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REPORT ON DIAMOND DRILLING PROGRAM

PTERD, KNIT, PTOES CLAIMS

Mayo Mining Division, Y.T.
Claim Sheet 106C/14

Lat. 64°57'N Long. 133°18'W

September 30, 1976

Colin J. Riley Geologist

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INTRODUCTION

The Pterd claims cover a uranium occurrence found by Wernecke Joint Venture (Standard Oil Company of B.C. Ltd., Aquitaine Company of Canada Limited and Messrs. L. and H. Clay) in July, 1975 and explored by preliminary geological mapping and radiometric surveys. The 1976 work described in this report consisted of 1,544 feet of diamond drilling in five holes under contract to Caron Diamond Drilling Limited, Whitehorse, Y.T.

The drilling was performed from a camp established on the Pterd claims which was supplied and supervised from a Bell G473B helicopter supported exploration field camp located at Fairchild Lake, 12 miles to the west. The drill camp was managed and the core logged by geologist Colin J. Riley. This project was managed by Archer, Cathro & Associates, Ltd. The drilling was carried out during the period 14 August 1976 to 14 September 1976.

The work was conducted under Atomic Energy Control Board Exploration Permit #MX18-76 issued to Eldorado Nuclear Limited for exploration in Yukon Territory. Land Use Permit #Y75J217 issued by the Regional Director, Forest & Lands Division, Dept. of Indian Affairs and Northern Development and Water Use Permit #Y4A3-0583 issued under Section 11 of the Northern Inland Water Regulations apply to this work.

PROPERTY LOCATION AND ACCESS

The property consists of ~~65~~ 84 contiguous mineral claims recorded in the Mayo Mining Division as follows:

CLAIM NAMES	GRANT NUMBERS	EXPIRY DATES
Pterd 1-10	Y98056-Y98065	27 April, 1978
Pnerd 1-4	Y98240-Y98243	27 April, 1978
Ptoes 1-8	YA1328-YA1335	18 September, 1976
Skin 1-4	YA1336-YA1339	18 September, 1976
Knit 1-8	YA1320-YA1327	18 September, 1976
Knit 9-14	YA5997-YA6002	26 July, 1977
Knit 15-26	YA6431-YA6442	13 August, 1977
Ptoes 9-22	YA6200-YA6213	2 August, 1977
Knit 9-22	YA5573-YA5586	2 July, 1977

CLAIM NAMES	GRANT NUMBERS	EXPIRY DATES
Pterd 11F-12F	YA5933-YA5934	16 July, 1977
Pterd 13-14	YA5995-YA5996	26 July, 1977

The property is located at latitude 64°57' north longitude 133°18' west on NTS claim sheet 106C/14, 120 miles northeast of Mayo. Access was by helicopter from the Wernecke Joint Venture (WJV) base camp at ~~Kiwi~~ Fairchild Lake, 12 miles to the west.

An emergency bush airstrip, suitable for single engine aircraft, is located near the junction of Tetrahedrite Creek and Cobalt Creek, about two miles south of the property. It was constructed in 1968 with equipment brought in over a winter road from the Wind River trail, a winter route situated 56 miles to the west. A bulldozer trail extends from the airstrip onto the property at the headwaters of Cobalt Creek.

GEOLOGY AND MINERALIZATION

The Pterd claims were staked to cover a train of radioactive float lying on a stagnating alpine glacier in a north facing steep-wall valley. Topography in the claim area is characterized by steep rugged knife-edge ridges reaching 6 to 7 thousand feet in elevation which have been deeply incised by cirquing. Geological mapping and prospecting is difficult due to thick accumulations of local debris in the valleys combined with steep inaccessible valley walls. The north facing valleys are not snow-free until mid July and fresh snowfall can be expected by late August. The area is mapped by the Geological Survey of Canada (Open File 205, 1974, Nadaleen River) as Helikian units HSC, argillite, limestone and calc silicate and HSC argillite and quartzite. The rocks on the Pterd claim consist of a fine grained sometimes phyllitic metavolcanic with siltstone interbeds folded and distorted by intrusive explosive gas vent breccias. The breccias are polymict, containing subangular to subrounded fragments of pink and flesh coloured chert, carbonate, dark green volcanics, and brown siltstones set in a carbonate matrix. The breccias

crosscut and fold the metavolcanics due to the force of their emplacement. Dolomite alteration is common both in the breccia and in the surrounding rocks and bleaching and leaching of the dark host rock to pale greenish colour occurs. The metavolcanics close to the breccia are themselves shattered to form a monomict breccia.

A major north-south fault strikes through the property following the westerly intra cirque spur. This fault separates stratigraphically lower metavolcanics on the east from higher argillites and carbonates on the west. The combined effects of faulting and breccia emplacement have formed a tectonic breccia in the metavolcanics. It commonly exhibits angular fragments separated but possibly only slightly rotated with interstices filled with milky quartz and in places white carbonate.

The bulk of the mineralization appears to be confined to the bleached or dark metavolcanics, most of which exhibit some degree of brecciation. The breccia is tightly cemented with individual fragments up to two inches across. The mineralization is pitchblende occurring as sooty black amorphous material with minor pyrite and chalcopyrite surrounding and filling micro-fractures in individual breccia fragments. Yellow and green secondary oxides are occasionally seen.

The source of the mineralization appears to be at the base of the cirque headwall which is now buried under un-mineralized talus from the ridge top. Minor pitchblende has been located in fractures near the north-south fault on both sides of the headwall (Pterd cirque and Cobalt cirque).

DIAMOND DRILLING

Logistics

Diamond drilling was contracted to E. Caron Diamond Drilling, Limited, Whitehorse and the camp and cook were provided by Wernecke Joint Venture. The drill and accessory equipment were mobilized to Dolores Creek airstrip by fixed wing aircraft and from there to the drill sites by Bell 47B3 helicopter. All

holes were drilled with BQ line wire equipment with excellent core recovery and no requirements for sludge samples. Drill sites were prepared by hand and the drill moved with the Fairchild Lake based helicopter. Drill mobilization started on 14 August, 1976 and 1544 feet in five holes from three drill sites were completed by 13 September, 1976. The drill and accessory equipment were mobilized to Dolores Creek airstrip by helicopter and from there to Mayo by fixed wing aircraft. Drill core was logged at the Fairchild Lake base camp and is permanently stored with the Dept. of Indian and Northern Development at Whitehorse. No mineralization was encountered in the drilling so no assaying was carried out. One hole was lost due to freezing in permafrost when the drill broke down. Attempts to recover the drill string were unsuccessful and sixty feet of rod plus core barrel, bit and reaming shell were left in the hole. Bedrock was unfractured and no cementing was required.

