

MAP NO. ASSESSMENT REPORT X
PROSPECTUS
CONFIDENTIAL X
OPEN FILE

DOCUMENT NO.: 091986
MINING DISTRICT: Watson Lake
TYPE OF WORK: Geological evaluation

105 A 15

REPORT FILED UNDER: Morengo Resources Inc.

DATE PERFORMED: August/September 1987 DATE FILED: December 2, 1987

LOCATION: LAT.: 60°58'40"N AREA: Cantung Road
 LONG.: 128°48'54"W VALUE \$: 500.00

CLAIM NAME & NO.: QUEEN 1-2 YA54813-54814
 QUEEN 3-7 YA91228-91232
 QUEEN 19-20 YA54831-54832

WORK DONE BY: ~~Wayne Waters~~ *P. Christopher*

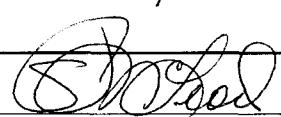
WORK DONE FOR: Morengo Resources Inc.

DATE TO GOOD STANDING	REMARKS:
	#11 NOTT



M.R. file no.
R.M.M.R. file no.
Date forwarded <i>15 Oct 87 17 Nov 87</i>

TRANSMITTAL FORM

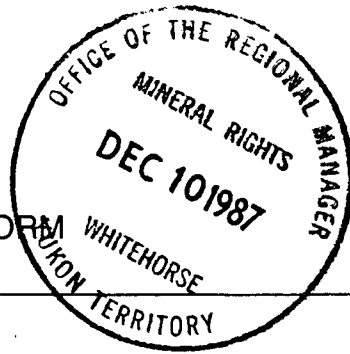
From Mining Recorder at: <i>WATSON LAKE</i>		
To Regional Manager, Mineral Rights at Whitehorse, Y.T.		
For action are:		
<input type="checkbox"/> NEW APPLICATION FOR PLACER LEASE TO PROSPECT	Name	
<input type="checkbox"/> RENEWAL APPLICATION PLACER LEASE TO PROSPECT	Name	Lease no.
<input type="checkbox"/> AFFIDAVIT OF EXPENDITURE ON PLACER LEASE	Name	Lease no.
<input type="checkbox"/> SECURITY DEPOSIT		
<input type="checkbox"/> FINANCIAL ABILITY		
<input type="checkbox"/> ASSIGNMENT OF PLACER LEASE NO.	From	To
<input type="checkbox"/> GROUPING APPLICATION UNDER SEC. 52(2) PLACER MINING ACT.	Owner	
<input type="checkbox"/> DIAMOND DRILL LOGS	Claims	Claim sheet no.
<input checked="" type="checkbox"/> QUARTZ ASSESSMENT REPORT	Claims <i>Queen. 1 to 12, 19 to 20</i>	Claim sheet no. <i>105-A-15</i>
	Type of report <i>Engineers Report</i>	Submitted by <i>Wayne Waters/Morisco</i>
	Clis. work performed on <i>Queen 1 to 7, 19, 20</i>	\$ req. for ren. application <i>500.00</i>
<i>Statement of costs to follow.</i>		 Signature

REPLY ACTION	Date returned
09 1986	
Signature	



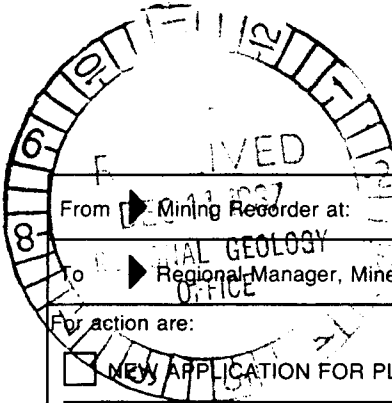
Indian and Northern Affairs Canada

Affaires indiennes et du Nord Canada



M.R. file no.
R.M.M.R. file no.
Date forwarded 2 Dec 87

TRANSMITTAL FORM



From Mining Recorder at: **WATSON LAKE**

To Regional Manager, Mineral Rights at Whitehorse, Y.T.

For action are:

<input type="checkbox"/> NEW APPLICATION FOR PLACER LEASE TO PROSPECT	Name	
<input type="checkbox"/> RENEWAL APPLICATION PLACER LEASE TO PROSPECT	Name	Lease no.
<input type="checkbox"/> AFFIDAVIT OF EXPENDITURE ON PLACER LEASE	Name	Lease no.
<input type="checkbox"/> SECURITY DEPOSIT		
<input type="checkbox"/> FINANCIAL ABILITY		
<input type="checkbox"/> ASSIGNMENT OF PLACER LEASE NO.	From	To
<input type="checkbox"/> GROUPING APPLICATION UNDER SEC. 52(2) PLACER MINING ACT.	Owner	
<input type="checkbox"/> DIAMOND DRILL LOGS	Claims	Claim sheet no.
<input checked="" type="checkbox"/> QUARTZ ASSESSMENT REPORT	Claims <i>Queens # 18, 19-20-3 to 7.</i>	Claim sheet no. <i>105-A-15</i>
<i>Cost Statement to accompany report forwarded 17/10/87</i>	Type of report <i>Engineer's Report</i>	Submitted by <i>W. Waters/Morango</i>
	Cls. work performed on	\$ req. for ren. application <i>500.00.</i>

[Signature]
Signature

REPLY ACTION

Date returned 30 Dec. 1987

Approved for amount required. JLB

091480

Signature

Peter Christopher & Associates Inc.

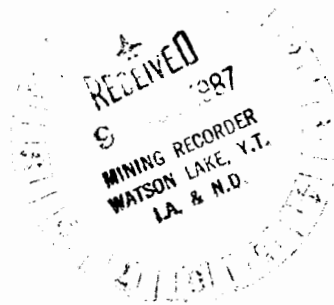
GEOLOGICAL & EXPLORATION SERVICES

3707 West 34th Ave., Vancouver, B.C. V6N 2K9

Office/Res: 263-6152

Bus: 688-3363

Telex: 04-51313



Invoice 1986-27

August 15, 1986

MORENGO RESOURCES INC.
509-736 Granville Street
Vancouver, British Columbia V6Z 1G3

Re: Field Examination and Report On Queen Property.

