

KENNGO EXPLORATIONS, (WESTERN) LIMITED

REPORT

ON

SILT-SOIL-GEOCHEMICAL SURVEY

4970

HAR NO. 1 GROUP

(Har Mineral Claims 1-6)

Record Nos. 122645-122650

94E/11E

¹
Situating approximately 2 miles southeast of
junction of Hiamadam Creek and Moosehorn Creek
Omineca Mining Division,
British Columbia

57°32'N; 127°12'W

Work Done on August 5-10, 1973

by

Conwest Exploration Company Limited

Report By

S. C. Gower

R. W. Stevenson, P. Eng.

May 23, 1974

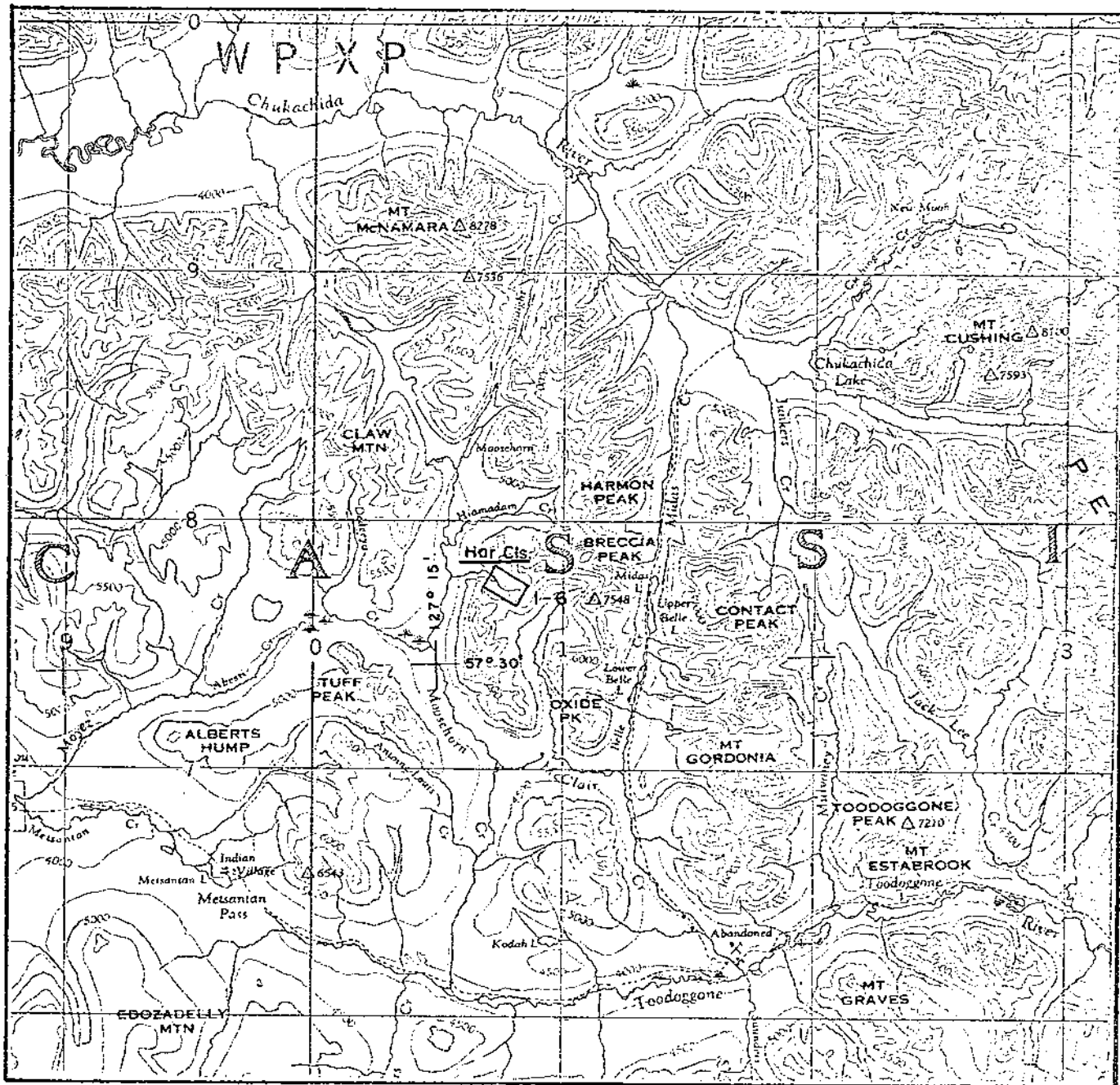
Department of
Mines and Petroleum Resources
ASSESSMENT REPORT
NO. **4970** MAP

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Kennco Explorations (Western) Limited

Har Clis Claims

Situated 2 miles east of Hiamadam Creek & Moosehorn
Creek Junction, Omineca M. D.