Discussion

Drill holes were located to test two hypotheses. Hole B-1 was drilled to determine if a mineralized zone existed underneath the glacier. The hole was collared in ice and passed through 196 feet of clear ice while encountering only two boulders. The rock cut in the remainder of the hole consisted of minor gas vent breccia and a tectonic volcanic breccia. It is assumed that the boulder train could not have been plucked from the base of the glacier and carried up to the top since the drilling encountered only two boulders in almost 200 feet of clear ice.

The other holes were located on a bleached outcrop which had some high radioactive values. Hole P-2 was drilled to the west towards the north-south fault. After passing through the bleached zone the hole encountered an explosive gas vent breccia which was silicified and extremely hard to drill. In this zone bits could only cut between 5 and 20 feet before they had to be replaced. At 102 feet the drill motor broke down and before the rods could be pulled they were frozen into the hole. Attempts were made with heated water and calcium chloride

to recover the remainder of the rods but this proved impossible. The set-up was moved back three feet and Hole P-3 collared to undercut P-2. Again after cutting 43 feet of the green bleached material an explosive gas vent breccia was encountered. This was found to be interlayered with a volcanic tectonic breccia and minor argillite. Occasional barite veins were encountered.

Hole P-4 was drilled from the same set-up but drilling towards the east. The pale leached horizon was again intersected and then the drill passed into an explosive gas vent breccia. The hole was stopped at 131 feet when it was realized that the drill was sitting on top of a potentially mineralized zone and drilling out both sides. The drill was moved 150 north and set up to the west of the interesting zone and Hole P-5 drilled through it to 222 feet. The hole collared in argillitic siltstone, passed into a bleached green slightly brecciated zone, then into rhyolite and into explosive gas vent breccia. The hole was stopped at this point. In all cases the rock was found to be tightly cemented with no porosity visible.

The only radioactive occurrence was at 296 feet in hole P-3 where a four inch breccia fragment of chocolate brown material contained minor pitchblende filling fractures and micro fractures. This was not assayed.

CONCLUSIONS AND RECOMMENDATIONS

With the minor exception mentioned above no mineralization was encountered in any of the holes. No porosity or permeability remains so there can be no movement of uranium-bearing fluids through the rock. It would appear that mineralization is confined to a small area alongside the fault in the cirque headwall.

Very minor spotty mineralization occurs at other places in the cirque walls. It would appear that most of any potential deposit has been eroded away by the glaciation. The only remaining mineralization is in the steep relatively narrow ridge wall between Pterd and Cobalt cirques. The mineralization here has been observed to be pitchblende in widely separated micro-fractures. Thus there would not appear to be a potential for either tonnage or grade in this deposit. It is recommended that no further work be carried out.

Colin G. R. Lay

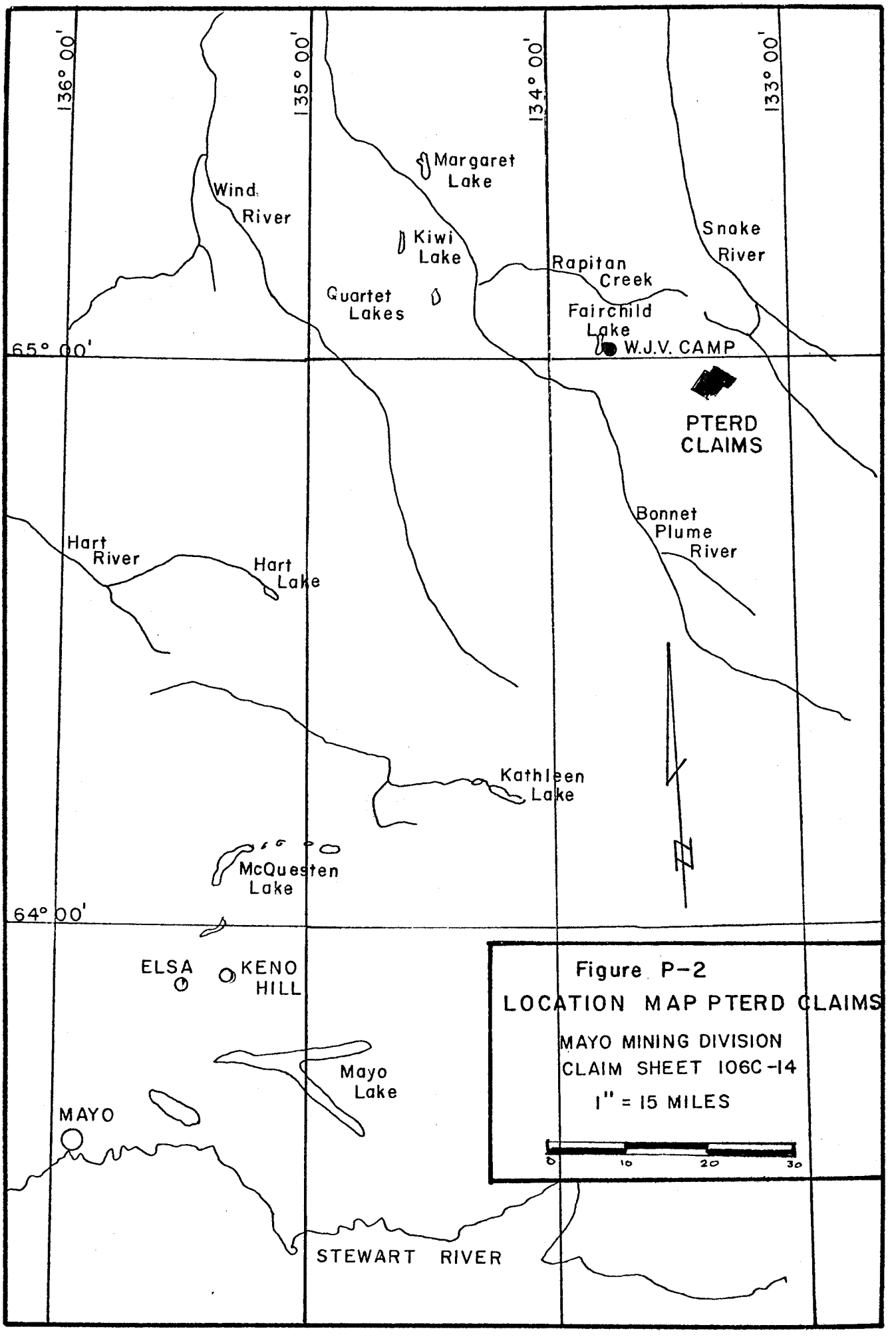
I certify that I am a geologist, having graduated from the University of Manitoba and hold the degrees of Bachelor of Science (Honours Geology) and Master of Science.

