

4268

826/12E&W

A GEOCHEMICAL SURVEY

OF THE HUNT CLAIMS

MATHER CREEK AREA, B.C.

HUNT CLAIMS NOS. 1,3, 5,7-10 incl., 12, 14-18 incl., 20, 26, 28-32 incl., 41 & 42.
Record Nos. 17877, 17879, 17881, 17883-86 incl., 17888, 17890-94 incl., 17896, 17902, 17904-08 incl., 17917, & 17918.

Located 10 miles east of Kimberley, B.C. at
N. Lat. $49^{\circ} 42'$, W. Long. $115^{\circ} 45'$.

For C. Warren Hunt,
Claim Holder,
1119 Sydenham Road,
Calgary, Alberta
April, 1973

Department of
Mines and Petroleum Resources
ASSESSMENT REPORT

NO. 4268 MAP.....



Mather Creek Project
 LOCATION MAP
 Scale: 1" = 30 mi.

Department of
 Mines and Petroleum Resources
 ASSESSMENT REPORT
 NO. 4268 MAP #1

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#1 Location Map
#2 Geochemical Survey Map

MATHER CREEK SOIL GEOCHEMISTRY SURVEY

Introduction

A survey of soil geochemistry using mercury as a pathfinder was conducted over a portion of the HUNT Nos. 1 - 48 mineral claims during the period, October 6 - 9 inclusive, 1972. Sampling was done by the author using pace and compass for location. Analyses were made by Mr. Lee G. Morrison, P. Geol. Report preparation was by Mr. Guy B. Allen, P. Eng. and the author.

Property

The property consists of the Hunt Nos. 1-48 mineral claims (Record Nos. 17877-17924 inclusive) described by location and registered to Mr. C. Warren Hunt, P. Geol, 1119 Sydenham Road, Calgary 3, Alberta. Expiry date for the claims is February 11, 1973.

Location

The Hunt claims are located approximately eight to ten miles east of Kimberly, B.C. on Mather Creek in NTS block 82⁶/₁₂. They are centered at Latitude 49° 42' and Longitude 115° 46'.

Access

The area is readily accessible by paved road east from Kimberly and an all-weather gravel road running north-south through the property.

Geography

The entire claims area is relatively flat bush and grazing land. Most of the surface is covered by substantial thicknesses of unconsolidated glacial material.

Geology

Geological Survey of Canada Map 11-1960 indicates the area of the claims is probably underlain at depth by Precambrian argillites, siltstones and quartzites of the Creston formation, which is exposed in outcrop immediately to the west at a point where the east-west road crosses Mather Creek. This formation is in turn underlain by Aldridge quartzites and siltstone.

Isolated outcrops of Cretaceous or Tertiary granodiorite have been mapped to the south of the Hunt group. However, interpretation of a Government aeromagnetic survey (G.S.C. map 8469G), published early in 1972 indicates that these outcrops

are windows to a buried batholithic body roughly four by six miles, the north flank of which probably extends under the claims area. The magnetic configuration of the batholith shows a substantial steepening of gradient along the north side suggesting this edge may have been cut off by an east - west fault directly beneath the Hunt claims.

GEOCHEMISTRY

The concept of the program was that mercury in trace amounts would be found in anomalous amounts over any orebody resembling the Sullivan orebody or over any orebody containing gold in quantities comparable to those thought to have originated the Wildhorse Creek placer. Sampling was conventionally done using the B-horizon of the soil

The B-horizon was found to be uniformly developed buff to orange sandy clay. It was from an inch thick up to 12 or 15 inches and usually easily reached with the shovel alone. From a theoretical point of view it was believed that mercury should certainly occur in this soil if being introduced from beneath.

The analytical technique used is reported on the assay sheet. We are confident that the results show the true conditions.

CONCLUSIONS

No anomaly was found. All readings are believed to be normal background.