57° 33' N
127° 10'

B. C.
Department of
Mines and Technical Surveys
Location Map Resources
ASSESSMENT REPORT
Scale: 1:250,000
NO. **4970** MAP #1
Plate No. 1 - A

R. H. Stevens
5/23/74

INTRODUCTION

The mineral claims discussed in this report are located about 2 miles southeast of the junction of Hiamadam Creek and Moosehorn Creek at elevation 5000-5500 feet. Much of the area is snow covered until early July.

The survey work was carried out by J. Rupert Allen, B.Sc., and M. Brunnell, prospector, who were employed by Conwest Exploration (Company) Limited. This work was performed on Har 1 to 6 claims by Conwest to earn a 50% share of the mineral claims under an agreement with Kennco Explorations, (Western) Limited. The claims are presently jointly owned by Conwest and Kennco, although they are registered in the name of the latter. The report was written by S. C. Gower who was present in the general area at the time the work was performed representing the interests of Kennco. The report, and the work described therein, are endorsed by R. W. Stevenson, P. Eng. The field work was done from August 5 to August 10, 1973.

LOCATION AND ACCESS

The property is situated at Latitude $57^{\circ}32'N$
Longitude $127^{\circ}12'W$ about 200 miles due north of Smithers.
The survey area is above tree-line and outcrop is prominent over parts of the claims.

Access to the property is by fixed-wing aircraft from Smithers or Dease Lake to Moosehorn Lake and by helicopter from there. Due to the ruggedness of the terrain a helicopter was used to set out sampling crews every day in order to minimize travel time.

SILT-SOIL SURVEY FIELD WORK

Sample Site Control

A control grid was established by chain and compass survey. Flagging was utilized to mark the stations, secured either to scrub bushes or rocks, as the area is above tree-line. This provided good control of sample locations, with minimum expenditures.

Sample lines were run at 200' or 400' intervals in a NW-SE direction. A base map with a scale of 1"=200' was compiled for use in plotting the sample results. Silt sample sites were tied into the nearest soil site location by pace and compass.

Silt-Soil Sample Collection

The samples were collected at 200' intervals along the grid lines. They were taken from the top of the B (rusty) horizon where possible. The samples were collected by digging a small hole with a maltock. By this means it was possible to examine the soil horizon development. A note was made of grid line location, the sample number, the depth of sample, direction of drainage, the horizon sampled, and the soil type. Some of the samples taken were composed almost entirely of locally derived rock fines. These are recorded as talus fines on the maps and in the notes.

Packaging

The samples were placed in a 3" x 4 1/2" brown paper envelopes, on which the sample numbers had been marked. These were closed with a triangular triple fold. (The bags are not anomalous in trace metals).

Silt was collected in general where it could be found with a reasonable amount of work. Samples were taken from 'active' material, that is under flowing water, either in streams or seepages. The samples were taken with a shovel. Fine grained silt was selected. Care was taken to avoid high organic material, and well washed clay.

Sample Preparation

The samples were taken to base camp and partly air dried. The samples were then shipped to Kennco's laboratory in North Vancouver where they were oven dried at 80°C and sieved through an 80 mesh steel screen. (These sieves do not show any noticeable wear even after several thousand samples have been sifted). The minus 80 mesh fraction was collected for all of the analyses involved.

Analysis

The samples were analyzed in the North Vancouver Laboratory of Kennco Explorations, (Western) Limited, under the supervision of H. R. Goddard, Laboratory Manager. Total extraction from a weighed sample is achieved by digestion with nitric acid and 70% perchloric acid. Determination of the Cu, Mo, Zn, Pb, Ag, Co, Ni content is made by aspiration in a Tectron AA5 Atomic Absorption Spectrophotometer. To determine the Au content, a weighed sample is digested in aqua-regia, filtered, and the gold removed by solvent-solvent extraction in an organic solvent, MIBK (methyl-isobutyl ketone). This is aspirated in the Tectron AA5.

GENERAL GEOLOGY

Rock Units exposed on the Har claims are andesitic-basaltic flows and a variably colored feldspar porphyry, both of the Takla group and a younger intrusive, felsite sill. A quartz carbonate fissure vein carries erratic galena, sphalerite, pyrite and chalcopyrite.

The andesitic-basaltic flows are massive fine grained dark green volcanics typical of Takla rocks in the area. Phases of the unit are vesicular and amygdaloidal with calcite inclusions. The rocks are weakly altered with chlorite, epidote and carbonate.

The feldspar porphyry is a massive to thickly bedded well jointed porphyritic volcanic. It is variably colored dark green, to grey, to purple, to orange.

The felsite sill is leucocratic, fine grained and dense. It contains minor disseminated pyrite which has resulted in slight gossan weathering.

INTERPRETATION

The purpose of the geochemical survey was to test the soil and talus covered areas north and west of a quartz-carbonate fissure vein for indications of underlying mineralization either in veins or wallrock. Lead, zinc, gold and silver were considered to be the significant pathfinders as they comprise the most abundant metals in the vein, and are fairly readily transported in geochemical trains.

Anomalous levels for silver were considered to be 2.0-3.3 ppm weakly anomalous, greater than 3.4 ppm strongly anomalous. Silver is anomalous in talus fines along strike from the vein for about 500' to the west of the western extent of vein outcrop. This indicates the vein is continuing in this direction under drift cover.

