ASSESSMENT REPORTS

MAP No. 1050-8 TYPE OF WORK: Geological (trenching)

REPORT FILED UNDER	SOUTHWEST POTASH CORPORATION
DATE PERFORMED	1964
LOCATION – LAT.	63°17'N Macmillan Pass area
LONG.	130°10'W Yukon-N.W.T. border
CLAIM Nos.	Judy group
WORK DONE BY	H.G. Sherwood
WORK DONE FOR	Southwest Potash Corporation
REMARKS.	Program of trenching and stripping on a scheelite showing.
	Assay results give some WO_3 values - all below 1%

MACMILLAN PASS TUNGSTEN SHOWING

TRENCHING REPORT ON THE JUDY - JILL CLAIM GROUPS

63° 16' N Latitude -- ~~102°~~ 30' W Longitude

Vancouver Office
October 1964

H.G. Sherwood

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SUMMARY AND CONCLUSIONS

During the month of July, 1964, a program of trenching was carried out. Representation work equivalent to $9050.00 was completed and has been apportioned as follows:

Group 1 (Judy 1-18) $393.05 per claim

Group 2 (Jill 8.9.12-15 incl.) $329.16 per claim

Trenching failed to disclose any new tungsten showings on the property.

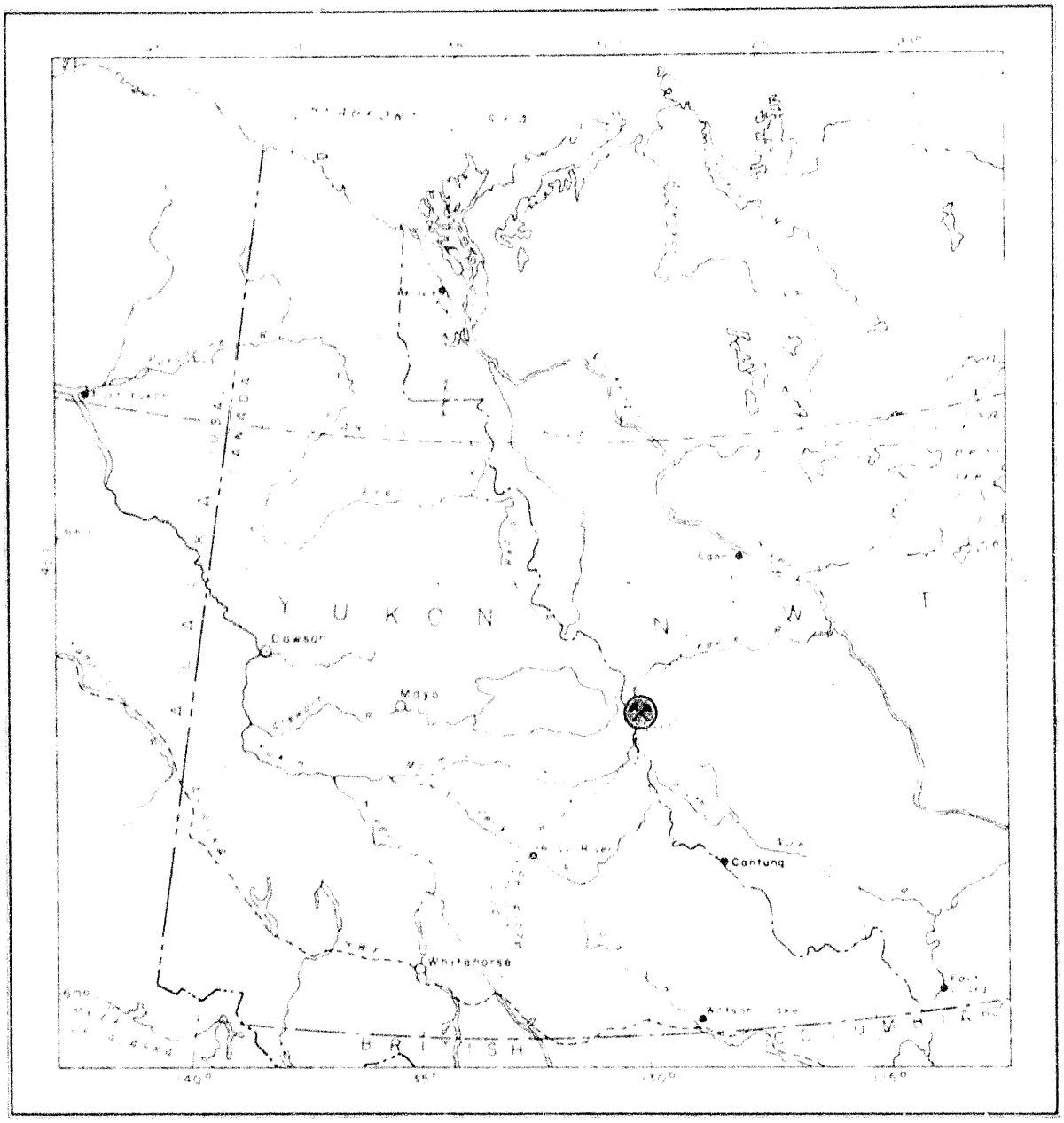
Trenching using a bulldozer would be a much more effective exploration test in terrain such as this. Drilling and blasting using the Cobra is not ideally suited to the surface conditions occurring on this property. Diamond drilling in the area of the main tungsten showing is the only method applicable to test this zone.

