MINERAL INCENTIVES PROGRAMME

REPORT

FOR

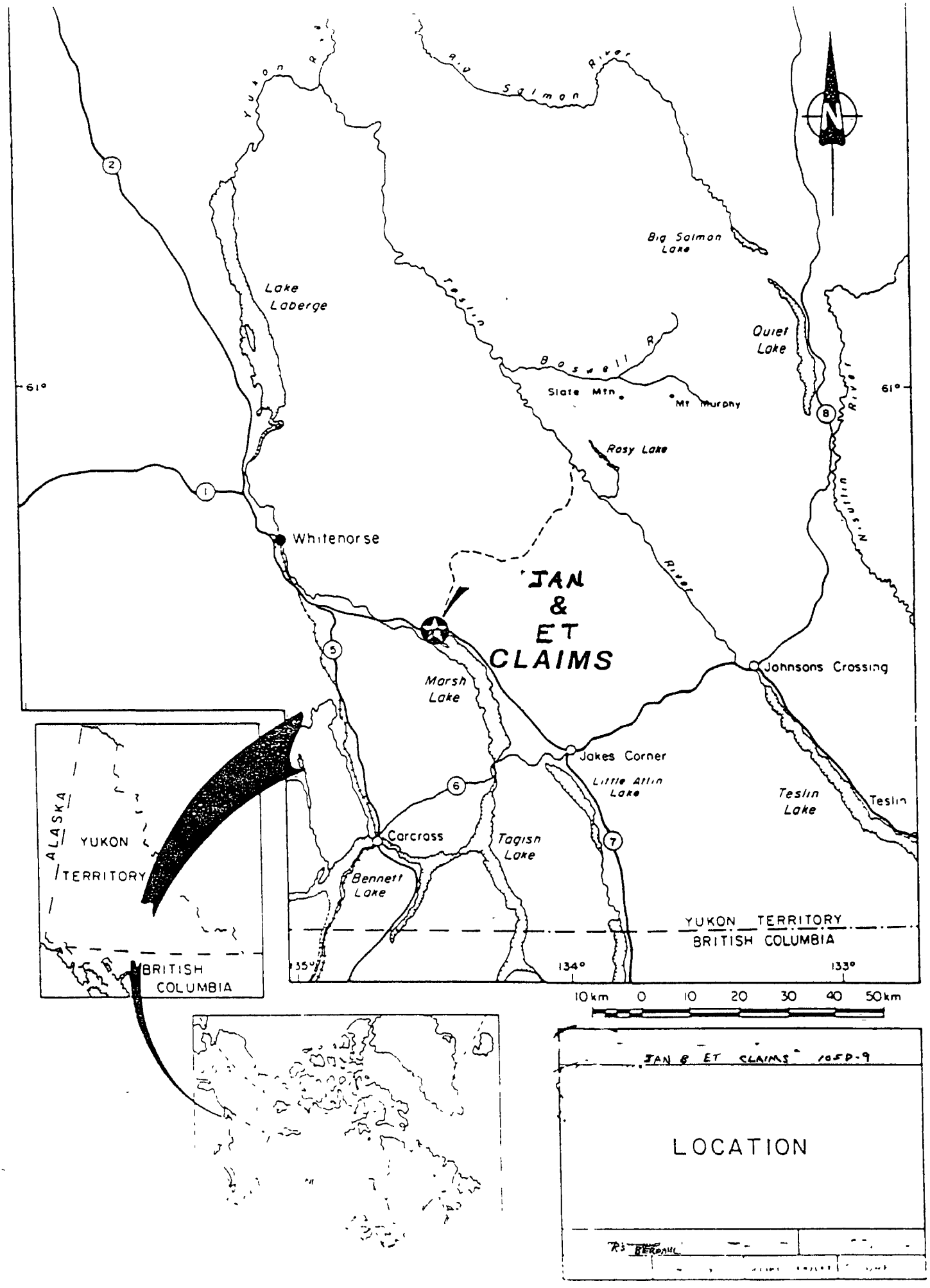
McCLINTOCK COMPONENT 1992

PROSPECTOR'S ASSISTANCE PROGRAMME

NTS Map Sheet 105D9

60° 35' N 134° 22' W

R.S. Berdahl
General Prospecting
May - October 1992


Yukon R.
Big Salmon River
Big Salmon Lake
Lake Laberge
Teslin R.
Bostwell R.
Quiet Lake
Slate Mtn.
Mt Murphy
Rosy Lake
61°
Whitehorse
JAN & ET CLAIMS
Marsh Lake
Nisutlin River
Johnsons Crossing
Jakes Corner
Little Atlin Lake
Teslin Lake
Teslin
Carcross
Tagish Lake
Bennett Lake
YUKON TERRITORY
BRITISH COLUMBIA
ALASKA
135°
134°
133°
10km 0 10 20 30 40 50km
JAN & ET CLAIMS 105D-9
LOCATION