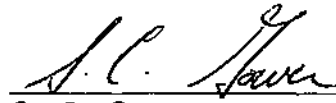
Anomalous levels for zinc and lead were considered to be 300-500 Zn, 70-200 Pb. Strongly anomalous levels were greater than 500 Zn, 200 Pb. These elements are sporadically anomalous downslope of the vein and appear to be attributable to glacial smearing, rather than to underlying mineral sources.

Copper, molybdenum, gold, cobalt and nickel are not anomalous.

Anomaly levels were chosen by statistical evaluation coupled with knowledge of background metal values in the Toogoggone area. Sample stations that are considered background are uncolored. Sample stations that are only weakly anomalous are colored yellow; those that are strongly anomalous are colored red.

Vancouver, B.C.

May 23, 1974


S. C. Gower


R. W. Stevenson, P. Eng.

QUALIFICATIONS OF SURVEY PERSONNEL

The survey was conducted by Rupert Allen (BSc, Geology '69) University of Alberta, who had been employed by Conwest Exploration as an exploration geologist for two years. During this time he attained practical experience in geological mapping and geochemical surveys which augmented his theoretical knowledge obtained at University. Rupert Allen was assisted in the survey by Mark Brunelle who was employed by Conwest as a prospector for 17 years.

The report was written by Stephen C. Gower (BSc Geology '70) University of British Columbia, who has been employed by Kennco Explorations, (Western) Limited as a geologist for 4 years. During this time he gained considerable experience in carrying out and interpreting geochemical surveys in remote areas of British Columbia. In addition to his undergraduate work he has taken graduate courses at the University of British Columbia; the 'Theory of Ore Search' and 'Feasibility Studies of Mineral Properties'.

SAMPLE DESCRIPTION
HAR CLAIMS
J.R. ALLAN - AUG. 1973

Sample No.	Sample Type	Depth	Amount of Organic Material	Sample Wet or Dry	% Coarse Sand or Rock Frags.	Color	Comments	Reliability
HR-1	Soil	6"	v. minor	dry	20%	dk. R.B.	No soil layering	Good
HR-2	"	4"	moderate	wet	<5%	v.dk grey	Quite clayey	Poor
HR-3	Silt	surface	minor	"	10%	"	"	Fair
HR-6	Soil	4"	v. minor	dry	40%	R.B.	No soil layering	Fair
HR-7	"	4"	minor	"	40%	"	"	"
HR-8	"	6"	v.v. minor	"	20%	"	Fair B. gravelly	Good
HR-9	"	4"	"	"	30%	"	No soil layering	"
HR-10	"	8"	"	"	50%	"	"	Fair
HR-11	"	6"	"	"	40%	"	Poor B zone	Good
HR-12	"	6"	v. minor	"	30%	B	No soil layering	Fair
HR-13	"	6"	"	"	30%	dk. B	"	"
HR-14	"	6"	"	"	30%	lt. B	Poor B zone	"
HR-15	"	6"	moderate	"	30%	dk. B	Mostly sand	Poor
HR-16	"	4"	minor	"	40%	R.B.	No soil layering	Fair
HR-17	"	4"	high	"	20%	"	"	Poor
HR-18	"	2"	"	"	30%	dk. B	"	"
HR-37	Talus fines	surface	v.v. minor	dry	50%	lt. R.B.	Slight gossan	Good
HR-38	"	"	v. minor	"	50%	"	"	"