P.A. Christopher Field Examination July 13-14/86	\$ 700.00
Room & Board	50.00
Report Preparation, Drafting, Copies, Word Processing	1400.00
Office Supplies, Field Supplies.	
Helicopter	433.92
Truck Rental and Driver	100.00
Maps	8.00
Geochemical Analyses	65.00
Phone	15.00
Airport Parking	<u>14.00</u>

Invoice Total	\$2,785.92
Less Advance	<u>1,325.00</u>
Balance Owing	<u>\$1,460.92</u>

Maps & Reports


Peter A. Christopher P.Eng.

*Aug. 15
Paid by
Cheque #21
E.A.*

091986

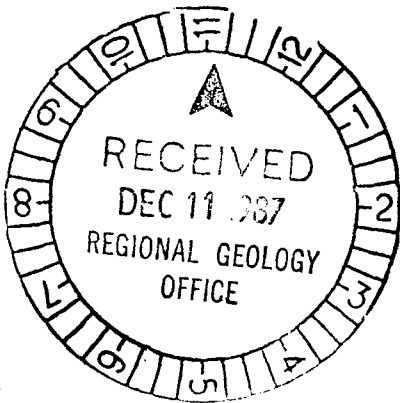
STATEMENT OF QUALIFICATIONS



I, RONALD C. R. ROBERTSON of the City of Whitehorse, Yukon Territory, hereby certify that:

1. I am a self-employed consulting geologist with business address at P.O. Box 5474, Whitehorse, Yukon, Y1A 5H4, and that I have reviewed available information on the LENA and SPENCER property and that I visited the property on 11th March 1987 and conducted a property examination (including collection of several samples described in this report).
2. I obtained a Bachelor of Science degree with First Class Honours in Geology from the University of Aberdeen, Scotland, in 1970 and subsequently carried out graduate studies at McMaster University, Hamilton, Ontario, and at Queen's University, Kingston, Ontario.
3. I am a Fellow of the Geological Association of Canada (#4858).
4. I have been engaged in mineral exploration for seventeen (17) years, of which nine (9) have been on mineral exploration programs in the Yukon Territory, British Columbia and Alaska.
5. I do not have nor have I ever had any interest, direct, indirect or contingent, in the properties or securities of Listed Ventures Incorporated, nor do I expect to receive any such interest.
6. I hereby grant my permission for Listed Ventures Incorporated to use this report for filing with the Alberta Stock Exchange as part of a Statement of Material Facts or for any legal purpose normal to the business of Listed Ventures Incorporated.

SIGNED at Whitehorse, Yukon Territory, this 3rd day of April, 1987.



Ronald C. R. Robertson
Ronald C. R. Robertson, F.G.A.C.




STATEMENT OF QUALIFICATIONS

I, Graham S. Davidson of the City of Whitehorse in the Yukon Territory, hereby certify:

- 1) THAT I am a consulting geologist AND THAT I reviewed available information on the LENA PROPERTY.
- 2) THAT I am a graduate of the University of Western Ontario (H.B.Sc., Geology 1981);
- 3) THAT I am registered as a Professional Geologist by the Association of Professional Engineers, Geologists and Geophysicists of Alberta (No. 42308);
- 4) THAT I have been engaged in mineral exploration on a full-time and part-time basis for seven years, of which five have been spent in the Yukon and Northwest Territories, and British Columbia.
- 5) I do not have nor have I ever had any interest direct, indirect or contingent in the shares of Listed Ventures Incorporated, nor do I expect to receive any interest, either direct or indirect, in the properties or securities pertaining thereto.
- 6) I hereby grant my permission for Listed Ventures Incorporated to use this report for filing with the Alberta Stock Exchange as partial requirement of a Statement of Material Facts or for any legal purposes normal to the business of Listed Ventures Incorporated.

Signed at Vancouver, British Columbia, this 6th day of April, 1987.


Graham S. Davidson, P. Geol.

091986

ORDINARY OIL CORPORATION

No 241

Aug. 15, 1986

Pay to the Order of Peter Christopher & Associates Inc. \$1,460.92
One thousand four hundred sixty 92 Dollars

CANADIAN IMPERIAL BANK OF COMMERCE
HASTINGS & GRANVILLE
VANCOUVER, B.C.

ORDINARY OIL CORPORATION
PER [Signature]
PER G. Matus

⑆00010⑆010⑆ 71⑆30317⑆

⑆0000146092⑆

ORDINARY OIL CORPORATION

No 232

July 9, 19 86

Pay to the Order of Peter Christopher \$825.00
eight hundred twenty-five Dollars

CANADIAN IMPERIAL BANK OF COMMERCE
HASTINGS & GRANVILLE
VANCOUVER, B.C.

ORDINARY OIL CORPORATION
PER [Signature]
PER G. Matus

⑆00010⑆010⑆ 71⑆30317⑆

⑆0000082500⑆

ORDINARY OIL CORPORATION

No 230

July 9, 19 86

Pay to the Order of Peter Christopher \$500.00
Five hundred Dollars

CANADIAN IMPERIAL BANK OF COMMERCE
HASTINGS & GRANVILLE
VANCOUVER, B.C.

ORDINARY OIL CORPORATION
PER [Signature]
PER G. Matus

⑆00010⑆010⑆ 71⑆30317⑆

⑆0000050000⑆

REPORT ON THE QUEEN PROPERTY
WATSON LAKE MINING DISTRICT
YUKON TERRITORY

LOCATION

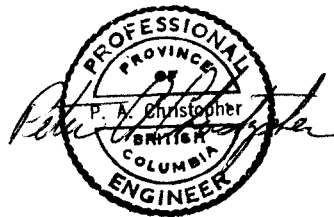
N.T.S.: 105 - A - 15
LATITUDE: 60° 58' 40"N.
LONGITUDE: 128° 48' 54"W.

PREPARED FOR

MORENGO RESOURCES INC.
509-736 GRANVILLE STREET
VANCOUVER, BRITISH COLUMBIA V6Z 1G3

PREPARED BY

PETER A. CHRISTOPHER Ph.D., P.Eng.
PETER CHRISTOPHER & ASSOCIATES INC.
3707 WEST 34TH AVENUE
VANCOUVER, BRITISH COLUMBIA V6N 2K9



AUGUST 15, 1986



091986

quartz

amount

Regional Manager, Exploration and
Geological Services for Commissioner
of Yukon Territory.

This report has been examined by
the Geological Evaluation Unit
under Section 53 (4) Yukon Quartz
Mining Act and is allowed as
representation work in the amount
of \$ 500.00.


for 
Regional Manager, Exploration and
Geological Services for Commissioner
of Yukon Territory.