I have practised my profession for twenty one years, of which ten have been in supervisory positions.

I am currently employed as Senior Project Geologist by Eldorado Nuclear Limited, Ottawa, Ontario.

I certify that I have no direct or indirect financial interest in this property.

Colin J. Riley


136° 00'
135° 00'
134° 00'
133° 00'
65° 00'
64° 00'
Margaret Lake
Wind River
Kiwi Lake
Quartet Lakes
Rapitan Creek
Snake River
Fairchild Lake
W.J.V. CAMP
PTERD CLAIMS
Bonnet Plume River
Hart River
Hart Lake
Kathleen Lake
McQuesten Lake
ELSA
KENO HILL
Mayo Lake
MAYO
STEWART RIVER
Figure P-2
LOCATION MAP PTERD CLAIMS
MAYO MINING DIVISION
CLAIM SHEET 106C-14
1" = 15 MILES
0
10
20
30

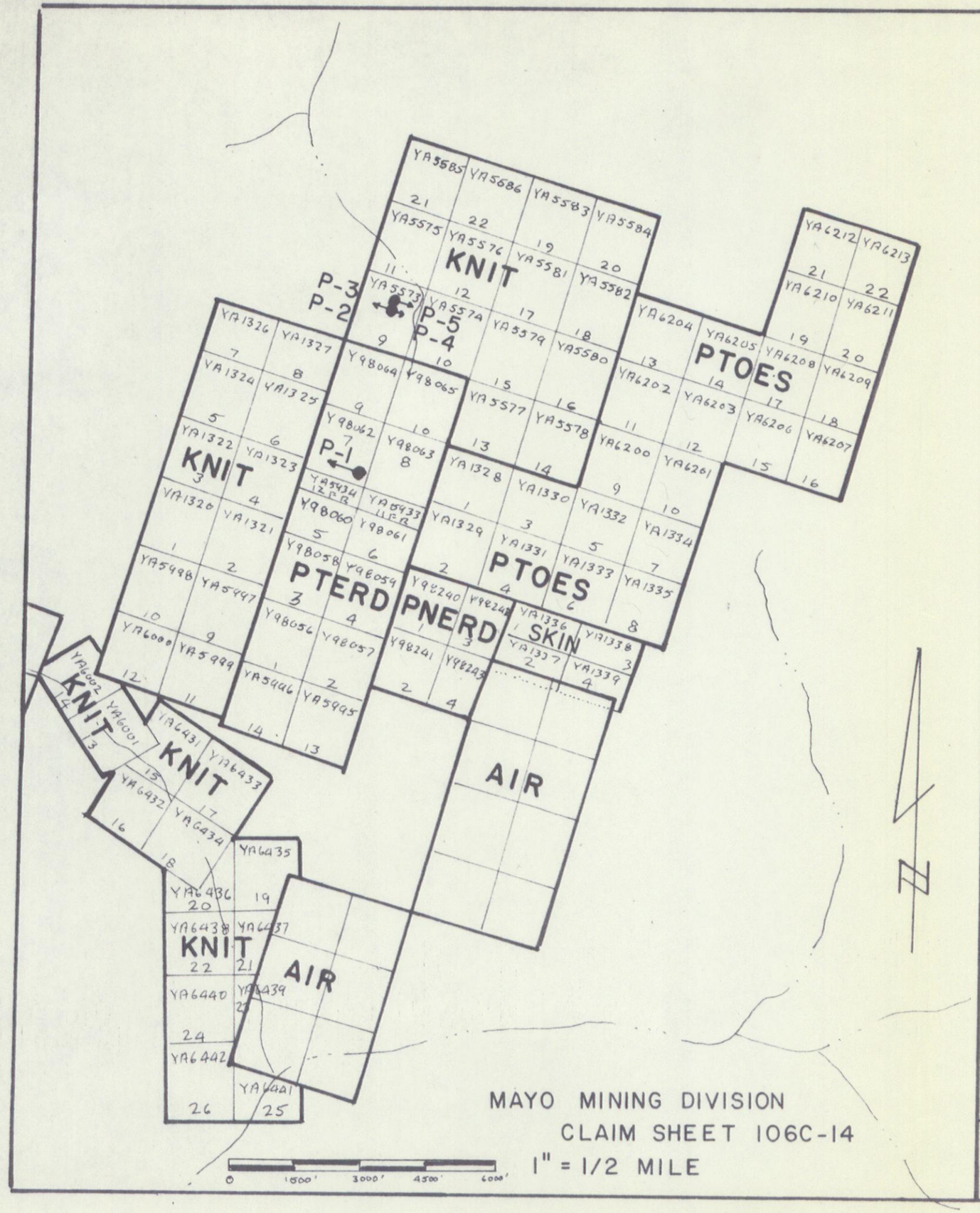
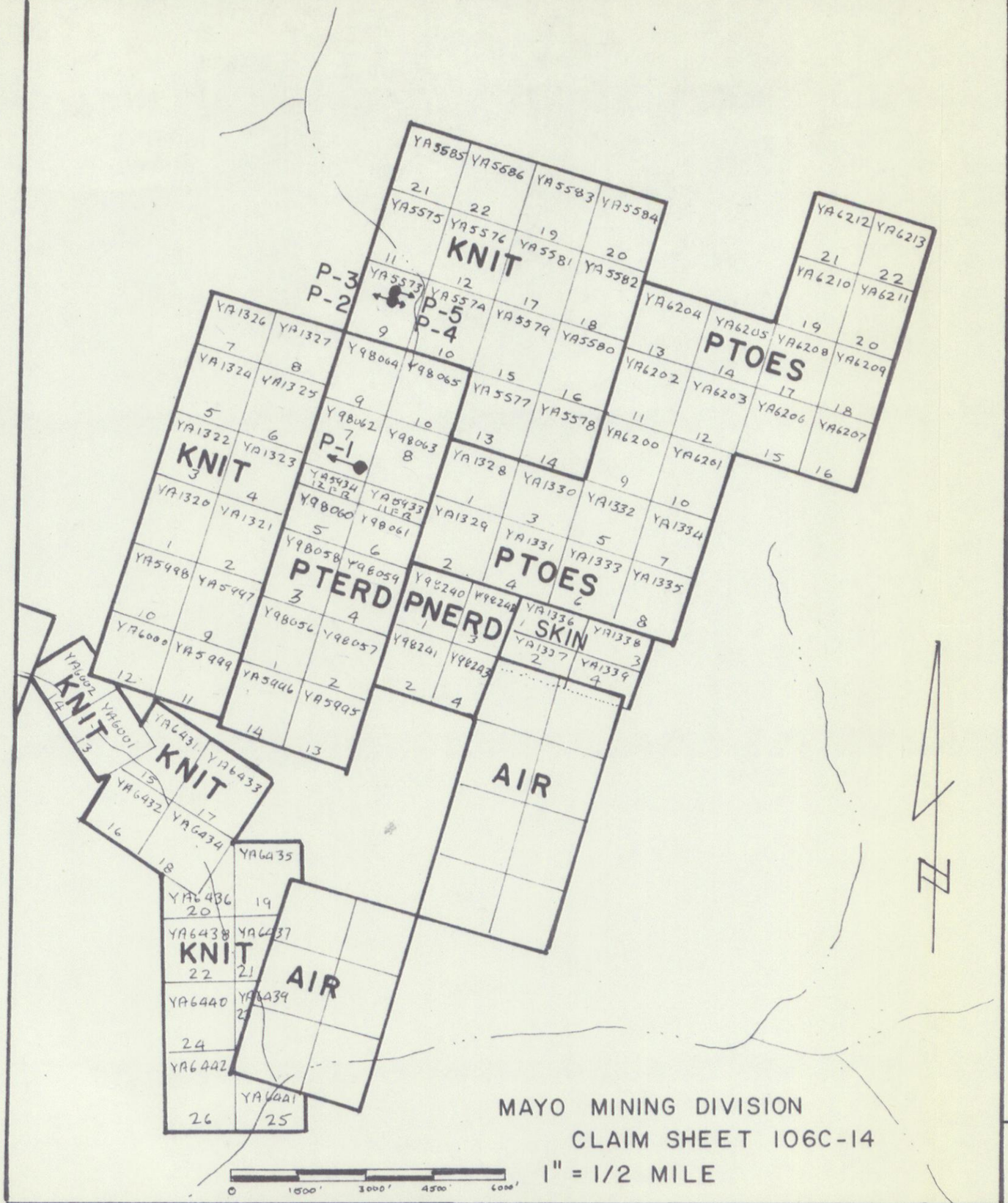