SAMPLE DESCRIPTION
HAR CLAIMS
J.R. ALLAN - AUG. 1973

PAGE 2

Sample No.	Sample Type	Depth	Amt. Organic Material	Sample Wet or Dry	%Coarse Sand or Rock Frags.	Color	Comments	Reliability
HR-39	Talus fines	surface	v. minor	dry	50%	lt. B	-	Good
HR-40	"	"	high	"	70%	dk. B	galena float in area	Poor
HR-41	"	"	nil	"	20%	dk. B	"	Good
HR-42	"	"	minor	"	30%	"	"	Fair
HR-43	"	10"	v.v. minor	"	60%	"	"	Good
HR-44	"	surface	"	"	40%	"	"	"
HR-45	"	"	"	"	40%	lt. B	"	"
HR-46	"	"	"	"	30%	"	"	"
HR-47	Soil	10"	nil	"	"	R.B.	Sandy, qtz. chips	"
HR-48	"	10"	moderate	"	20%	B	Sandy	"
HR-49	Silt	surface	nil	wet	30%	-	Moderate gossan	"
HR-50	Soil	10"	moderate	dry	20%	B	Gravelly	"
HR-51	Soil	8"	"	"	10%	dk. B	-	"
HR-52	Silt	surface	"	wet	50%	Grey	Clayey	Fair
HR-53	Soil	10"	"	dry	30%	dk. B	-	Good
HR-54	"	10"	"	"	30%	lt. B	-	"
HR-55	"	10"	"	"	20%	B	-	"
HR-56	Silt	surface	"	wet	50%	R.B.	Strong gossan + qtz.	"
HR-57	Soil	8"	high	dry	50%	B	Sandy	Poor
HR-58	"	8"	"	"	50%	B	"	"
HR-59	Silt	surface	"	wet	20%	Grey	"	"
HR-60	Soil	8"	moderate	"	5%	B	-	Good
HR-61	"	10"	minor	dry	5%	Grey	Clayey	"
HR-62	"	8"	moderate	"	10%	B	-	"
HR-63	Talus fines	10"	"	"	50%	dk. B	Min. float in area	Poor
HR-64	"	surface	v.v. minor	"	40%	lt. B	"	Good
HR-65	Silt	"	"	wet	10%	"	Sandy	"
HR-66	Talus fines	"	v. minor	dry	30%	"	Min. float in area	"
HR-67	"	"	v.v. minor	"	20%	"	"	"
HR-68	"	"	"	"	20%	"	"	"
HR-69	"	"	"	"	20%	"	"	"
HR-70	Silt	"	high	wet	30%	"	Clayey	Poor
HR-71	"	"	"	"	10%	"	"	"
HR-72	Talus fines	"	v. minor	dry	40%	"	Sandy	Fair
HR-73	"	"	v.v. minor	"	40%	"	"	Good
HR-74	Soil	10"	minor	"	10%	B	-	"
HR-75	"	10"	"	"	25%	Grey B	Intermixed clay & sand	"

SAMPLE DESCRIPTION
HAR CLAIMS
J.R. ALLAN - AUG. 1973

PAGE 3

Sample No.	Sample Type	Depth	Amt. Organic Material	Sample Wet or Dry	%Coarse Sand or Rock Frags.	Color	Comments	Reliability
HR-75	Silt	surface	minor	wet	50%	Grey	Sand	Good
HR-77	Soil	3"	moderate	dry	25%	B	Weathered outcrop	Fair
HR-78	"	10"	Minor	"	10%	Grey B	Intermixed clay & sand	Good
HR-79	Silt	surface	"	wet	25%	Grey	"	"
HR-80	Soil	10"	Minor	dry	20%	B	Sandy	Fair
HR-83	Soil	4"	moderate	dry	50%	B	Sandy	Fair
HR-84	Silt	surface	minor	wet	-	Grey	Intermixed clay & sand	Good
HR-85	Soil	8"	minor	dry	50%	Grey B	Intermixed clay & sand	Good
HR-86	Soil	10"	minor	dry	50%	B	Sandy	Good
HR-87	Soil	10"	Minor	dry	50%	Grey B	Sandy	Fair
HR-88	Soil	8"	Minor	dry	50%	dk. Grey B	Sandy	Fair
HR-91	Soil	6"	Moderate	dry	50%	B	Sandy	Fair
HR-92	Soil	6"	Minor	dry	25%	B	Sandy	Fair
HR-93	Soil	6"	Minor	dry	50%	B	Sandy	Fair
HR-94	Silt	surface	Nil	wet	50%	Grey	Sandy	Poor
HR-95	Soil	6"	minor	dry	50%	dk. B	Sandy	Fair
HR-96	Soil	8"	minor	dry	40%	B	Sandy	Fair
HR-97	Talus fines	surface	nil	dry	50%	B	Sandy	Fair
HR-98	Soil	8"	Moderate	dry	50%	B	Sandy	Fair
HR-102	Silt	surface	minor	wet	50%	Grey	Clayey	Fair
HR-103	Soil	6"	minor	dry	20%	B	Sandy	Fair
HR-104	Talus fines	surface	moderate	dry	10%	Grey	Sandy	Fair
HR-105	Soil	6"	minor	dry	50%	B	Sandy	Fair
HR-106	Soil	6"	minor	dry	50%	B	Sandy	Fair
HR-107	Soil	8"	minor	dry	50%	B	Sandy	Fair
HR-110	Soil	8"	minor	dry	20%	B	Sandy	Fair
HR-111	Soil	8"	minor	dry	20%	B	Sandy	Fair
HR-112	Soil	6"	minor	dry	50%	B	Sandy	Poor
HR-113	Talus fines	surface	-	dry	-	B	Sandy	Good