RECOMMENDATIONS

A feasibility study should be carried out to test the possibility of walking a bulldozer up the Canol Road from Ross River. Terrain around MacMillan Pass is ideally suited for such stripping and trenching.

Diamond drilling is a must to test the extent and grade of the main tungsten showing. Snow conditions and rock falls make this cirque face hazardous to prospect by normal surface methods.

It is further recommended that future parties gain access to the property by helicopter. The length of the cirque lake and the uncertainty of winds make fixed wing landings and take-offs very hazardous.



SOUTHWEST POTASH CORPORATION

MACMILLAN PASS TUNGSTEN SHOWING

YUKON - N.W.T.

LOCATION MAP

SCALE 1 : 1,250,000 MILES

Vancouver, B.C.

LOCATION, ACCESS, AND AREA.

The MacMillan Pass Tungsten Prospect of Southwest Potash Corporation is located along the Northwest Territories-Yukon Border at 63°17' N Latitude and 130°30' W Longitude. During the 1964 field season, Representation Work was carried out on twenty-four claims lying within the Northwest Territories.

The showing lies five miles north of the Canol Road, which connects Johnson's Crossing on the Alaska Highway to the small town of Canol on the MacKenzie River. The section between Johnson's Crossing and Ross River is open to traffic during the summer months. The section north from Ross River to the tungsten showing, a distance of about 125 miles, is not open to vehicular traffic.

Access to the property is best gained by aircraft. The small lake near the showing can be used by fixed wing aircraft (Super Cub or Beaver), but such methods are not recommended due to the size of the lake. The use of a helicopter-aircraft would be much safer.

Current Company holdings consist of forty-eight claims comprising a total of approximately 1920 acres. This report deals with the trenching program (1964) carried out on Claim Groups 1 and 2 which contain approximately 960 acres

(Figure 2).

Group 1 Judy claims 1 to 18 inclusive

Group 2 Jill claims 8.9.12 to 15 inclusive.

TRENCHING

General Statement

A program of trenching was carried out during July, 1964. Four men were on the property to complete this program.

Trench locations are shown in Figure 1.

Drilling was done using a Copco "Cobra" gas drill. All blasting was done using Forcite and safety fuse. Trench samples consisted of chip-channels cut along the entire sample lengths. Trenching was limited to areas of minimum frost heave. Surface conditions at the property are not best suited to drilling and blasting.

Description of Trenches (Figures 3 to 8 incl.)

Trench 1 - Approximately 12' of heavy pyrrohitite - pyroxene skarn containing abundant fine scheelite (up to 1.5% WO_3 estimated). Some fresh limestone was encountered at the north end of this trench. Beds trend SW and dip steeply north. Trench length = 20'.

Trench 2 - Same as trench 1. Trench length = 20'.

Trench 3 - Generally fresh limestone with skarny bands and patches. Trench lenght = 20'.

Trench 4 - The south end of this trench contained skarny limestone and small bands of skarn (only scattered pyrrhotite present). A thick band of fresh unaltered limestone makes up the central portion of the trench. At the north end, limestone passes into skarny limestone intermixed with argillaceous material. Trench length = 70'.

Trench 5 - In this area, quartz stringers and veins trending N-S, occur in a phyllitic schist. Mineralization of any type is sparse here. Stringers strike 015° and dip 40° E. Trench length - 9'.

Trench 6 - Northeast trending, unaltered limestone is exposed in this trench. Rare thin skarn bands are present. Trench length = 60'.

Trench 7 - In this area, argillite and skarny argillite are the dominant rock types. Rare thin limestone lenses are also present. Trench length = 75'.

Trenches 8 & 9 - Broken material consisted mainly of argillite with minor thin skarny and limey bands. Trench lengths = 21' and 22' respectively.

Trenches 10 & 11 - The section exposed here is essentially

argillite and limey argillite with scattered thin skarn bands (up to ½"). Trench lengths = 80' and 32' respectively.

Trench 16 -Very little bedrock encountered here. Blasted material was composed of leached, weathered argillite (frost heave) containing rare small sulphide (pyrite and pyrrhotite) pods. Skarn rock was very rare and scattered. Trench length = 20'.

Trench 17 -Well weathered rusty black shales were exposed here. Some disseminated pyrite noted on partings. Rare thin limestone bands were also noted. Attitudes are vague. Trench length = 25'.

Trenches 18 and 19 - This trenching exposed fresh limestone. In general, the limestone appeared weakly contorted and some minor patches of silicification were noted. Trends are N-S to NW with steep dips. Trench lengths = 20' and 6' respectively.