TABLE OF CONTENTS

	<u>PAGE</u>
SUMMARY	1
INTRODUCTION	2
General	2
Location and Access	2
Topography and Vegetation.....	2
Property Definition.....	2
History.....	3
 GEOLOGY AND MINERALIZATION	
Regional Geology	3
Property Geology.....	3
Mineralization	4
 DISCUSSION OF QUEEN PROPERTY	4
 CONCLUSIONS AND RECOMMENDATIONS	5
 COST ESTIMATES.....	5
 BIBLIOGRAPHY.....	7
 CERTIFICATE.....	7
 CONSENT LETTER	

ILLUSTRATIONS

<u>Figure</u>	<u>Page</u>
1. Location Map	Follows Page 2
2. Claim Map - Scale 1:31,680	Follows Page 2
3. Regional Geology - Scale 1:253,440.....	Follows Page 3
4. Proposed Drilling - Scale 1:500.....	Follows Page 4

TABLE

Table 1. Pertinent Claim Data	Page 3
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SUMMARY

The Queen Property consisting of the Queen 1 through 7, Queen 19 and Queen 20 claims covers about 465 acres (188 ha.) situated about 88 kilometers north of Watson Lake, Yukon Territory and about 3.2 kilometers north of the Canadian Tungsten Mine Road. The Queen Property is situated in the Watson Lake Mining District with claim records kept in Watson Lake and Whitehorse.

The property covers a poorly exposed silver and base metal bearing shear zone that was sampled by the writer on July 14, 1986. A grab sample from a muck pile assayed 15.30 oz Ag/ton, 1.51% Cu, 3.53% Pb, and 4.04% Zn. A ten foot chip sample across a recently excavated pit assayed 3.38 oz Ag/ton, 0.39% Cu, 0.84% Pb and 0.85% Zn. Limited exposure prevented proper sampling or determination of the dimensions and orientation of the zone. A Stage I, initial 1000 foot drill and geophysical test is recommended to define the width, attitude and grade in the showing area.

The initial Stage I, 1000 foot diamond drill and geophysical test is estimated to cost \$ 50,000. Contingent upon the results of the Stage I program, a Stage II program of geochemical sampling, geophysics, road building, and trenching may be warranted. The Stage II program is estimated to cost \$ 75,000. Contingent on the results of the initial stages, a Stage III program of 3000 feet of drilling may be warranted with a cost estimate of \$ 125,000.

INTRODUCTION

The Queen Property, consisting of 9 two post claims, is situated about 88 kilometers north of Watson Lake, Yukon Territory. The writer was retained by the management of Morengo Resources Inc., the property owner, to confirm the location of the Queen claims and examine the geological setting of a mineral occurrence on the Queen Property. The examination was conducted on July 14, 1986 in order to recommend a program of further exploration of the property, if warranted.

This report summarizes the geological setting of the Queen Property and outlines a recommended Stage I and contingent Stage II and Stage III exploration programs for the property.

LOCATION AND ACCESS (Figures 1 & 2)

The Queen Property is situated about 88 kilometers (55 miles) north of Watson Lake, Yukon Territory. The southern boundary of the property is about 3.2 kilometers (2 miles) north of the Canada Tungsten Road which follows Dolly Varden Creek and about 9 kilometers north of the summit of Mt. Murray.

Access to the property is via the Ross River and Canada Tungsten Mine gravel roads. A four kilometer trail extends from the Canada Tungsten Mine road to the property but access for the examination and trenching and prospecting programs have used Frontier Helicopters based in Watson Lake.

Watson Lake is the nearest center for obtaining supplies and services need for exploration of the property. Schedule air service to Watson Lake exists from Whitehorse, Edmonton and Vancouver.