SAMPLE DESCRIPTION

HAR CLAIMS

J.R. ALLAN - AUG. 1973

PAGE 4

Sample No.	Sample Type	Depth	Amt. Organic Material	Sample Wet or Dry	%Coarse Sand or Rock Frags.	Color	Comments	Reliability
HR-114	Talus fines	surface	-	dry	-	B	Sandy	Fair
HR-118	Soil	6"	high	wet	<5%	Black	Mostly humus	Poor
HR-119	Talus fines	surface	v.v. minor	dry	70%	lt. B	Sandy	Fair
HR-120	Soil	6"	v.v. minor	dry	10%	lt. R.B.	Fairly good B zone	Good
HR-121	Talus fines	surface	nil	dry	50%	lt. B	Very fine sand	Good
HR-122	Talus fines	surface	minor	dry	30%	lt. R.B.	-	Fair
HR-123	Soil	4"	minor	dry	<10%	lt. R.B.	Gravelly B zone	Fair
HR-124	Talus fines	surface	v.v. minor	dry	10%	lt. B	-	Good
HR-125	Talus fines	4"	moderate	dry	30%	lt. B	-	Fair
HR-126	Talus fines	surface	nil	dry	10%	lt. B	Below gossan zone	Good
HR-127	Talus fines	surface	v. minor	dry	30%	lt. B	below gossan zone	Good
HR-128	Talus fines	surface	v. minor	dry	70%	lt. B	Below gossan zone	Fair
HR-129	Talus fines	surface	nil	dry	30%	lt. B	Below gossan zone	Good
HR-130	Talus fines	surface	v.v. minor	dry	20%	lt. B	-	Good
HR-131	Soil	6"	v. minor	dry	30%	dk. R.B.	Good B zone	Good
HR-132	Soil	6"	moderate	wet	30%	dk. B	Poor B zone	Fair
HR-133	Soil	8"	moderate	dry	10%	dk. B	Poor B zone	Fair
HR-134	Soil	6"	v.v. minor	dry	10%	lt. R.B.	Good B zone	Good
HR-135	Talus fines	4"	minor	dry	50%	lt. B	-	Fair
HR-136	Soil	8"	minor	dry	20%	R.B.	Good B zone	Good
HR-144	Talus fines	surface	moderate	dry	-	Grey B	Gravelly	Fair
HR-145	Talus fines	surface	moderate	dry	90%	-	-	Poor
HR-146	Silt	surface	nil	wet	-	Grey	-	Fair
HR-147	Soil	surface	nil	dry	-	-	Oxidized sand N. bank of creek	Good
HR-148	Soil	6"	minor	dry	30%	R.B.	Oxidized soil	Fair
HR-149	Soil	6"	minor	dry	20%	B	Sandy	Fair
HR-150	Soil	8"	minor	dry	20%	B	Sandy	Fair

SAMPLE DESCRIPTION
 HAR CLAIMS
 J.R. ALLAN - AUG. 1973

PAGE 5

Sample No.	Sample Type	Depth	Amt. Organic Material	Sample Wet or Dry	%Coarse Sand or Rock Frags.	Color	Comments	Reliability
HR-156	Talus fines	surface	v. minor	dry	-	Grey	Sandy	Poor
HR-157	Soil	6"	minor	dry	30%	B	Clay & Sand	Fair
HR-158	Soil	6"	v. minor	dry	25%	B	Sandy	Good
HR-159	Soil	6"	minor	dry	20%	B	Sandy	Good
HR-160	Soil	8"	v.v. minor	dry	-	R.B.	gossan soil, S. bank	Good
HR-161	Silt	surface	v.v. minor	wet	-	Grey R.B.	-	Good
HR-162	Soil	6"	minor	dry	50%	B	Sandy	Fair
HR-163	Soil	6"	minor	dry	10%	B	Sandy	Fair
HR-164	Soil	6"	minor	dry	20%	B	Sandy	Good
HR-165	Soil	8"	minor	dry	20%	dk. Grey B	Intermixed clay & sand	Fair

DOMINION OF CANADA:
PROVINCE OF BRITISH COLUMBIA.
To Wit:

In the Matter of a Silt-Soil Geochemical Survey
done on Har #1 Group of Mineral Claims on August 5 -
September 13, 1973.

I, Stephen C. Gower, for Kennco Explorations, (Western) Limited
of Vancouver

in the Province of British Columbia, do solemnly declare that the costs incurred on assessment work
on the Har #1 Group were as follows:

Wages:-	Rupert Allen, Aug. 5(1/2), 6,7,8,9	[Report writing]	\$ 183.33
]Sept. 11,12,13 [
		[Cost not included]	
	Mark Brunelle, Aug. 5(1/2), 6,7,8,9,10		\$ 133.06
Helicopter:-	206B, 7.3 hrs @ \$250/hr + fuel @ \$2.00/gal.		\$2,041.00
Food:-	11 Man-days @ \$10.00/day		\$ 110.00
Assays:	122 @ \$3.87		<u>\$ 472.14</u>
		Total	\$2,939.53

And I make this solemn declaration conscientiously believing it to be true, and knowing that it is of
the same force and effect as if made under oath and by virtue of the "Canada Evidence Act."

Declared before me at the
of _____ in the
Province of British Columbia, this
day of _____, A.D.

VANCOUVER, B. C.

MAY 24 1974

Sub-Mining Recorder

A Commissioner for taking Affidavits for British Columbia or
A Notary Public in and for the Province of British Columbia.