ASSAY RESULTS

Sample No.	Length	WO_3%	Trench No.
1601	12'	0.92	1
1602	8'	0.34	1
1603	20'	0.90	2
1604	20'	0.06	3
1605	18'	0.68	4
1606	20'	0.36	4
1607	10'	0.72	4
1608	25'	0.02	7

Sample No.	Length	WO_3(%)	Trench No.
1609	30'	0.02	7
1610	40'	0.46	10
1611	40'	0.39	10
1612	12'	0.02	11
1613	20'	0.03	11
1614	80'	0.17	12
1615	30'	trace	13
1616	20'	trace	14
1617	20'	trace	15
1618	20'	trace	16
1619	25'	trace	17
1620	20'	trace	18

VOLUME OF TRENCHING

Trench No.	L. W. D.		
1	20 x 5 x 3	= 300 cu.ft.)	
2	20 x 5 x 3	= 300 cu.ft.)	
3	20 x 5 x 3	= 300 cu.ft.)	
4	70 x 5 x 3	= 1050 cu.ft.)	
5	9 x 5 x 3	= 135 cu.ft.)	Group 1-18 claims
6	60 x 5 x 3	= 900 cu.ft.)	
7	75 x 5 x 3	= 1125 cu.ft.)	(Judy 1-18)
8	21 x 5 x 3	= 315 cu.ft. ;	
9	22 x 5 x 3	= 330 cu.ft.)	
10	80 x 5 x 3	= 1200 cu.ft.)	
11	32 x 5 x 3	= 480 cu.ft.)	
12	80 x 5 x 3	= 1200 cu.ft.)	
		7635 cu.ft. = 283 cu.yds.	
13	30 x 5 x 3	= 450 cu.ft.)	
14	20 x 5 x 3	= 300 cu.ft.)	
15	20 x 5 x 3	= 300 cu.ft.)	Group 2-6 claims
16	20 x 5 x 3	= 300 cu.ft.)	(Jill 8.9.12-15incl)
17	25 x 5 x 3	= 375 cu.ft.)	
18	20 x 5 x 3	= 300 cu.ft.)	
19	6 x 5 x 3	= 90 cu.ft.)	
		2115 cu.ft. = 79 cu.yds.	
PROJECT TOTAL		= 9750 cu.ft. = 362 cu.yds.	

Man-days trenching (9 x 4 = 36 2 x 3 = 6= 42 man-days.

VALUE OF REPRESENTATION WORK AND MEN EMPLOYED

ASSESSMENT VALUE

Group 1 - 18 claims (Judy 1-18 incl.)

283 cu.yds. @ $25.00/cu.yd.	=	$7075.00
value per claim = $\frac{7075.00}{18}$	=	393.05

Group 2 - 6 claims (Jill 8.9.&12-15 incl.)

79 cu.yds. @ $25.00/cu.yd.	=	1975.00
value per claim = $\frac{1975.00}{6}$	=	329.16
TOTAL FOR GROUPS 1 and 2=		$9050.00

PERSONNEL EMPLOYED ON PROJECT

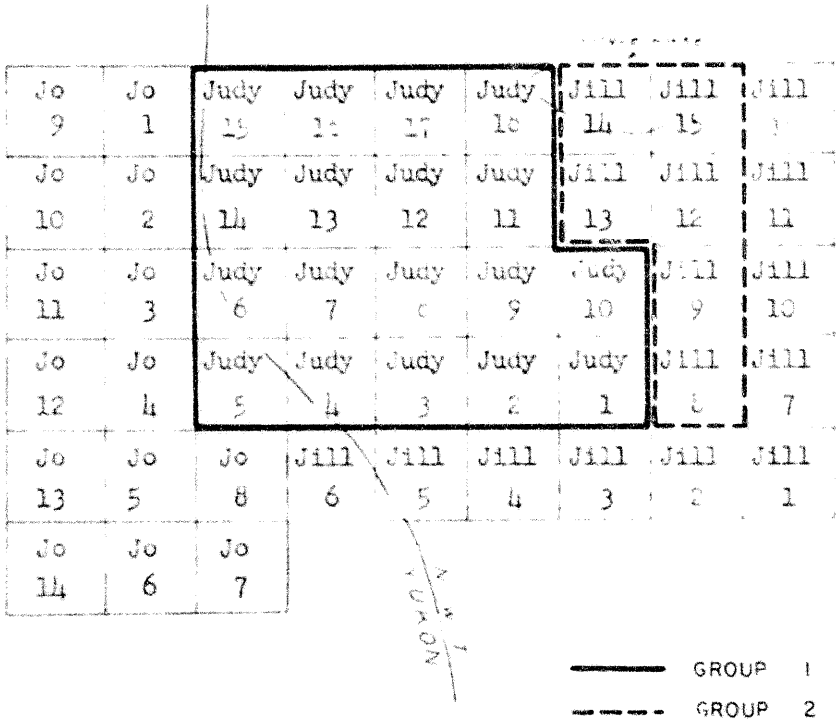
H.G. Sherwood	Winnipeg, Man.	Geologist i/c
P.T.P. McCullough	Burnaby, B.C.	Asst.Geol.
L. Jones	Kelowna, B.C.	Driller
V. Carlick	Telegraph Creek, B.C.	Driller