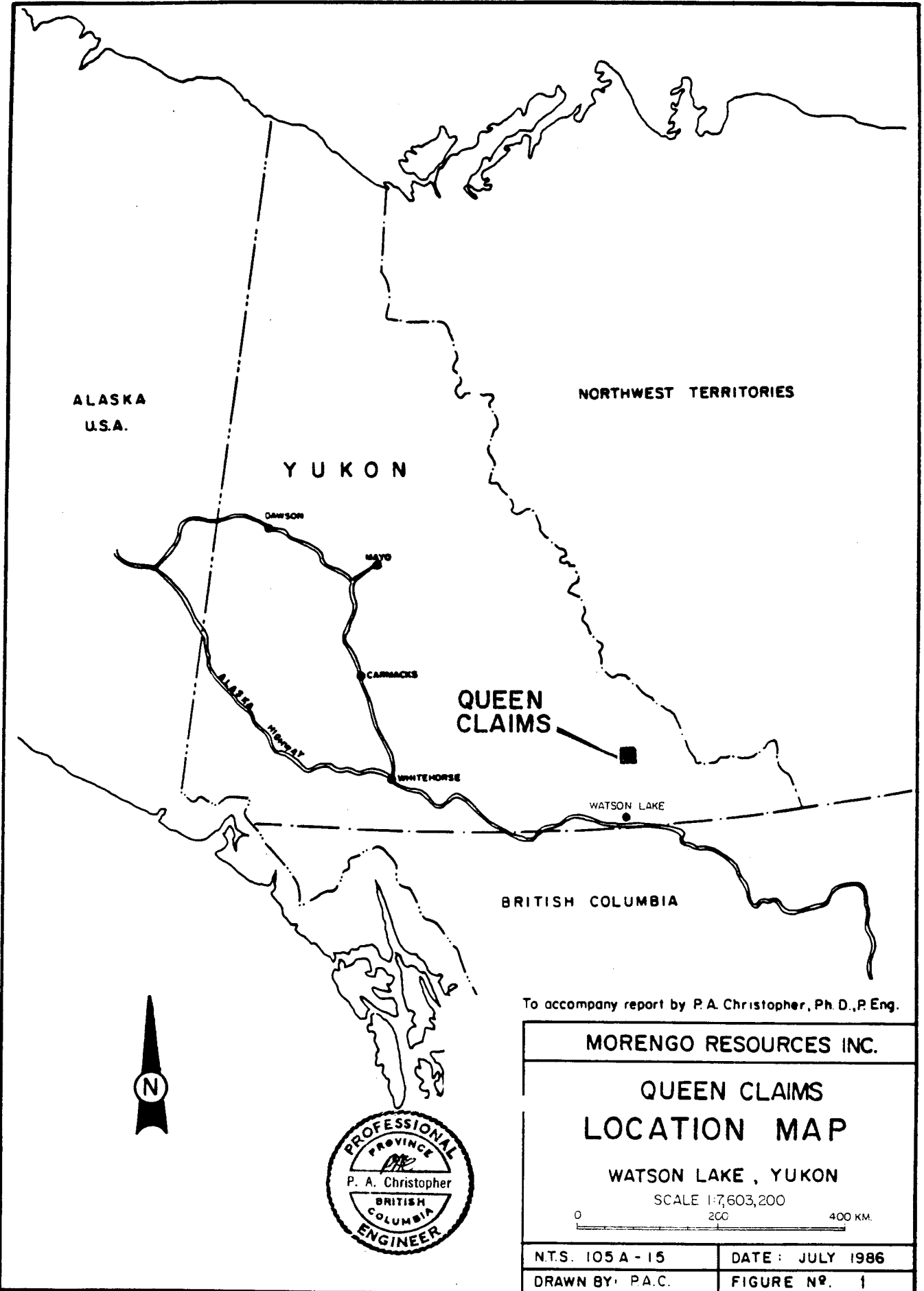
TOPOGRAPHY AND VEGETATION

Elevations on the property range from about 4400 feet (1341 meters) to over 5500 feet (1676 meters) with most of the property having moderate relief. The Canada Tungsten Road is at about the 3500 foot (1067 meter) level. A four or five mile access road will be required to obtain a reasonable road grade.

Vegetation on the property is at or above tree line with normal stunted northern alpine growth. The claim area covers an alpine valley area with outcrops mainly restricted to higher areas.

PROPERTY DEFINITION (FIGURE 2)

The Queen property consisting of nine two post claims covers about 465 acres (188 hectares) in the Watson Lake Mining District, Yukon Territory. Pertinent claim data summarized in Table 1 was obtained from the Department of Northern Affairs and Natural Resources in Watson Lake (Ph. 403-536-7366). The writer examined the common posts for the Queen 1, 2, 19, and 20 and located the main showing with respect to the post location (Figure 4). The claim location presented in Figure 2 is from government claim map N.T.S. 105-A-15 and



ALASKA
U.S.A.

NORTHWEST TERRITORIES

YUKON

DAWSON

MAYO

CARMACKS

QUEEN
CLAIMS

WHITEHORSE

WATSON LAKE

BRITISH COLUMBIA



To accompany report by P.A. Christopher, Ph.D., P. Eng.

MORENGO RESOURCES INC.

QUEEN CLAIMS
LOCATION MAP

WATSON LAKE, YUKON

SCALE 1:7,603,200

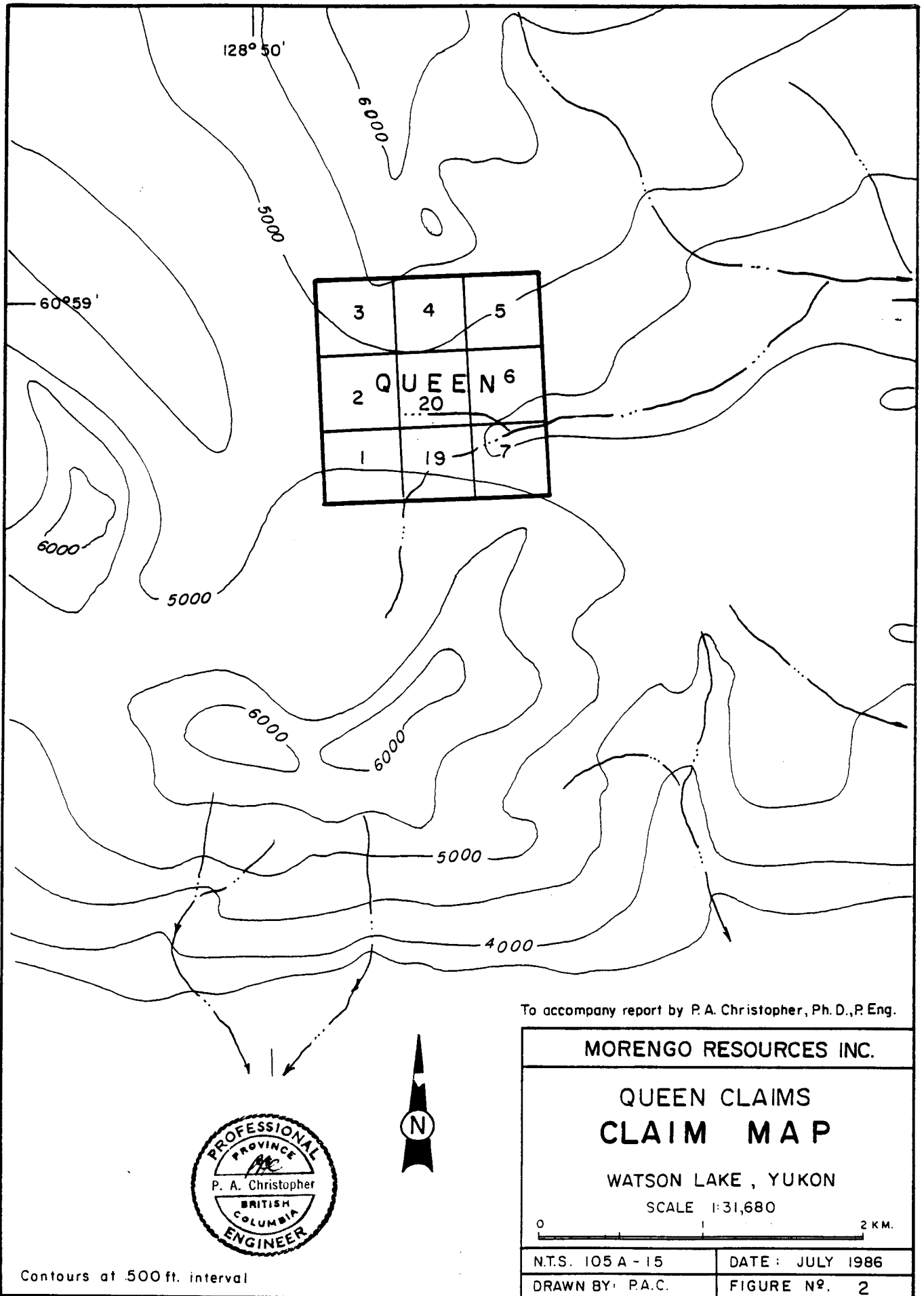
0 200 400 KM.