Figure P-3

BOREHOLE P 1
1" = 100'



MAYO MINING DIVISION
CLAIM SHEET 106C-14
1" = 1/2 MILE

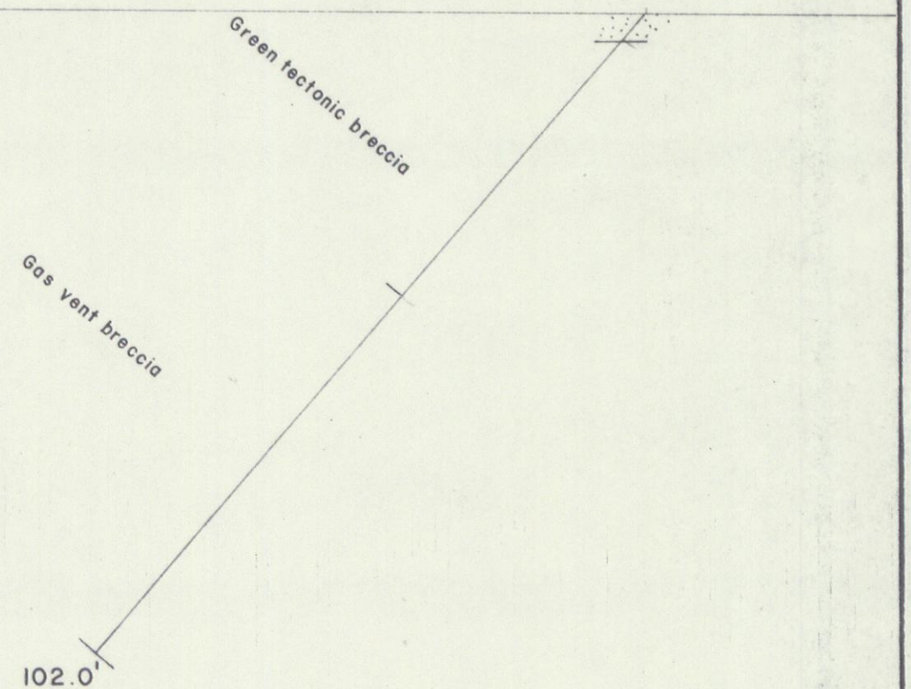
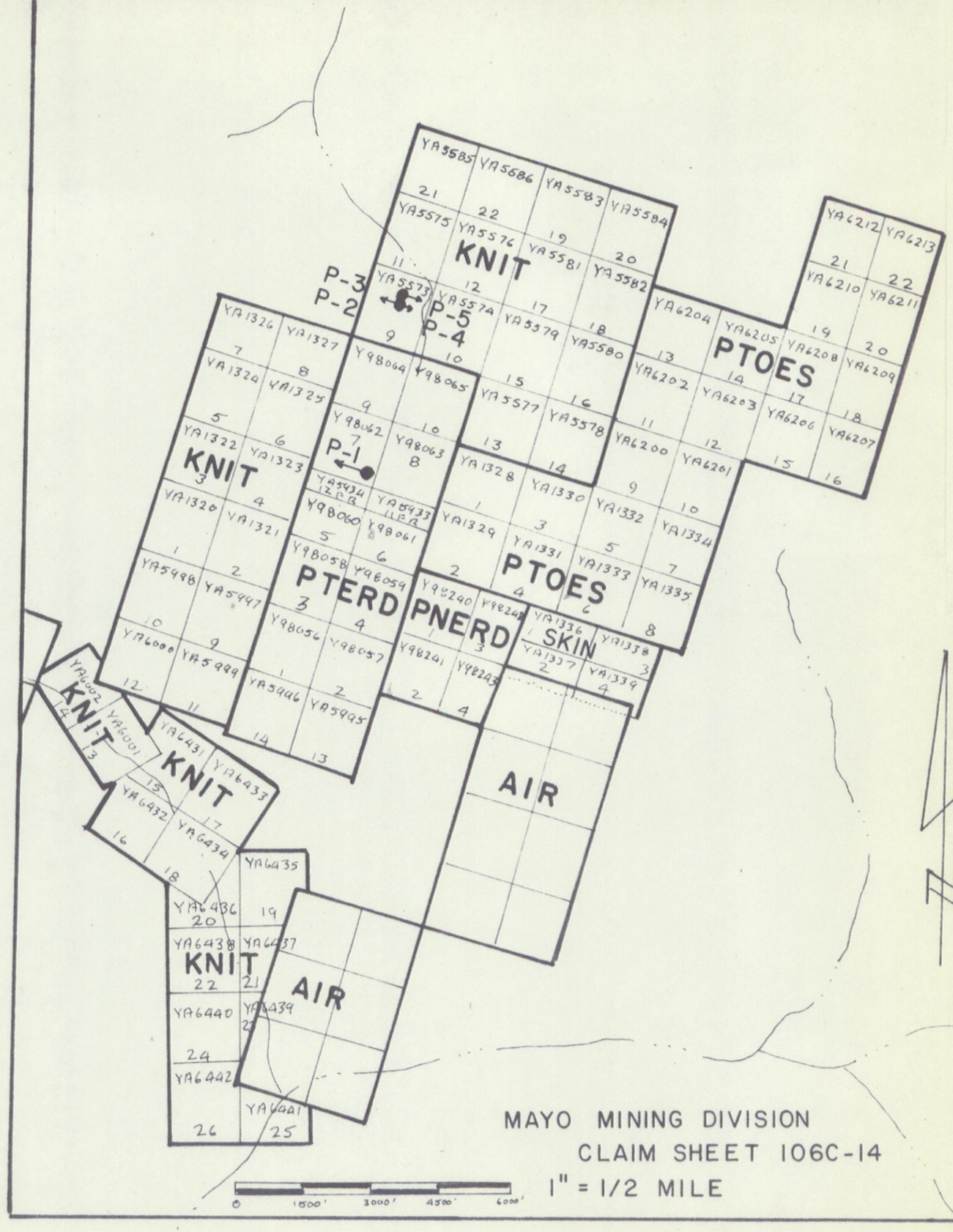


