

842356

PRELIMINARY EVALUATION REPORT  
OF THE "GOES HERE" CLAIMS  
PAM LAKE AREA

AUG 29, 1980

EVALUATION PROCEDURES AND COMMENTS

① CREEK TRAVERSES

WHILE TRAVERSING THE TWO MAIN CREEKS IN ORDER TO ESTABLISH A SILT SAMPLING PATTERN THE WIDE DISTRIBUTION OF RUSTY WEATHERING, PYRITIZED OUTCROP BECAME EVIDENT. IN BOTH TRAVERSES THE AMOUNT OF OUTCROP FAR EXCEEDED THE AMOUNT OF FLOAT SO THE EMPHASIS WAS ON DISTINCTIVE OUTCROP. IN THE SMALLER SUBSIDIARY CREEK FLOWING FROM THE SOUTH, THE THREE MAIN ROCK TYPES WERE: (A) A HIGHLY SILICEOUS, FINE GRAINED, WHITE-GRAY, RUSTY WEATHERING ROCK (BUT LACKING QUARTZ "EYES" OR DISTINCTIVE FLOW BANDING TO INDICATE RHYOLITIC), BASALT-ANDESITE SILLS AND THE MAJORITY OF OUTCROP CONSISTING OF A (B) TUFF-AGGLOMERATE UNIT COMPOSED OF SUBROUNDED TO SUBANGULAR VOLCANIC FRAGMENTS. THE LARGEST FRAGMENT IN OUTCROP ON THIS TRAVERSE WAS 25 CM ACROSS AND HEAVILY PYRITIZED INSIDE. ROCK SAMPLES OF VARIOUS RUSTY AND PYRITIC OUTCROPS WERE TAKEN DURING THE SILTING PROGRAM.

ON THE NORTHERN CREEK TRAVERSE, WHICH WAS THE MAIN FLOW OF THE MAIN RIVER, SIMILAR ROCK TYPES WERE FOUND; HOWEVER, THE TUFFACEOUS-AGGLOMERATE UNIT WAS FOUND TO CONTAIN FRAGMENTS OF FLOW BANDED RHYOLITE UP TO 3 METERS SQUARE ~~AND~~ SURROUNDED BY

SMALLER LAPILLI SIZED TUFFS. UPSTREAM, THE RIVER CONTAINED A NARROW GORGE FORMED BY A RESISTANT RHYOLITIC TUFF-AGGLOMERATE APPROXIMATELY 10 METERS IN WIDTH. ROCK SAMPLES WERE AGAIN TAKEN.

## ② SOIL GRID

THREE SOIL GRID LINES WERE COMPLETED, TWO OF WHICH WERE AIMED AT TOPOGRAPHIC HIGHS AND THE OTHER AT A BROAD FLAT AREA TO THE SOUTH. THE SOIL LINES WERE TIED INTO THE SILTING GRID WHENEVER POSSIBLE TO ACHIEVE A BETTER CONTROL. THE ONE INTERESTING GEOLOGICAL FEATURE ENCOUNTERED WAS NEAR THE TOP OF THE EASTERN TOPO-HIGH (REFER TO TOPO MAP). A HIGHLY SILICEOUS VERY RESISTANT ROCK FACE ABOUT 10 FEET HIGH WAS ENCOUNTERED. A ROCK SAMPLE WAS TAKEN.

A COMPLETE EVALUATION OF SILTING, SOILING AND ROCK SAMPLES WILL BE, OF COURSE, DEPENDENT ON GEOCHEMICAL RESULTS

### SAMPLING CODE:

ROCK SAMPLE - P.L. - KO-1 OR P.L. - DO-1  
SILT " - P.L. - KS-1 OR P.L. - DS-1  
SOIL " - GRID LOCATION + P.L.

