

82-128

GEOLOGICAL REPORT

ON THE

EXPLORATION PROGRAM

OVER MINERAL CLAIMS NEAR THE HEADWATERS

Duff, Otto, Hall, Amy, Kitt, Neil, Kent
OF

FINLAYSON CREEK

CASSIAR DISTRICT, LIARD MINING DIVISION

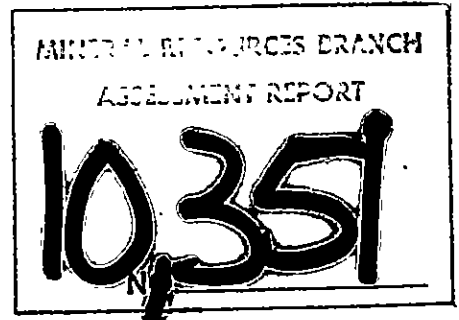
BRITISH COLUMBIA

104 P / 3 W, 4 E, 5 E, 6 W

59°15' North Latitude
129°35' West Longitude

FOR

KENT ENERGY CORPORATION



AUGUST 14, 1981

W. G. Stevenson

W. G. STEVENSON & ASSOCIATES LIMITED
CONSULTING GEOLOGISTS

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INTRODUCTION

In March 1981, Kent Energy Corporation commissioned W.G. Stevenson & Associates Ltd. to make an examination, appraise the mineral potential and design a program to test the potential of a block of mineral claims which they held in the Cassiar District in Northcentral British Columbia. To accomplish this assignment, I spent the period April 7-8, 1981 in this area in company with Mr. Louis Gall, one of the vendors of the property.

Kent Energy initiated a program of exploration over the claim block in May 1981 under the direction of Mr. Tim Hensch, geologist.

I spent the period July 31 - August 1st, 1981 making an examination and reviewing the exploration which had been completed over the claim block. Mr. Tim Hensch and Kent Vipond, Vice President of Kent Energy Corporation, accompanied me on this examination and provided valuable information and assistance.

PROPERTY AND TITLE

Kent Energy Corporation has acquired the mineral rights to a block of 7 contiguous mineral claims (140 units) in the Cassiar District of the Liard Mining Division. These claims were recorded in February and March 1980. Work has been accomplished, or money paid in lieu of work on these 7 claims which has validated them until 1982. An additional block of 20 claim units, which are contiguous with the main block and immediately east, has been staked in behalf of Kent Energy in 1981.

The attached map marked Appendix "C" shows the outline of this claim block and the outline and name of each of the mineral claims. A tabulation of this information as of August 13, 1981 is shown on the attachment marked Appendix "A". The newly staked claims have not yet been processed in the B.C. Department of Mines and Petroleum Resources recorder's office in Vancouver.

LOCATION AND ACCESS

The property is located in Northcentral British Columbia, 700 miles north of Vancouver, and 11 miles southeast of Cassiar.

More precisely, the claims are centered at 59°15' North Latitude and 129°35' West Longitude.

Access can be gained from Watson Lake, Yukon Territory, a village on the Alaska Highway.

A good road from Watson Lake extends southwesterly, a distance of 100 miles to Cassiar. This road crosses the northern part of the Kent property 10 miles east of Cassiar. Alternate road access can be gained from Stewart, B.C., a seaport on the Portland Canal, which is approximately 220 miles south of the property.

HISTORY

Placer gold was discovered in 1874 on McDame Creek near an area now called Centerville 8 miles east of the Kent mineral claims. Gold was subsequently discovered in quartz veins on Table Mountain, 11 miles southwest of Centerville and 2 miles south of McDame Lake. Claims were staked in this area over the Vollaug Vein in 1935 and over the Jennie Vein in 1936.

Cominco Ltd. acquired an option on the Vollaug claims in 1936. After one year of trenching and diamond drilling, Cominco relinquished its option. In about 1953, Silver Standard, through its subsidiary company, Table Mountain Mines Ltd., acquired claims over the eastern part of the Vollaug Vein and in 1978 and 1979 carried out major underground development.

Erickson Gold Mining Corp. acquired the claims over the Jennie Vein and after a program of diamond drilling initiated production at a rate of 100 tons per day in about 1979.

During the period 1978, 1979 and 1980, large blocks of mineral claims were staked and exploration has been accomplished in areas surrounding the Vollaug and Jennie veins.

In 1980, Mr. Paul Urbanovitch staked 7 mineral claims which are located $4\frac{1}{2}$ miles northeast of the Vollaug and Jennie veins. In 1981, Kent Energy Corporation entered into option agreements on these mineral claims.

The attachment marked Appendix "B" shows the outline of the Kent property and its relation with other properties and geographic sites in this part of the Province.

GEOLOGY

A northwesterly-trending syncline which encompasses the Cassiar District, coincides with the position of the Stikine Mountain Range in northern British Columbia. A thick assemblage of volcanic and sedimentary rocks of Devonian and Mississippian age is exposed near the crest of these mountains. These rocks, mainly chert, argillite, greywacke, limestone, and metamorphosed volcanics, are named the Sylvester Group.

This formation trends northwesterly-southeasterly, for more than 50 miles, adjacent to, or near the eastern contact of the Cassiar Batholith. The Sylvester Group overlies limestones, dolomites and quartzites of the McDame, Sandpile, Ketchika, Attan and Good Hope Formations which vary from Devonian to Precambrian in age.

In the Cassiar District, the Sylvester Group of sediments is exposed over a width of approximately 10 miles. The beds within this formation have been moderately folded and their attitudes vary from horizontal to vertical. Serpentine and greenstone dikes and sills have intruded this formation and faulting is prevalent.

The property held under option by Kent Energy Corporation overlies rocks of the Sylvester Group.

The attached map marked Appendix "B", based on mapping by the Geological Survey of Canada and published with Memoir Number 319, shows the outline of the various formations and their relation with rocks of the Cassiar Batholith.

MINERALIZATION

In about 1938 an east-west-trending quartz vein named the Vollaug Vein located about .2 miles south of McDame Lake, was under development. In about 1960 lode gold mineralization was under extensive development at the Hanna property on the east side of Quartz Rock Creek, about 2 miles north of McDame Lake. At approximately this same time the gold-bearing quartz veins on Table Mountain located 1 mile south of the Vollaug Vein, were under development.

Four or more gold-bearing quartz veins have been recognized and developed within the Cassiar District. These veins occur within complex structures which trend east-west and northeast-southwest. The veins are intermittent, enechelon and offset by faulting. The information which is available suggests the veins vary up to 8 feet in width and are steeply dipping. The gold occurs with tetrahedrite, chalcopyrite and arsenopyrite, and as free gold. The grade of production reported by Nu-Energy Development Corporation for the Jennie Vein during the start-up period was 0.6 Oz. gold and 0.55 Oz. silver per ton.

During 1981 quartz veins were discovered in two northerly flowing creeks on the Kent property. The attached map marked Appendix "C" shows the location of these quartz veins. The inset map marked Appendix "D" shows the location of the samples I collected from these quartz veins. The tabulation marked Appendix "F" provides particulars of the sample and assay data.

CONCLUSIONS

1. The recent increase in the price of gold, the infra-structures which are now available at Cassiar and the profitability of the known veins in this district, offer attractive exploration possibilities within the Kent mineral claims.
2. The geologic environment within the Kent claim block is similar to those areas in the district where gold-bearing quartz veins have been found.
3. Prospecting during the 1981 field season led to the discovery of quartz veins in Ying and Yang Creeks within the Kent property.
4. While samples collected from these veins contained only trace amounts of gold and silver, their structural relationship with known metal-bearing veins will be of assistance in future exploration.
5. Prospecting, geological mapping, geophysical and geochemical surveying appears to offer the most effective means of exploration which is hereby recommended.

RECOMMENDATIONS

1. Continue the program of prospecting and geological mapping over the remaining parts of the claim block.
2. Establish a grid across the property and collect soil and rock samples for geochemical analysis.
3. Initiate a program of VLF-EM surveying across the grid zone.

Depending on the results of this exploration, a program of diamond drilling may be warranted.

COST ESTIMATES FOR PROPOSED PROGRAM

STAGE 1

1. Prospecting and geological mapping 3 men - 2 months	\$ 15,000.00
2. Geochemical, geophysical Survey	15,000.00
3. Engineering and Supervision	10,000.00
4. Contingencies - @ 20%	<u>8,000.00</u>
TOTAL STAGE 1	<u>\$ 48,000.00</u>

STAGE 2

Provision for diamond drilling contingent on the results obtained in Stage No. 1.

Diamond drilling - 2,000 feet @ \$30/foot
plus mobilization

\$ 75,000.00

Respectfully submitted,

W.G. STEVENSON & ASSOCIATES LTD.
Consulting Geologist.



W.G. Stevenson, P.Eng.

Vancouver, B.C.
August 14, 1981

TABULATION OF CLAIM DATA RECORDED IN THE VANCOUVER OFFICES OF
THE VANCOUVER, BRITISH COLUMBIA DEPARTMENT OF MINES AND
PETROLEUM RESOURCES AS AT AUGUST 13, 1981. TO ACCOMPANY
GEOLOGICAL REPORT DATED AUGUST 14, 1981 ON MINERAL CLAIMS IN
THE LIARD MINING DIVISION BY W.G. STEVENSON AND ASSOCIATES LTD.
FOR KENT ENERGY CORPORATION

<u>CLAIM NAME</u>	<u>TAG NO.</u>	<u>RECORD NO.</u>	<u>DATE RECORDED</u>	<u>NO. OF UNITS</u>	<u>STAKED BY</u>	<u>AGENT FOR</u>	<u>TRANSFER</u>	<u>VALIDATION</u>	<u>EXPIRY DATE</u>
Duff #1	32144	1176	18 Feb 1980	20	Paul Urbanovitch	Self	David H. Vipond	P50271-50290	18 Feb 1982
Otto #1	41520	1216	3 Mar 1980	20	Paul Urbanovitch	Otto Laiss	None	C/L 726	3 Mar 1982
Hall #1	41519	1214	3 Mar 1980	20	Paul Urbanovitch	Stein G. Hall	None	C/L 726	3 Mar 1982
Amy #1	41522	1215	3 Mar 1980	20	Paul Urbanovitch	Stein G. Hall	None	C/L 726	3 Mar 1982
Kitt #1	41534	1217	26 Mar 1980	20	Paul Urbanovitch	Walter Kitt	None	P63850-63869	26 Mar 1982
Neil #1	41537	1218	26 Mar 1980	20	Paul Urbanovitch	Neil L. Anderson	None	P63830-63849	26 Mar 1982
Otto #2	41538	1219	26 Mar 1980	20	Paul Urbanovitch	Otto Laiss	None	P63870-63889	26 Mar 1982

APPENDIX "A"

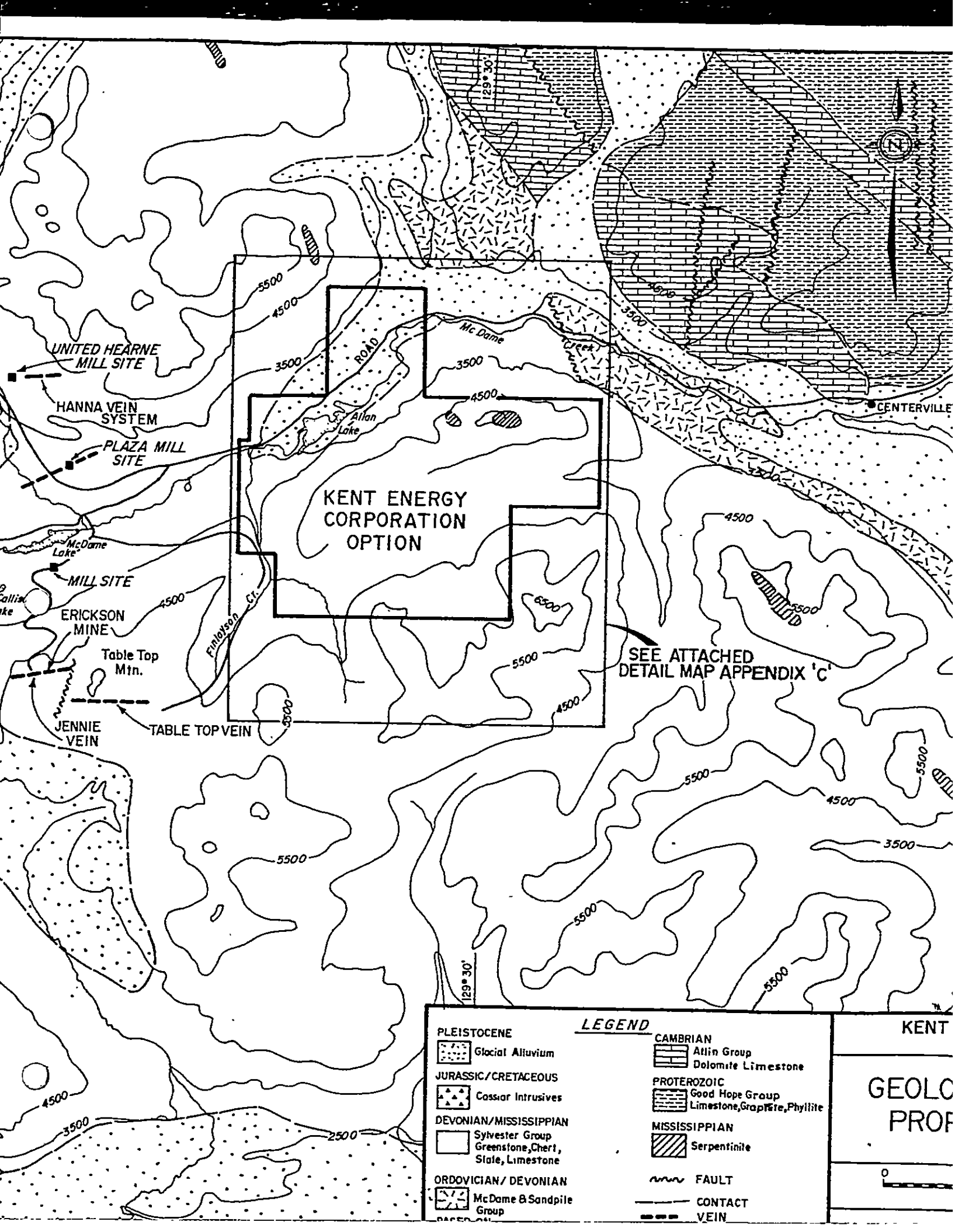
REFERENCES

TO ACCOMPANY GEOLOGICAL REPORT DATED AUGUST 14, 1981 ON MINERAL CLAIMS IN THE LIARD MINING DIVISION BY W.G. STEVENSON AND ASSOCIATES LTD. FOR KENT ENERGY CORPORATION.

1. B.C. Minister of Mines Annual Reports, 1937, 1939.
2. GSC Map 381A Eagle-McDame Area, Cassiar District, 1938.
3. Geological Survey of Canada, Memoir 319, McDame Map Area, Cassiar District, British Columbia, 1963.
4. Mining Review, Erickson Gold Mining, Fred Dawkin, March, April 1981.
5. News items in the NORTHERN MINERA and GEORGE CROSS NEWS LETTER.
6. Geological report on Mineral claims over the Headwaters of Finlayson Creek, Cassiar District, Liard Mining Division, B.C. for Kent Energy Corporation, W.G. Stevenson and Associates Ltd., April 21, 1981.