Figure P-4

BOREHOLE P-2
1" = 20'



MAYO MINING DIVISION
CLAIM SHEET 106C-14
1" = 1/2 MILE

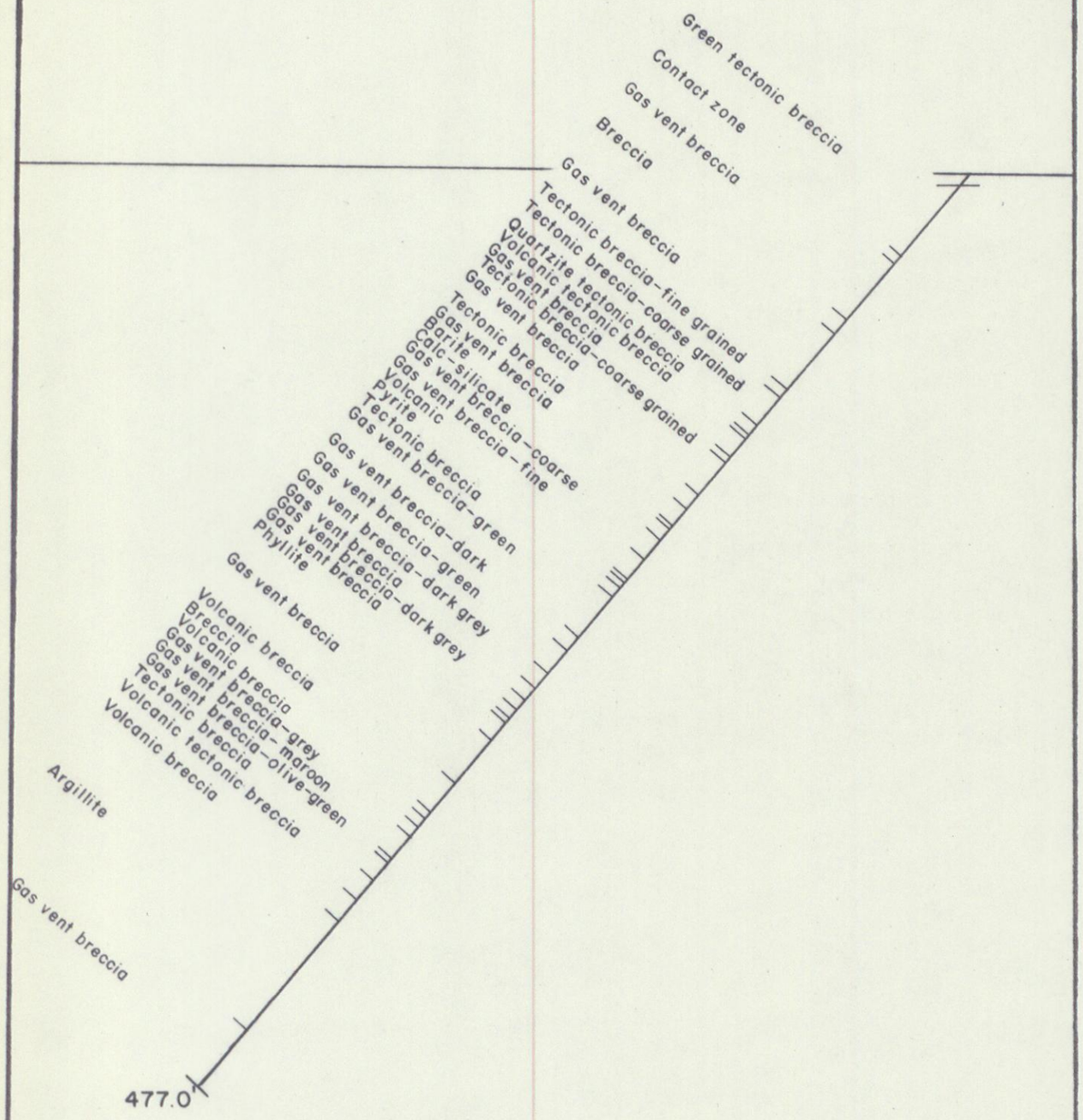
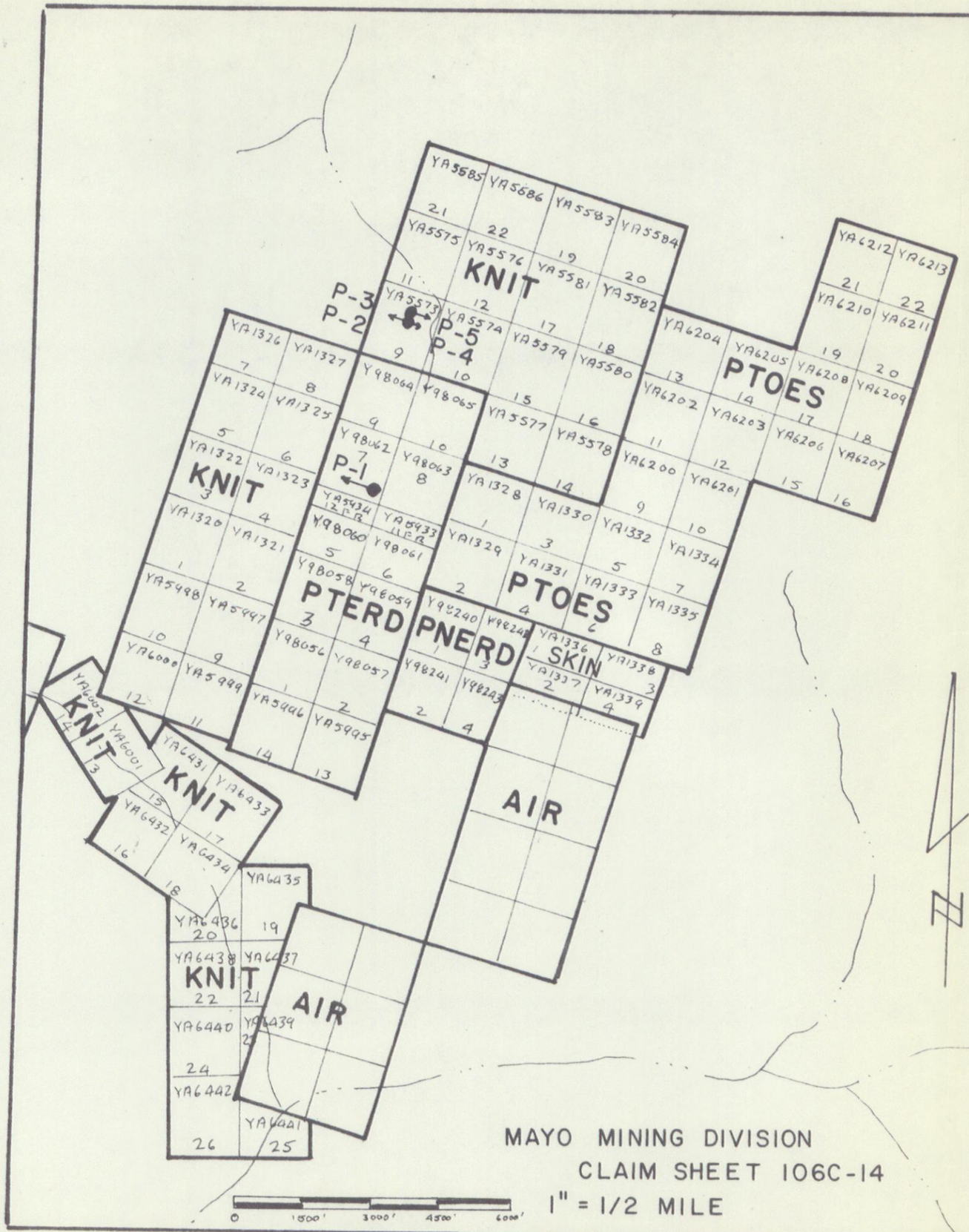