N.T.S. 105 A - 15

DATE: JULY 1986

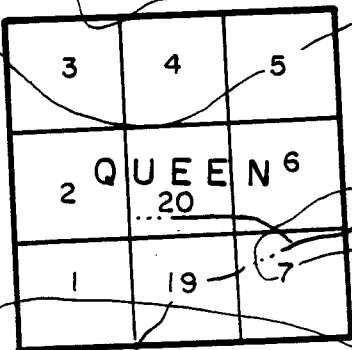
DRAWN BY: P.A.C.

FIGURE NO. 1



128° 50'

60° 59'



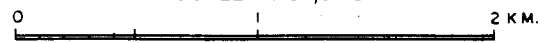
To accompany report by P.A. Christopher, Ph. D., P. Eng.

MORENGO RESOURCES INC.

QUEEN CLAIMS
CLAIM MAP

WATSON LAKE, YUKON

SCALE 1:31,680



Contours at 500 ft. interval

N.T.S. 105 A - 15

DATE: JULY 1986

DRAWN BY: P.A.C.

FIGURE Nº. 2

represents an accurate location of the Queen Claims.

The Queen 1 and Queen 2 claims were located in June 1980 by Joe Steffler and the Queen 19 and Queen 20 claims were located in June 1980 by Jimmy Wolftail. The Queen 1, 2, 19, and 20 were transferred to Alex Black on September 23, 1980. The Queen 3 through 7 claims were staked by Alex Black in July 1986 and recorded in Watson Lake on August 1, 1986.

TABLE 1. Pertinent Claim Data For Queen Claims.

<u>Name</u>	<u>Record Number</u>	<u>Date Recorded</u>	<u>Expiry</u>	<u>Staker</u>
Queen 1	YA54813	June 11, 1980	1987	Joe Steffler
Queen 2	YA54814	June 11, 1980	1987	"
Queen 3	YA91228	August 1, 1986	1987	Alex Black
Queen 4	YA91229	August 1, 1986	1987	"
Queen 5	YA91230	August 1, 1986	1987	"
Queen 6	YA91231	August 1, 1986	1987	"
Queen 7	YA91232	August 1, 1986	1987	"
Queen 19	YA54831	June 11, 1980	1987	Jimmy Wolftail
Queen 20	YA54832	June 11, 1980	1987	"

HISTORY

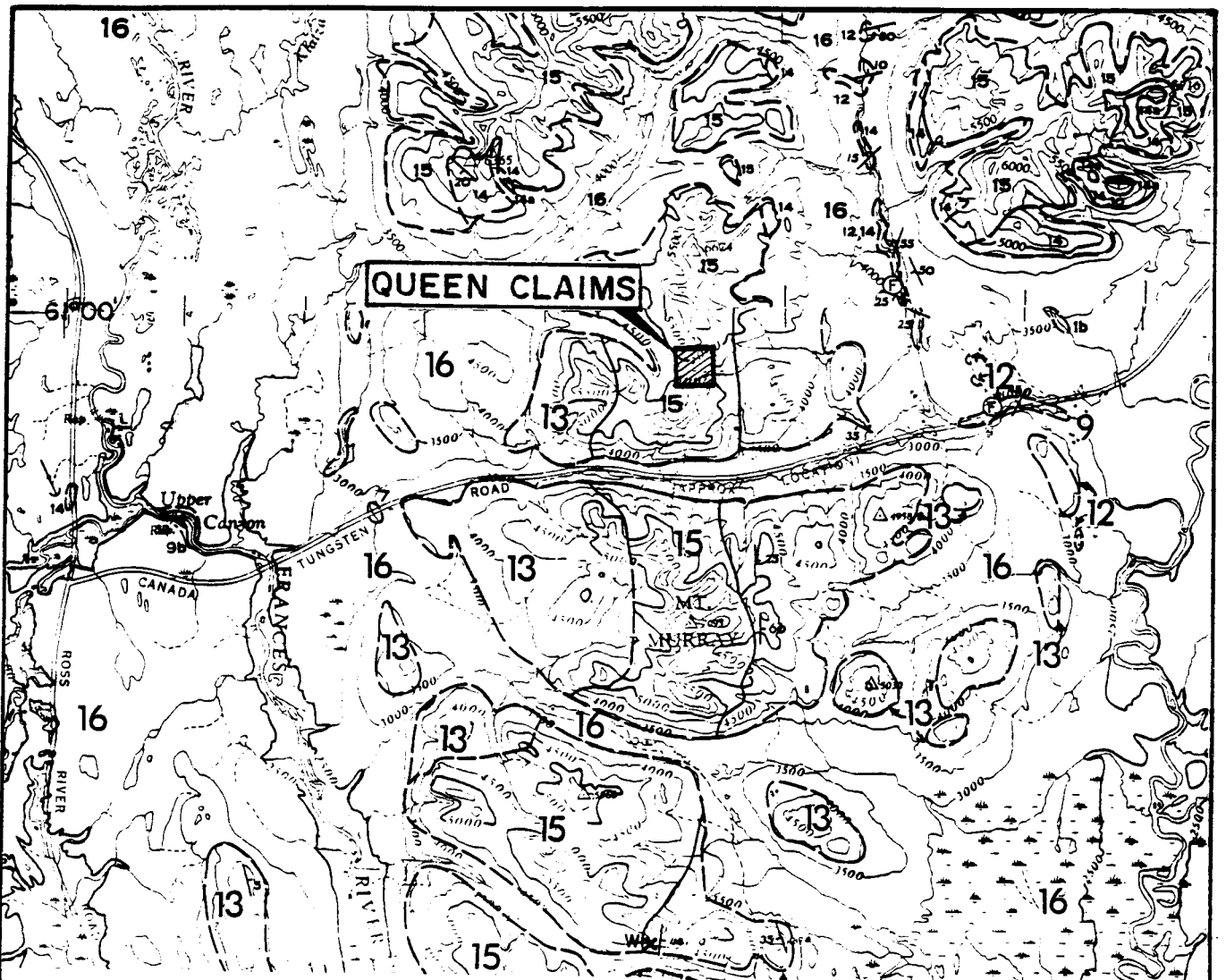
Staking records indicate that claims have been held in the area of the Queen Property for a number of years with the names Wayne and Alice previously applied to the property. The claims were held by Westgold Resources Inc. from January 1983 to September 1984 but no significant work program was conducted on the property. The recent blasting and trenching program appears to be the first effort to expose the mineralized zone (Alex Black personal Communication July 1986).