APPENDIX "E"

W. G. STEVENSON & ASSOCIATES LIMITED
CONSULTING GEOLOGISTS



SEE ATTACHED
DETAIL MAP APPENDIX 'C'

LEGEND	
PLEISTOCENE	CAMBRIAN
Glacial Alluvium	Allin Group
JURASSIC/CRETACEOUS	Dolomite Limestone
Cassiar Intrusives	PROTEROZOIC
DEVONIAN/MISSISSIPPIAN	Good Hope Group
Sylvester Group Greenstone, Chert, Slate, Limestone	Limestone, Gnaphte, Phyllite
ORDOVICIAN/DEVONIAN	MISSISSIPPIAN
McDame & Sandpile Group	Serpentinite
	FAULT
	CONTACT
	VEIN

KENT

GEOLOGICAL PROFILE

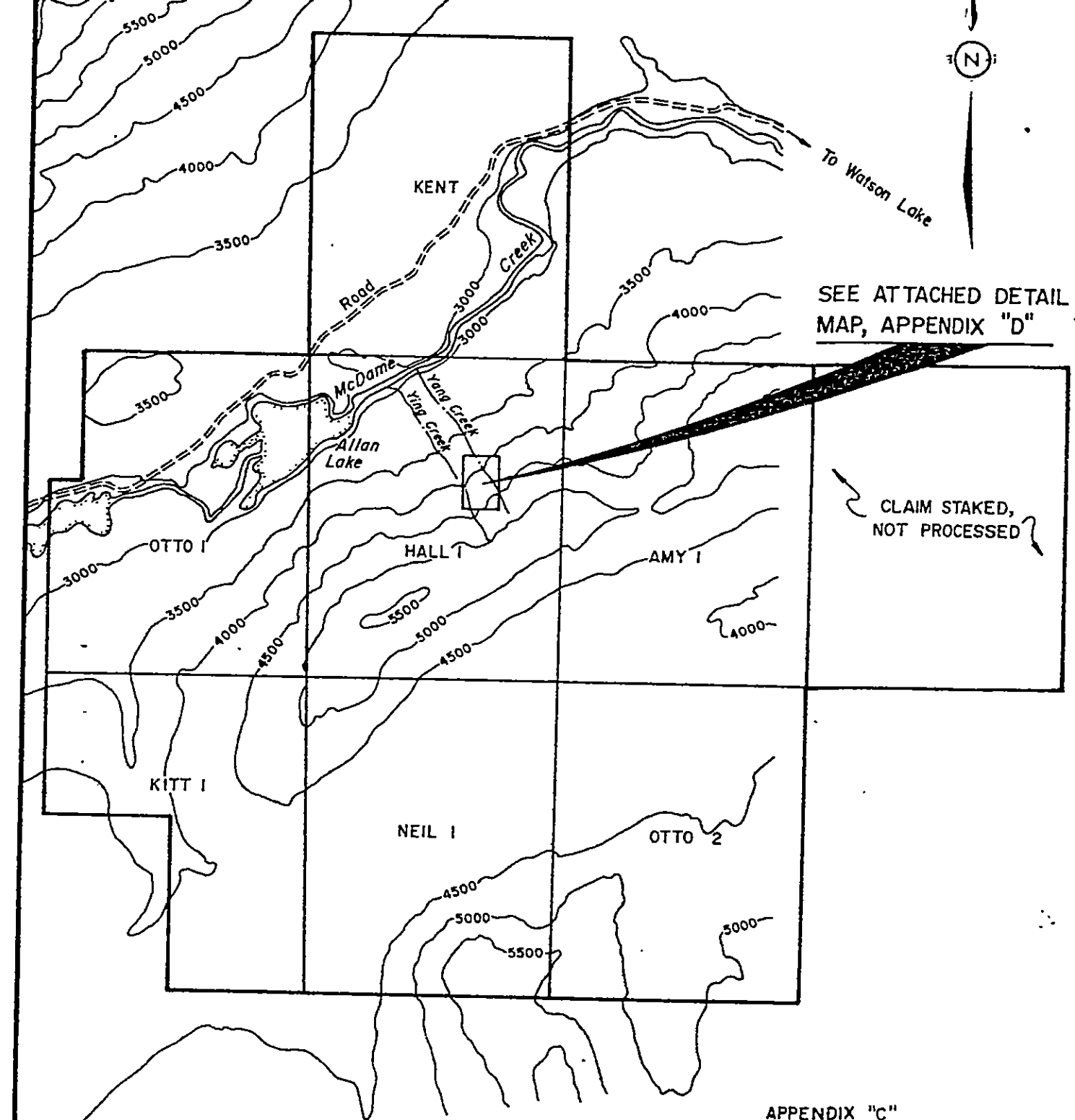
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To Watson Lake

SEE ATTACHED DETAIL
MAP, APPENDIX "D"

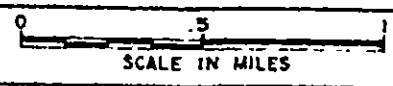
CLAIM STAKED,
NOT PROCESSED



APPENDIX "C"

KENT ENERGY CORPORATION
LIARD MINING DIVISION

PROPERTY MAP



AUG, 1981

WG STEVENSON
& ASSOCIATES - LTD.



Yang Creek

Yang Creek

4000

871,872

75°

90°

869,870

90°

868

65°

866,867

75°

864,865

LEGEND

866 Site of Samples Collected
by W.G. Stevenson, August 1, 1981.

4000 Contour Interval in Feet

APPENDIX "D"

KENT ENERGY CORPORATION
LIARD MINING DIVISION

SAMPLE & ASSAY MAP

1:2400

100 0 100 200 300 400

SCALE IN FEET

AUG, 1981

W.G. STEVENSON
& ASSOCIATES LTD.

TABULATION OF SAMPLE AND ASSAY DATA
 YING AND YANG CREEKS TRIBUTARIES OF MCDAME CREEK, CASSIAR
 DISTRICT, LIARD MINING DIVISION FOR KENT ENERGY CORPORATION
 TO ACCOMPANY REPORT DATED AUGUST 14, 1981 BY W.G. STEVENSON
 AND ASSOCIATES LTD.

SAMPLE NUMBER	LOCATION	WIDTH	DESCRIPTION	ASSAY DATA	
				Oz. per Ton GOLD	SILVER
<u>YANG CREEK</u>					
864	Southwest wall of Creek approximately 4300' elevation	2 meters	Silica carbonate dike S20°W, dips 75°W Collected by Stevenson	0.002	Trace
865	Same location as #864	2 meters	Duplicate of #864 collected by W.G. Stevenson	0.002	Trace
866	Southwest wall of Creek 70 meters northwest (down stream) from 864	2 meters	Quartz vein S15°W dips 65°W Collected by Hensch	0.002	Trace
867	Same Location as #866	2 meters	Duplicate of #866 Collected by Stevenson	0.002	Trace
868	Southwest wall of Creek 50 meters northwest (down stream) from #867	2/3 meter	Quartz vein S20°W dips 90° Collected by Stevenson	0.002	Trace
869	Southwest wall of Creek 5 meters northwest (down stream) from #868	2/3 meter	Quartz vein S10°W dips 90° Collected by Hensch	0.002	Trace
870	Same location as #869	2/3 meter	Duplicate of #869 Collected by Stevenson	0.002	Trace
<u>YING CREEK</u>					
871	Southwest wall of Creek approximately same elevation as #869/870	1 meter	Quartz vein S20°W, dips 75°W Collected by Stevenson	0.002	Trace
872	3 meters northwest down stream from #871	2 meters	Quartz vein S20°W dips 75°W Collected by Stevenson	0.002	Trace

ASSAY CERTIFICATE NO. 8108-0653

APPENDIX "F"



TO:
W.G. STEVENSON & ASSOC. LTD.
 609 - 475 Howe St.,
 Vancouver, B.C.

General Testing Laboratories
 A Division of SGS Supervision Services Inc.

1001 EAST PENDER ST., VANCOUVER, B.C., CANADA, V6A 1W2
 PHONE (604) 254-1847 TELEX 04-807314 CABLE SUPERVISE

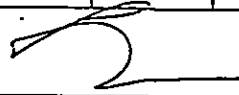
CERTIFICATE OF ASSAY

No.: 8108-0653 DATE: Aug. 13, 1981

We hereby certify that the following are the results of assays on: **ORE**

MARKED	GOLD	SILVER	XXX	XXX	XXX	XXX	XXX	XXX
	Au oz/st	Ag oz/st						
864H	0.002	Trace						
865	0.002	Trace						
866	0.002	Trace						
867	0.002	Trace						
868	0.002	Trace						
869	0.002	Trace						
870	0.002	Trace						
871	0.002	Trace						
872H	0.002	Trace						

NOTE: REJECTS RETAINED ONE MONTH PULPS RETAINED THREE MONTHS ON REQUEST PULPS AND REJECTS WILL BE STORE FOR A MAXIMUM OF ONE YEAR
 ALL REPORTS ARE THE CONFIDENTIAL PROPERTY OF CLIENTS. PUBLICATION OF STATEMENTS, CONCLUSION OR EXTRACTS FROM OR REGARDING OUR REPORTS IS NOT PERMITTED WITHOUT OUR WRITTEN APPROVAL. ANY LIABILITY ATTACHED THERETO IS LIMITED TO THE FEE CHARGED

L. Wong 
 PROVINCIAL ASSAYER

Analytical and Consulting Chemists, Bulk Cargo Specialists, Surveyors, Inspectors, Samplers, Weighers

MEMBER: American Society For Testing Materials • The American Oil Chemists Society • Canadian Testing Association
 REFEREE AND/OR OFFICIAL CHEMISTS FOR: National Institute of Oseed Products • The American Oil Chemists' Society
 OFFICIAL WEIGHMASTERS FOR: Vancouver Board Of Trade

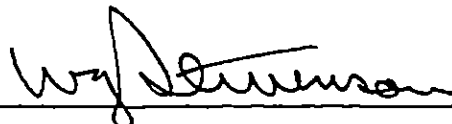
CERTIFICATE

I, WILLIAM G. STEVENSON, DO HEREBY CERTIFY:

1. THAT I am a Consulting Geological Engineer with offices at Suite 609, Crown Trust Building, 475 Howe Street, Vancouver, British Columbia.
2. THAT I am a graduate of the University of Utah 1946, with a Bachelor of Science Degree.
3. THAT I am a registered Professional Engineer in the Association in British Columbia.
4. THAT I have practised my profession for more than 25 years.
5. THAT I hold no direct or contingent interest in the mineral claims over the headwaters of Finlayson Creek, Cassiar District, Liard Mining Division, B.C., nor in the securities of Kent Energy Corporation, nor do I intend to receive any such interest.
6. THAT this report is based on a review of published maps and reports and on an examination of this property April 7-8 and July 31-August 1, 1981.
7. Let this serve as my consent to incorporate the above-mentioned report into the prospectus or Statement of Material Facts being prepared for submission to the Vancouver Stock Exchange and/or the B.C. Securities Commission.

DATED at Vancouver, British Columbia, this
fourteenth day of August 1981.

W.G. STEVENSON & ASSOCIATES LTD.
Consulting Geologists



W.G. Stevenson, P.Eng.

82-128

THE CASSIAR PROJECT
A Preliminary Exploration

TIM HENSCH


PREAMBLE

Each claim, Otto 1, Hall 1, et al, is composed of unit which are five hundred meters square. Peripheral measurements are two thousand meters east-west and twenty-five meters north-south. Mineral Act Regulations require that each unit be numbered with respect to the claim's legal corner post. In order to facilitate a quick overall feeling for positions in each claim, I have numbered the units from 1 to 20. The sequence is as follows;



17	18	19	20
16	15	14	13
9	10	11	12
8	7	6	5
1	2	3	4

500 m



INTRODUCTION

During the years 1874 to 1875, \$1,155,000 worth of placer gold was taken from the McDame drainage area in north-western British Columbia. The largest nugget recovered achieved seventy-two ounces. Recently a thirty-two ounce nugget was discovered in a sluicing operation at Atlin, some sixty miles west of Cassiar. The placer gold is thought to have been released from the quartz veins in volcanic members of the Sylvestor Group (1). By 1934, the economics of milling free gold out of these quartz veins would support small mining ventures. Recent strength in world gold prices has spurred further interest in hard rock mining for gold. Today's benchmark for a feasible mining operation is .20 ounces of gold per ton of ore.

The Cassiar Exploration Project undertaken on behalf of Kent Energy Ltd. involved seven claims of twenty units each. This seven thousand two hundred acre block of land is located in the heart of the Cassiar gold mining area with McDame and Finlayson Creek flowing through it. Two claims representing two thousand acres were subsequently staked to buffer the eastern boundary of the properties.

Wayne Bowman and the author constituted the main exploration party as organized by Messrs. George Hall and Lou Gall. Paul Urbanovitch contributed to the proceedings in that it was thought he had originally staked the claims.

Of initial concern was the confirmation of claim staking. The primary object of the prospectors was to locate, map and evaluate any mineralized outcrops. While gold is the mineral of concern, other sulphides exist in economic quantities. These include: Copper, Lead, Molybdenum, and Nickel. Asbestos, Silver and Tungsten also occur. In prospecting the party looked for veins of massive primary quartz or rusty stringers of vuggy diagenetic quartz in which the possibility of amygdaloidal mineralization exists. In this area gold bearing quartz veins have been pyritized and carbonatized. Gossan, a reddish stain caused by the decomposition of pyrite, and the buff colored wall rocks are considered to be the most obvious prospector's guide in the search for gold.

Aside from mapping and prospecting, a programme of soil sampling and geo-chemical analysis was initiated along the Finlayson Showing. A baseline and picket lines were established to carry out this investigation (2).

1 map 1110A Geology of McDame Area Geological Survey of Canada

2 refer to map of Finlayson Showing

LOCATION AND LEGALITIES

The area of concern represents some nine thousand acres of ground concentrated in one block (see accompanying maps). These claims are located in north-western British Columbia at 129 degrees 30 minutes to 129 degrees 40 minutes longitude, 59 degrees 10 minutes to 59 degrees 20 minutes latitude. Mineral claim maps of the area are coded: 104 M/4E, 105 M/E, 104 M/6E, and 1110A of the Geological Survey of Canada.

A convenient method for locating the claims is as follows: the legal corner posts for Otto I, Duff, Hall I, and Leckie I, are visible on the north side of Highway 37 approximately five kilometers east of the junction between Cassiar and Dease Lake. A gravel stock-pile on the south side of Highway 37 provides a physical land mark to this location.