Figure P-5

BOREHOLE P-3
1" = 60'



MAYO MINING DIVISION
CLAIM SHEET 106C-14
1" = 1/2 MILE

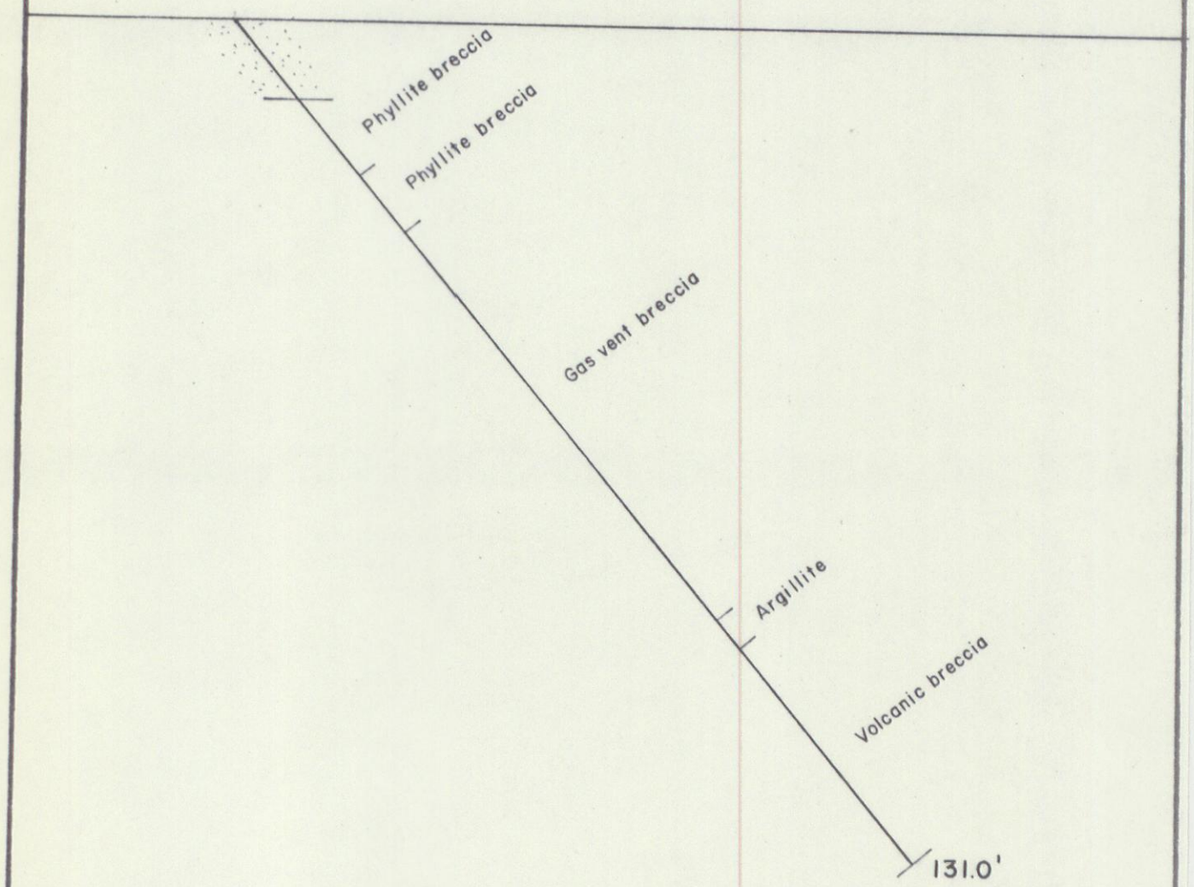
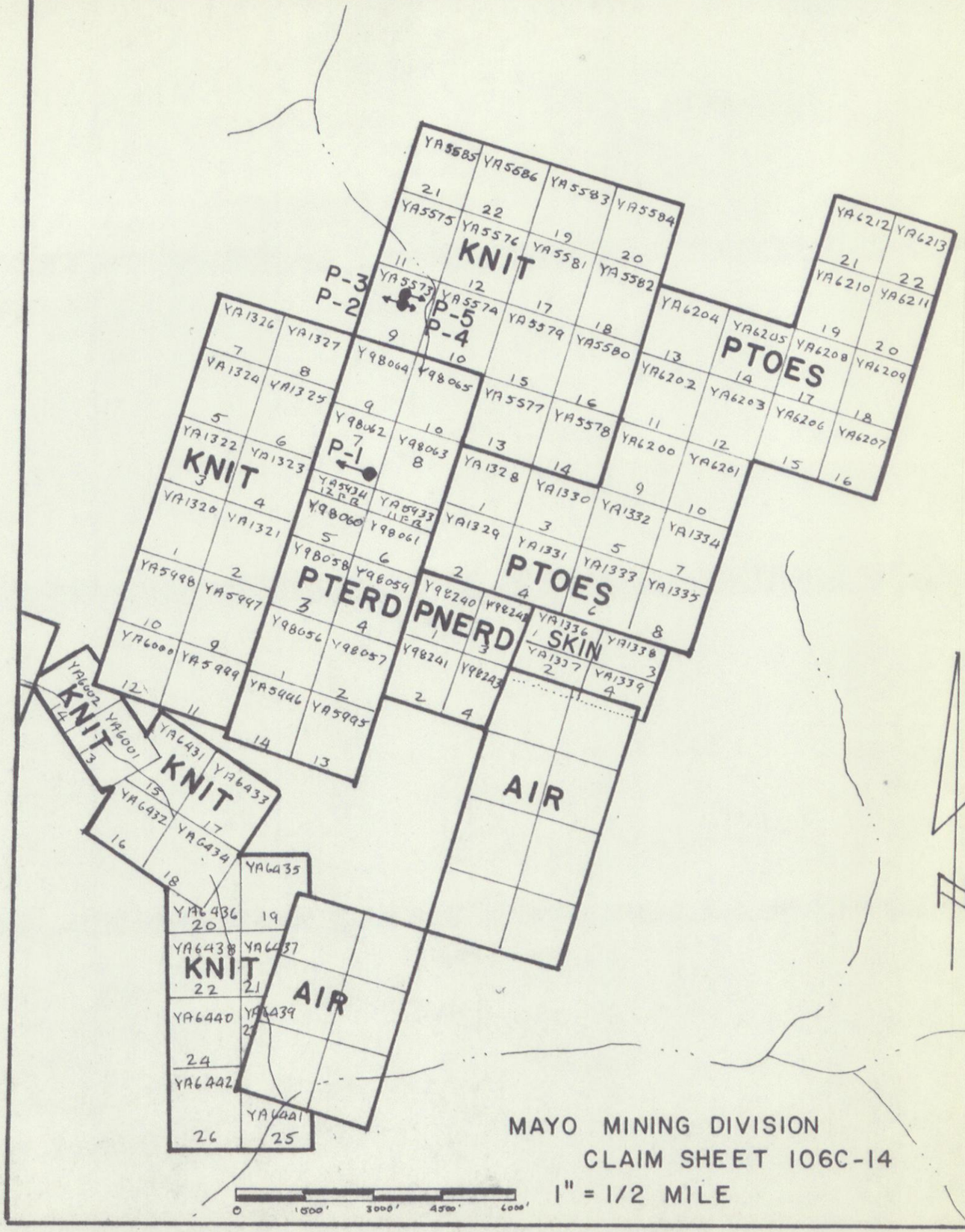


Figure P-6

BOREHOLE P-4
1" = 20'