REGIONAL GEOLOGY (Figure 3)

The regional geology of the area of the Queen Property has been mapped by Roots, Green, Roddick and Blusson (1966) and Gabrielse (1966) for the Geological Survey of Canada. Parts of the Watson Lake map sheet (Map 19-1966) and Frances Lake map sheet (Map 6-1966) have been compiled to show the regional geology of the Queen Property (Figure 3). The property is underlain by part of a northerly trending Cretaceous Batholith with dimensions of 50 kilometers by 100 kilometers. The batholith intrudes and metamorphoses mainly sedimentary rocks of Proterozoic and Paleozoic age. Pleistocene and recent glacial and alluvial deposits cover valley areas.

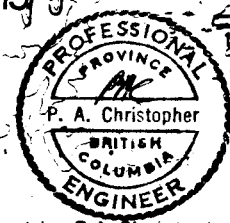
PROPERTY GEOLOGY

The Queen Property appears to be mainly underlain by granitic rocks with a granodiorite or quartz monzonite composition. Biotite quartz monzonite in the area of the main showing is sheared or fractured with trends of 90 to 100° and steep northerly dips. Figure 4 locates rock trenches and pits with respect to granitic outcrops.



LEGEND

- QUATERNARY**
- 16 Unconsolidated glacial and alluvial deposits
- MESOZOIC CENOZOIC**
- CRETACEOUS (?)**
- 15 Fine- to medium-grained biotite-quartz monzonite, granodiorite, minor diorite and gneiss; 15a, fine- and medium-grained biotite hornblende quartz monzonite and granodiorite, in part porphyritic; 15b, hornblende syenite
- DEVONIAN AND (?) MISSISSIPPIAN**
- 13 Brown and black shale, black and grey chert, quartzite, greywacke, chert-pebble conglomerate; 13a, fine-grained light grey limestone and minor dolomite; 13b, greenstone; 13c, serpentinite
 - 14 Rusty brown weathering fine-grained schistose and spotted biotite hornfels, fine-grained quartzite, black pyritic argillite, dense light green to grey calc-silicate hornfels and fine-grained marble; minor slate, silty limestone and greywacke; 14a, light grey thin-bedded fine-grained marble and calc-silicate hornfels. May include some 1 and 2
- SILURIAN AND DEVONIAN (?)**
- 12 Fine-grained light to dark grey dolomite and quartzite; minor buff-grey dolomitic quartzite and silty to sandy dolomite
- ORDOVICIAN AND SILURIAN**
- 11 Black shale, slate; minor chert, siltstone, dark limestone
- PALAEZOIC**
- CAMBRIAN**
- MIDDLE AND LATE CAMBRIAN**
- 9 Light grey and brownish grey weathering, intercalated platy argillaceous silty limestone, siltstone, and fine-grained grey limestone
 - 10 Dark grey and brown silty shale and finely laminated siltstone, dark grey slate, thin-bedded brown-grey fine-grained sandstone; minor hornfels
- EARLY AND/OR MIDDLE CAMBRIAN**
- 7 Buff-weathering dolomite, silty and sandy dolomite; minor sandstone and shale
 - 8 Dark brown-grey to black, in part pyritic, calcareous argillite, slate, shale, and minor thin-bedded argillaceous limestone
 - 6 Bright yellow and orange-weathering silty and sandy dolomite



To accompany report by P. A. Christopher, Ph. D., P. Eng.

MORENGO RESOURCES INC.

QUEEN CLAIMS

REGIONAL GEOLOGY

AFTER GSC PREL. MAPS 6-1966, 19-1966

WATSON LAKE, YUKON

SCALE 1:253,440

0 5 10 15 KM.

N.T.S. 105 A - 15	DATE: JULY 1986
DRAWN BY: P.A.C.	FIGURE NO. 3

Scree or talus of unmineralized quartz monzonite covers most of the mineralized trend and restricts the application of conventional prospecting methods.

MINERALIZATION

Mineralization consist of disseminated and fracture controlled chalcopyrite, galena, sphalerite, pyrite, manganese stain and tetrahedrite(?). Figure 4 shows the main prospect area where mineralization has been explored by pits and rock trenches. Visual examination of the prospect area indicates that chalcopyrite > galena > pyrite > sphalerite > tetrahedrite. The mineralized zone appears to have 90 to 100° trend but scree cover prevents accurate determination of the attitude of the mineralized zone.