CONCLUSIONS AND RECOMMENDATIONS:

WHILE MUCH OF THE EMPHASIS ON ADDITIONAL WORK WILL BE BASED ON THE SAMPLING RESULTS, I BELIEVE THAT THE AREA IS INTERESTING ENOUGH GEOLOGICALLY TO WARRANT SOME ADDITIONAL WORK REGARDLESS. THE ABUNDANT AMOUNT OF EXPOSED OUTCROP LENDS ITSELF TO EASIER MAPPING USING THE CREEKS AND THE ESTABLISHED SILT COVERAGE AS A CONTROL AND/OR POSSIBLE DETAILED AIR PHOTO BLOW UPS. BOTH CREEKS ARE SHALLOW ENOUGH TO BE CROSSED AT MANY POINTS ALONG THEIR LENGTH. MAPPING COVERAGE COULD BE EXTENDED IN ALL DIRECTIONS ON SMALLER CREEKS TO PROVIDE TIGHTER COVERAGE.

RESPECTFULLY,

Ken Hicks

Project PAM LAKE

NTS

Scale 1:5000

Page 1 of 2

Traverse

Sampler KEN HICKS

Location, Target (words)

Sample Nos

P.L.-K0-1 - ROCK

P.L.-KS-1 - SILT

Date AUG. 26, 1980

KEN'S CREEK TRAVERSE  
photo no. (SOUTHERN SUBSIDIARY CK)

Cert. Nos

ATTITUDES  
(100/40 N)