TOTAL MAN DAYS FOR PROJECT

Trenching	=	42
Office	=	3
TOTAL MAN DAYS	=	47

Vancouver Office
October, 1964

H.G.Sherwood



Note:-

2 post staking - Recorded Mayo Mining District, Y.T.N.
4 post staking - Recorded Yellowknife Mining District, N.W.T.

FIG. 1

SOUTHWEST POTASH CORPORATION

Mac MILLAN PASS TUNGSTEN

CLAIM SKETCH

Scale 1" = 1/2 Mile approx

JUDY 15
N-34189

JUDY 16
N-34182

JUDY 17
N-34183

JUDY 18
N-41434

JILL 14
N-41451

JILL 15
N-41452

CIRQUE

LAKE

JUDY 14
N-34186

JUDY 13
N-41429

JUDY 12
N-41428

JUDY 11
N-41427

JILL 13
N-34184

JILL 12
N-41446

JUDY 6
N-41422

JUDY 7
N-41423

JUDY 8
N-41424

JUDY 9
N-41425

JUDY 10
N-41426

JILL 9
N-41443

JUDY 5
N-41421

JUDY 4
N-41420

JUDY 3
N-41419

JUDY 2
N-41418

JUDY 1
N-41417

JILL 8
N-41442

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

TRUE NORTH

LEGEND

2/ - TRENCH AND NUMBER

GROUP 1 - CLAIMS JUDY 1-18 INCL
GROUP 2 - CLAIMS JILL 8,9, & 12-15 INCL

SOUTHWEST POTASH CORPORATION

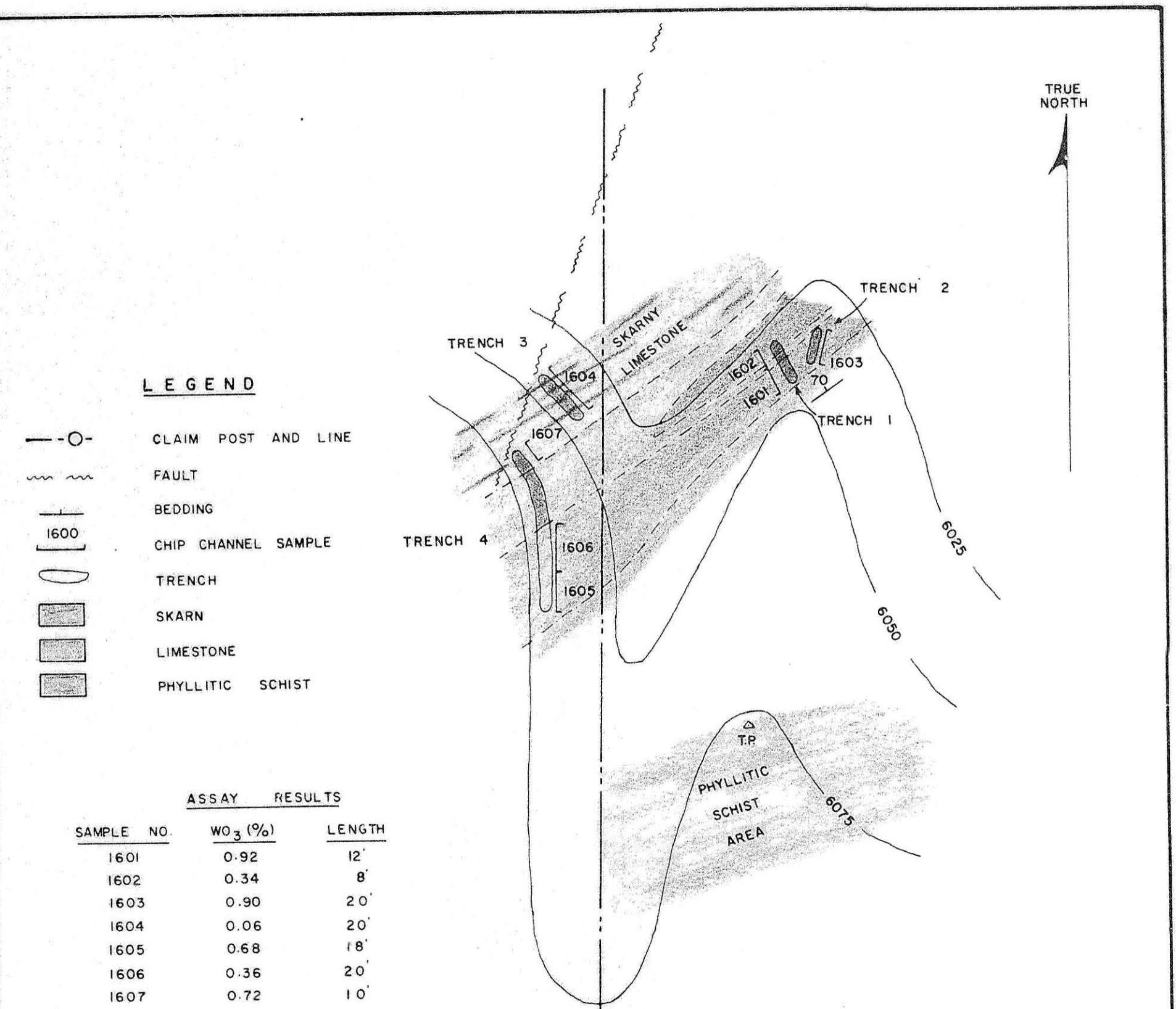
MACMILLAN PASS TUNGSTEN SHOWING

N.W.T.

TRENCHING PLAN

SCALE. 1" = 660'
AUG, 1964

FIGURE 2



LEGEND

- CLAIM POST AND LINE
- FAULT
- BEDDING
- 1600 — CHIP CHANNEL SAMPLE
- TRENCH
- SKARN
- LIMESTONE
- PHYLLITIC SCHIST

ASSAY RESULTS

SAMPLE NO.	WO_3 (%)	LENGTH
1601	0.92	12'
1602	0.34	8'
1603	0.90	20'
1604	0.06	20'
1605	0.68	18'
1606	0.36	20'
1607	0.72	10'

SOUTHWEST POTASH CORPORATION

MACMILLAN PASS TUNGSTEN SHOWING

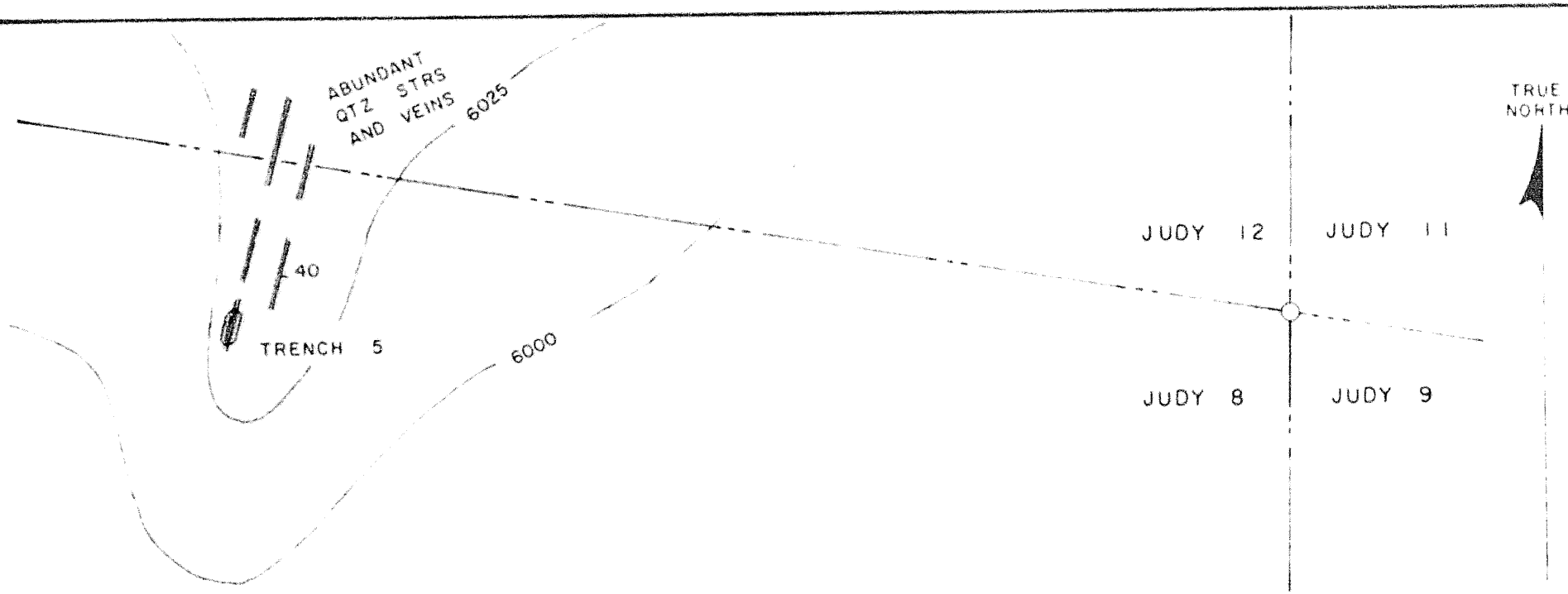
N. W. T.

PLAN OF TRENCHES 1,2,3,&4.