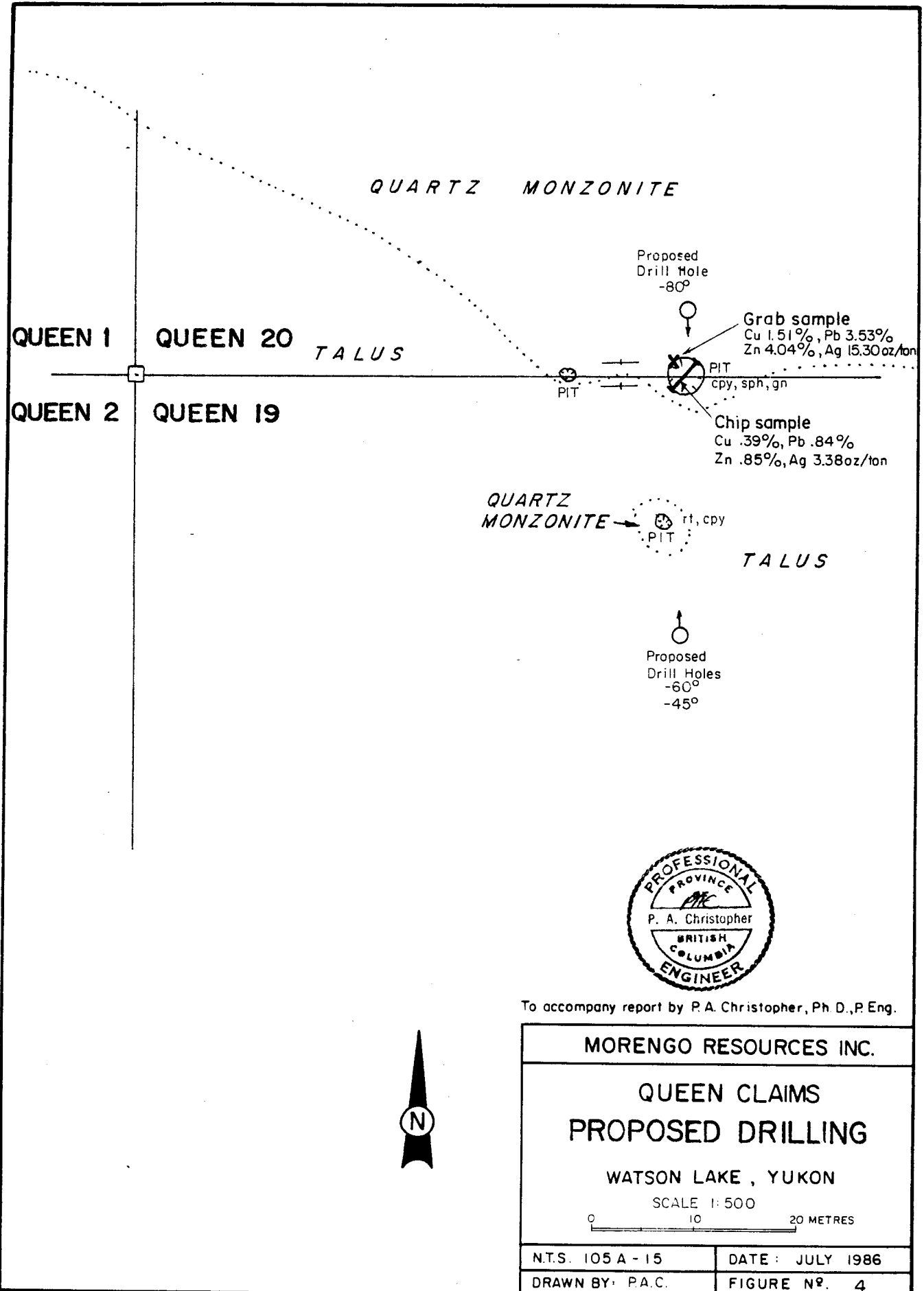
Two samples were collected by the writer from the mineralized zone. A grab sample of higher grade material from the muck assayed 1.51% Cu, 3.53% Pb, 4.04% Zn, 15.30 oz Ag/ton and >0.002 oz Au/ton. A ten foot chip sample assayed 0.39% Cu, 0.84% Pb, 0.85% Zn, 3.38 oz Ag/ton and >0.002 oz Au/ton. Limited sampling suggests that a higher proportion of lead and zinc than indicated by visual estimates of galena and sphalerite. The high silver to base metal ratio supports the visual identification of tetrahedrite. Mineralization in the small pit 12 meters south of the main pit is poorly exposed and was not sampled. Since no barren rock is exposed between the pits or south of the pit area, the zone has potential for being 15 or more meters wide. Possible extensions of the zone along strike are covered by scree and talus.

DISCUSSION OF QUEEN PROPERTY

The Queen Property contains a significant silver and base metal occurrence that has received only limited prospecting and testing by blasting and hand trenching. Geochemical methods may help in locating other zones but heavy scree and talus cover hampers their use in tracing the known zone. Physical testing is required to define the characteristics of the occurrence and to determine if road access to the property is warranted. VLF-EM and Magnetic surveys should be conducted over the known showing to determine if wider application of the methods to test covered areas is justified.

Figure 4 shows the proposed locations of three diamond drill holes. Hole 1 should be drilled northerly at -45° from about 10 meters south of the southern pit. If the zone is found to dip steeply, a second hole should be drilled from the same site. If a northerly dip is indicated by the initial hole, the second hole should be drilled from north of the main prospect pit. After defining the orientation of the zone a third hole site should be selected by the project geologist to test for strike extensions of the mineralization.

A small grid should be centered over the showing with an east-west base line and north-south cross-lines. Magnetic and VLF-EM reading should be obtained at 20 meter interval along cross lines spaced at 50 meter intervals.



QUARTZ MONZONITE

QUEEN 1 QUEEN 20
 QUEEN 2 QUEEN 19

TALUS

Proposed
 Drill Hole
 -80°

Grab sample
 Cu 1.51%, Pb 3.53%
 Zn 4.04%, Ag 15.30oz/ton

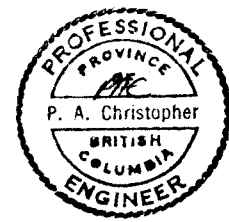
PIT
 cpy, sph, gn

Chip sample
 Cu .39%, Pb .84%
 Zn .85%, Ag 3.38oz/ton

QUARTZ
 MONZONITE → PIT
 rt, cpy

TALUS

Proposed
 Drill Holes
 -60°
 -45°



To accompany report by P. A. Christopher, Ph D., P. Eng.

MORENGO RESOURCES INC.

QUEEN CLAIMS
 PROPOSED DRILLING

WATSON LAKE, YUKON

SCALE 1:500

0 10 20 METRES

N.T.S. 105 A - 15

DATE: JULY 1986

DRAWN BY: P.A.C.

FIGURE Nº. 4

CONCLUSIONS AND RECOMMENDATIONS

The Queen Property contains a significant silver and base metal occurrence that can best be explored by using physical methods. An initial helicopter supported diamond drill test is recommended to evaluate the orientation, size and grade of the mineralized zone. The showing area should be surveyed with VLF-EM and magnetics to evaluate the usefulness of the methods for testing covered areas of the property. Contingent upon the results of the initial stage, a Stage II geochemical, geophysical, road building and trenching program may be warranted. A Stage III diamond drilling program is contingent on the results of the initial surveys.

An initial 1000 foot (300 m.) diamond drill test and evaluation of the VLF-EM and Magnetic methods is estimated to cost \$50,000. A contingent Stage II geochemical, geophysical, trenching and road building program is estimated to cost \$ 75,000. A contingent Stage III drilling program is estimated to cost \$ 125,000. Cost estimates for the staged exploration follow:

COST ESTIMATES

STAGE I. GEOPHYSICAL AND DRILLING PROGRAM

<u>Personnel</u>		
Field Manager	14 days @ \$200ea.	\$ 2,800
Assistant	14 days @ \$150ea.	2,100
Engineering		2,000
<u>Diamond Drilling</u> 1000 feet @ \$25ea. all incl.		25,000
<u>Geochemistry</u> 100 samples @ \$20ea.		2,000
<u>Transportation</u>		
Helicopter		5,000
Support Vehicle		500
Airfare		500
<u>Room and Board</u>	32 man days @ \$40ea.	1,280
<u>Expendables</u>		320
<u>Rentals</u>	Radio, VLF-EM, Magnetometer etc.	500
<u>Report Preparation</u>		<u>3,000</u>
Total		\$ 45,000
Contingency		<u>5,000</u>
Stage I Total		\$ <u>50,000</u>

Cost Estimates cont.