All claims are recorded in the Laird Mining District. The following table presents a tabulation of pertinent information regarding the claims:

<u>CLAIM NAME</u>	<u>TAG NO.</u>	<u>DATE RECORDED</u>	<u>VALIDATION</u>	<u>EXPIRY DATE</u>
Duff I	32144	80/02/18	P50271-50290	82/02/18
Otto I	41520	80/03/03	C/L 726	82/03/03
Hall I	41519	80/03/03	C/L 726	82/03/03
Amy I	41522	80/03/03	C/L 726	82/03/03
Kitt I	41534	80/03/26	P63850-63869	82/03/26
Neil I	41537	80/03/26	P63830-63849	82/03/26
Otto II	41538	80/03/26	P63870-63889	82/03/26
Staked but not processed:				
Hall II	66067	81/07/23		
Kent II	66082	81/08/11		

CLAIM DESCRIPTIONS

Duff: The Duff claim is divided by Highway 37. It is drained by McDame and Hot Creeks, as well as several intermittent streams. This area is generally covered with glacial till. A placer operation in the district has cut trenches fifteen feet into the overburden without hitting bedrock. Sand hills without bedding features occur in the southeast corner, while the central portion of the claim is covered by a marshy topsoil overgrown with willows. This combination of features would suggest the area was once covered by a glacial lake. Along McDame Creek there are outcrops of silicious dolomite and crystalline arenite. The southern boundary of Duff is typically glaciated with kettles and kames. A terminal moraine has created a bluff in the northeast corner of the claim. Evidence of previous exploration on the property takes the form of overgrown cutlines and trenches. Overall the hardrock possibilities of this property appear limited.

Otto I: North of Highway 37 Otto I displays the ruinous scars of glaciation. Outcrops of weathered greenstone occur along the southern shore of the unnamed lake and continue in a southeast trend through the kame illustrated on the sketch map. These beds are part of the McDame Synclinorium, but have been scoured and overlain by glacial action along the valley of the McDame Creek. Just south of Highway 37, the terrain becomes marshy and is fed water by run-off streams as well as Finlayson Creek. Topography becomes mountainous toward the southern line as elevation increases from seven to thirteen hundred meters. Once south of the glacial valley, outcrops of greenstone are again visible. Argillates also outcrop along the Finlayson Creek on Otto I. The most promising area of prospect on Otto I is deemed to be the mountainous region south of the glacial scar which has become McDame Creek. Bochuk I occurs on this set of units. Toward the southwest boundary samples of mineralized greenstone were collected. Some quartz stringers were also observed in this area. Otto I is a claim with potential.

Hall I: This claim, like Otto I is scoured on its northern boundary, but ascends toward the south. The mountain slope is heavily

treed with five major run-off gulches. Within these gulches is a two hundred meter wide unit of silicious arenite. Interpretive geology suggests this unit runs in a northeast trend across the Kitt and Hall I claims for a mean distance of two kilometers. If evidence of economic mineralization is encountered within this unit, a mineable ore body has been discovered. Hall I along with Kitt represents the brightest prospect in the group. Other outcrops above the tree line on Hall I are typically a satin slate or metamorphosed sediment which contains only traces of sulphide mineralization.

Amy I: To the northwest, the claim is covered by north trending glacial moraines. Moving south, elevation increased to fifteen hundred meters. Above the tree line are numerous accumulations of talus. Outcrops in the area are not similar to those on Hall I but are rather more slatey. The bedding has a northwest trend and dips fifty to seventy degrees toward the north. An outcrop of serpentinite was located on Amy I as well as a two meter wide vein of low grade jade. This area would seem to offer more likelihood of a sulphide assemblage than a gold/silver deposit.

Hall II: Only the southwestern corner of these units provides any appreciable outcrop. The structure and composition of visible bedding is very similar to Amy I. Glacial action has scoured the eastern half of the property. Outcrops on the southwest corner display a cherty nature. The mineralization include antigorite which is a type of serpentinite known as asbestos. This did not occur in substantial amounts. Hall II does not present exciting economic possibilities but does serve to buffer the eastern boundary of the claim.

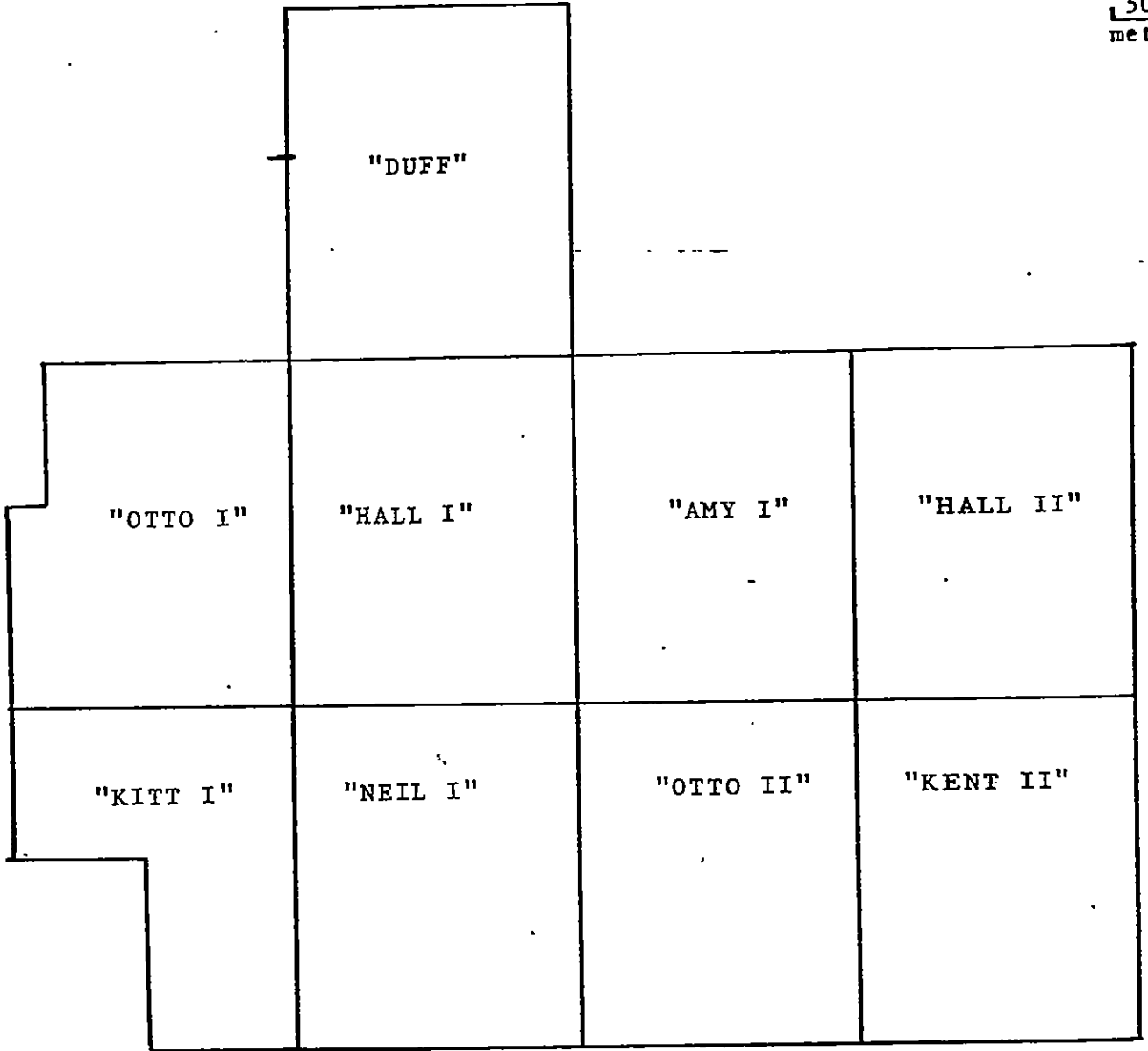
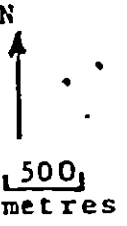
KITT I: Finlayson Creek runs through the western portion of Kitt I. Elevation deviated from seven to fifteen hundred meters as one traverses over the creek bed and up the mountainous interior. The axis of the McDame Synclinorium occurs along the Finlayson so that structure follows a repetitive nature. Outcrops of silicious arenites argillates and andesites are visible in what has been named the Finlayson Showing. It is assumed that this unit is related to the showing on Hall I. Because of this interpretation Kitt is recognized as a prime prospect within the group of claims. The southern area of

Kitt I has been scoured by glaciers and covered by till. It is flat, low land which is described locally as Cariboo Pass.

Neil I: Neil I has silicious outcrops within the mountainous area of the south. The bedrock is still part of the Sylvester Group, but contains more calcite than other outcrops in the group. Neil I's position is directly in line with the Vollaug Vein. This contiguous location enhances the worth of this claim.

Otto II: The northern area of Otto II is heavily wooded. The outline of the creek flowing through the area reveals that the bedrock is metamorphosed quartzites. Bedding has a northwest trend with a vertical attitude. It is highly jointed which suggests the area has been deformed by syncline formation. To the south, Otto II is covered by a glacial cirque which nestles between two mountain peaks. Economic potential within this group of units is limited.

Kent II: This property was not prospected to a satisfactory degree. cursory investigation suggests the bedrock contains resistant carbonates and that the property lies beyond the synclinalorium. Neighbouring claims are being prospected for tungsten and chromates. Blackfox Mountain peaks on this claim so that exploration and any subsequent development would be questionable.



"DUFF"

"OTTO I"

"HALL I"

"AMY I"

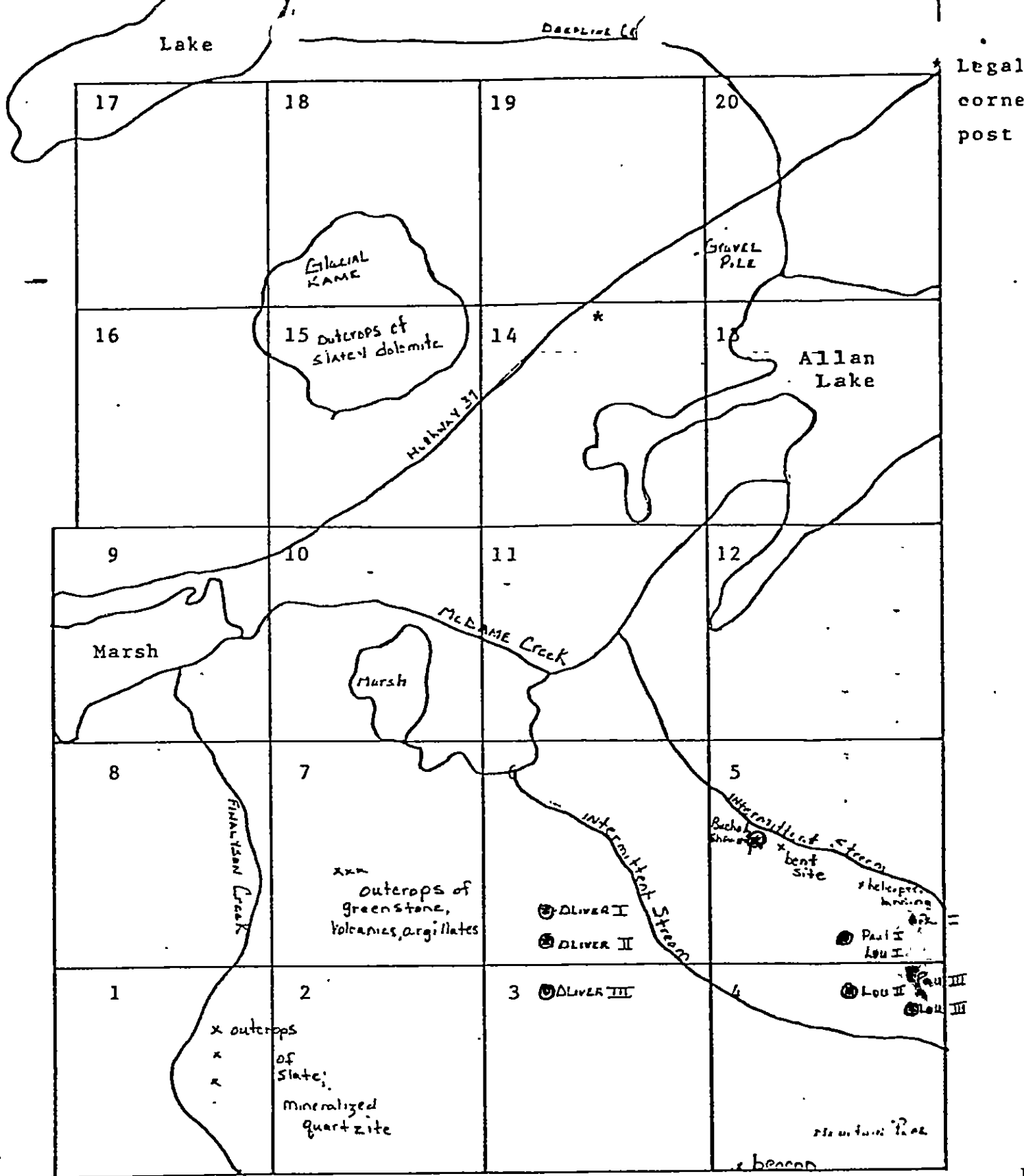
"HALL II"

"KITT I"

"NEIL I"

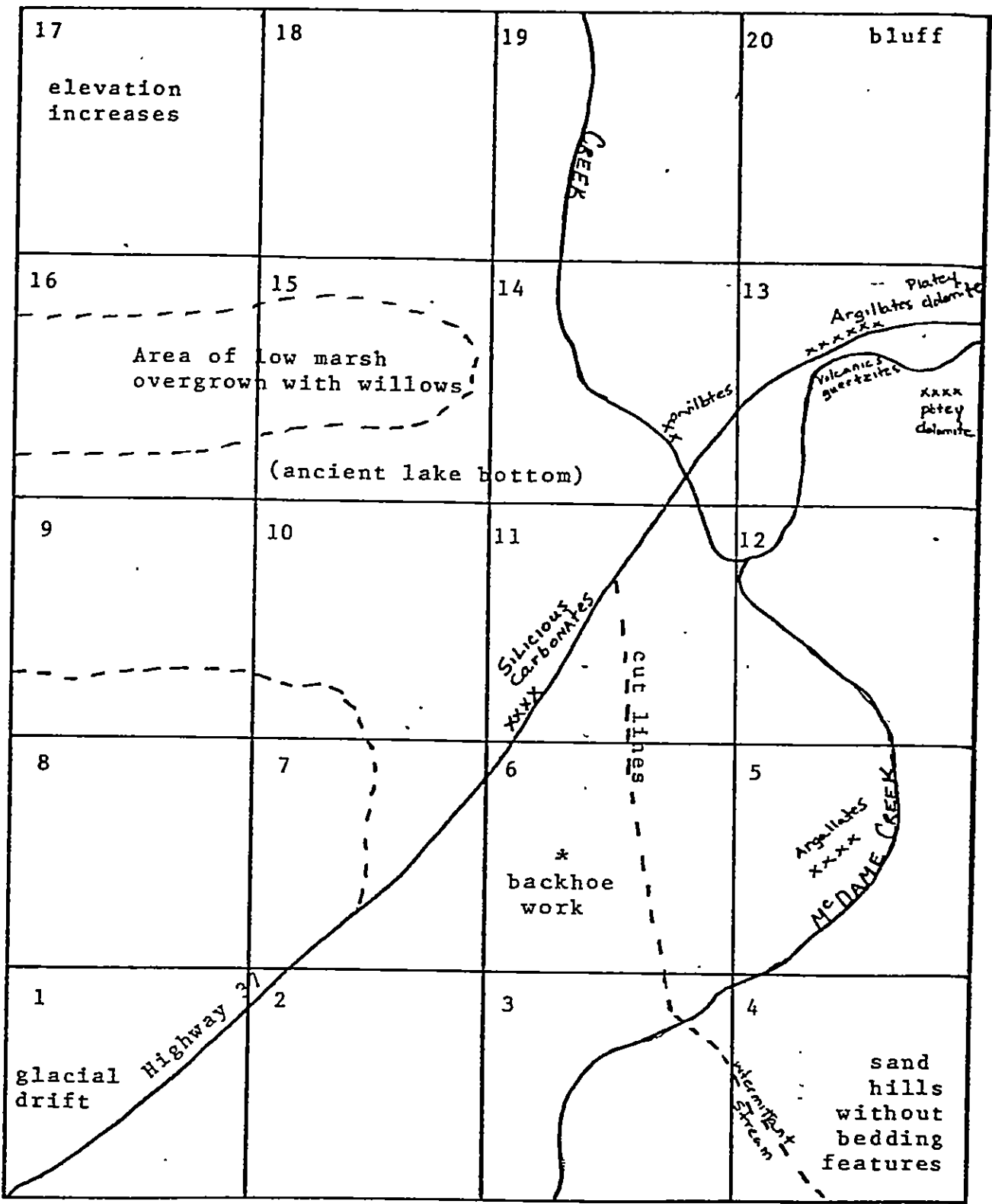
"OTTO II"