Stephen C. Gower



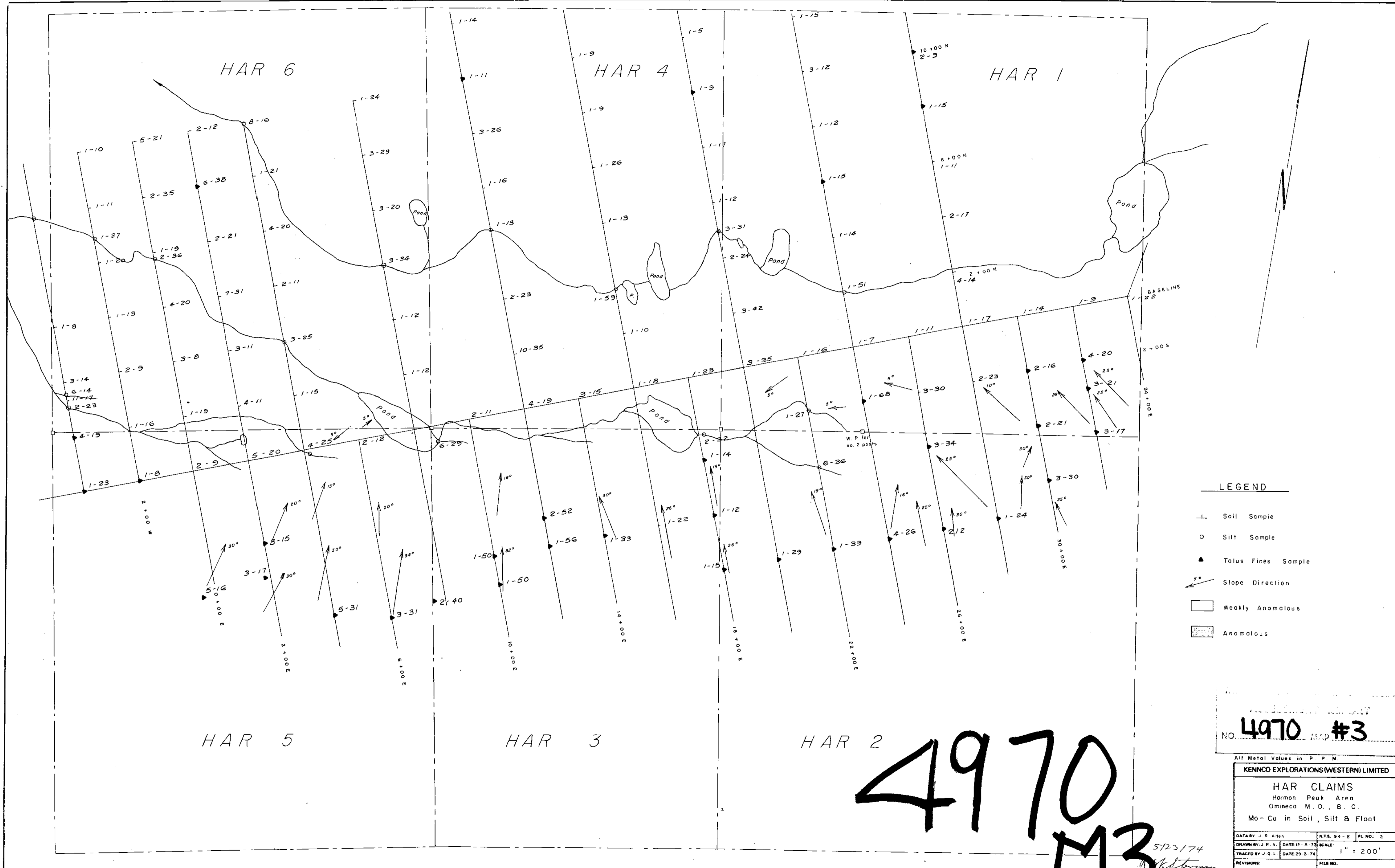
- LEGEND**
- TABLE GROUND - Intermediate to basic - gneisses**
- Felsic Gneiss - medium to finely bedded, well jointed, variable schistosity feature, variable in color
 - Amphibolite - massive, fine grained, fine green, vertical planes, small scale schistosity
- INTRUSIVES**
- Felsic - leucocratic, fine grained, alkali, contains minor decomposed pyrox
 - Carbonate Eoan - alkali, highly crystalline, coarse grained, ortho & clinopyrox
- Soil Sample
 - Soil Sample
 - Trace Fines Sample
 - Shear Direction
 - Drainage Boundary
 - Drainage Boundary

2000-01-01
 4970 #2

4970
 M2

KENROD EXPLORATIONS/WESTERN LIMITED	
HAR CLAIMS	
Harriet Pass Area	
Ontario, M. D., S. C.	
Geology	
Silt, Soil & Float Sample Sites	
Scale: 1" = 200'	North Arrow
Prepared by: [Name]	Date: [Date]

5/12/78
 K. [Name]



- LEGEND**
- ⊥ Soil Sample
 - Silt Sample
 - ▲ Talus Fines Sample
 - ↙ Slope Direction
 - Weakly Anomalous
 - ▨ Anomalous

NO. **4970** MAP #3

All Metal Values in P. P. M.