STAGE II. GEOCHEMICAL, GEOPHYSICAL, ROAD BUILDING, TRENCHING
(Contingent on Stage I Results)

Personnel

Project Manager	25 days @ \$200 ea.	\$ 5,000
Geophysical Operator	10 days @ \$200 ea.	2,000
Assistants	50 man days @ \$150 ea.	7,500
Engineering	5 days @ \$400ea.	2,000

Mobilization/Demobilization

		2,000
<u>Bulldozer Rental</u>	150 hours @ \$100ea.	15,000
<u>Room and Board</u>	100 man days @ \$40 ea.	4,000

Transportation

Airfares		2,000
Truck 4 x 4	25 days @ \$100ea.	2,500
Truck 2 x 4	10 days @ \$ 80ea.	800
Helicopter		3,000

Geochemical Analyses

		10,000
<u>Rentals</u>	VLF-EM, Magnetometer, Radio, Saws etc.	1,000
<u>Expediting</u>		500
<u>Expendables</u>		2,200
<u>Drafting</u>		1,500
<u>Report Writing & Preparation</u>		5,000

Total	\$ 66,000
Contingency	<u>9,000</u>
Stage II Total	<u>\$ 75,000</u>

STAGE III. DIAMOND DRILLING

<u>Diamond Drilling</u>	3,000 feet @ \$25ea. (915 meters) (all incl. drilling)	\$ 75,000
<u>Engineering & Management</u>		20,000
<u>Geochemical Analyses</u>		10,000
<u>Report Preparation</u>		<u>5,000</u>

Total	\$ 110,000
Contingency	<u>15,000</u>
Stage II Total	<u>\$ 125,000</u>

Peter A. Christopher
 Peter A. Christopher, P. Eng.
 August 15, 1986



BIBLIOGRAPHY

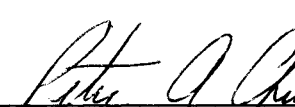
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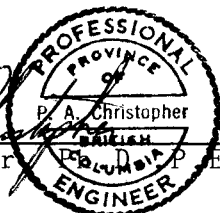
Roots, E.F., Green, L.H., Roddick, J.A., and Blusson, S.L., 1966. Geology, Frascas Lake, Yukon Territory and District of MacKenzie. G.S.C. Map 6-1966.

CERTIFICATE

I, Peter A. Christopher, with business address at 3707 West 34th Avenue , Vancouver, B.C., do hereby certify that:

1. I am a consulting geological engineer registered with the Association of Professional Engineers of British Columbia since 1976.
2. I am a Fellow of the Geological Association of Canada and a member of the Society of Economic Geologists.
3. I hold a B.Sc. (1966) from the State University of New York at Fredonia, a M.A. (1968) from Dartmouth College and a Ph.D. (1973) from the University of British Columbia.
4. I have been practising my profession as a Geologist for over 20 years.
5. I have no direct or indirect interest, nor do I expect to receive any interest directly or indirectly in the properties or securities of Morengo Resources Inc. or associated companies.
6. I have based this report on a field examination conducted by me on July 14th, 1986 and on a review of company and government report on the area of the Queen Property.
7. I consent to the use of this report by Morengo Resources Inc. or associated companies, in any Filing Statement, Statement of Material Facts, Prospectus or assessment report issued by the company.


Peter A. Christopher, P. Eng.
August 15, 1986



Peter Christopher & Associates Inc.
GEOLOGICAL & EXPLORATION SERVICES
3707 West 34th Ave., Vancouver, B.C. V6N 2K9

Office/Res: 263-6152
Bus: 688-3363
Telex: 04-51313

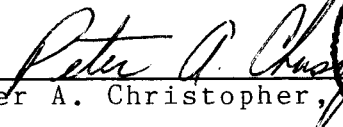
August 15, 1986

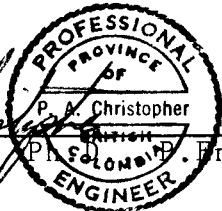
MORENGO RESOURCES INC.
509-736 Granville Street
Vancouver, British Columbia V6Z 1G3

Dear Sirs:

I, Peter A. Christopher, Ph.D., P.Eng., hereby consent to the use of my report dated August 15, 1986 on the Queen Property, Watson Lake Mining District, Yukon Territory, in any Filing Statement, Statement of Material Facts or Prospectus to be issued by Morengo Resources Inc.

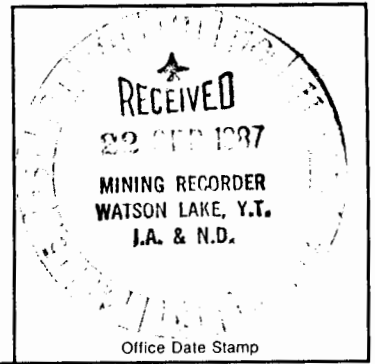
DATED at Vancouver, British Columbia, this 15th day of August, 1986.


Peter A. Christopher, Ph.D., P.Eng.



The seal is circular with the text "PROFESSIONAL ENGINEER" around the perimeter and "PROVINCE OF BRITISH COLUMBIA" in the center. The name "P. A. Christopher" is stamped across the seal.

APPLICATION FOR A CERTIFICATE OF WORK
FORM 4 (SEC. 53)
YUKON QUARTZ MINING ACT



This form required in duplicate with sketch showing location of work.

(name) Wayne Waters, occupation Geologist
(postal address) 3756 W. Broadway VAN. B.C. V6R 2C1

I make oath and say that:

1. I am the owner, or agent of the owner, of the mineral claim(s) to which reference is made herein.

2. I have done, or caused to be done, work on the following mineral claim(s):
(Here list claims on which work was actually done by number and name)

Queen 20 YA 54832.

situated at Long Lake Creek Claim Sheet No. 105-A-15

in the Watson Lake Mining District, to the value of at least 500.00 dollars.

since the 22~~nd~~ Aug 1 1986 day of _____ 19 _____

to represent the following mineral claims under the authority of Grouping Certificate No. 4244
(Here list claims to be renewed in numerical order, by grant number and claim name, showing renewal period requested).

Queen -37 YA 91228-32 1 year

3. The following is a detailed statement of such work: (Set out full particulars of the work done indicating dates work commenced and ended in the twelve months in which such work is required to be done as shown by Section 53.)

Examination of claims for a
qualifying Engineers report.
Report will be mailed by Oct 15, 1987

091986

Sworn before me at WATSON LAKE Y.T.

this 22 day of SEP 1987