"KENT II"



500 metres

"OTTO I"

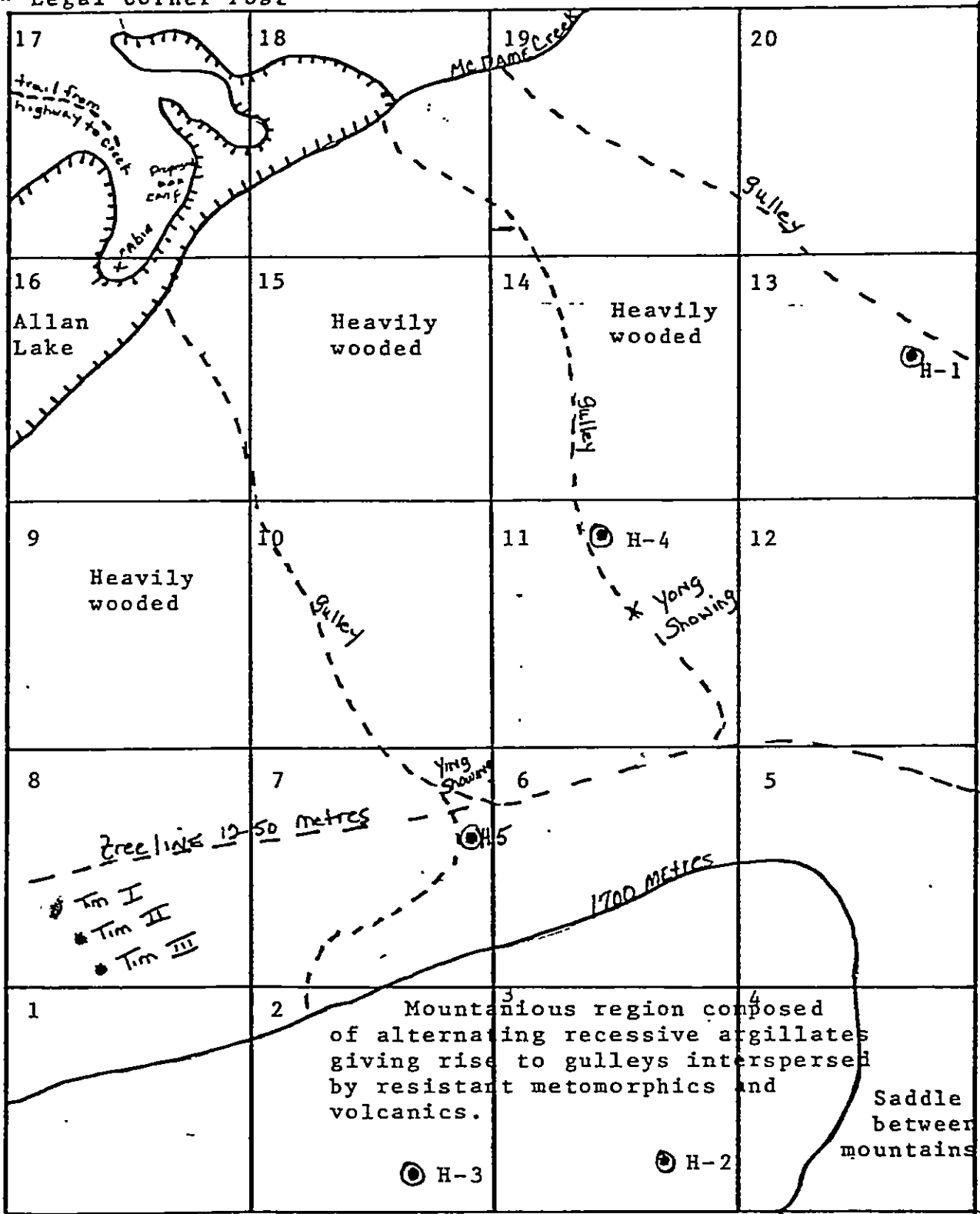


X Legal corner post

"DUFF"

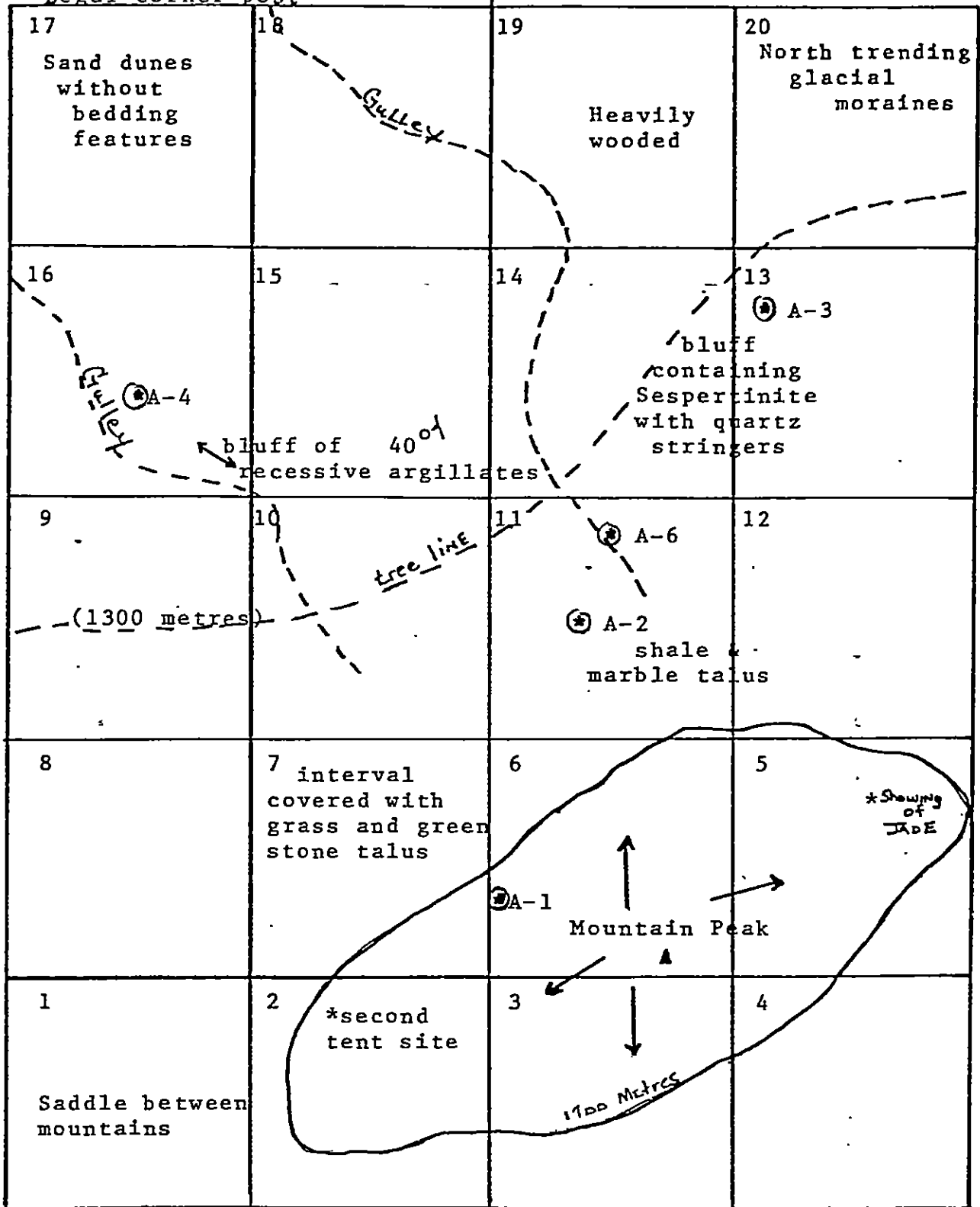
500 metres

* Legal Corner Post



"HALL I"

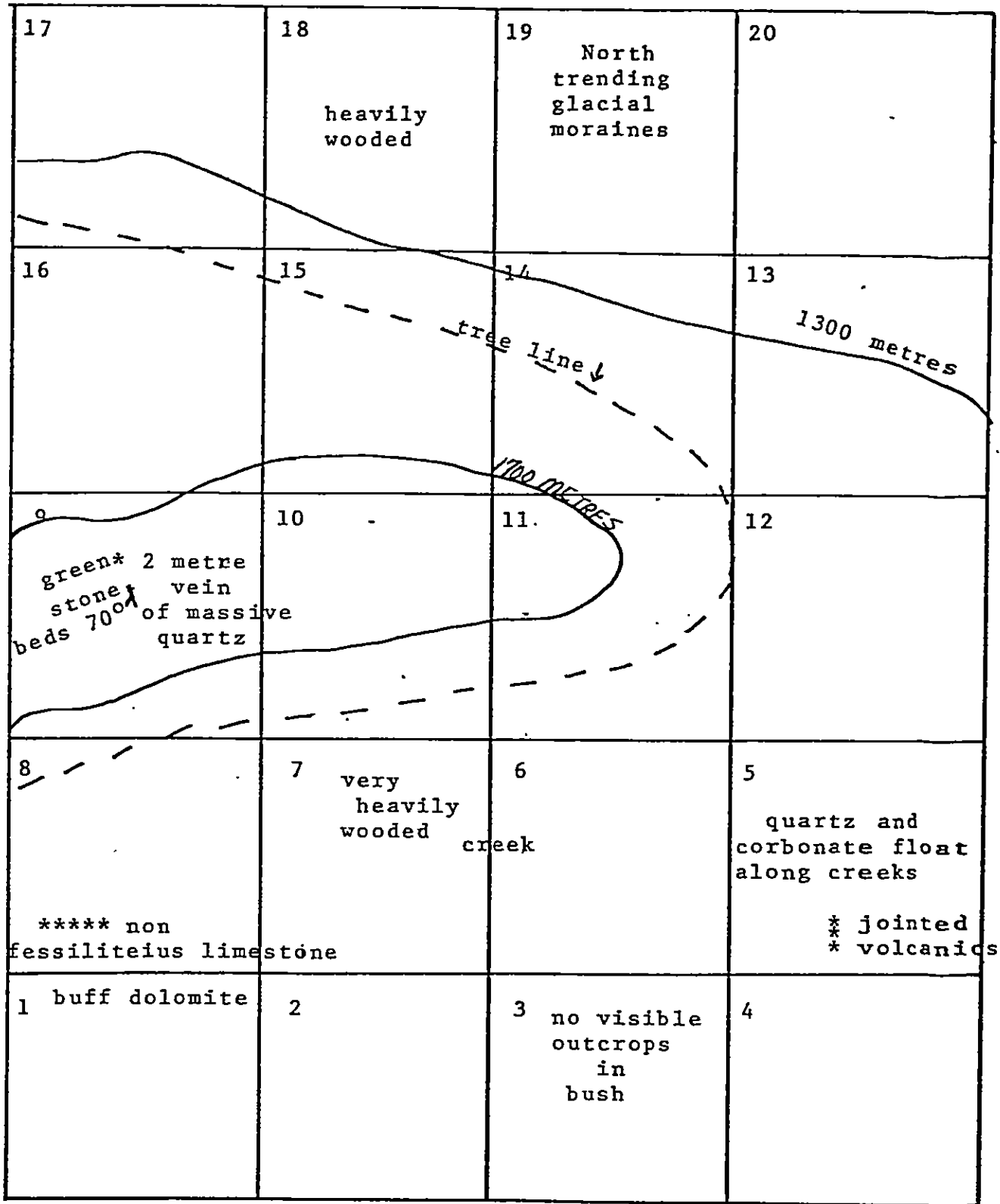
* Legal corner post



"AMY I"

500 metres

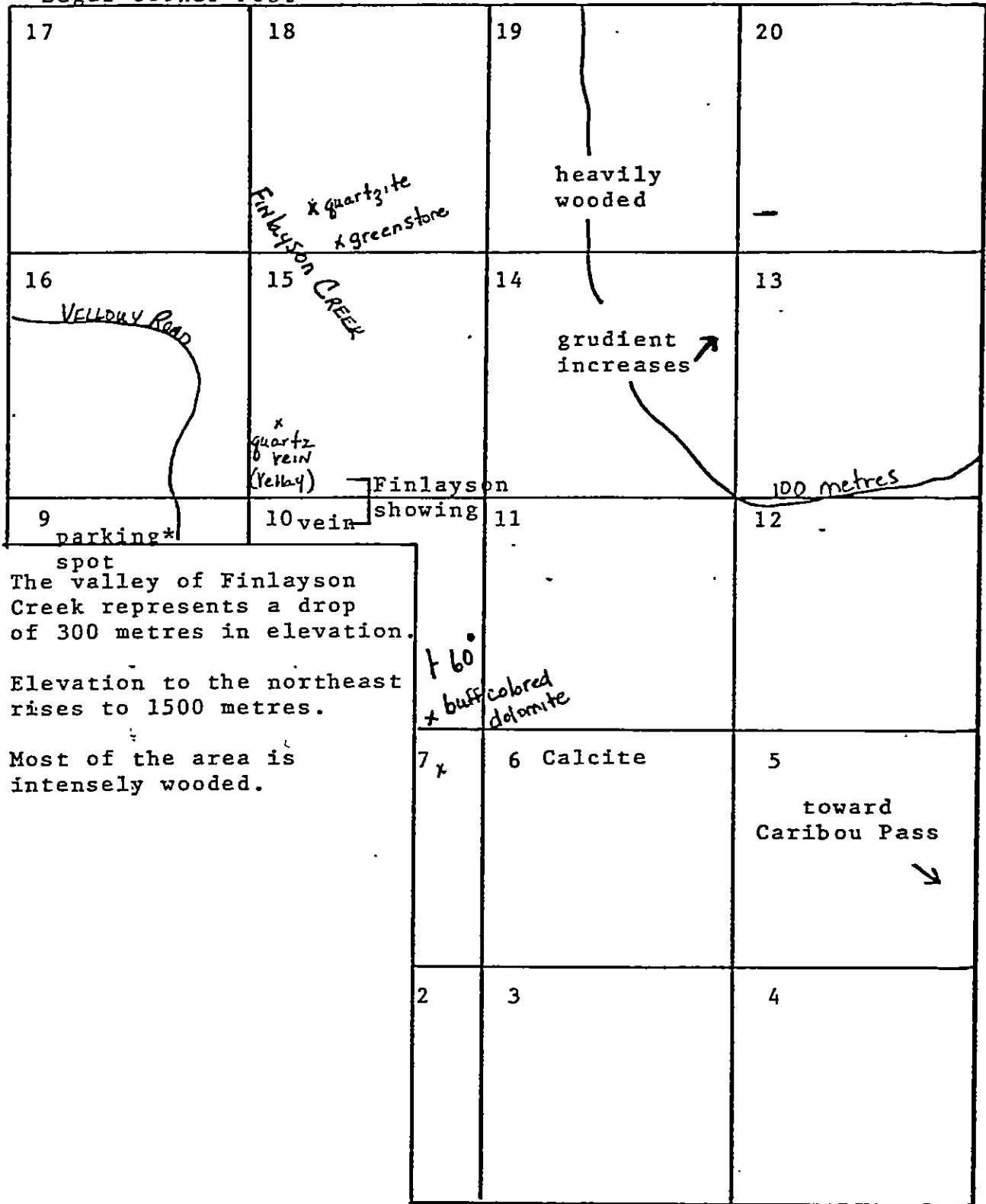
* Legal Corner Post



"HALL II"

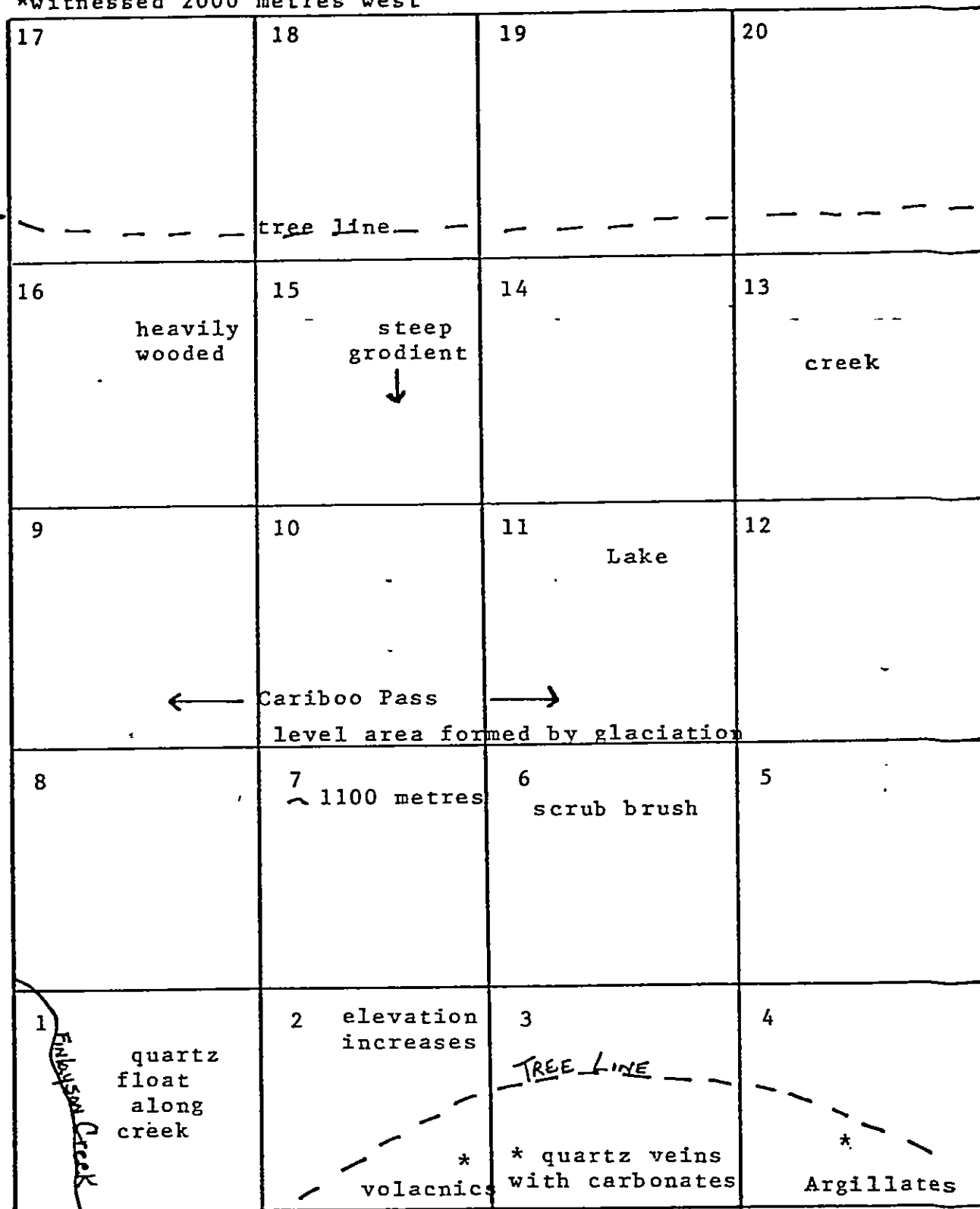
500 metres

* Legal Corner Post



spot
The valley of Finlayson Creek represents a drop of 300 metres in elevation. Elevation to the northeast rises to 1500 metres. Most of the area is intensely wooded.

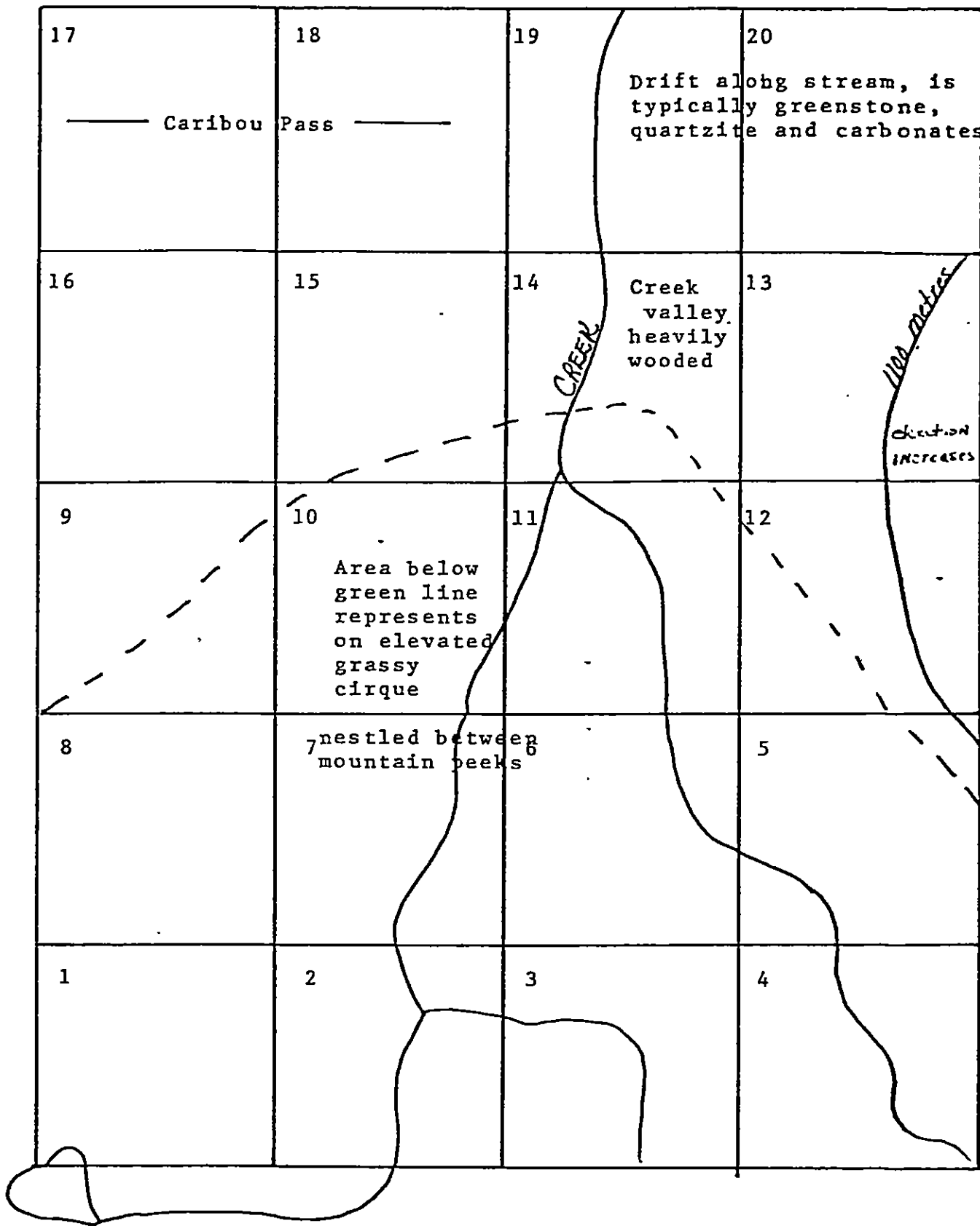
Legal corner post
 *witnessed 2000 metres west



500 metres

"NEIL I"

Legal corner poi
*Witnessed 4000 metres west



"OTTO II"



* Legal corner post

17	18	19	20
16	15	14	13
9	10	11	12
8	7	6	5 Peak of Black- *fox Mountain
1	2	3	4

500 metres

"KENT II"
(not prospected)

PHYSICAL GEOLOGY (3)

The area of the claims spans an elevation from 800 to 2200 metres. Lower levels occur in the vicinity of McDame and Finlayson Creek. Mountainous intervals, (underlain by resistant sediments and volcanics) jut out on the southern boundary of Otto I, Hall I and Amy I. Maximum elevation is achieved by Blackfox Mountain which is located on the Kent II claim.

Overall, claim ground below 1800 meters is heavily wooded to the extent that bedding trends are difficult to discern. Vegetation consists primarily of deciduous trees. Low bush strawberries, blueberries, broom grass and firewood are also visible. Snow cover in high areas persists through the summer.

Much of the area is covered by glacial drift, which is a mixture of clay-sized particles to boulders. It is a poorly sorted cover of variable depth. An outcrop of black carbonate rock occurs on the Duff claim. All other outcrops are as described by the Geological Survey of Canada as the Sylvester Group. These include greenstones, chert, quartz, and recessive brown-red argillate/arenite. Veins of diagenetic quartz occur in the void spaces of jointed, metamorphosed volcanics. These members will typically display flow-oriented breccia or common volcanic geopetal features. The predominant color of the rock is green, and the texture has a massive, aphanitic nature. Readily visible mineralization of the quartz veins contains pyrite, chalcopyrite and arsenopyrite. These minerals are considered to be indicative of gold-bearing ore.

3 A full description of rock types may be obtained from map 1110A of the Geological Survey of Canada.

Gold quartz veins occur in an eight kilometer wide strip of jointed greenstone. This tunnel stretched from Pooley Creek toward Quartzrock Creek (4). All four major veins producing gold and/or tetrahedrite silver in the area fall in this tunnel, displaying a general north-east trend. Existence of the quartz veins appears to be controlled by jointing. In this area jointing occurs along the McDame Synclinorium which seems to coincide with the trend of the Stikine Mountain Range.

(The accompanying map illustrates the occurrence of jointed greenstone in relation to claim positions.) The contact zone of the Cassiar Batholith is also shown on the map as this zone is a major area of sulphide mineralization.

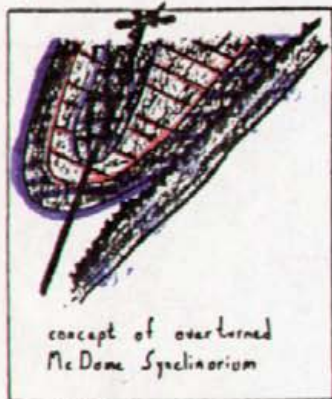
The geological structure map depicts the McDame Synclinorium, composition of an attitude of beds along the axis of the feature. A member change occurs on a line perpendicular to the saddle between the mountains on Hall I, and Amy I. (This is indicated on the map by a dashed line.) Evidence of a minor anticline and drag folding exists in this area. Outcrops east of the saddle take on a slaty nature. The treeline on Amy I is lower than on Hall I. As well, the incidence of talus and the degree of erosion is much greater on Amy I than on Hall I. When these observations are correlated with the outcrop of black dolomite on Duff, it may be suggested that a thrust fault has disrupted the continuity of bedding which originates in the synclinorium by thrusting serpentinite and intrusives from the McDame Group over the Sylvester Group. Further support for this structural interpretation is the change in attitude of the beds east of the saddle vis-avis west.

(4) See accompanying structural maps.