SANDSTONE  
SILTSTONE

CONGLOMERATE

VOLCANIC

CHERT

SHALE

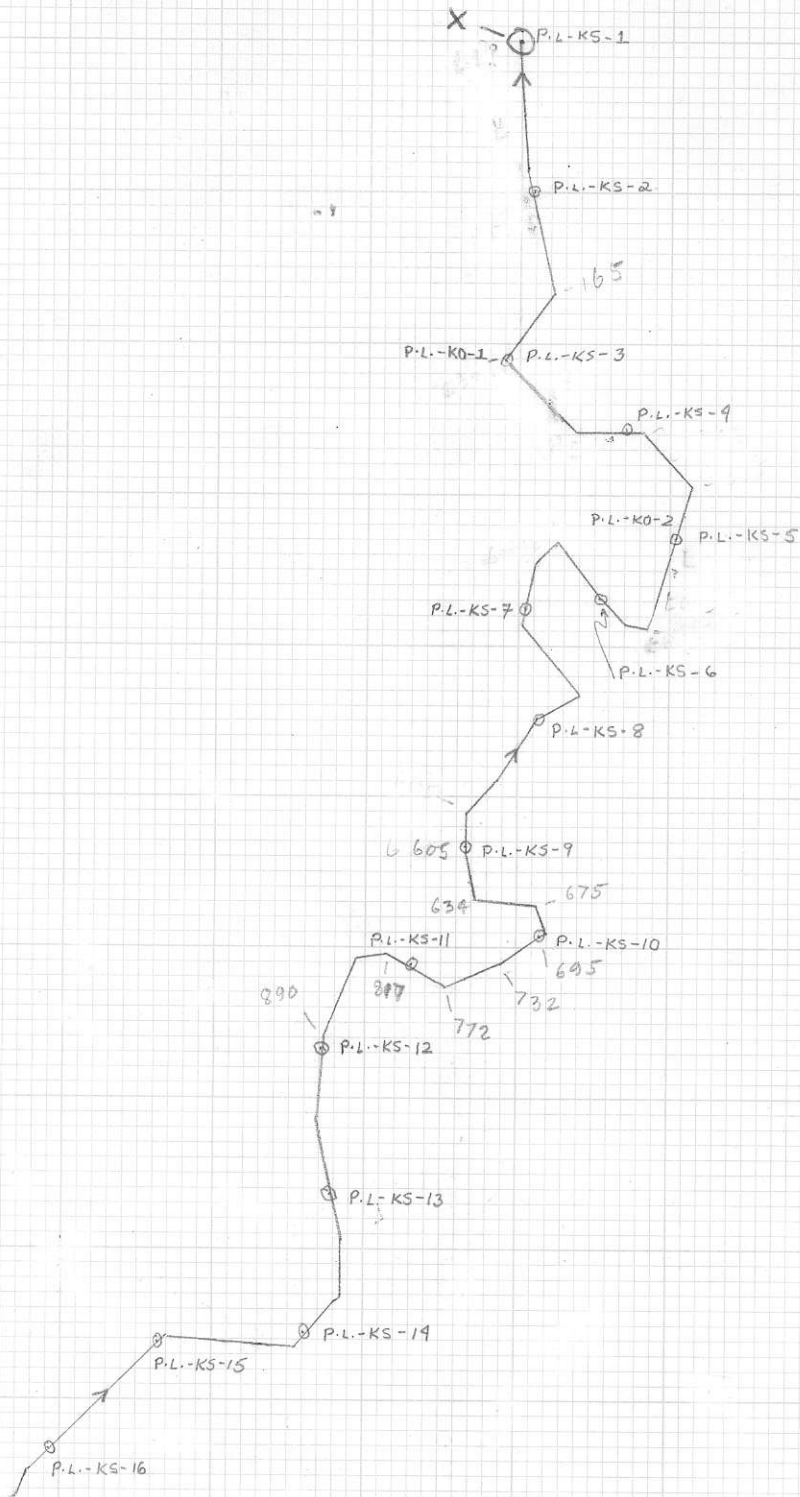
LIMESTONE  
DOLOMITE

INTRUSIVE

GOSSAN,  
MINERALS






SPECIMEN SITE A.B...; DO NOT WRITE ON OTHER SIDE OR USE COLOURS

DON'T FORGET CONTOURS, DRAINAGE, NORTH ARROW, LAT/LONG, SAMPLE SITES, WORKINGS, TRAILS, GOSSANS, OBSERVED GEOLOGY: DEFINED --- INFERRED - - - ASSUMED.....