SCALE: 1" = 50'

AUG., 1964.

FIGURE 3



LEGEND

- CLAIM POST AND LINE
- QUARTZ VEIN ATTITUDE
- TRENCH
- QUARTZ VEIN
- PHYLLITIC SCHIST

SOUTHWEST POTASH CORPORATION

MACMILLAN PASS TUNGSTEN SHOWING

N. W. T.

PLAN OF TRENCH 5

SCALE 1" = 50'

AUG., 1964

FIGURE 4

LEGEND

- CLAIM POST AND LINE
- ASSUMED FAULT
- BEDDING
- 1600 — CHIP CHANNEL SAMPLE
- TRENCH
- SKARN
- BROWN ARGILLITE
- BLACK ARGILLITE
- LIMESTONE

ASSAY RESULTS

SAMPLE NO.	WO_3 (%)	LENGTH
1608	0.02	25'
1609	0.02	30'
1610	0.46	40'
1611	0.39	40'
1612	0.02	12'
1613	0.03	20'

1612
1613
TRENCH 11
SKARNY ARGILLITE
SKARNY ARGILLITE
1611
TRENCH 10
1610
JUDY 18
JILL 14
JUDY 11
JILL 13
TRUE NORTH
5400
T.P
5500
MINOR LIMESTONE
MINOR LIMESTONE
TRENCH 9
TRENCH 8
BLACK SHALE AREA
5600
1609
SKARNY ARGILLITE
5700
1608
SKARNY ARGILLITE
TRENCH 7
5800
TRENCH 6
75
LIMESTONE AREA

SOUTHWEST POTASH CORPORATION

MACMILLAN PASS TUNGSTEN SHOWING

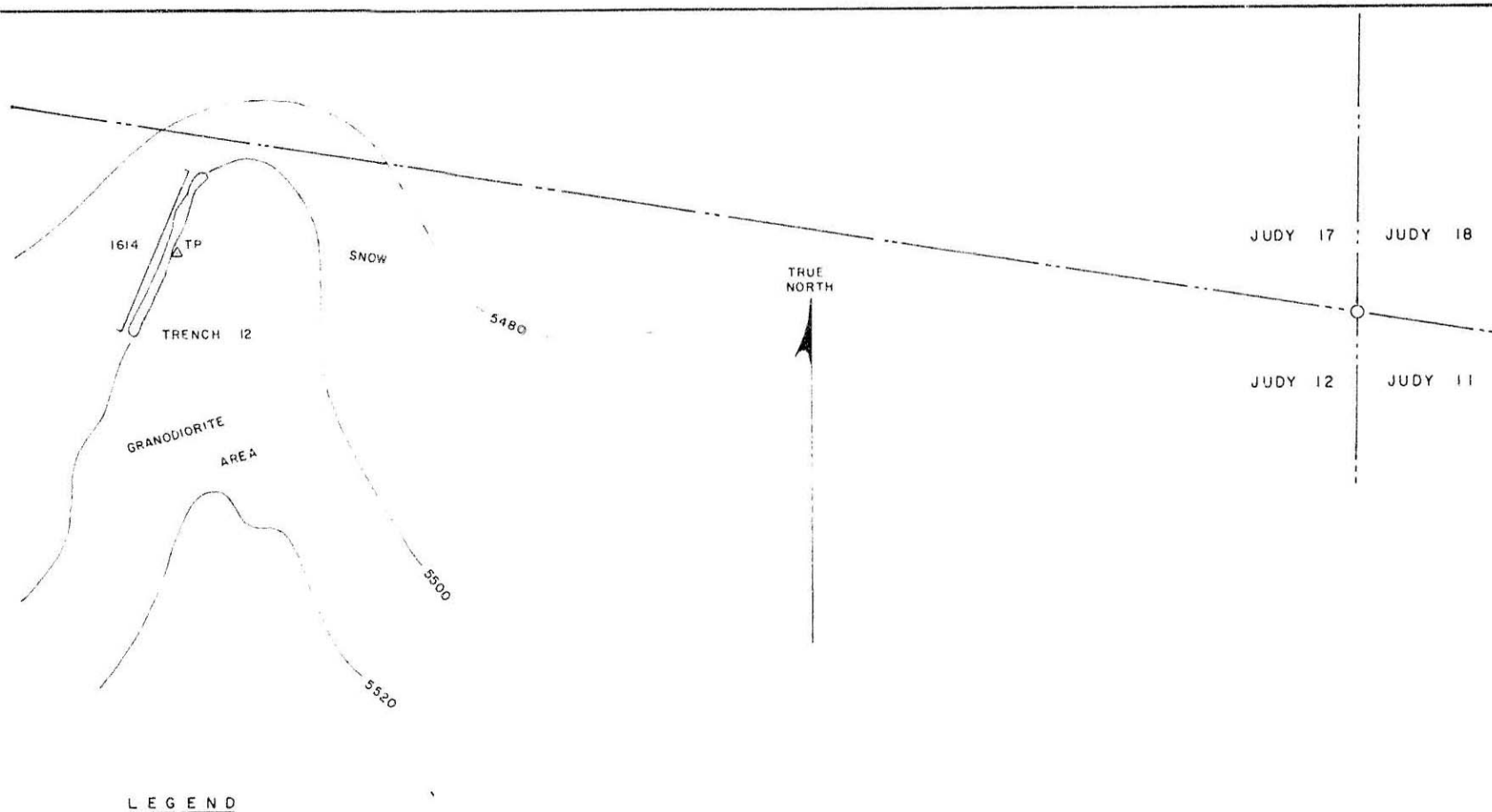
N. W. T.

PLAN OF TRENCHES 6,7,8,9,10,&11.

SCALE : 1" = 50'

AUG., 1964.

FIGURE: 5



LEGEND

—O—	CLAIM POST AND LINE
	ASSUMED FAULT
	BEDDING
1600	CHIP CHANNEL SAMPLE
	TRENCH
	GRANODIORITE

ASSAY RESULTS

SAMPLE NO	WO_3 (%)	LENGTH
1614	0.17	80

SOUTHWEST POTASH CORPORATION

MACMILLAN PASS TUNGSTEN SHOWING

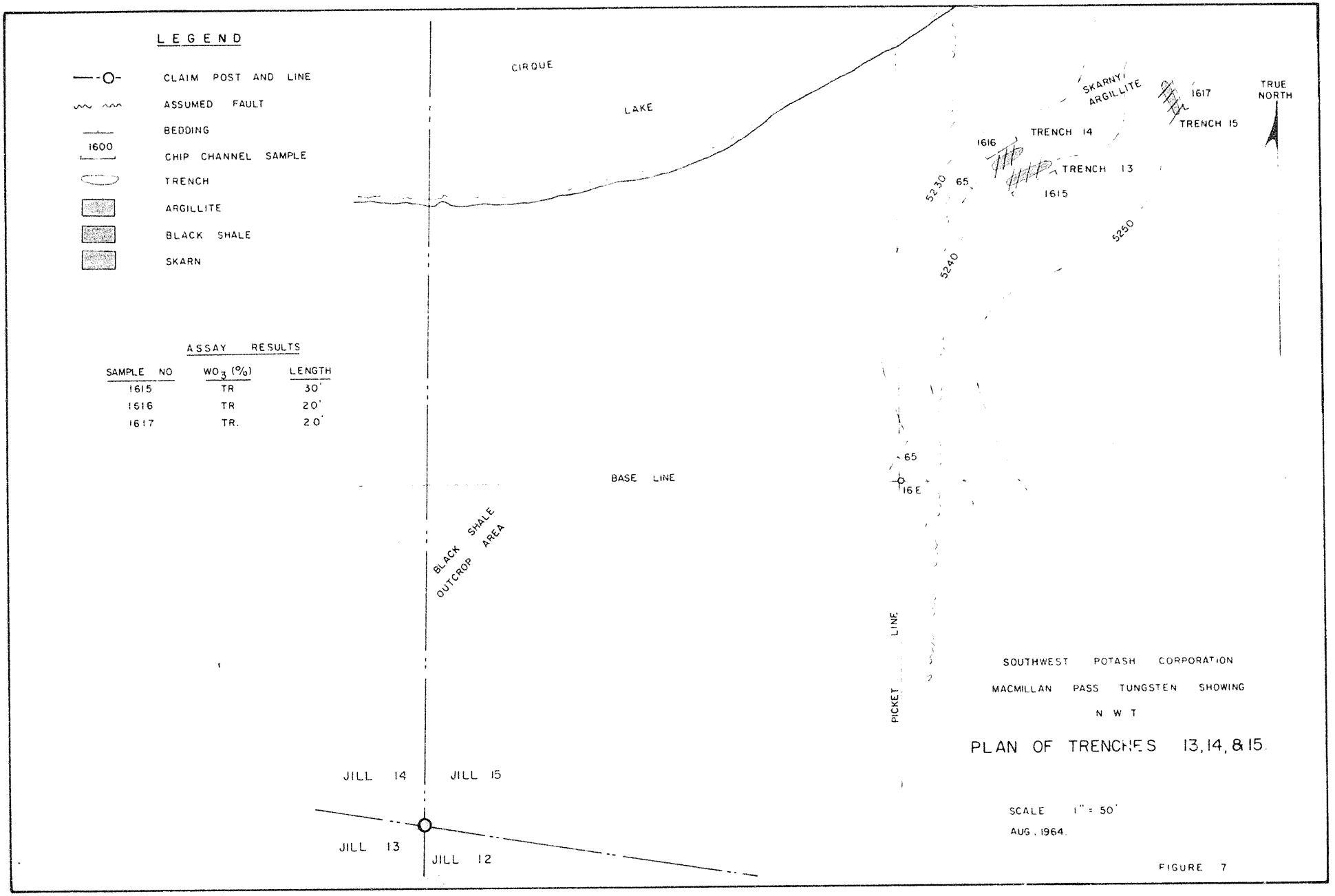
N W T

PLAN OF TRENCH 12

SCALE 1" = 50'