GLACIAL DRIFT
 RECESSIVE ARGILLATE
 GREENSTONE, QUARTZITE
 SLATE, GREYWACKE
 LIMESTONE, DOLOMITE
 CONTOUR INTERVAL 500 feet
 152 meters



USOP 200000

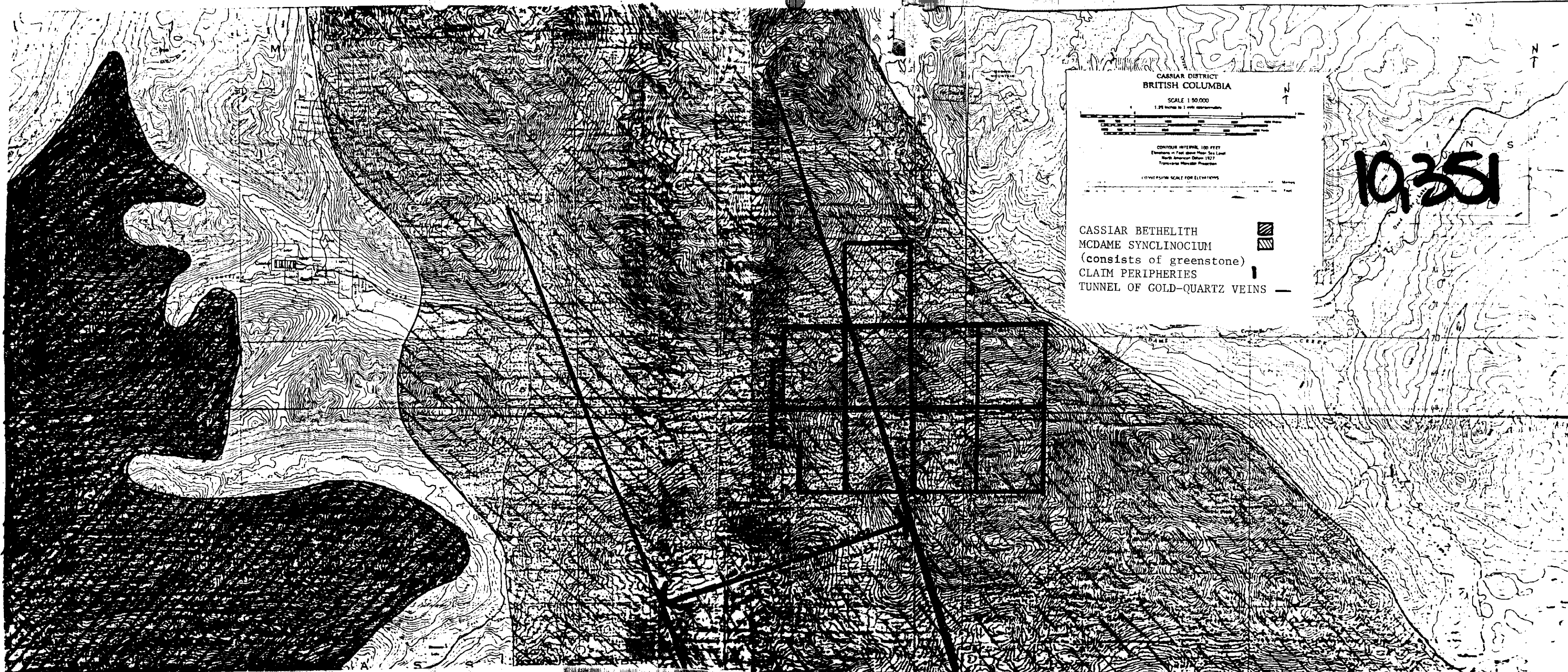


concept of overturned
McDome Synclinorium

Geological Map With
Property Outline

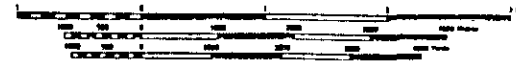


McDome Synclinorium



CASSIAR DISTRICT
BRITISH COLUMBIA

SCALE 1:50,000



CONTOUR INTERVAL, 100 FEET
Elevations in Feet above Mean Sea Level
North American Datum 1927
Transverse Mercator Projection

CONVERSION SCALE FOR ELEVATIONS

CASSIAR BETHELITH
MCDAME SYNCLINOCIUM
(consists of greenstone)
CLAIM PERIPHERIES
TUNNEL OF GOLD-QUARTZ VEINS

10,351

SUMMARY

The three areas of immediate interest are the Ying, Finlayson, and Yang showings (see sketch map for locations). These showings indicate a three hundred meter unit of porphyritic andesite and argillate shot with quartz. The quartz occurs as stringers and in vein up to six meters in width. Pyrite and chalcopyrite are present with the quartz. Field assays from the Ying showing yielded 0.212 gold and 0.12 silver (5).

The unit has a north-west trend and dips from 50 degrees to vertical. It appears that the Finlayson, Ying and Yang Showings are related in terms of strike, composition and structure of the host rock. If this premise is correct, the unit runs through the mountain located on the Hall I, Otto I and Kitt I claims.

Chip sampling and geo-chemical analysis was carried out on the Finlayson showing. In order to block out the full extent of the unit it is necessary to initiate a blasting programme on the showing.

Outcrops of black dolomite occur on the Duff claims and silicious serpentinite on Amy I. Both areas require further evaluation.

All samples were assayed for gold and silver. Where conditions dictated, samples were also assayed for barite, molybdenum, platinum, chromium and nickel. To date all assays have come back as trace.

Doug Irish, representing Sur Tech Ltd. of Whitehorse, was engaged to blaze all property lines of the claims. This project was carried out; 81/08/08 to 81/08/12.

Much of the property is covered by glacial drift so that prospecting is of limited value. The mineralized outcrops contained visible calcite, pyrite, chalcopyrite and chromium. Any possibility of economic ore is thought to lie along the line of strike of the Finlayson, Ying and Yang Showings.

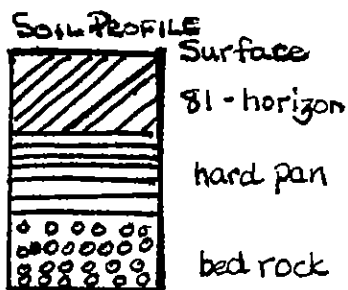
(5) Field assays were done by Erickson Gold Mines Ltd.

The major showings of quartz veins on the property occur on Hall I, and Kitt I. Each showing, the Ying, Yang and Finlayson have been positioned by sketch maps.

As these are the areas of interest, the exploration party measured a section along the Ying and Finlayson Showings, Chip samples -- comprehensive sampling along the face of each quartz vein -- were collected. Geologic interpretation of bedding features was recorded. The following sectional sketches are to help the reader visualize each showing and to pinpoint the area from which each sample was obtained.

To further investigate the Finlayson showing a geo-chemical grid was laid out and a restricted programme of silt and geo-chemical sampling was initiated. (Accompanying sketch maps illustrate the position of the grid as well as the numbering system for samples).

The Finlayson Showing represents a unit of jointed greenstones and argillates shot with quartz veins trending north 30 degrees east. On the grid the baseline runs parallel to the strike of unit beds. Each picket line runs perpendicular to the baseline for three hundred meters with station intervals at twenty-five meters. The first picket line borders Finlayson Creek with successive picket lines occurring every one hundred meters to the east.



Theory behind geo-chem states that minerals in an area will dissolve and be transported by meteoric groundwater. The minerals will be deposited at the base of the B-1 horizon as the groundwater percolates through the soil. By systematically sampling the B-1 horizon 15 to 20 cm below the surface, the extent and composition of mineralization of contiguous bedrock may be determined.

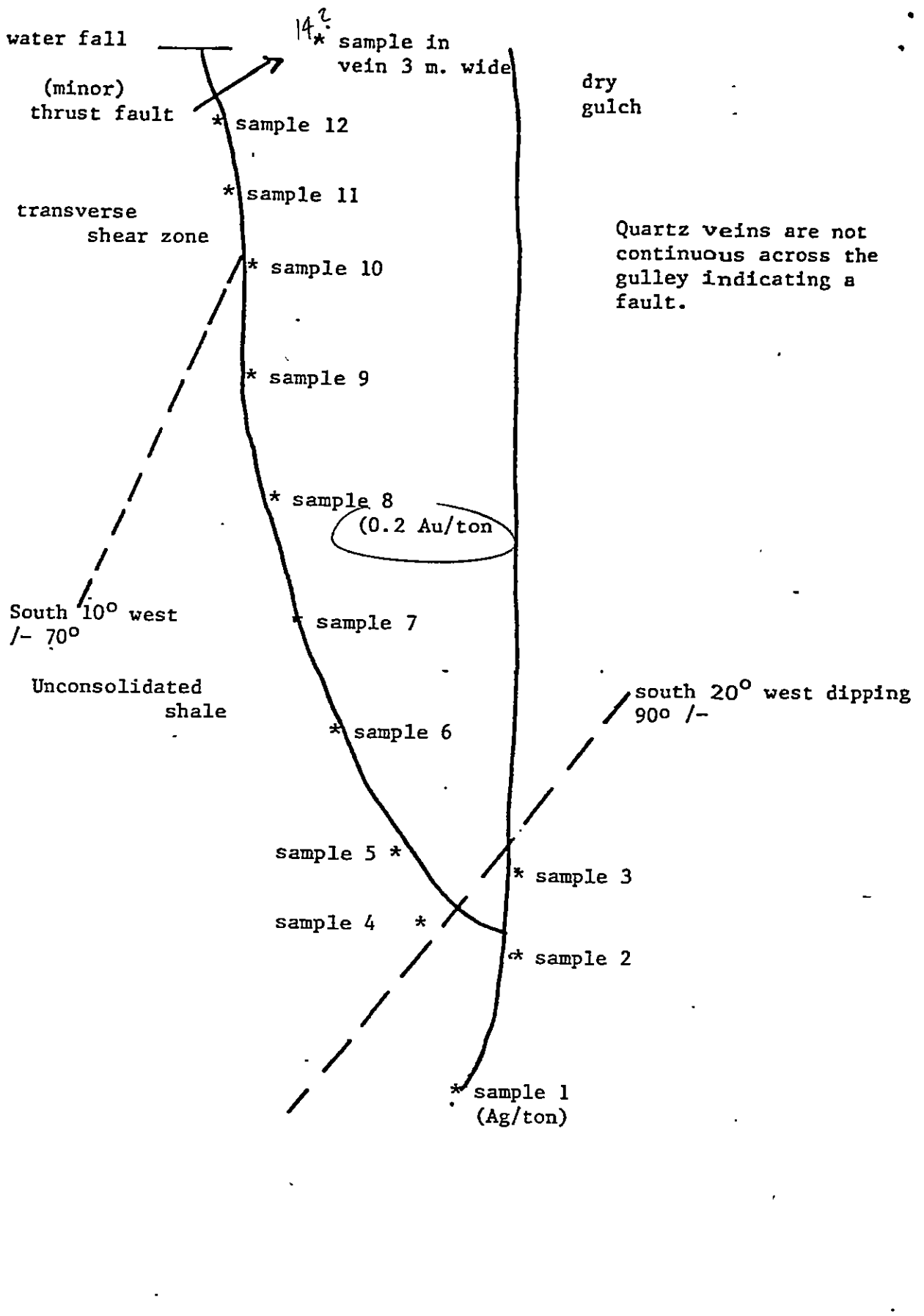
YING SHOWING (3)

10m

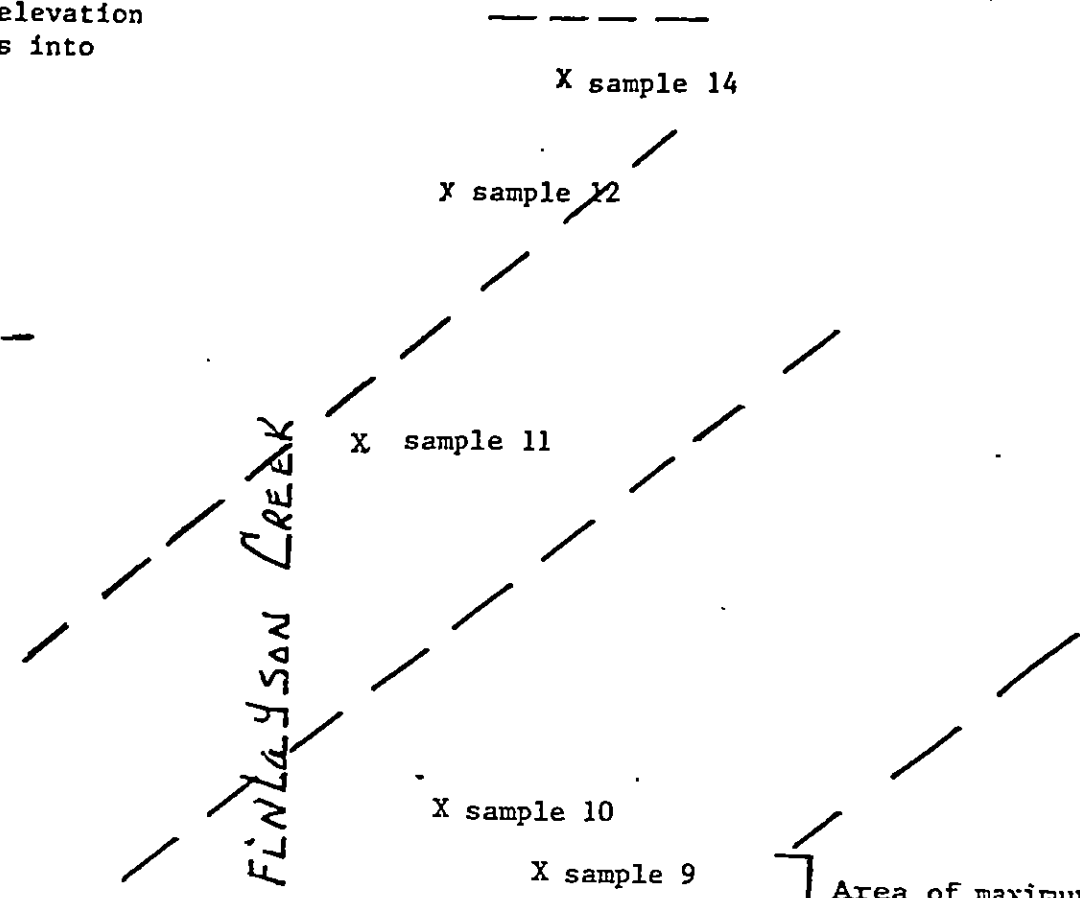
8

8

Start



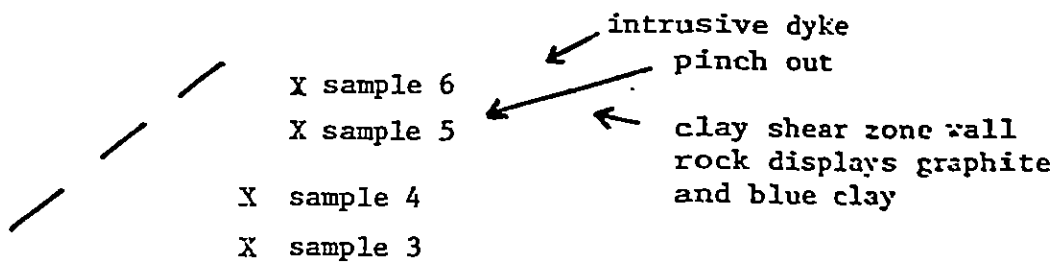
← To Vollaug Road elevation
drops N300 metres into
Finlayson Creek



○ Overall the bedding strikes
North 20 - 30 ° east.