RECOMMENDATIONS

The negative results achieved condemn the area surveyed in the writer's opinion. Unless new evidence can be found using other techniques, perhaps geophysical techniques, the results of this survey lead to the recommendation that the claims be dropped.

An I. P. Survey is suggested as giving the best possibility of results, the western part of the claim block being thought most advantageous and having some untouched potential. It cannot be recommended, however, on the basis of the results of this survey.

April 30, 1973
1119 Sydenham Road
Calgary, Alberta



C. WARREN HUNT, P. GEOL.

LEE G. MORRISON, P.ENG.

MINING GEOLOGIST

October 18, 1972

Mr. C. Warren Hunt
1119 Sydenham Road S.W.
Calgary, Alberta

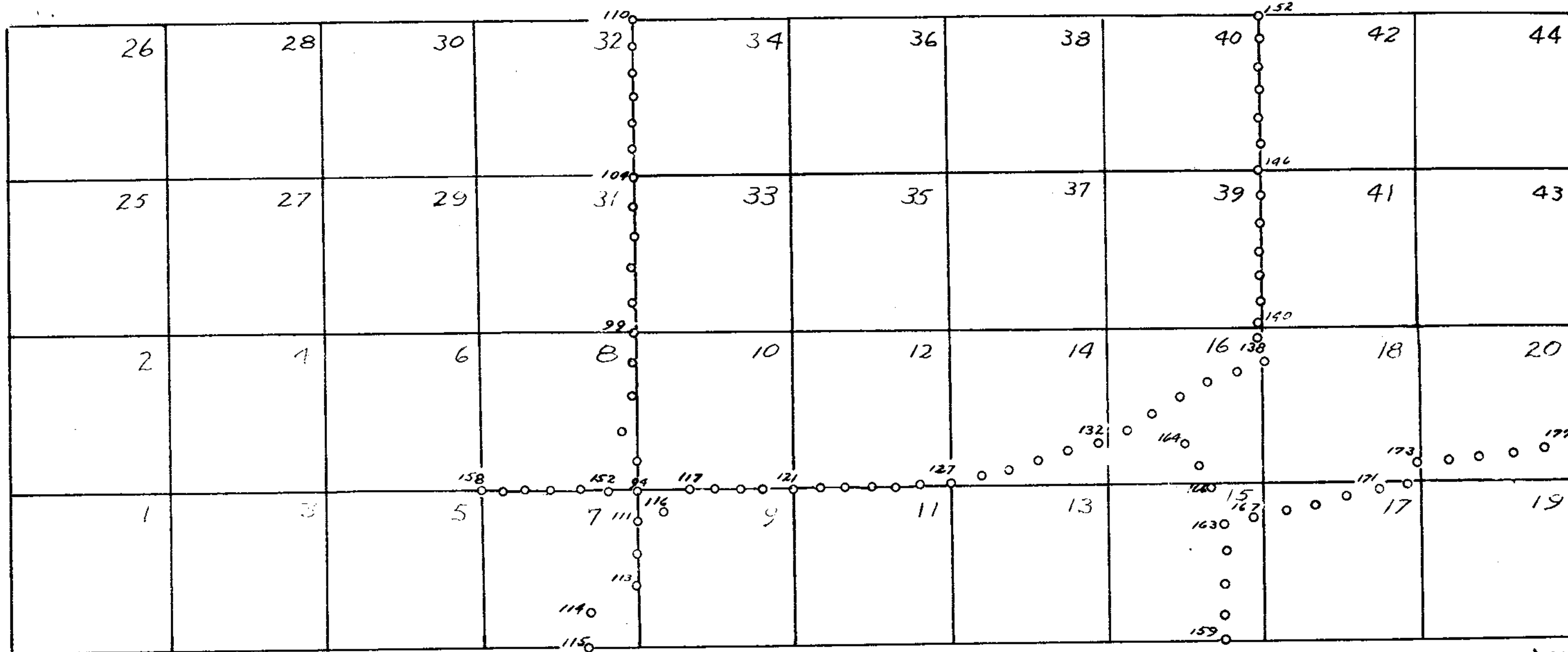
Dear Sir:

The 84 soil samples submitted by you have been tested for mercury with a Johnson-Williams/ Lemaire Model S1 detector. Standard testing procedure was employed on samples of 1 gram of minus 40 mesh material. Half of the samples were run in duplicate, and additional 2 gram checks were run on samples having an initially indicated mercury content of 0.04 ppm or more.