KENNCO EXPLORATIONS (WESTERN) LIMITED

HAR CLAIMS
 Harmon Peak Area
 Omineca M. D., B. C.
 Mo - Cu in Soil, Silt & Float

DATE BY J. R. A.	NTA 94-E	PL. NO. 2
DRAWN BY J. R. A.	DATE 12-8-73	SCALE: 1" = 200'
TRACED BY J. Q. L.	DATE 29-3-74	REVISIONS:
FILE NO.		

4970
M3

5/23/74



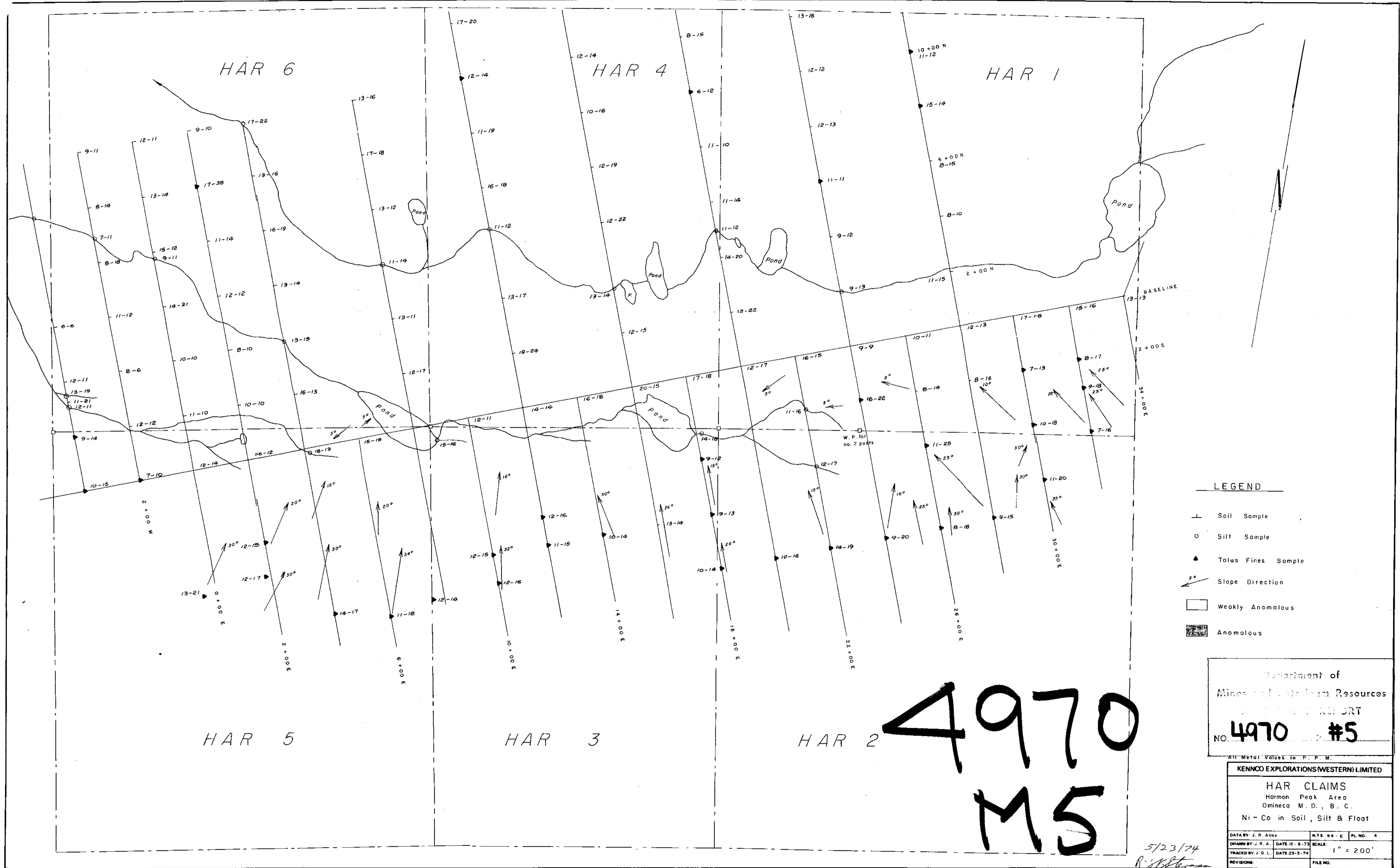
LEGEND

- 1 Soil Sample
- 2 Soil Sample
- ▲ Trace Free Sample
- ↔ Slope Direction
- 1 Mostly Anomalous
- 2 Anomalous

Part of
 and Minerals Resources
ASSESSMENT REPORT
 NO. **4970** MAP **#4**

KENNEDY EXPLORATIONS (WESTERN) LIMITED
HAR CLAIMS
 Mineral Poss. Area
 District: M. C., S. C.
 Zn-Pb in Soil, SHI & Float

4970
M4



- LEGEND**
- ⊥ Soil Sample
 - Silt Sample
 - ▲ Talus Fines Sample
 - ↘ Slope Direction
 - Weakly Anomalous
 - Anomalous

Department of
 Mines and Petroleum Resources
 Geology Branch
 NO. **4970** #5

ALL METAL VALUES IN P.P.M.

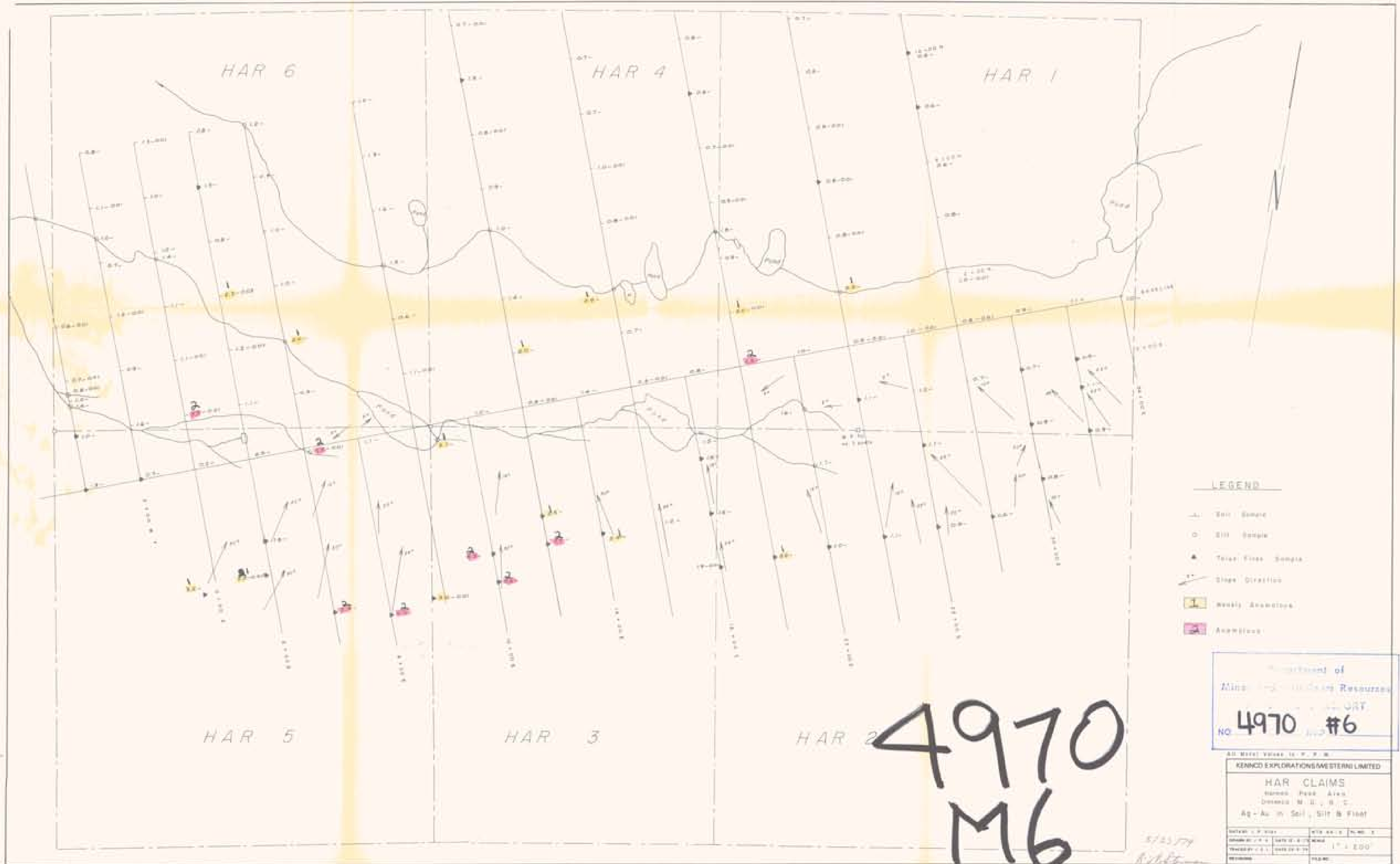
KENCO EXPLORATIONS (WESTERN) LIMITED

HAR CLAIMS
 Harmon Peak Area
 Omineca M.D., B.C.
 Ni-Co in Soil, Silt & Float

DATA BY: J. R. Allen	NTS 94-E	PL NO. 4
DRAWN BY: J. R. A.	DATE: 12-8-73	SCALE: 1" = 200'
TRACED BY: J. D. L.	DATE: 29-3-74	
REVISIONS:		FILE NO.

4970
M5

5/23/74
R. J. [Signature]



LEGEND

- Soil Sample
- Silt Sample
- ▲ Trace/Fine Sample
- Slope Direction
- ▭ Weekly Analyses
- Analyses

Department of
Mining and Geology Resources
No. 4970 #6

KENNEDY EXPLORATIONS WESTERN LIMITED

HAR CLAIMS
Horned Peak Area
District M. D., B. C.
Ag - Au in Soil, Silt & Float

DATE	SCALE	BY	CHECKED
	1" = 200'		

4970
M6

5/25/77
K. H. H.