Some veins dip sharply

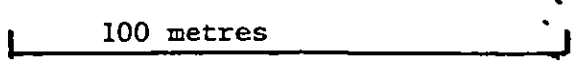
X sample 7 start to pick up gossan



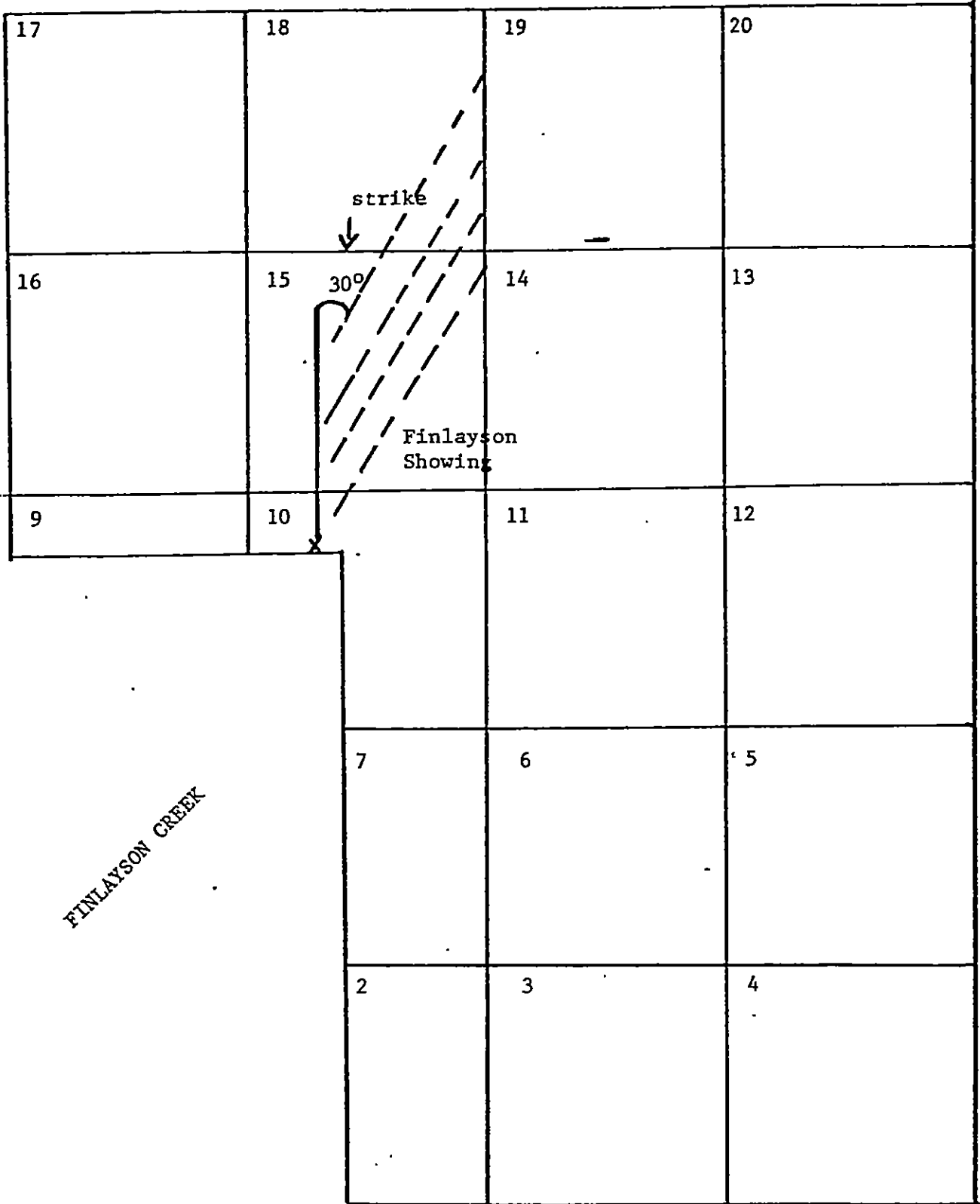
X sample 2 50° vein 5 metres wide

X sample 1

----- Start (marked by gulch)



Finlayson showing



500 metres

Geochem Grid
Super imposed on
Finlayson Showing



FINLAYSON CREEK

Width of section 300 metres

100 metres

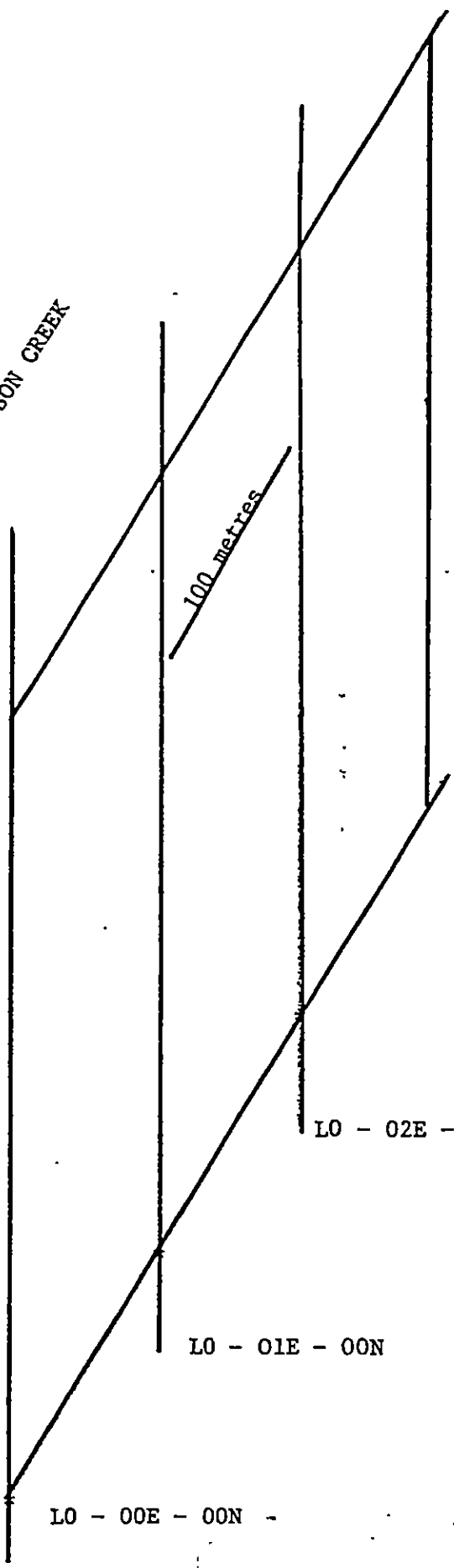
baseline parallel to strike of beds

LO - 02E - 00N

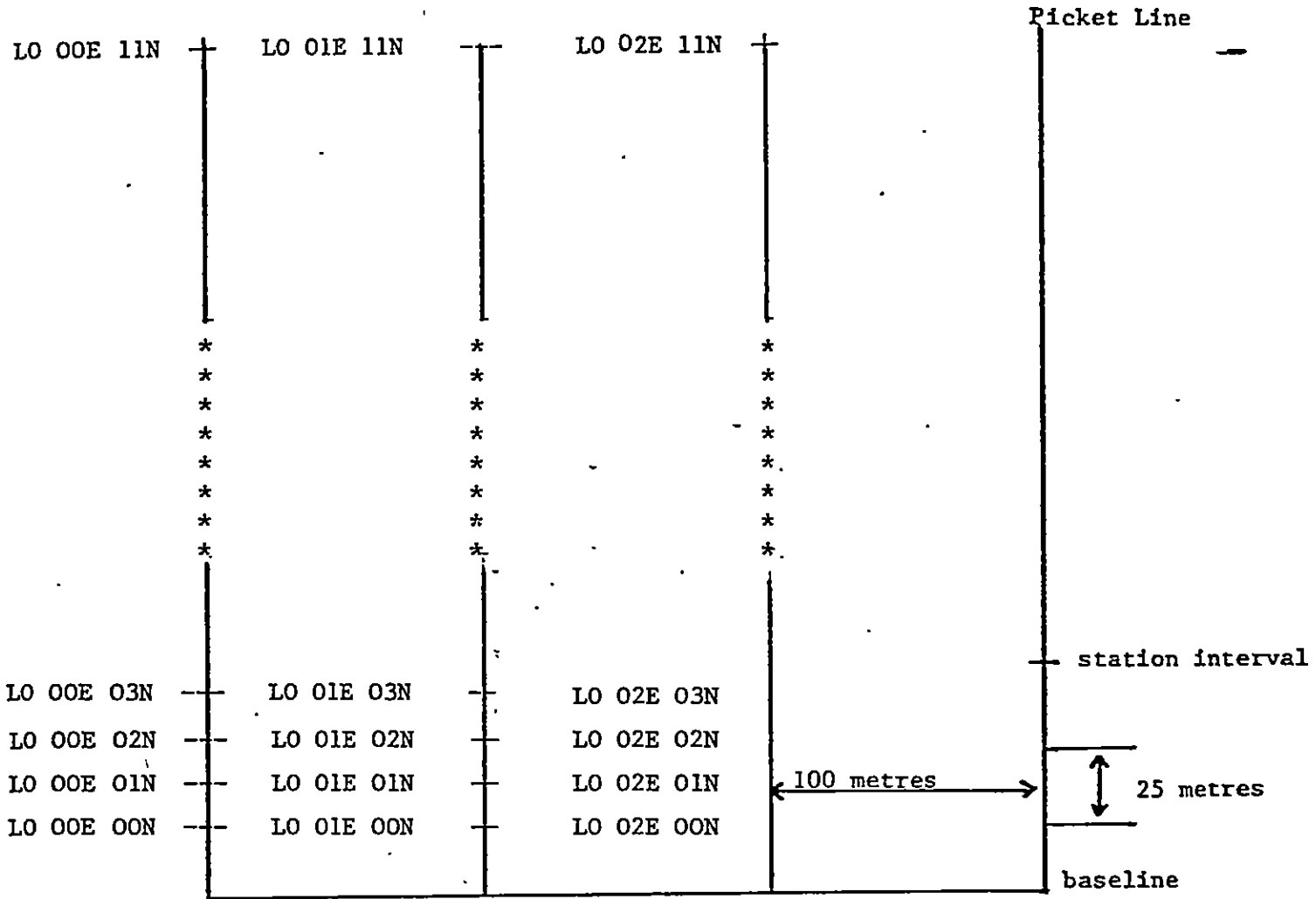
LO - 01E - 00N

LO - 00E - 00N

100 metres



NUMBERING SYSTEM FOR GRID ON FINLAYSON SHOWING



100 metres

CONCLUSIONS AND RECOMMENDATIONS

At the time of writing, final assessment sampling and the geochemical programme was not available. However, several facts exist which support continuation of this project next year. These are:

- (a) location of claims contiguous to producing mines.
- (b) the presence of mineralized quartz veins within the Sylvestor Group on the Hall and Kitt claims.
- (c) the presence of placer gold in McDame Creek which flows through the claims.
- (d) continued strength in world gold prices.

Interpretation of geological structure in the claim area supports the premise that the Finlayson, Ying and Yang showings are part of the same silicious unit.

Discussions with technicians employed on neighbouring properties have emphasized the erratic nature of gold deposits within quartz veins. Therefore, numerous reject or void samples may not be a valid indication that the property lacks economic potential..

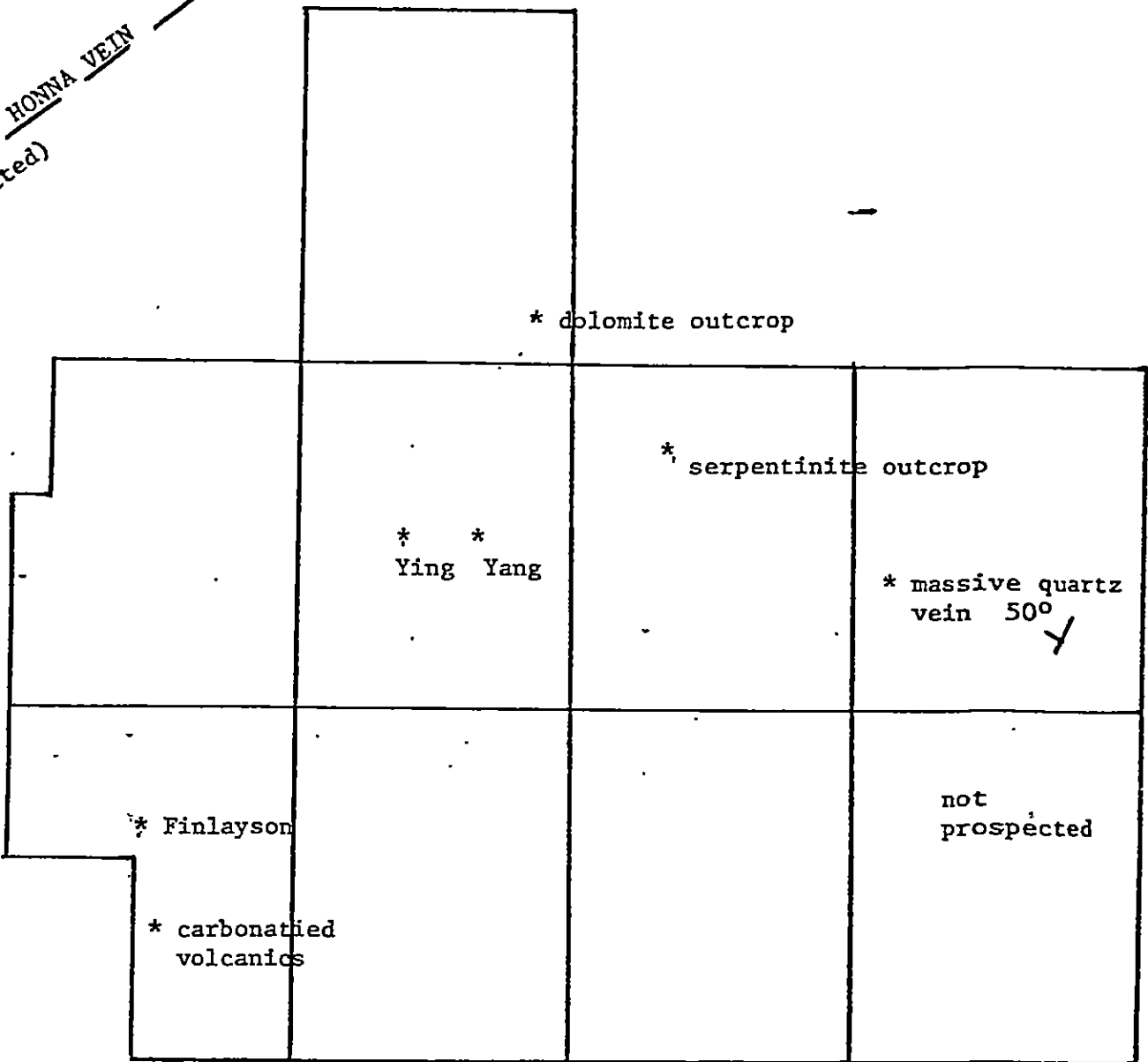
The eastern claims of Amy I, Hall II, and Kent II are not viewed as ideal prospects for gold deposits; however, the possibility of economic sulphide deposits in this area should not be dismissed.

Areas of intense glaciation, where overburden is exclusively glacial drift, are deemed to be the least desirable claim units in the group.

The best prospect on the properties to date, would appear to be the unit which includes the Finlayson, Ying and Yang Showings.

↑
500
metres

STRIKE OF HONVA VEIN
(projected)



STRIKE OF VOLLAUG VEIN (projected)

Assuming continuation of the Cassiar Project in 1982, a list of recommendations is included to act as a guide for next year's exploration. These are:

- (a) An expansion of the geo-chem programme along the baseline indicated on the accompanying map.
- (b) Silt sampling along all creeks on the properties.
- (c) A blasting programme to open up the Ying and Finlayson Showings.
- (d) Sectional work to be done on the silicious serpentinite outcrop on Amy I.
- (e) Continuation of prospecting on the claims; Kent II, Hall II, and Otto II.
- (f) Construction of an exploration road into the area of the Finlayson Showing.

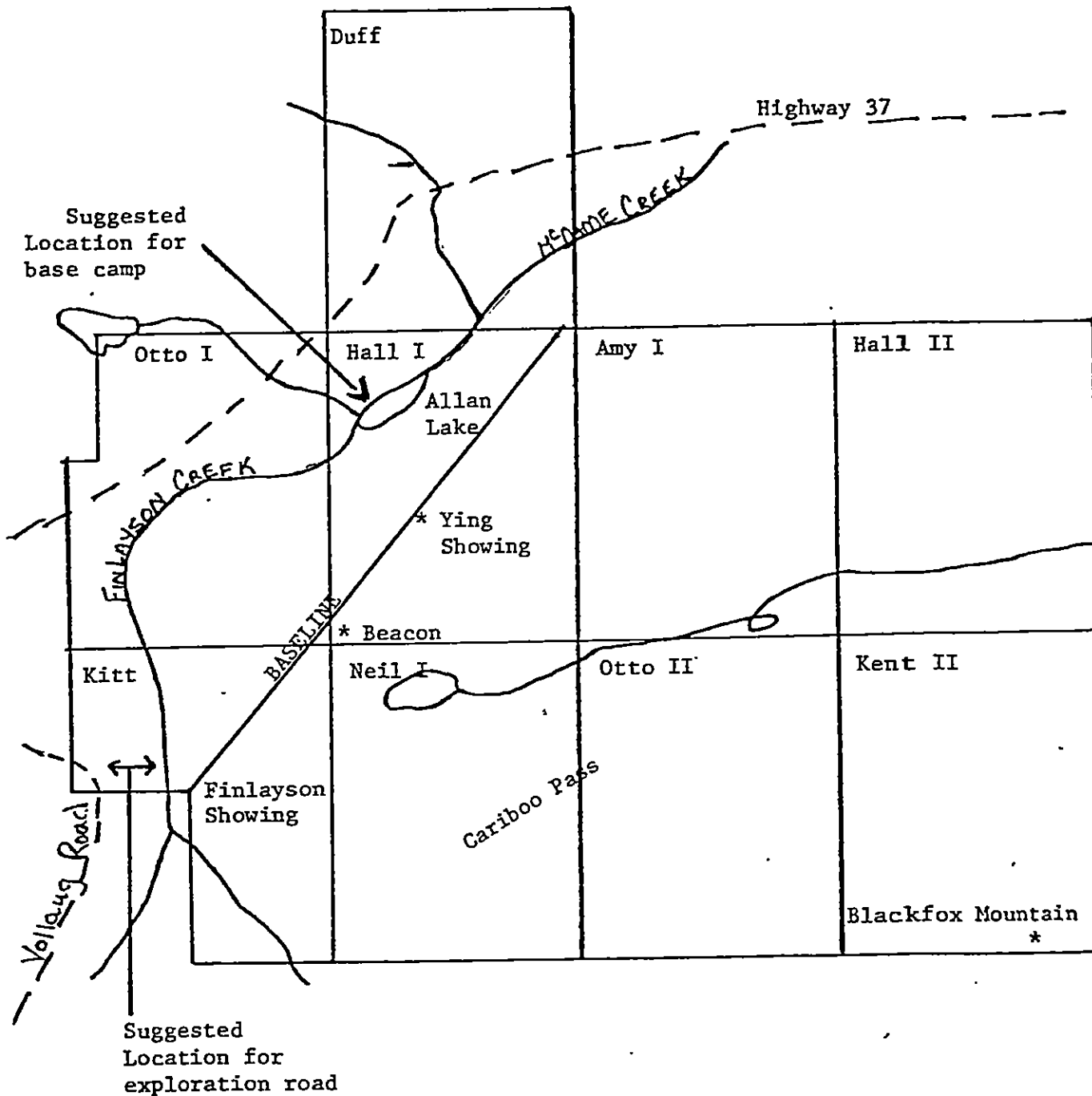
It is suggested that a qualified field geologist be engaged to develop and execute the geo-chem programme. Two students are required to assist the project leader.

As the summer's work carried on several guidelines for future work in the Cassiar area become apparent. These thoughts are listed as an aid to the expedition of next year's work.

- (a) A four wheel drive vehicle is needed. It should be equipped with a canopy and mobile phone. Application to Fort Nelson for a number must be made three months in advance.
- (b) The base camp should be established on Allan Lake (see map).
- (c) Field work should not be attempted before the third week of June, due to the nature of the climate.

Suggested gear for workers:

leather hiking boots	wool toque
wool trousers	warm weather hat
high top rubber boots	protective glasses
wool shirts	bear bells
blue jeans	
t-shirts	
running shoes	
cotton gloves	



Map illustrates location of baseline, proposed exploration road, and base camp

COST STATEMENT

As we dealt on these claims in a partnership which no longer exists, not all the charges incurred on this property appear on this statement.

- a) No persons were employed by our company, they were employed by our partner for the work on these claims.
- b) Food and accomodation expenses were incurred during the period beginning in June and continuing to the end of August. They total approx. \$3,000.00 and were spent by five (5) persons.
- c) Transportation charges were incurred for gasoline and vehicle rental and also air flight. Approx. gas and rental charges are \$3,500.00. Air flight charges were approx. \$7,300.00.
- d) Equipment rentals and miscellaneous supplies totalled approx. \$4,000.00, with the amount of \$2,100.00 being specifically allocated for equipment rentals.

e) ~~The cost of the staking project is \$4,500.00.~~
August 7 - 12 - 18 man days @ \$200.00 per day.....\$3,600.00
6 days camp facilities, etc..... 900.00

f) 1 analysis of tantalum @ \$15.00.....	\$15.00
22 analysis of gold and silver @ \$11.00.....	242.00
6 analysis of copper @ \$6.00.....	36.00
3 analysis of lead @ \$6.00.....	18.00
7 analysis of zinc @ \$6.50.....	45.50
4 analysis of nickle @ \$7.50.....	30.00
8 analysis of cobalt @ \$6.50.....	52.00
9 analysis of chromium @ \$10.00.....	90.00
2 analysis of molybdenum @ \$6.50.....	13.00
1 analysis of tungsten @ \$9.00.....	9.00
7 analysis of platinum @ \$20.00.....	140.00
59 AuAg @ \$9.50.....	560.50
3 Pt @ \$29.70.....	89.10
17 Cu @ \$5.75.....	97.75
2 Pb @ \$7.30.....	14.60
3 NiCoMo @ \$23.60.....	70.80
4 Cr @ \$10.00.....	40.00
3 WO ₃ @ \$9.15.....	27.45
4 Ag @ \$7.25.....	29.00
11 PbZn @ \$14.60.....	160.60
13 BaSO ₄ @ \$11.00.....	143.00
4 Mo @ \$7.00.....	28.00
1 Fe @ \$8.65.....	8.65
36 Au @ \$5.00.....	180.00
36 Ag @ \$2.00.....	72.00
Sample preparations totalled.....	137.00

\$2,348.95 X *approximation \$600.00*

g) Cost of preparation of report by W.G. Stevenson & Associates Limited is \$3,060.92.

Therefore, total costs incurred are approx. \$27,709.87.



TO:
KENT ENERGY CORP.
 620 Canada Place
 407 - 2nd St. S.W.
 Calgary, Alberta
 T2P 2Y3

General Testing Laboratories

A Division of SGS Supervision Services Inc.

1001 EAST PENDER ST., VANCOUVER, B.C., CANADA, V6A 1W2
 PHONE (604) 254-1647 TELEX 04-507514 CABLE SUPERVISE

CERTIFICATE OF ASSAY

No.: 8109-1056 B DATE: Oct. 15/81

We hereby certify that the following are the results of assays on:

MARKED	GOLD	SILVER	Copper	Lead	Zinc	Barite	Chromium	Molybdenum
	oz/st	oz/st	Cu (%)	Pb (%)	Zn (%)	BaSO ₄ (%)	Cr (%)	Mo (%)
Ying	0.002	trace	-	-	-	-	-	-
Yong	0.002	trace	-	-	-	-	-	-
A-3	0.002	trace	-	-	-	-	-	-
B-1	0.002	trace	-	-	-	-	-	-
B-2	0.002	trace	-	-	-	-	-	-
B-3	0.002	trace	-	-	-	-	-	-
F1-1	-	-	0.01	0.01	0.01	-	0.06	-
F1-2	-	trace	0.01	-	-	0.1	-	-
F1-3	0005	0.12	-	-	-	-	-	-
F1-4	0.002	trace	-	-	-	-	-	-
<u>Finlayson Showing</u>								
1	0.002	0.05	-	-	-	-	-	-
2	0.002	0.07	-	-	-	-	-	-
3	0.002	0.07	-	-	-	-	-	-
4	0.002	0.08	-	-	-	-	-	-
5	0.002	0.08	-	-	-	-	-	-
6	0.002	0.02	-	-	-	-	-	-
7	0.002	0.08	-	-	-	-	-	-
8	0.002	0.04	-	-	-	-	-	-
9	0.002	trace	-	-	-	-	-	-
10	0.002	0.02	-	-	-	-	-	-
11	0.002	trace	-	-	-	-	-	-
12	0.002	0.07	-	-	-	-	-	-
14	0.002	trace	-	-	-	-	-	-
A-1	-	trace	0.01	0.01	0.01	-	-	-
A-2	0.002	0.07	-	-	-	-	-	-
A-3	0.002	0.05	-	-	-	-	-	-
A-4	-	trace	0.01	0.01	0.01	0.1	-	0.001
A-6	0.002	trace	-	-	-	-	-	-
H-1	-	-	0.01	0.01	0.01	0.1	-	-
H-2	0.002	0.10	0.01	-	-	0.1	-	-
H-3	0.002	0.29	-	-	-	-	-	-
H-4	-	-	0.01	0.01	0.01	0.1	-	-
H-5	0.002	0.11	-	-	-	-	-	-
F1-2	-	trace	0.01	-	-	0.1	-	-

Continued on page 2

NOTE: REJECTS RETAINED ONE MONTH PULPS RETAINED THREE MONTHS ON REQUEST PULPS AND REJECTS WILL BE STORE FOR A MAXIMUM OF ONE YEAR

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L. Wong

PROVINCIAL ASSAYER

Analytical and Consulting Chemists, Bulk Cargo Specialists, Surveyors, Inspectors, Samplers, Weighers

MEMBER: American Society For Testing Materials • The American Oil Chemists Society • Canadian Testing Association
 REFEREE AND OR OFFICIAL CHEMISTS FOR: National Institute of Oilseed Products • The American Oil Chemists' Society
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 PHONE (604) 254-1847 TELEX 04-507514 CABLE SUPERVISE

TO:
KENT ENERGY CORP.

.... page 2

CERTIFICATE OF ANALYSIS

No.: 8109-1056 B DATE: Oct. 15/81

We hereby certify that the following are the results of assays on:

MARKED	GOLD	SILVER	Copper	Lead	Zinc	Barite	Molybdenum	xxx
	oz/st	oz/st	Cu (%)	Pb (%)	Zn (%)	BaSO ₄ (%)	Mo (%)	
<u>Yong Showing</u>								
1	0.002	0.12	-	-	-	-	-	
2	0.002	0.09	-	-	-	-	-	
3	0.002	0.07	-	-	-	-	-	
4	0.002	0.17	-	-	-	-	-	
5	0.002	trace	-	-	-	-	-	
6	0.002	trace	-	-	-	-	-	
7	0.002	0.13	-	-	-	-	-	
8	0.002	0.14	-	-	-	-	-	
9	0.002	0.17	-	-	-	-	-	
10	0.002	0.13	-	-	-	-	-	
11	0.002	0.09	-	-	-	-	-	
12	0.002	0.16	-	-	-	-	-	
14	0.002	0.15	-	-	-	-	-	
<u>Recessive Interval</u>								
A1	-	-	0.01	0.01	0.01	0.1	-	
A2	0.002	0.15	-	-	-	-	-	
A4	-	-	0.01	0.01	0.01	0.1	0.001	

NOTE. REJECTS RETAINED ONE MONTH. PULPS RETAINED THREE MONTHS. ON REQUEST PULPS AND REJECTS WILL BE STORE FOR A MAXIMUM OF ONE YEAR.

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L. Wong
 L. Wong
 PROVINCIAL ASSAYER

Analytical and Consulting Chemists, Bulk Cargo Specialists, Surveyors, Inspectors, Samplers, Weighers

MEMBER: American Society For Testing Materials • The American Oil Chemists Society • Canadian Testing Association
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1001 EAST PENDER ST., VANCOUVER, B.C., CANADA, V6A 1W7
 PHONE (604) 254-1647 TELEX 04-507514 CABLE SUPERVISE

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 620 Canada Place
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 Calgary, Alberta
 T2P 2Y3

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MARKED	GOLD	SILVER	Platinum	Copper	Lead	Zinc	Barite	Cobalt
	oz/st	oz/st	oz/st	Cu (%)	Pb (%)	Zn (%)	BaSO ₄ (%)	Co (%)
Neil I	-	-	-	-	-	-	0.1	-
Neil II	-	-	trace	0.03	0.01	0.01	-	0.004
Neil III	0.002	trace	-	-	-	-	-	-
H1	0.002	trace	-	0.01	0.01	0.01	-	-
Hall 2	0.002	trace	-	-	-	-	0.1	-
H 3	0.002	trace	-	-	-	-	-	-
Hall 4	0.002	trace	-	0.01	-	0.01	0.1	-
N-1	0.002	0.11	-	0.01	0.01	-	0.1	-
N-2	0.002	trace	trace	0.01	0.01	0.01	0.1	0.005
N-3	0.002	0.07	-	-	-	-	-	-
Molybdenum Iron Chromium Tungsten								
	Mo (%)	Fe (%)	Cr (%)	WO ₃ (%)				
Neil II	0.001	-	-	trace				
Hall 2	-	-	0.01	-				
N-2	0.001	2.33	-	-				
Hall 4	-	-	0.06	-				

NOTE: REJECTS RETAINED ONE MONTH. PULPS RETAINED THREE MONTHS. ON REQUEST PULPS AND REJECTS WILL BE STORED FOR A MAXIMUM OF ONE YEAR.

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I. Wong

PROVINCIAL ASSAYER

Analytical and Consulting Chemists, Bulk Cargo Specialists, Surveyors, Inspectors, Samplers, Weighers

MEMBER: American Society For Testing Materials • The American Oil Chemists Society • Canadian Testing Association
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TO:
KENT ENERGY CORP.
620 Canada Place
407 - 2nd St. S.W.
Calgary, Alta.
T2P 2Y3

CERTIFICATE OF ANALYSIS

No.: 8107-2752 DATE: Aug. 7, 1981

We hereby certify that the following are the results of assays on: ORE

MARKED	GOLD	SILVER	Platinum Pt oz/st	Copper Cu %	Lead Pb %	Nickel Ni %	Cobalt Co %	Molybdenum Mo %
	Au oz/st	Ag oz/st						
Oliver 1 /	0.012	Trace	Trace	-	-	-	-	-
2 /	0.010	Trace	-	0.14	0.01	-	-	-
2B /	0.002	Trace	-	-	-	-	-	-
Lou 1 /	0.002	Trace	-	-	-	0.008	0.001	0.001
2 /	0.002	Trace	-	-	-	0.007	0.003	0.001
3 /	0.002	Trace	-	-	-	-	-	-
Tim 2 /	0.002	Trace	-	-	-	-	-	-
3 /	0.010	Trace	-	-	-	0.008	0.005	0.001
Bochrk 1 /	0.006	Trace	-	0.01	-	-	-	-
Oliver 3 /	0.010	Trace	-	-	0.01	-	-	-
		Tungsten Oxide						
		Chromium						
		Cr %	WO ₃ %					
		-	-					
		-	-					
		-	-					
		-	Trace					
		-	Trace					
		-	-					
		0.10	-					
		-	-					
		-	-					

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L. Wong
PROVINCIAL ASSAYER

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