MAYO MINING DIVISION
CLAIM SHEET 106C-14
1" = 1/2 MILE

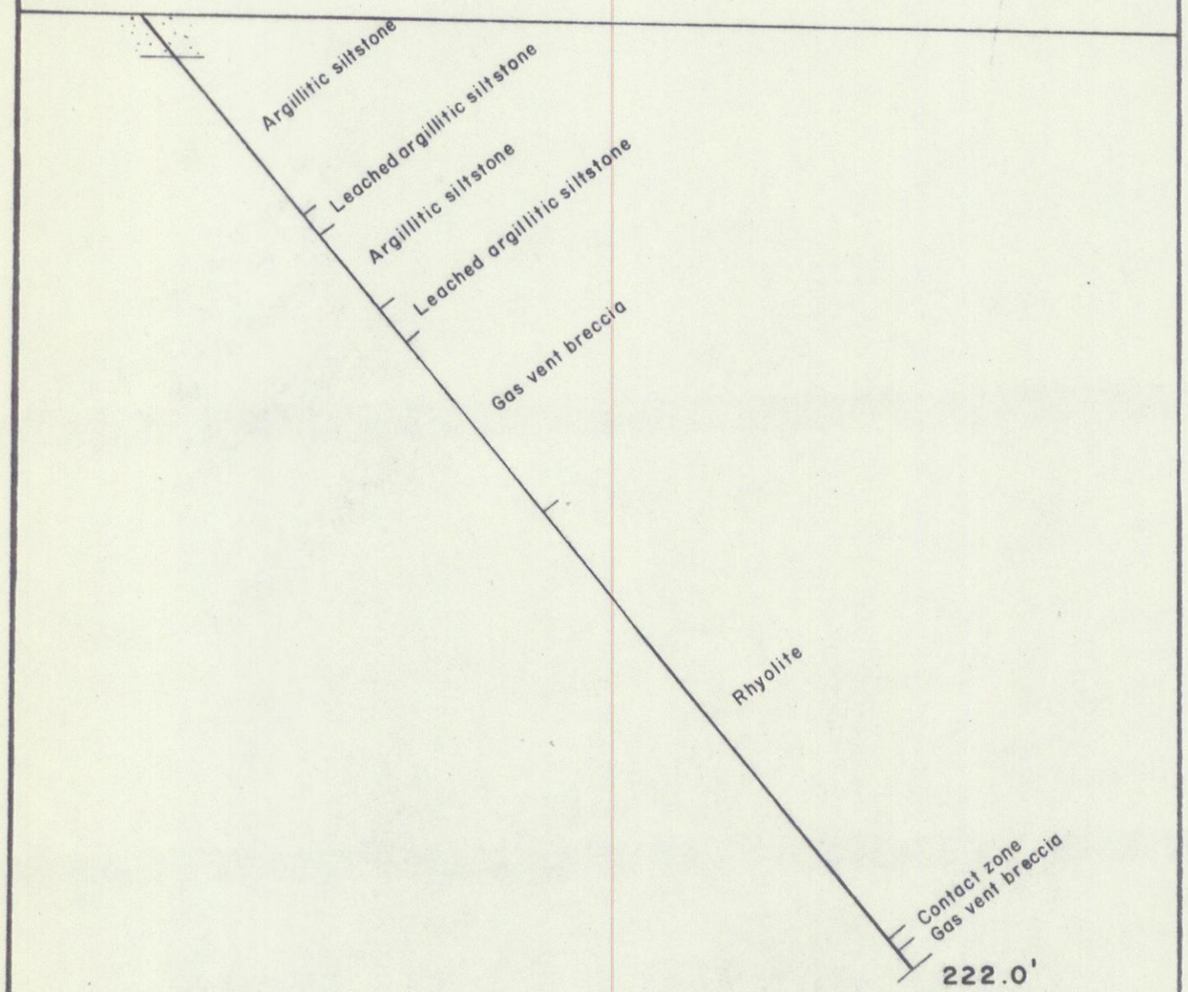


Figure P-7

BOREHOLE P-5
1" = 30'

DIP TESTS

TEST	FROM	TO	TOTAL	DIP	DIP CORR.	LATITUDE CUM.	DEPARTURE CUM.

DIAMOND DRILL HOLE LOG

Project 514

ELDORADO NUCLEAR LIMITED

LOCATION Rterd Claims
SECTION
LATITUDE 125'N
DEPARTURE 575'W
ELEVATION
CORE BQ
STORAGE Whitehorse

HOLE No. D1
AZIMUTH 270°
DIP -50°
LENGTH 612
PURPOSE
COMPLETED 24/8/76
LOGGED BY C.J. Riley

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION
	0.0	Collar
0.0	1.0	Loose rock
1.0	52.0	Ice
52.0	58.0	Water, open cavity
58.0	76.0	Ice
76.0	77.0	Boulder
77.0	147.5	Ice
150.0	150.0	Boulder
150.0	167.5	Ice
167.5	168.0	Gravel
168.0	196.0	Ice start of core BQ casing
196.0	274.0	Volcanic, intermediate argillaceous, very fine grained, massive, occasional pale green bands due to leaching or possible flow top. Blebs and thin stringers milky white quartz with random orientation. Some stringers white carbonate. Trace disseminated pyrite. Occasional bleb of buff barite, in places to 15% 4000 cpm.
274.0	306.0	Breccia. Ghost fragments of volcanic and slightly reddish fragments in volcanic matrix. All saturated and flecked with fine grained white quartz and carbonate in small blebs and rough stringers. In places, the fragments become more discrete. 4000 cpm.
306.0	313.2	Volcanic as at 274.0. Tectonically fractured and filled white carbonate to form a breccia. - A crackle breccia. 4000 cpm.
313.2	316.2	Breccia - Intra formational (flow top?). Fragments of reddish banded siltstone in a volcanic matrix. 4000 cpm.

CORE SAMPLES

FROM	TO	WIDTH	%	AVERAGES

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION
316.2	337.9	Volcanic as at 313.2
337.9	373.3	Breccia - intraformational as at 316.2
373.3	404.4	Breccia Angular fragments of buff to reddish banded siltstone in buff matrix. Fragments outlined by specular hematite Fragments 85%. Small blebs of milky white quartz.
404.4	408.3	Breccia - Intraformational as at 316.2
408.3	418.5	Breccia as at 404.4. More grey volcanic in the ground mass, weak banding @ 55°. 4000 cpm.
418.5	424.8	Breccia - intraformational as at 316.2.
424.8	479.4	Volcanic as at 274.0. Bands tectonic crackle breccia with white carbonate matrix. Occasional buff altered zone along fractures, few reddish fragments. 60° 4000 cpm.
474.4	519.0	Breccia - as at 404.4 some weak banding @ 60°.
519.0	522.9	Breccia - intraformational as at 316.2
522.9	607.0	Breccia - as at 313.2. Tectonic crackle breccia. Occasional reddish fragment, occasional weak banding 20° - contorted 60° 4000 cpm.
607.0	612.0	Breccia - as at 404.4
	612.0	Foot of Hole.

Drilled by: E. Caron Drilling Co.
Driller: D. Tilden
Core size: BQ.
Nothing left in hole
Core logged with McPhar TV1-A #176-69

CORE SAMPLES FROM	TO	WIDTH	%	AVERAGES

DIP TESTS

TEST	FROM	TO	TOTAL	DIP	DIP CORR.	LATITUDE	LATITUDE CUM.	DEPARTURE	DEPARTURE CUM.

DIAMOND DRILL HOLE LOG

Project 514

ELDORADO NUCLEAR LIMITED

LOCATION Pterd Claims
SECTION
LATITUDE
DEPARTURE
ELEVATION Surface
CORE BQ
STORAGE Whitehorse, Y.T.

HOLE No. P-2
AZIMUTH 250°
DIP -50°
LENGTH 102.0
PURPOSE
COMPLETED 28/8/76
LOGGED BY C.J. Riley

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION
0.0		Collar
4.0		Start of core
28.0		BQ casing.
	45.0	Tectonic Breccia. Fragments of pale apple green highly siliceous siltstone or quartzite, micro fractured and slightly rotated, set in quartz matrix. Very fine grained, hard, some fragments banded. Speckled disseminated secondary pyrite 2-3%. Late tension cracks filled clear quartz cut both fragments and matrix. Possible silicified altered margin of breccia pipe. 3500 cpm.
45.0	102.0	Explosive gas breccia. Fragments pale apple green, dark grey-green volcanic, flesh coloured chert, pale brown siltstone. