with significant gold, copper, lead, silver, or zinc values.

B. OBJECTIVE

The prime objective of the programme is the location of a Tillicum type orebody on the Gold Till claims. Similar geologic conditions and rock types appear to exist on both properties, and

several areas anomalous in gold, silver, lead, zinc, and copper have been identified on Gold Till ground. Principal zones of interest are volcanic/metasedimentary interfaces, and areas of calc-silicate enrichment and skarn development. Also of interest are zones of diorite and quartz diorite.

White's airborne geophysical survey outlined a strong magnetic high in the west half of the claim block which probably correlates with the granitoid stocks. Allen considered magnetic lows might reflect metasediments. At the Tillicum deposit the area of the Heino-Money Pit orebody lies along a narrow finger of high magnetic values which is cut by a WNW trending magnetic low.

C. 1987 PROGRAMME

The 1987 exploration programme consisted of detailed geochemical sampling to better delineate known broad anomalies, (especially Allen's Anomalies 3, 1b, 4 and a minor programme on Anomaly 2.), and some trenching on anomalous areas with favourable geology. cf. Figs 3,4,5. Geochemical sampling was conducted over a total line length of 5.32 km at sample spacings of 25m. Some lines were extended into previously unsampled areas east of Miller Creek at sample spacings of 50, and 100m, and in the area west of anomaly 1 lines were extended 300m

west into previously unsampled areas with sample spacings of 25m.

A total of 213 soil samples were processed at Acme Laboratories in Vancouver using standard geochemical assay procedures. The samples were analyzed for gold, silver, lead, zinc, and copper. Samples generally were taken from depths of 6-12", and represented B horizon material and glacial till. In the areas of Anomalies 3 and 4 a good proportion of the samples were taken in a previously logged, and recently replanted area.

The prime target area was Allen's Anomaly 3 with geochemical gold values of > 300 ppb, and up to 700 ppb, apparent structures represented by Miller Creek, and a nearby contact of Lower Caribou Creek Stock, and diorite of the Goat Canyon - Halifax Creek Stock. Moreover, it is in an area of low magnetic values, - one of White's "areas of interest".

A second priority target was Allen's Anomaly 1 on an apparent N-S contact between metasediments and the Lower Caribou Creek Stock. The third target was Anomaly 4, a very broadly based geochemical response in the contact area between Lower Caribou Creek Stock, metasediments, and Goat Canyon - Halifax Creek quartz diorites.

Allen's Anomaly 4 was assigned a low-priority for investigation because of extensive overburden, and a lack of apparent geologic contacts and structure. It appears to be underlain by Goat Canyon - Halifax Creek stock rocks.

Three trenches were dug using a JD 650 excavator totalling approximately 300m in length. Two were dug in the vicinity on Anomaly 3 a short distance above geochem values of 310 and 110 ppb gold, and 0.8 ppm silver, and the third was dug on Anomaly 4 above a 30 ppb gold and 0.8 ppm silver value near an assumed contact of metasediments with Goat Canyon - Halifax Creek diorites and Lower Caribou Creek quartz monzonites.

In addition two small pits were dug near the road between the LCP and the switchback above Anomaly 1b to investigate some pyritic material.

D. RESULTS cf. Figs 3, 4, and 5

The soil sampling programme showed that the glacial till cover is quite extensive over most of the claim area, (often 6-8' deep), and on the mountain ridge in the area of Anomaly 4 it was shown to exceed 15 feet in depth by trenching.

Allen used the following cut-offs in plotting

results from his more extensive survey:

Gold	>	20 ppb
Silver	>	0.8 ppm
Lead	>	20 ppm
zinc	>	150 ppm
copper	>	40 ppm

The current survey returned only scattered values in general, and values, (where anomalous by this standard), were of only moderate degree.

Anomaly 4, as originally defined, was essentially a copper anomaly, with some supporting silver and zinc values, and one gold value. The fill-in sampling conducted in 1987 confirmed anomalous copper values ranging from 40-141 ppm in the vicinity of 14,S and 14.5,S from 8 E to 10 E with an occasional high silver value. On Anomaly 1 in the vicinity of 5+50 N from 4 W to 3+50 W there are three moderate zinc values ranging from 162-180 ppm.

Trench 1 was 98m long, 4-6' deep, and entirely within monzonitic rocks of the Lower Caribou Creek stock, with occasional felsite stringers. No mineralization was seen, although one thin, rusty yellow fracture zone approximately 3" wide was noted striking Az 332⁰ with vertical dip. Trench 2 was dug approximately 30m north of Trench 1 at a

point where the slope drops off into the valley of Miller Creek, and approximately 125 m upslope from a 320 ppb gold value. This trench, (approximately 100 m long, and 4-6' deep), also uncovered monzonites. In this trench one small, thin 6-8" quartz lens was noted. Apparently a tension feature, it was barren, and pinched downward. It's strike was Az 320^o, with a vertical to easterly dip. Both trenches (in a roughly E-W orientation), failed to uncover mineralization or favourable rock types, and do not explain the anomalous values downslope.

Trench 3 was dug in a north-south direction in Anomaly 4 with the objective of exposing contacts between the metasediments and the Lower Caribou Creek and Goat Canyon - Halifax Creek stocks. It was 6' deep at the north end, but in the south end digging to 15' did not expose bedrock. A good cross-section of the glacial till was exposed and observed to contain generally well-rounded boulders of all rock types. Rocks exposed in this trench were siliceous metasediments from hornfels to biotite schist. One 5.0 m wide pink-white felsite dike was observed striking approximately Az 075^o. No explanation of the anomalous values was seen.

Two pits were also dug on the road downslope between the LCP and the switchback at the top of Anomaly 1. These were small pits excavated to expose possible quartz diorite, and pyritic metasediment occurrences along the road. The first pit, 200 m down the road from the LCP, exposed diorite and biotite schist, and fine-grained pyritic rocks. A shear striking Az 160° with a steep SW dip was noted, with soft, mud gouge and seams of rotten calcite. This site has some metasediments but is mostly rock with a granitic fabric and numerous felsic dikelets.

The second pit was dug at 3 N plus 150 W near a 20 ppb gold rock sample result. Rock exposed had a rusty, biotite-rich granitic texture with numerous rotten felsic dikelets.

E. CONCLUSION

The 1987 exploration programme was unsuccessful in either giving further definition, or explanation, to the widespread geochemical anomalies outlined by Allen. These anomalous values, while clustering in distinct areas, are very widespread, and probably result from glacial dispersion. No favourable rock types were exposed in the anomalous areas, and no significant mineralization was encountered. It is noteworthy that

most of the pyritization seen was in areas of metasediments south and west of the Oro Claim Group in the central portion of the Gold Till Claim block in areas where Allen's regional geochemical survey failed to denote significant values. Some highly pyritized, (10%), specimens were noted in the vicinity of the Oro claim.

Should further work be undertaken on this property the area of metasediments mapped by Allen could be considered for further investigation, (bearing in mind the paucity of anomalous values). More attention could be placed on trying to trace the fault structures through the Oro Claim, (where drilling did encounter minor gold values and some skarns), and in the vicinity of Miller Creek, and consistent low values in heavy overburden returned by detailed geochemical sampling of Anomaly 2 could be followed up.

VI. REFERENCES

REFERENCES

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2. Guild: 1982 Exploration and Diamond Drilling Report Tillicum, A.R. 11161.
3. Northcote: Petrology and Mineralogy of Tillicum Mountain Gold Property, 1984
4. Tully: Report on the Ball II, Sean and St. Paul Mineral Claim Group, A.R. 12631, 1982
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6. White: Airborne Magnetometer and VLF - EM Survey for Carl Creek Resources, Gold Till Claims.
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8. Allen: Geological and Geochemical Report on Gold Till 1-4 Claims, 1983
9. Tully: Summary Report of 1983 Program of Diamond Drilling on the Oro 1-4 Mineral Claim Group, 1985.
10. Kwong: A Tillicum Mtn. Gold Property Petrologic Update.
11. McClintock/Roberts: Tillicum Mountain Gold-silver Project, 1984.
12. Northern Miner April 27/1987.

VII. ANALYTICAL RESULTS

ACME ANALYTICAL LABORATORIES
 852 E. HASTINGS ST. VANCOUVER B.C. V6A 1R6
 PHONE 253-3158 DATA LINE 251-1011

DATE RECEIVED: AUG 6 1987
 DATE REPORT MAILED: *Aug 13/87*.....

GEOCHEMICAL ICP ANALYSIS

.500 GRAM SAMPLE IS DIGESTED WITH 3ML 3-1-2 HCL-HNO3-H2O AT 95 DEG.C FOR ONE HOUR AND IS DILUTED TO 10 ML WITH WATER.
 THIS LEACH IS PARTIAL FOR MN FE CA P LA CR MG BA TI B W AND LIMITED FOR NA AND K. AU DETECTION LIMIT BY ICP IS 3 PPM.
 - SAMPLE TYPE: SOIL AU* ANALYSIS BY AA FROM 10 GRAM SAMPLE.

ASSAYER: *D. J. J.* DEAN TOYE, CERTIFIED B.C. ASSAYER

DRAGOON RESOURCES File # 87-3032 Page 1

SAMPLE#	CU PPM	PB PPM	ZN PPM	AG PPM	AU* PPB
10E 14.00S 200W	38	8	84	.7	1
10E 14.00S 180W	64	9	67	.2	1
10E 14.00S 160W	41	11	67	.5	1
10E 14.00S 140W	141	17	58	3.9	1
10E 14.00S 120W	54	10	75	1.4	1
10E 14.00S 100W	47	7	69	.6	1
10E 14.00S 80W	48	6	69	.5	1
10E 14.00S 40W	71	13	76	.5	1
10E 14.00S 20W	72	5	71	.6	1
10E 14.00S 0W	54	8	72	.7	1
10E 14.50S 200W	44	8	88	.8	1
10E 14.50S 180W	60	6	63	.4	1
10E 14.50S 160W	36	8	58	.6	1
10E 14.50S 140W	54	11	62	.1	1
10E 14.50S 120W	24	9	44	.7	1
10E 14.50S 100W	58	11	65	.8	1
10E 14.50S 80W	46	12	65	.5	1
10E 14.50S 60W	64	13	72	.7	1
10E 14.50S 40W	62	7	73	.6	1
10E 14.50S 20W	79	9	73	.4	1
10E 14.50S 0W	81	11	62	.5	2
10E 15.00S 200W	32	6	56	.2	1
10E 15.00S 180W	40	6	68	.4	1
10E 15.00S 160W	36	15	58	.4	1
10E 15.00S 80W	36	9	69	.3	1
10E 15.00S 60W	31	9	79	.5	1
10E 15.00S 40W	56	9	78	.6	1
10E 15.00S 20W	29	10	97	.3	2
10E 15.00S 0W	56	10	88	.6	1
10E 15.50S 200W	28	9	98	.4	1
10E 15.50S 180W	31	10	61	.3	1
10E 15.50S 160W	20	10	93	.5	1
10E 15.50S 140W	24	7	67	.3	1
10E 15.50S 120W	30	12	194	.2	1
10E 15.50S 100W	45	12	62	.3	1
10E 15.50S 80W	25	10	81	.2	1
STD C7AU-5	60	38	132	7.2	47

DRAGON RESOURCES

FILE # 87-3032

Page 2

SAMPLE#			CU PPM	PB PPM	ZN PPM	AG PPM	AU* PPB
10E 15.50S 60W			66	9	56	.1	3
10E 15.50S 40W			66	13	62	.3	2
10E 15.50S 20W			37	13	99	.3	2
10E 15.50S 0W			36	14	91	.4	2

RECEIVED AUG 24 1987

ACME ANALYTICAL LABORATORIES
 852 E. HASTINGS ST. VANCOUVER B.C. V6A 1R6
 PHONE 253-3158 DATA LINE 251-1011

DATE RECEIVED: AUG 14 1987

DATE REPORT MAILED: *Aug. 20/87...*

GEOCHEMICAL ICP ANALYSIS

.500 GRAM SAMPLE IS DIGESTED WITH 3ML 3-1-2 HCL-HNO3-H2O AT 95 DEG.C FOR ONE HOUR AND IS DILUTED TO 10 ML WITH WATER.
 THIS LEACH IS PARTIAL FOR MN FE CA P LA CR MG BA TI B W AND LIMITED FOR NA AND K. AU DETECTION LIMIT BY ICP IS 3 PPM.
 - SAMPLE TYPE: SOIL AU ANALYSIS BY AA FROM 10 GRAM SAMPLE.

ASSAYER: *D. Toye* DEAN TOYE, CERTIFIED B.C. ASSAYER

DRAGOON RESOURCES File # 87-3292 Page 1

SAMPLE#	CU PPM	PB PPM	ZN PPM	AG PPM	AU* PPB
L6+00N 8+00W	15	15	106	.2	1
L6+00N 7+75W	24	16	109	.3	1
L6+00N 7+50W	29	23	119	.4	1
L6+00N 7+25W	92	15	92	.3	1
L6+00N 7+00W	26	9	127	.3	1
L6+00N 6+75W	19	15	80	.2	1
L6+00N 6+50W	13	20	80	.2	1
L6+00N 6+25W	22	15	118	.7	1
L6+00N 6+00W	17	16	149	.6	5
L6+00N 5+75W	20	18	56	.6	1
L6+00N 5+50W	21	19	133	.2	1
L6+00N 5+25W	10	13	74	.6	1
L6+00N 5+00W	33	18	126	.3	1
L6+00N 4+75W	30	21	127	.4	1
L6+00N 4+50W	15	22	62	.8	1
L6+00N 4+25W	16	13	84	.3	1
L6+00N 4+00W	30	17	122	.4	1
L6+00N 3+75W	23	16	110	.2	11
L6+00N 3+50W	41	22	110	.2	1
L6+00N 3+25W	24	18	173	.6	1
L6+00N 3+00W	43	25	100	.3	1
L6+00N 2+75W	23	8	82	.4	1
L6+00N 2+50W	15	17	137	.8	1
L6+00N 2+25W	19	11	123	.4	1
L6+00N 2+00W	33	15	181	1.2	1
L6+00N 1+75W	43	22	146	.4	3
L6+00N 1+50W	32	15	133	.3	1
L6+00N 1+25W	27	10	138	.3	1
L6+00N 1+00W	18	14	107	.6	1
L6+00N 0+75W	14	13	130	.6	1
L6+00N 0+50W	11	14	102	.4	1
L6+00N 0+25W	14	12	53	.1	3
L6+00N 0+00BL	23	17	117	.5	1
L5+50N 8+00W	12	22	76	.1	1
L5+50N 7+75W	8	23	76	.2	1
L5+50N 7+50W	13	20	89	.3	1
STD C/AU-S	62	41	132	7.3	50

RECEIVED AUG 24 1987

DRAGOON RESOURCES FILE # 87-3292

Page 2

SAMPLE#	CU PPM	PB PPM	ZN PPM	AG PPM	AU* PPB
L5+50N 7+25W	22	14	72	.1	1
L5+50N 7+00W	43	14	112	.1	1
L5+50N 6+75W	44	11	81	.1	2
L5+50N 6+50W	15	13	111	.1	1
L5+50N 6+25W	14	16	89	.1	1
L5+50N 6+00W	15	10	86	.5	3
L5+50N 5+75W	44	7	122	.3	31
L5+50N 5+50W	12	18	76	.4	3
L5+50N 5+25W	12	9	128	.5	1
L5+50N 5+00W	11	14	128	1.5	1
L5+50N 4+75W	9	22	61	.1	1
L5+50N 4+50W	15	3	54	.1	1
L5+50N 4+25W	29	9	118	.7	1
L5+50N 4+00W	28	14	186	.3	1
L5+50N 3+75W	34	13	162	.1	2
L5+50N 3+50W	32	4	169	.1	1
L8+50S 17+50E	18	20	72	.4	2
L8+50S 17+75E	17	7	72	.1	5
L8+50S 18+00E	18	14	72	.1	5
L8+50S 18+25E	20	12	44	.1	4
L8+50S 18+50E	11	11	44	.1	1
L8+50S 18+75E	32	14	78	.1	39
L8+50S 19+25E	29	23	88	.1	8
L8+50S 19+50E	71	24	91	.1	1
L8+50S 19+75E	26	12	99	.3	7
L8+50S 20+00E	46	21	98	.1	1
L8+50S 20+50E	50	15	102	.2	62
L8+50S 20+75E	17	10	47	.1	2
L8+50S 21+00E	20	14	74	.2	1
L8+50S 21+50E	23	17	50	.1	1
L9+50S 17+50E	17	10	62	.1	6
L9+50S 17+75E	19	9	50	.5	6
L9+50S 18+00E	18	7	82	.1	3
L9+50S 18+25E	14	8	82	.1	2
L9+50S 18+50E	24	18	69	.1	7
L9+50S 18+75E	13	9	72	.1	3
STD C/AU-S	62	40	132	7.4	50

RECEIVED AUG 2 + 10

DRAGOON RESOURCES FILE # 87-3292

Page 3

SAMPLE#	CU PPM	PB PPM	ZN PPM	AG PPM	AU* PPB
L9+50S 19+00E	19	19	70	.2	1
L9+50S 19+25E	22	24	62	.4	1
L9+50S 19+50E	16	16	67	.2	8
L9+50S 20+25E	19	10	74	.3	1
L9+50S 20+50E	23	16	157	.2	1
L9+50S 20+75E	17	5	52	.4	1
L9+50S 21+00E	16	9	71	.2	1
L9+50S 21+25E	17	18	70	.1	250
L9+50S 21+50E	21	12	103	.2	1
17.5E 9S 0M	14	14	75	.4	1
17.5E 9S 25M	21	10	72	.2	1
17.5E 9S 50M	14	16	86	.4	2
17.5E 9S 75M	14	7	73	.1	2
17.5E 9S 100M	15	9	84	.1	8
17.5E 9S 125M	15	10	57	.3	1
17.5E 9S 150M	31	17	84	.3	2
17.5E 9S 175M	15	27	162	.3	1
17.5E 9S 200M	27	21	119	.1	2
17.5E 9S 225M	17	18	58	.3	1
17.5E 9S 250M	24	9	50	.5	2
17.5E 9S 275M	16	11	115	.2	1
17.5E 9S 300M	16	11	127	.4	1
17.5E 9S 325M	55	16	82	2.2	9
17.5E 9S 360M	19	13	52	.4	4
17.5E 9S 375M	18	11	38	.2	18
17.5E 9S 400M	34	12	66	.6	22
14S 60W OF 10E	81	14	69	.3	2
STD C/AU-S	62	40	129	7.3	52

ACME ANALYTICAL LABORATORIES
 852 E. HASTINGS ST. VANCOUVER B.C. V6A 1R6
 PHONE 253-3158 DATA LINE 251-1011

DATE RECEIVED: AUG 21 1987

DATE REPORT MAILED:

Aug. 28/87..

GEOCHEMICAL ICP ANALYSIS

.500 GRAM SAMPLE IS DIGESTED WITH 3ML 3-1-2 HCL-HNO3-H2O AT 95 DEG.C FOR ONE HOUR AND IS DILUTED TO 10 ML WITH WATER.
 THIS LEACH IS PARTIAL FOR MN FE CA P LA CR MG BA TI B W AND LIMITED FOR NA AND K. AU DETECTION LIMIT BY ICP IS 3 PPM.
 - SAMPLE TYPE: SOIL AU* ANALYSIS BY AA FROM 10 GRAM SAMPLE.

ASSAYER: *D. J. ...* DEAN TOYE, CERTIFIED B.C. ASSAYER

DRAGON RESOURCES File # 87-3496 Page 1

SAMPLE#	CU PPM	PB PPM	ZN PPM	AG PPM	AU* PPB
L14+00N 18+50E	26	15	125	.5	53
L14+00N 18+75E	59	9	171	.5	3
L14+00N 19+00E	16	13	119	.2	2
L14+00N 19+25E	54	14	85	.4	8
L14+00N 19+50E	17	3	65	.5	1
L14+00N 19+75E	20	17	86	.8	2
L14+00N 20+00E	34	16	169	.3	2
L14+00N 20+25E	23	14	79	.2	25
L14+00N 20+50E	54	10	95	1.0	7
L14+00N 20+75E	21	14	116	.4	2
L14+00N 21+00E	43	17	172	.1	1
L13+50N 18+50E	29	4	86	1.0	83
L13+50N 18+75E	12	14	56	.4	4
L13+50N 19+00E	84	13	163	1.4	6
L13+50N 19+25E	36	15	164	1.2	1
L13+50N 19+50E	32	7	90	.6	2
L13+50N 19+75E	17	8	83	.4	3
L13+50N 20+00E	24	20	60	1.1	8
L13+50N 20+25E	56	17	117	.8	27
L13+50N 20+50E	30	12	115	1.0	3
L13+50N 20+75E	12	7	50	1.0	2
L13+50N 21+00E	15	2	60	1.0	2
L13+00N 18+50E	16	14	113	.4	4
L13+00N 18+75E	23	11	77	1.7	3
L13+00N 19+00E	76	16	170	.2	4
L13+00N 19+25E	49	7	137	.7	2
L13+00N 19+50E	36	18	111	1.0	3
L13+00N 19+75E	41	13	156	.6	18
L13+00N 20+00E	45	12	137	.3	25
L13+00N 20+25E	65	10	137	.1	6
L13+00N 20+50E	15	8	76	.4	2
L13+00N 20+75E	49	13	101	.1	9
L13+00N 21+00E	18	13	113	.6	3
L3+00S 17+75E	17	18	95	.1	1
L3+00S 18+00E	19	15	126	.1	1
L3+00S 18+25E	18	17	95	.2	1
STD C/AU-S	58	38	132	7.2	49

SAMPLE#	CU PPM	PB PPM	ZN PPM	AG PPM	AU* PPB
L3+00S 18+50E	11	10	81	.2	1
L3+00S 18+75E	24	9	83	.1	4
L3+00S 19+00E	28	10	75	.2	4
L3+00S 19+25E	23	12	95	.4	1
L3+50S 17+50E	16	10	125	.1	12
L3+50S 17+75E	12	16	122	.1	11
L3+50S 18+00E	18	10	86	.3	1
L3+50S 18+25E	17	12	95	.3	2
L3+50S 18+50E	18	10	74	.1	2
L3+50S 18+75E	21	9	70	.1	1
L3+50S 19+00E	15	10	87	.4	1
L3+50S 19+25E	38	14	81	.3	1
L3+50S 19+50E	33	9	87	.2	2
L3+50S 19+75E	18	7	104	.5	1
L3+50S 20+00E	23	13	81	.2	27
L4+00S 17+50E	12	10	76	.4	1
L4+00S 17+75E	18	10	119	.9	8
L4+00S 18+00E	48	2	125	.7	1
L4+00S 18+25E	24	10	78	.2	1
L4+00S 18+50E	14	13	84	.4	1
L4+00S 18+75E	13	10	61	.3	2
L4+00S 19+00E	19	9	60	.2	37
L4+00S 19+25E	33	12	122	.5	1
L4+00S 19+50E	19	9	86	.1	1
L4+00S 19+75E	23	8	63	.4	2
L4+00S 20+00E	24	6	59	.4	4
L5+00S 20+75E	19	17	68	.6	1
L5+00S 21+25E	27	9	123	.4	2
L5+00S 21+75E	19	12	122	.4	2
L5+00S 22+25E	25	21	100	.5	1
L5+00S 22+75E	18	11	109	.4	1
L5+00S 23+25E	20	12	89	.1	2
L5+00S 23+75E	9	10	82	.7	2
L5+00S 24+25E	18	13	85	.4	3
L6+00S 20+25E	25	14	79	.5	1
L6+00S 21+25E	52	11	105	2.8	4
STD C/AU-S	58	38	128	7.3	49

SAMPLE#	CU PPM	PB PPM	ZN PPM	AG PPM	AU* PPB
L6+00S 22+25E	13	16	74	1.4	1
L6+00S 23+25E	24	22	87	.6	1
L6+00S 24+25E	25	14	65	.5	1

DRAGON RESOURCES

87-4390

SAMPLE	CU	PB	ZN	AG	NI	CO	MN	FE	AS	U	AU	TH	SR	CD	Sb	SI	V	CA	P	LA	CR	HG	BA	TI	B	AL	NA	K	M	AUT	
PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	%	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	%	%	PPM	PPM	%	PPM	%	PPM	%	%	%	%	PPM	PPM	
GOLD TILL R 3001 ✓	1	17	23	57	.3	7	5	544	1.99	2	5	ND	11	46	1	2	2	31	.40	.049	13	11	.65	56	.10	7	1.25	.07	.15	1	-
" R 3002 ✓	1	34	28	109	.4	7	8	871	3.93	2	5	ND	9	110	1	2	2	72	.83	.098	21	12	1.03	84	.20	4	3.39	.07	.49	1	-
" R 3006 ✓	3	67	14	74	.3	9	11	632	4.03	2	5	ND	4	59	1	2	2	77	1.23	.109	9	14	1.18	11	.22	2	1.85	.09	.05	1	5
" R 3008 ✓	3	16	14	82	.5	43	10	424	3.83	2	5	ND	7	120	1	2	2	53	1.10	.297	36	99	1.98	71	.20	2	1.62	.09	.07	1	-
R 3012 ✓	1	19	9	52	.1	178	15	325	2.90	2	5	ND	6	22	1	2	2	77	.57	.112	15	256	2.62	258	.39	5	1.88	.07	1.48	1	-
not GOLD TILL R 3018 ✓	1	6	24	182	.4	4	2	775	7.26	2	5	ND	10	211	1	2	2	7	2.72	.020	38	4	.13	16	.01	2	.34	.04	.03	1	-
R 3019 ✓	1	3	15	50	.1	3	1	173	.79	3	5	ND	7	72	1	2	2	5	.19	.018	28	2	.06	19	.01	3	.22	.04	.04	1	-
R 3020 ✓	1	18	17	87	.5	12	5	885	1.86	2	5	ND	5	133	1	2	2	22	2.60	.057	11	15	.39	41	.07	13	.52	.08	.26	1	-
? 3024 ✓	1	25899	6421	1678	413.0	19	9	130	5.44	3774	5	ND	1	6	35	11975	65	1	.83	.002	2	1	.43	7	.01	3	.01	.03	.01	1	-
R 3025 ✓	1	75	153	165	2.3	27	16	1740	3.33	59	5	ND	5	9	1	36	2	8	.42	.070	20	6	.19	435	.01	5	.56	.03	.16	1	-
STD C	18	58	38	132	6.9	68	27	1030	3.89	37	18	7	38	49	17	17	20	56	.48	.083	37	58	.85	176	.08	37	1.80	.08	.13	12	-

pyritic, nr Oro cl
pyritic metasand

✓ ASSAY REQUIRED FOR CORRECT RESULT -

ACME ANALYTICAL LABORATORIES
 852 E. HASTINGS ST. VANCOUVER B.C. V6A 1R6
 PHONE 253-3158

DATE RECEIVED: SEPT 21 1987
 DATA LINE 251-1011 DATE REPORT MAILED: *Oct. 7/87..*

ASSAY CERTIFICATE

- SAMPLE TYPE: Rock Chips

ASSAYER: *D. Toye* DEAN TOYE, CERTIFIED B.C. ASSAYER

DRAGON RESOURCES File # 87-4390A

SAMPLE#	CU %	PB %	ZN %	AG OZ/T	AS %	AU OZ/T
<i>GOLD TILL FELSITE (TR-3)</i> R 3003 ✓	-	.01	-	.03	-	.001
<i>G.T. Qtz vein (TR-2)</i> R 3004 ✓	-	-	-	.03	-	.001
<i>G.T. SLS MEMSED@PY</i> R 3005 ✓	-	-	-	.01	-	.001
<i>not G.T.</i> R 3007 ✓	-	-	-	.02	-	.001
<i>G.T. SLS pyritic 200m LSP</i> R 3009 ✓	-	-	-	.03	-	.001
R 3010 ✓	- 17.25	.97	15.41	-	.001	
R 3011 ✓	- .06	.44	.89	-	.001	
R 3013 ✓	- 39.81	5.59	7.47	-	.001	
R 3014 ✓	- .68	2.10	.34	-	.001	
R 3015 ✓	- .55	8.90	.21	-	.001	
<i>not Gold TILL:</i> R 3016 ✓	-	-	-	1.96	-	.001
R 3017 ✓	- 76.86	2.69	138.68	-	.039	
R 3021 ✓	- 77.33	.31	138.71	-	.001	
R 3022 ✓	5.36	11.85	.55	36.74	.66	.066
R 3023 ✓	2.83	3.95	.22	23.22	.15	.036

VIII. STATEMENT OF EXPENSES

GOLD TILL PROJECT

July 19 - August 25, 1987

STATEMENT OF EXPENSES

A. GEOCHEMICAL

1. Transportation	1256.46	
2. Accomodation and Meals	935.35	
3. Labour	1560.00	
4. Geologist	812.00	
5. Supervision	750.00	
6. Assays	2130.00	
7. Miscellaneous	332.20	
8. Overhead	930.00	

	8706.51	8706.51

B. PHYSICAL

1. Contractor	4823.75	
2. Transportation	551.66	
3. Geologist	625.00	
4. Accomodation and meals	186.63	
5. Overhead	150.00	

	6337.04	6337.04

C. REPORT

1500.00

TOTAL PROJECT EXPENDITURE 16,543.55
=====

IX. STATEMENT OF QUALIFICATIONS

QUALIFICATIONS

J. Murray,

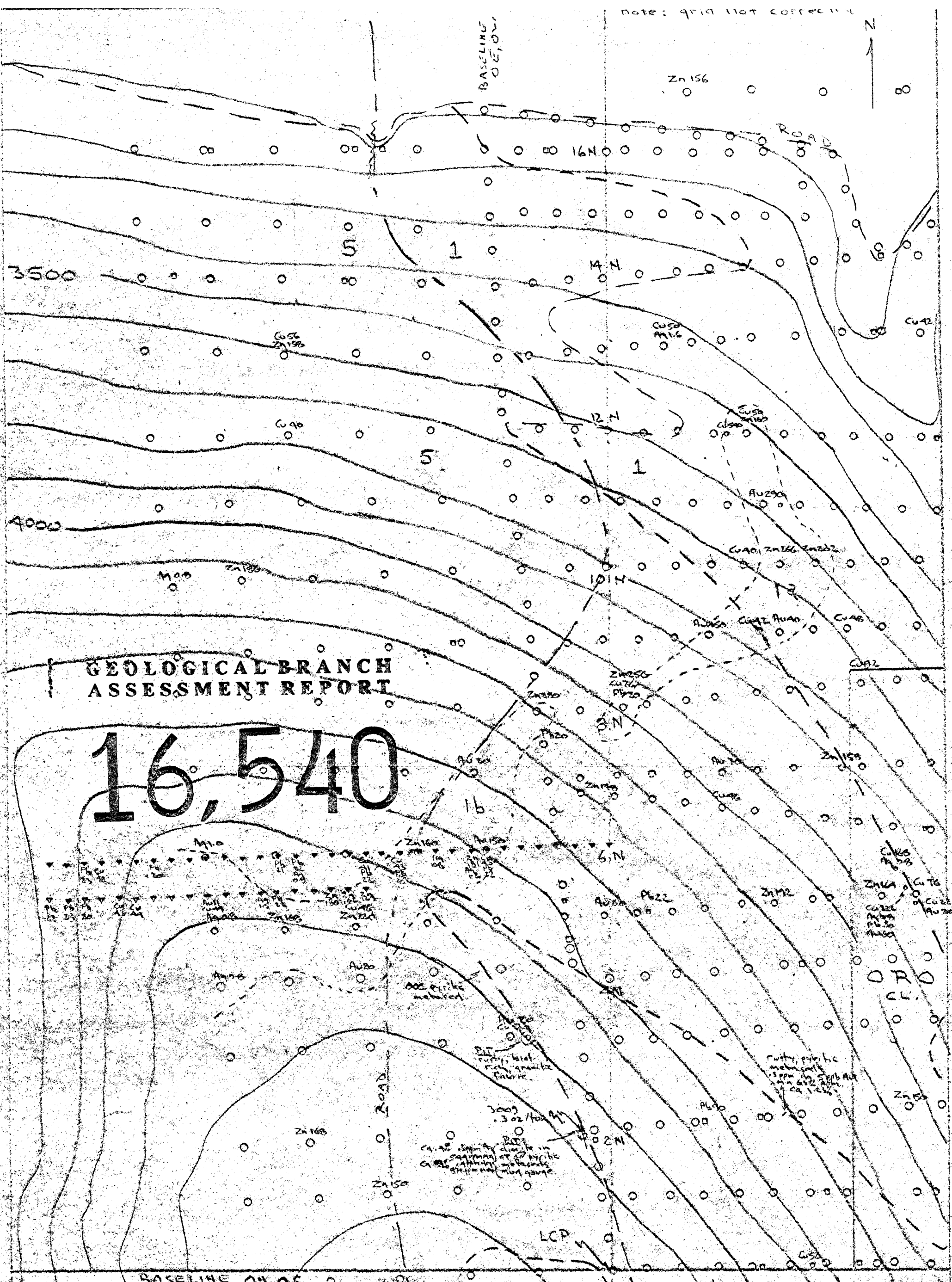
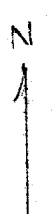
519 West Innes Street,
Nelson, B.C.
V1L 3J2

1. I am a graduate Mining Technician of Haileybury School of Mines, Ontario.
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 geology continuously since 1974.
5. I supervised the geochemical and trenching programme on the Gold Till claim Group from July 19 to August 25/87, spending a total of 17 days on-site.
6. My sole remuneration is the professional fee charged for this report. I have not, (nor do I expect to have), any interest in the company.
7. I have no interests in any of the properties.
8. I herewith consent to the use of this report in a prospectus, SMF, or Qualifying report.



John Murray

note: grid not corrected



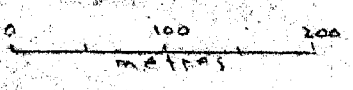
**GEOLOGICAL BRANCH
ASSESSMENT REPORT**

16,540

DRAGON RESOURCES LTD FIG. A

GOLD TILL
SLOCAN MINING DIVISION
ANOMALY 1 (235)
showing 1987 sampling & trenching

- 1 METASEDIMENTS - O'ALLAN'S SAMPLING
- 3 DIORITE - 1987 SAMPLING
- 5 MANZANITE
- SILT SAMPLE
- ANOMALY
- ROAD
- GEOLOGIC CONTACT (ASSUMED)



J. MURRAY OCT. 1987

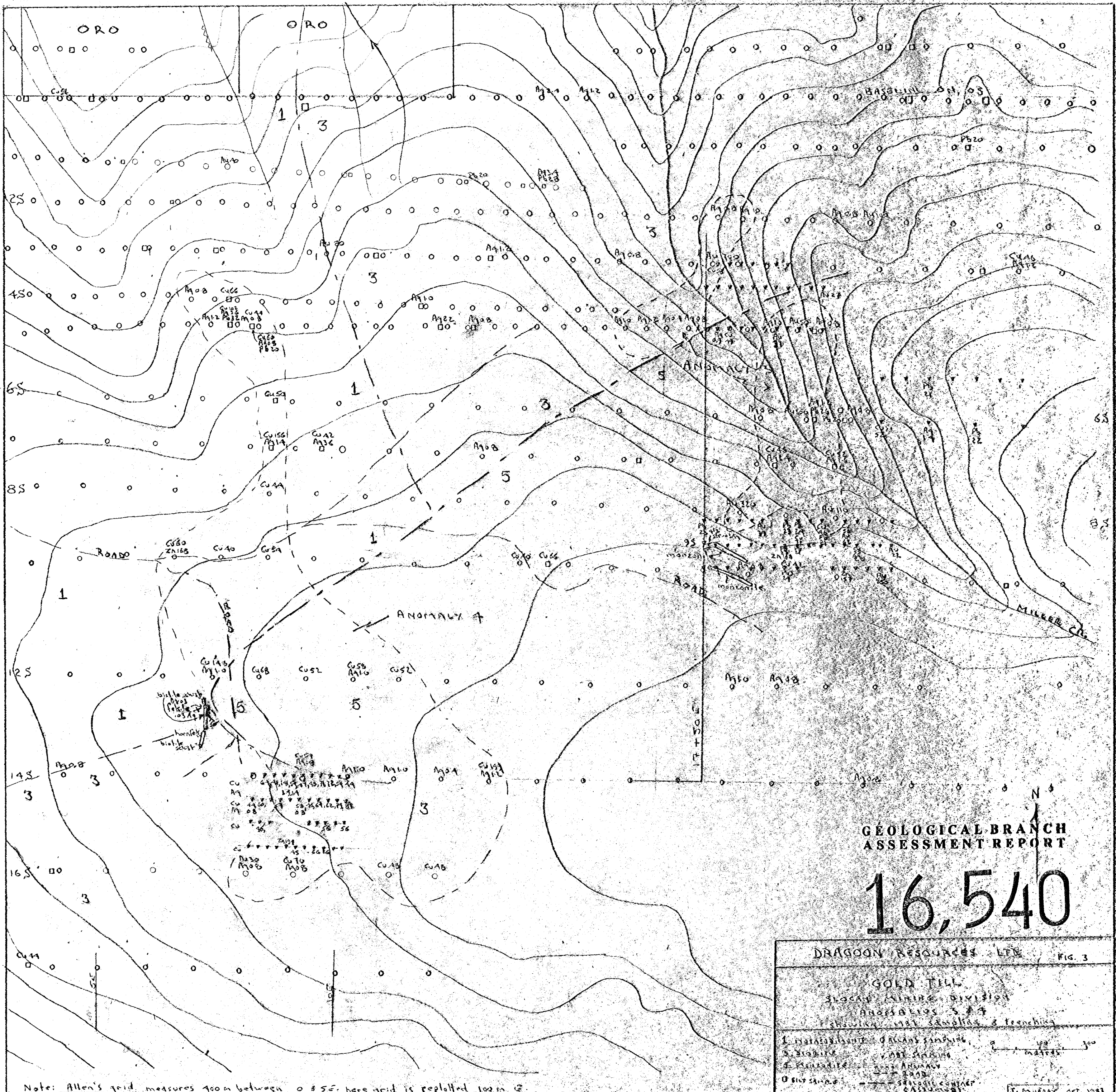
highly silty
pyritic float
Au 0.8 ppm
Mn 124 ppm
Sn 150 ppm
Ca 1.1%

300g
3.02/t Au
BIF
diorite in
Sagman et al pyritic
Gabbro containing magnetite
stromatolite mudstone

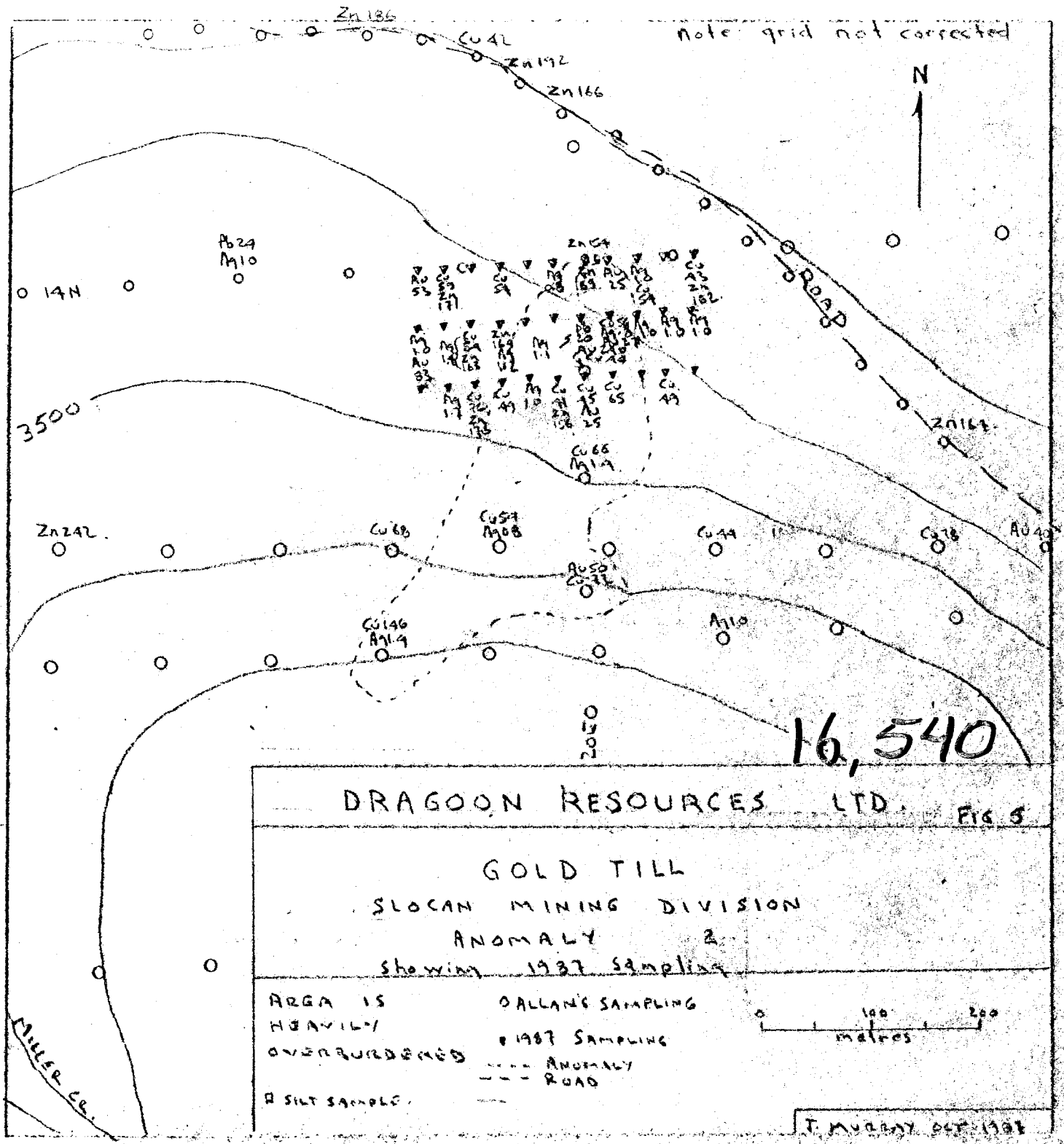
BIF
rich in
iron, quartz
patrolite

000 pyritic
material

rich pyritic
material
1.5ppm Au
Mn 652 ppm
Sn 1.2%



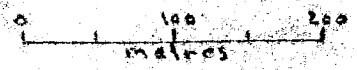
Note: Allen's grid measures 100m between 0 & 5E; here grid is replotted 100m E.



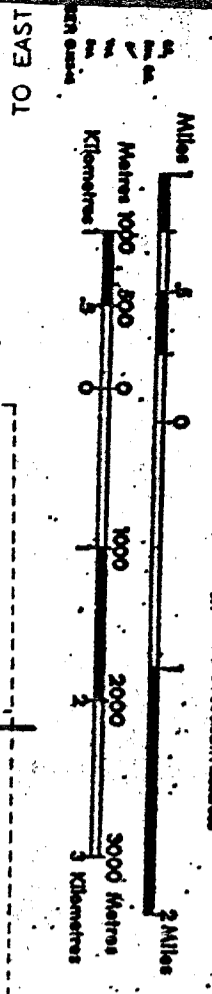
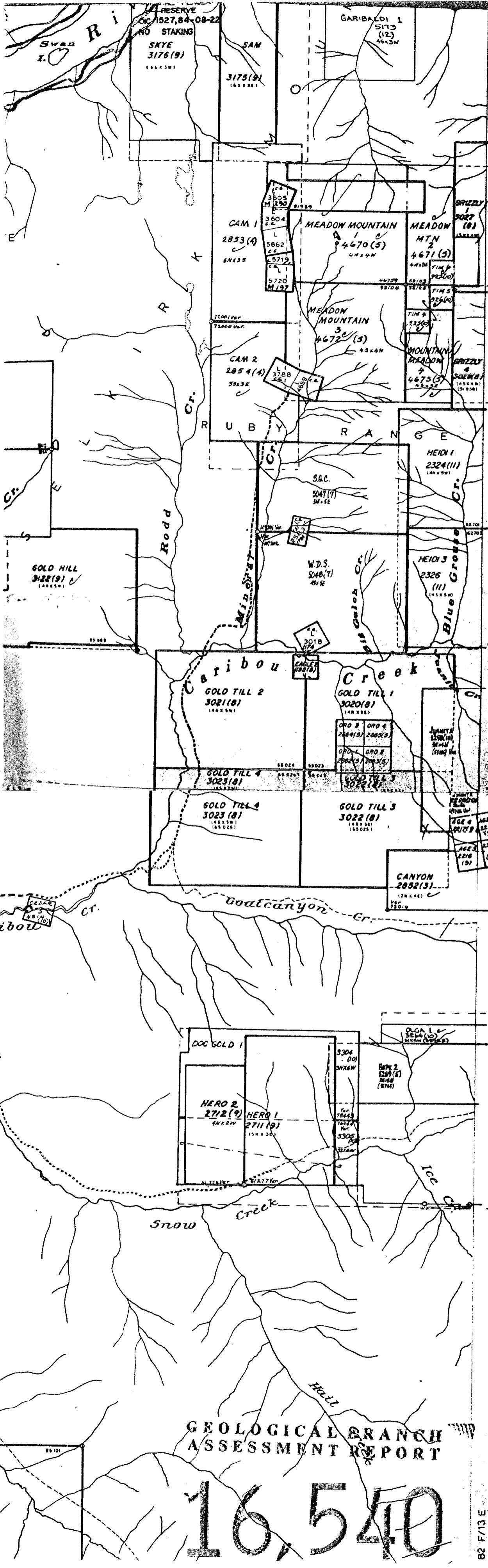
DRAGON RESOURCES LTD. FIG 5

GOLD TILL
 SLOCAN MINING DIVISION
 ANOMALY 2
 showing 1987 sampling

AREA IS HEAVILY OVERBURDENED
 CALLING SAMPLING
 1987 SAMPLING
 ANOMALY
 ROAD
 SILT SAMPLE



J. MURPHY SEP. 1987



UNLESS VERIFIED OR SURVEYED, THE MAP PORTION OF A LEGAL OWNER'S PORT IS BASED ON THE LOCATION'S SECTION, FOR PURPOSES OF THIS INFORMATION, APPLY TO THE OFFICE OF THE MINING DIVISION CONCERNED.
 DATE OF MICROFILM: 87.10.15

82K/4W

82F/13W

N
5
4

GEOLOGICAL BRANCH
 ASSESSMENT REPORT

16,540

82 F/13 E