AUG, 1964

FIGURE 6



ASSAY RESULTS

SAMPLE NO	WO_3 (%)	LENGTH
1615	TR	30'
1616	TR	20'
1617	TR.	20'

SOUTHWEST POTASH CORPORATION

MACMILLAN PASS TUNGSTEN SHOWING

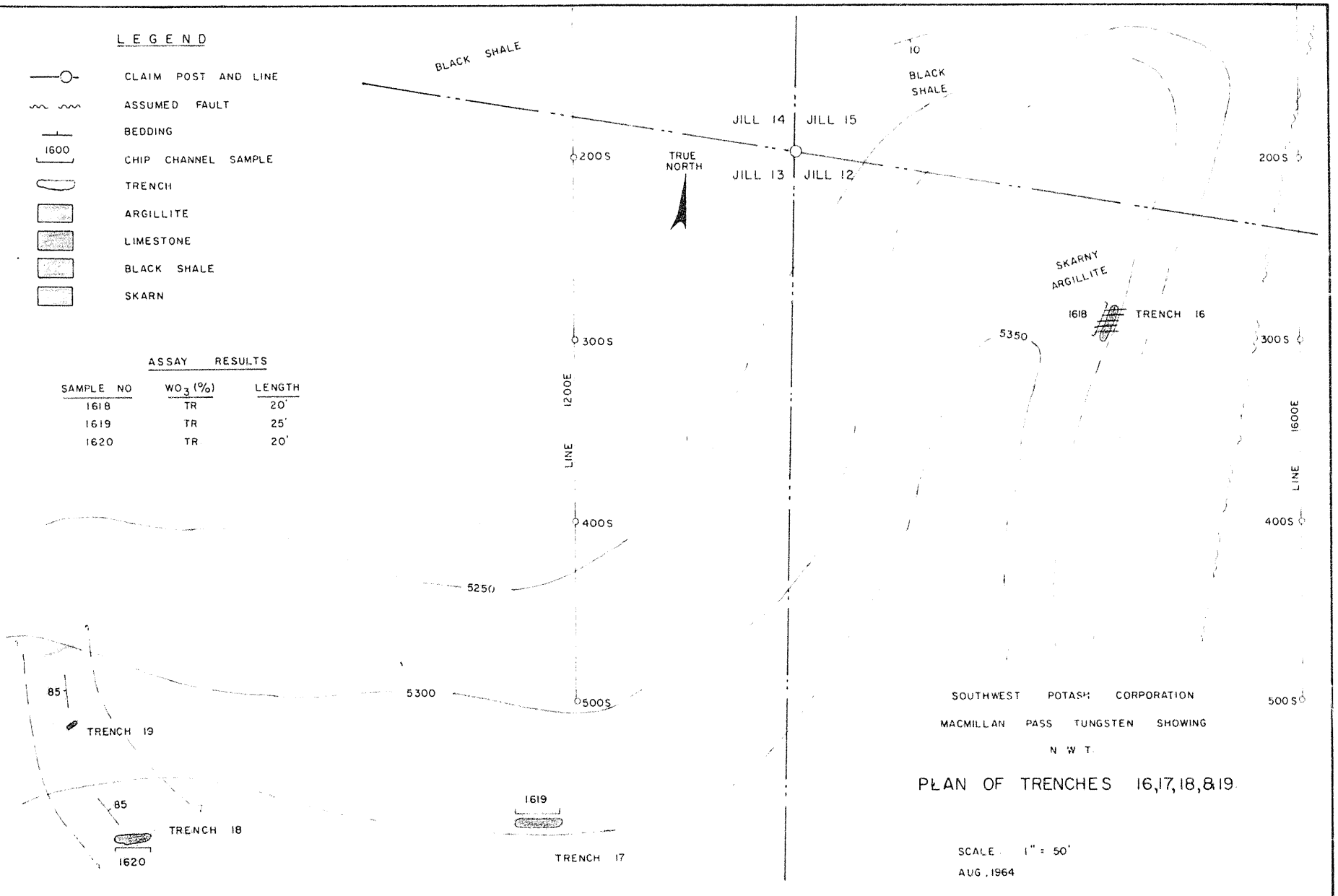
N W T

PLAN OF TRENCHES 13, 14, & 15.

SCALE 1" = 50'

AUG. 1964.

FIGURE 7



ASSAY RESULTS

SAMPLE NO	WO_3 (%)	LENGTH
1618	TR	20'
1619	TR	25'
1620	TR	20'

SOUTHWEST POTASH CORPORATION

MACMILLAN PASS TUNGSTEN SHOWING

N.W.T.

PLAN OF TRENCHES 16,17,18,&19

SCALE 1" = 50'

AUG., 1964

FIGURE 8