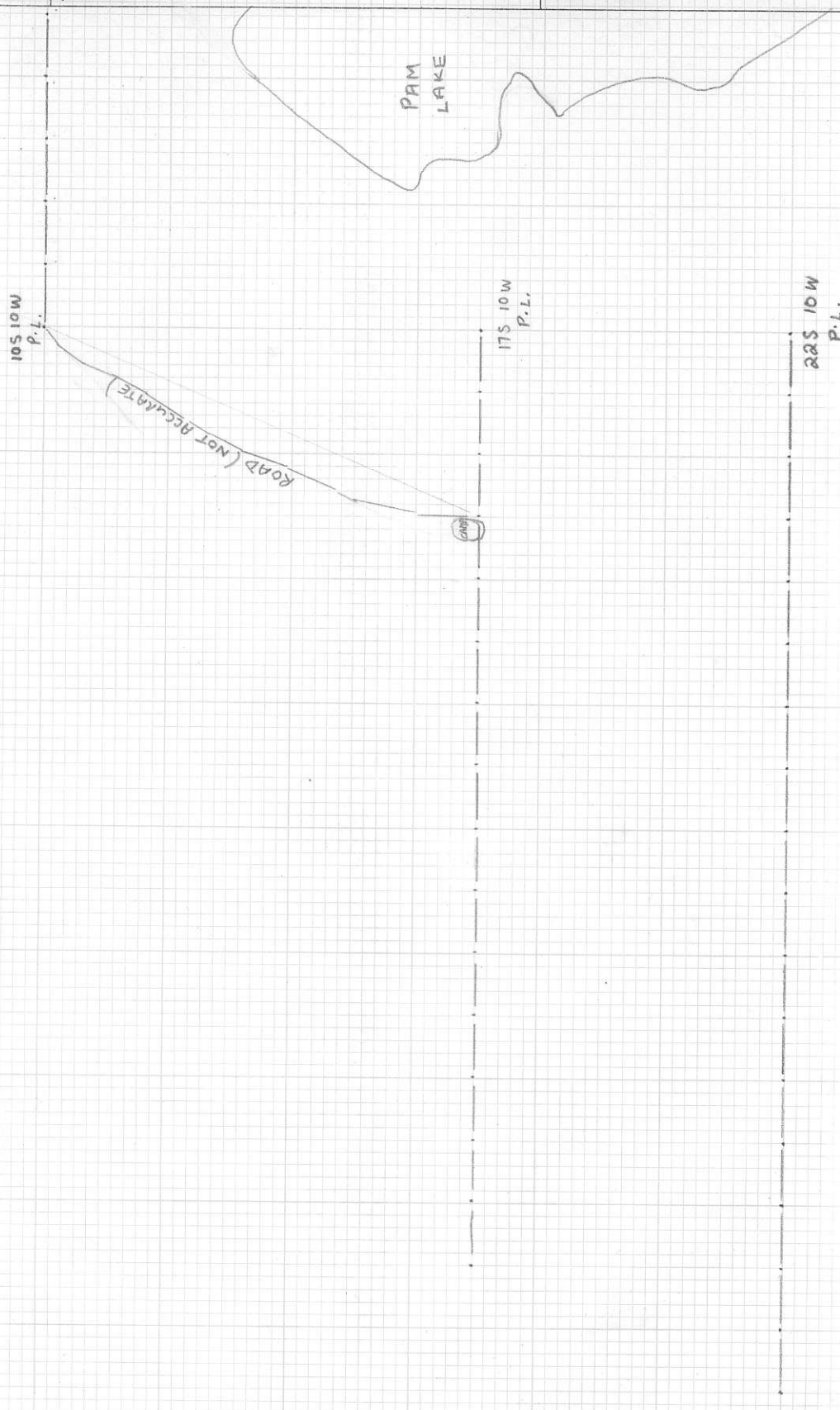


GEOCHEM: Cu Mo Pb Zn U W  
ASSAY:

ATTITUDES  
(1:100/40 N)

- INTRUSIVE 
- LIMESTONE DOLOMITE 
- SHALE 
- CHERT 
- VOLCANIC 
- CONGLOMERATE 
- SANDSTONE SILTSTONE 

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ATTITUDES  
(100/40 N)

Project PAM LAKE

NTS

Scale 1:5,000

Page 2 of 2

Traverse

Sampler KEN WICKS

Location, Target (words)

Sample Nos

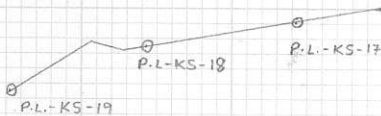
P.L.-KS-1 - ROCK

P.L.-KS-1 - SILT

Date AUG, 26, 1980

KEN'S CREEK TRAVERSE  
photo no.

Cert. Nos



SANDSTONE  
SILTSTONE

CONGLOMERATE

VOLCANIC

CHERT

SHALE

LIMESTONE  
DOLOMITE

INTRUSIVE

GOSSAN,  
MINERALS

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ASSAY:

GEOCHEM: Cu Mo Pb Zn U W

Project <b>PAM LAKE</b>	NTS	Scale <b>1:5,000</b>	Page	of	Traverse
Sampler <b>D. ABERCROMBIE</b>	Location, Target (words)		Sample Nos	<b>DO - ROCK</b> <b>DS - SILT</b>	
Date <b>AUG 28, 1990</b>	<b>MAMIN RIVER (DAVE'S CK TRAVERSE)</b>		Cert. Nos		
	photo no.				

ATTITUDES  
(100/40 N)