The probable limit of accuracy is ± 0.01 ppm

<u>SAMPLE</u>	<u>Hg(ppm)</u>	<u>SAMPLE</u>	<u>Hg(ppm)</u>	<u>SAMPLE</u>	<u>Hg(ppm)</u>
94	0.02	123	0.03	152	0.015
95	0.035	124	0.03	153	0.025
96	0.02	125	0.035	154	0.02
97	0.02	126	0.03	155	0.02
98	0.03	127	0.03	156	0.035
99	0.045	128	0.03	157	0.02
100	0.05	129	0.025	158	0.015
101	0.04	130	0.02	159	0.015
102	0.045	131	0.035	160	0.04
103	0.035	132	0.02	161	0.035
104	0.05	133	0.02	162	0.045
105	0.05	134	0.02	163	0.04
106	0.04	135	0.02	164	0.035
107	0.04	136	0.025	165	0.03
108	0.045	137	0.025	166	0.05
109	0.02	138	0.025	167	0.03
110	0.03	139	0.03	168	0.03
111	0.04	140	0.02	169	0.04
112	0.03	141	0.025	170	0.04
113	0.04	142	0.025	171	0.04
114	0.04	143	0.02	172	0.04
115	0.05	144	0.02	173	0.03
116	0.045	145	0.015	174	0.04
117	0.04	146	0.02	175	0.03
118	0.03	147	0.02	176	0.04
119	0.04	148	0.015	177	0.04
120	0.03	149	0.025		
121	0.045	150	0.025		
122	0.025	151	0.02		


Lee G. Morrison



Geochemical Survey
 Station Location Map
 Oct. 20, 1972

Department of
 Mines and Petroleum Resources B. C.
 Mather Creek Prospect
 ASSESSMENT REPORT
 NO. 4268 MAP #2

C. WARREN HUNT, P. GEOL.
W. Hunt

Scale: 1" = 0.2 mi.
 77 Geochem sample
 33 Claim number, HUNT claims.

N

DECLARATIONS OF
QUALIFICATIONS OF C. WARREN HUNT

AND OF

COSTS INCURRED AND DATES OF WORK ON MATHER CREEK GEOCHEMICAL SURVEY

I DECLARE THAT:

1. I am a graduate of the California Institute of Technology, having received the degree of Bachelor of Science in geology in 1945; that
2. I have practiced the profession of geology continuously since my graduation; that
3. I am a Member in good standing of the ASSOCIATION OF PROFESSIONAL ENGINEERS, GEOLOGIST, AND GEOPHYSICISTS OF ALBERTA, the Society of Exploration Geochemists, the Society of Economic Geologists, the Canadian Institute of Mining and Metallurgy, and the Geological Association of Canada; that
4. I am familiar with the techniques of exploration geochemistry; that
5. I am familiar with the region of the Hunt claims of the Mather Creek prospect; that
6. I personally carried out all the field work of this report, having spent two days on the ground and two days partly on the ground and partly travelling to and from the property in the period, October 6 - 9, 1972 inclusive; and that
7. I have either paid out the following sums or allocated my time spent on the prospect on the following basis:

Professional services, 4 days @ \$150/day ...	\$ 600.00
Travel expenses, 500 miles @ 14¢ ...	70.00
Meals & accommodation ...	71.00
Assaying costs, professional fee ...	130.00

Total Costs	\$ 871.00
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1119 Sydenham Road
Calgary, Alberta
April 30, 1973


C. WARREN HUNT, P. GEOL.