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ADDENDUM

1. OBJECTIVES

To investigate the mineral potential of the lower McClintock area, especially to consider possible porphyry and megothermal gold targets.

2. AREA GEOLOGY

The McClintock component is located within the Whitehorse trough Tectonic Element of the Intermontaine Belt. The Whitehorse Trough is underlain by Carboniferous to Lower Jurassic submarine volcanics and sediments. The lowest units in the Trough consist of oceanic mafic volcanics and siliceous sediments comprising the Cache Creek Group. this Group is overlain by limestones and mafic volcanics of the Lower River Group, Lebarge Group, Greywacker, arkoses and conglomerates overlay the Lewes River Group.

The volcanics and sediments (shales) underlying the McClintock are mapped by Wheeler (1961) as volcanics and metavolcanics of uncertain age, but they are similar to those within the Cache Creek Group near Atlin.

3. PROPERTY GEOLOGY/MINEROLOGY

The McClintock component is dominated by glacially rounded diorites/altered diorites. Some shales occur. Both the mafic volcanics and sediments may be of the Cache Creek group. Mineralization seems to occur at the Lake showing and Worbetts showing (minfile # 115) at the contact between "volcanics" and shales. In baoth places quartz carbonate alterations exists. Cu and Pb mineralization occurs east of the McClintock Cu showing (minfile #67) along a N-S liniment near rhyolites. It is believed this may not be associated with quartz carbonate mariposite float found in the same liniment and elsewhere on the property.

In the eastern (southern) portion of the area numerous residual soil samples have returned Au values to 6000^{+} ppb. These may be associated with N-W trending magnetic highs on the contact with a porphyrytic syenite stock.

In addition several EM anomalies occur near the JAN claims and trend northwest.

Visible placer gold is found in the stream draining the ET claims.

4. METHODOLOGY

The prospector conducted grassroots reconnaissance of the low hills just east of the McClintock River. Prospecting was done in conjunction with a second prospector. Prospecting was done independently for the most part with two trips together.

N-S trending structures were the primary target. This is the same strike as the nearby "Worbett's showing". Prospecting consisted of soil sampling within faults (usually unsuccessful due to permafrost); sampling altered or pyritic rock; examining areas of magnetic anomalies, and attempting to trace float mesothermal alteration to source.

Eight "ET" claims (YB37632-9) were stakes to cover two areas of mezothermal alteration within a N-S fault as well as a magnetic high/low anomaly.

5. ASSAY RESULTS/DATA: See Addendum III

Significant Au, Cu and Pb anomalies are found throughout the area of interest.

6. CONCLUSIONS AND RECOMMENDATIONS

Recent work on the McClintock component of the 1992 programme has shown good potential for significant mineralization.

Several ideas have been proposed for the known and potential mineralization in the area. One theory contends that the mineralized areas striking NW along Marsh Lake (Bug minfile #69, Rossbank minfile #102) are a continuation of the offset Nylin fault, which is associated with the Venus mine. In the Venus situation N/S faults and shears off the Nylin are the mineralized structures. This seems to fit the McClintock situation.

Mineralization may be somehow related to the Cretaceous porphyrytic syenites stocks in the area.

Diorites in the area have been dated at 65my which is thought to be the age of the Whitehorse Copper mineralization event.

The series of untested EM anomalies are thought to be related to graphitic shears which are believed to be directly related to the motherlode style of mineralization that has been found elsewhere on the property (Luke showing).

More work is required over the 100 sq/km area. Specifically detailed soil sampling needs to be performed in faults, over EM and magnetic anomalies. Difficulties of permafrost and glacial till will have to be overcome.

Further geophysics to reconfirm the EM and magnetic anomalies would be helpful before trenching or drilling ensues to test these targets.

More prospecting needs to be directed towards the porphyry stock as well as unexplored structures.

Finally, a large claim block needs to be staked to consolidate the areas of interest and existing claims already staked. The block should tie into the Alaska highway or Grogling Creek Trail for access.

7. STATEMENT OF EXPENSES

Travel @ $0.26/km - $23.00/trip x 3	$ 69.00
Assays paid for by Placer Dome, MDA	-
Per diem @ $52.00/day x 17 days	$ 884.00
Report	32.10
Subtotal:	$ 985.10
Grubstake	$3400.00
TOTAL:	**$4385.10**

ADDENDUM III

McCLINTOCK ROCKS

2D95 - dirty equigranular "diorite" with disseminated and veinlets of pyrite to 5%, limonite on fractures - many meters width

2D917 - quartz carbonate with mariposite (minor) and pyrite, less than 5%, over 1.5 meters

2D918 - as #2D917 but with 1/2" limonitic rims

2D922 - quartz carbonate vein with calcite, minimal mariposite and trace sulfide over .25 meter

2D924 - gossanous pyritic "altered diorite", 2D95-like, <5% pyrite, over several meters

2D926 - decomposed layer between quartz carbonate and shale contact - 2", no sulfides visible

B2D91 - 8' channel sample of North striking altered mafic rock with sections of limonite, verticle dip (Lake showing) 4" limonite altered ultrabasics; 2' altered ultrabasics; 2.5' crumbly highly altered ultrabasics; 12" competent altered ultrabasics; 2' um/limonite (4" layers)

B2D92 - soil approximately 30 meters north of B2D91 in shales with minor limonite on fractures

B2D93 - Shale with limonite component at 2 above

2D930 - mariposite float probably associated with strong N-S liniment through diorite outcrop with limonite capillaries associated with calcite veinlets

D2D931- soil sample at 1', ash layer at 2", brown silty soil on SE trending fault between N-S faults

2D932 - dark green mariposite float associated with strong N-S liniment 1 ft ^{3}, well rounded

2D933 - Pb, Cu mineralization (disseminated galena & and minor malachite stains) in calcite veinlets through felsic (rhyolite?) to greenish aphanitic rock

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03-Jul-92date | Assay Certificate | Page1

Placer Dome Exploration
Ron Berdhal

WO # 13600

Sample #	Au ppb	Ag ppm	Cu ppm	Pb ppm	Zn ppm	As ppm	Sb ppm
2D91	20	<0.1	27	12	36	54	13
2D93	46	<0.1	12	5	25	38	10
2D94	677	0.1	9	4	49	51	15
2D96	30	0.6	8	7	24	36	41
2D97	16	0.2	21	7	44	45	12
2D98	15	0.2	19	7	46	58	10
2D910	14	<0.1	5	5	29	43	2
2D911	20	0.3	39	8	37	38	4
2D912	23	0.2	23	5	20	37	8
2D913	29	0.3	12	4	31	24	5
2D914	11	<0.1	17	7	30	46	6
2D915	43	<0.1	13	6	31	45	6
2D916	9	0.6	9	7	33	45	7
2D919	42	0.6	13	8	30	57	<1
[illegible]920	15	0.4	27	7	53	64	<1
[illegible]920A	13	0.1	27	<1	33	41	4
2D921	15	0.6	86	<1	48	81	36
2D922	19	0.5	59	2	109	63	4
2D925	16	0.5	53	2	22	37	<1
2D926	6329	5.6	133	56	125	>10000	24
2D927	17	0.1	25	<1	31	65	11
2D928	10	<0.1	16	<1	28	58	4
2D929	12	0.1	23	7	38	83	11
2D930	13	0.3	24	<1	23	63	7
2D932	11	<0.1	17	<1	8	44	5
2D95	11	0.4	92	14	58	98	16
2D917	171	0.5	12	17	55	306	37
2D918	132	0.5	8	16	68	310	26
2D922	16	0.5	91	9	96	131	45
2D924	9	0.4	128	15	238	119	19

Certified by

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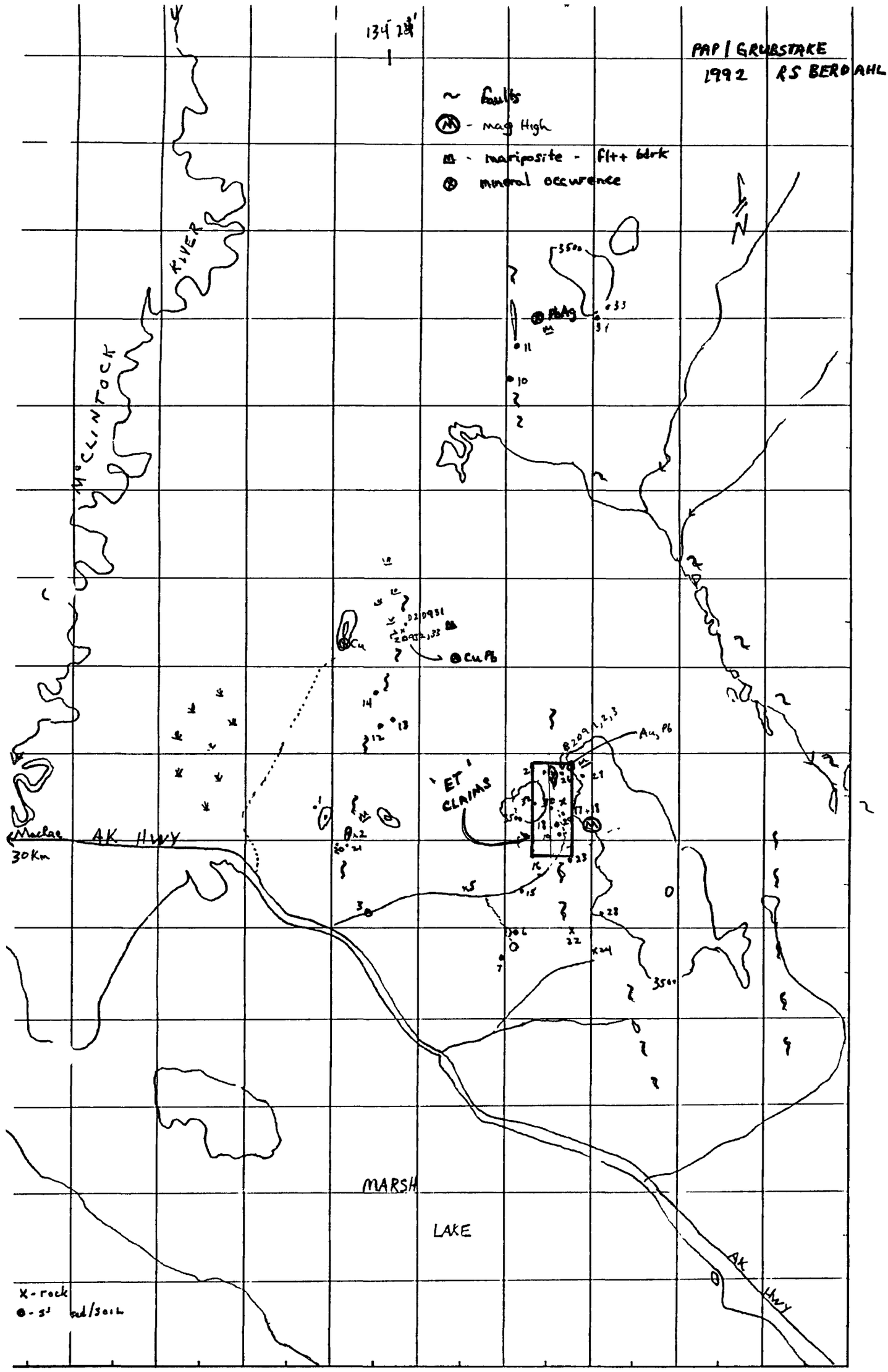
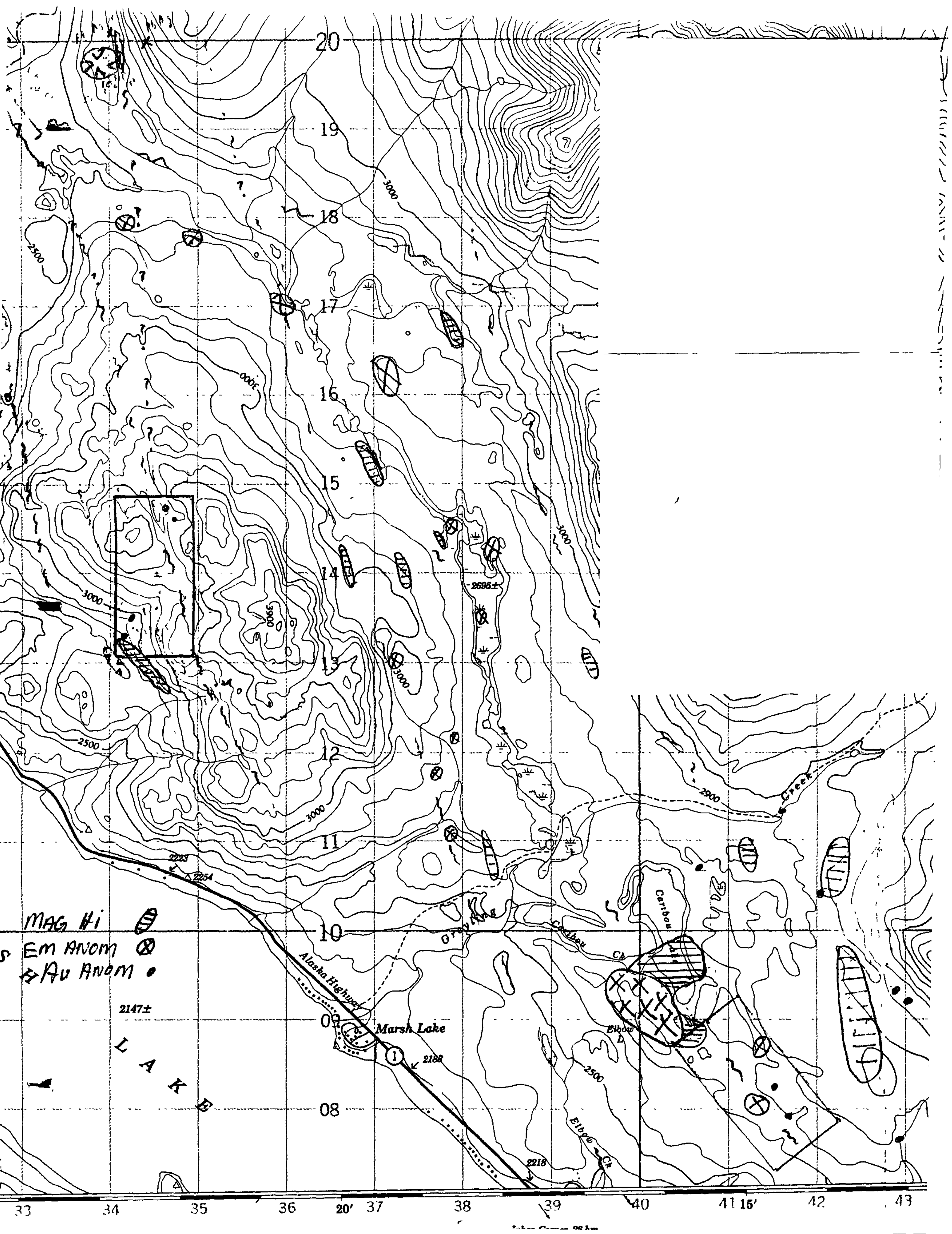


No. of SAMPLES 34 SAMPLE No's. 2D91 thru 2D934; D2931

PROJECT M°C DATES SAMPLED 6/1/92 to 6/22/92 COLLECTORS R Berdahl

REMARKS

SCALE 1:50,000 N.T.S. No. 105D/1 G.C.I. No. 52418


MAG Hi
EM ANOM
Au ANOM
20
19
18
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16
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14
13
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10
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33
34
35
36
20'
37
38
39
40
41
15'
42
43
3000
2500
3900
2900
2696±
2223
2254
2147±
2188
2218
Alaska Highway
Marsh Lake
L A K E
Caribou
Ck
Creek
Elbow
Ck
1

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Placer Dome W/O #13545
Re: Ron Berdahl

Sample #	Au ppb	Ag ppm	Cu ppm	Pb ppm	Zn ppm	As ppm	Sb ppm
2D933	14	0.9	8	13	84	24	2
2D934	15	2	44	28	26	44	1

Certified by C Heyerdahl

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Northern Analytical Laboratories ltd.

22-Oct-92 date

Assay Certificate

Placer Dome Exploration
Re: Ron Berdahl

WO#13837

Sample #	Au ppb	Ag ppm	Cu ppm	Pb ppm	Zn ppm	As ppm	Sb ppm
B2D91	16	0.1	153	331	102	270	19
B2D93	14	<0.1	110	184	216	254	24
D2D931	5	<0.1	2	30	25	181	<1
B2D92	<5	<0.1	17	34	55	206	<1

Certified by

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