VOLCANIC  
CONGLOMERATE  
SANDSTONE  
SILTSTONE

CHERT

SHALE

LIMESTONE  
DOLOMITE

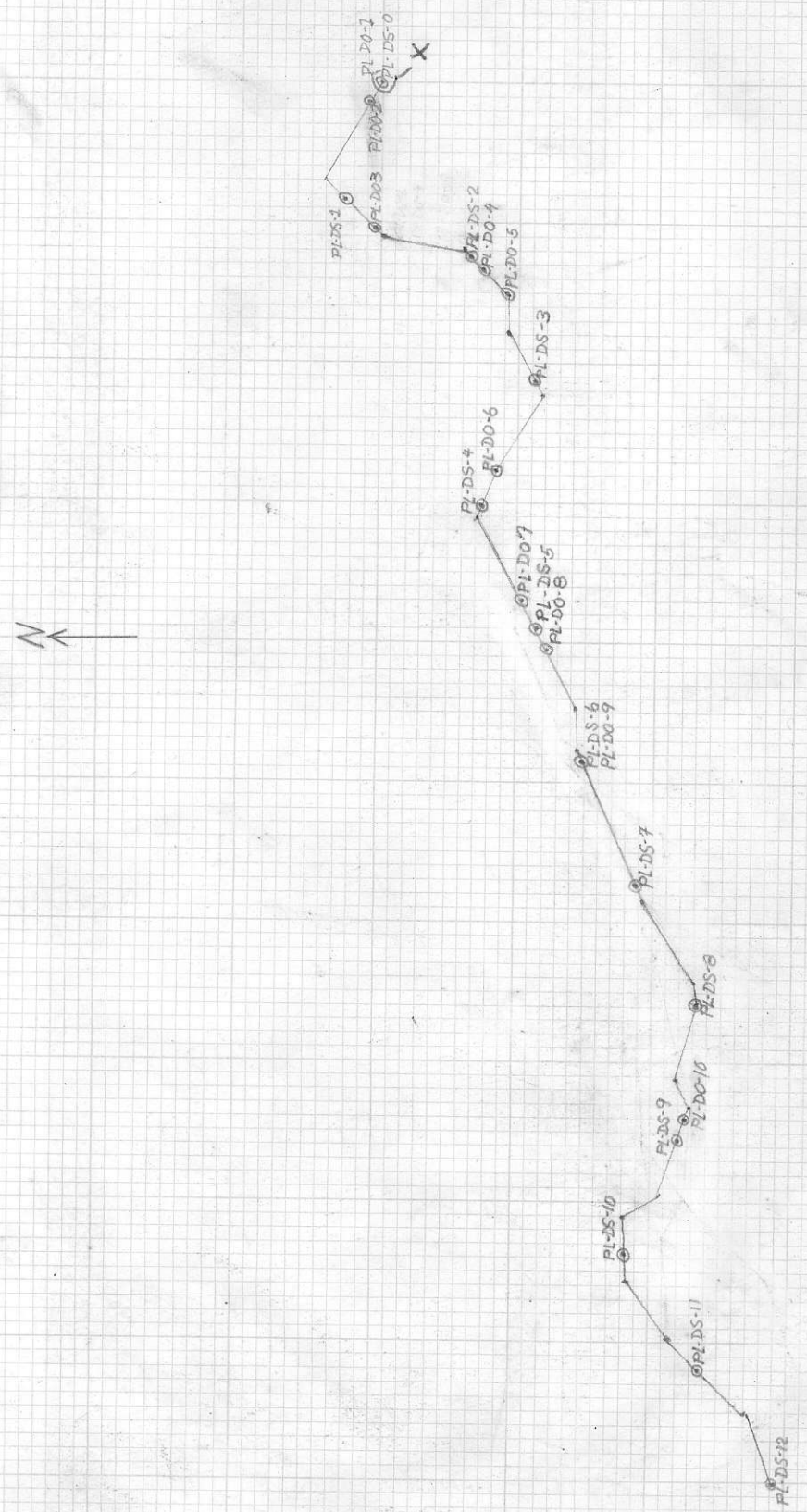
INTRUSIVE

SILT  
SOIL

ROCK

WATER

DO NOT WRITE ON OTHER SIDE OR USE COLOURS  
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Project <b>PAM LAKE</b>	NTS	Scale <b>1:5000</b>	Page	of	Traverse
Sampler	Location, Target (words)		Sample Nos		
Date	photo no.		Cert. Nos		



ATTITUDES  
(100/90 N)

SANDSTONE  
SILTSTONE

CONGLOMERATE

VOLCANIC

CHERT

SHALE

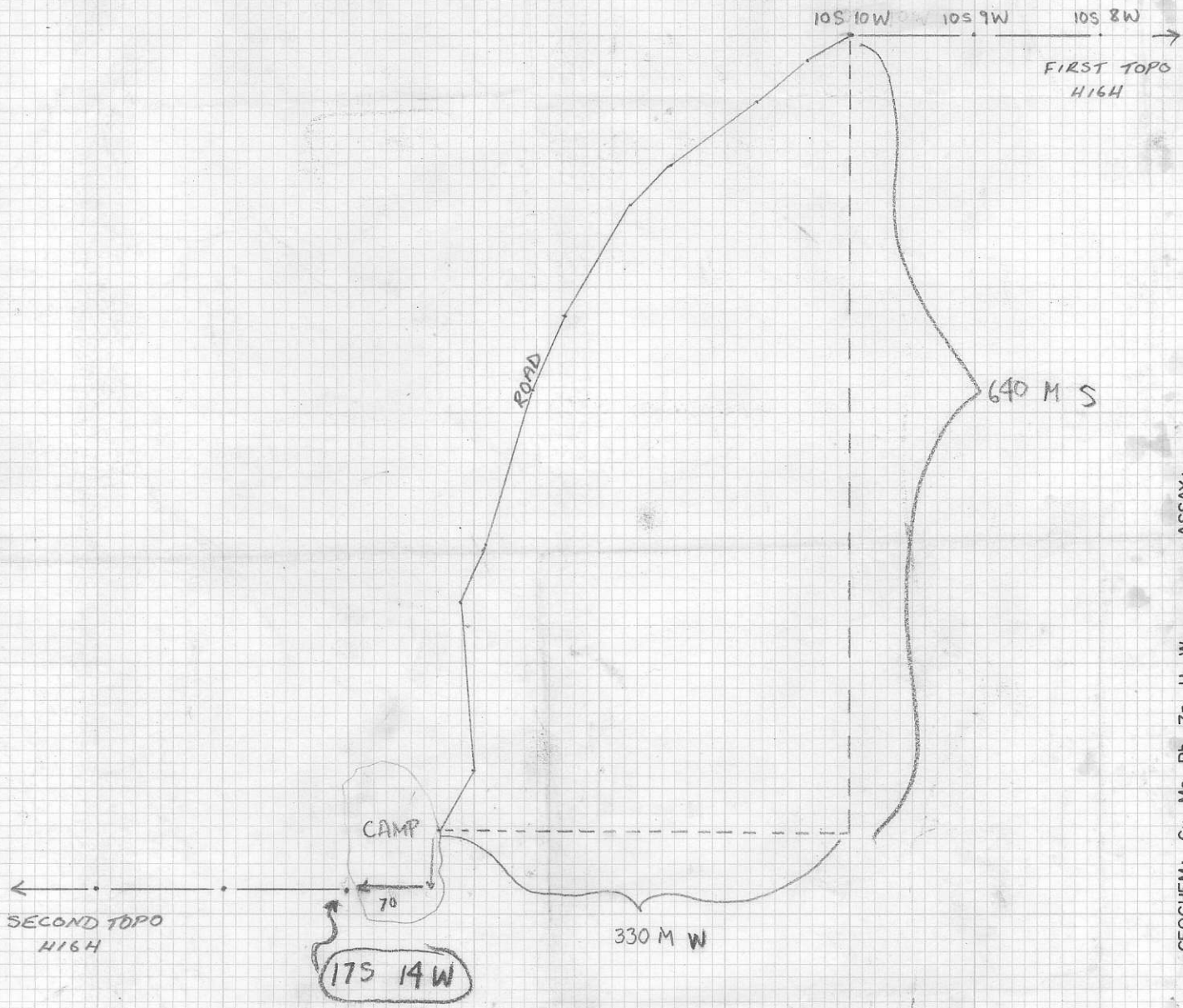
LIMESTONE  
DOLOMITE

INTRUSIVE

GOSSAN,  
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GEOCHEM: Cu Mo Pb Zn U W ASSAY:

THIRD LINE STARTED 1200 METERS NORTH OF END OF ROAD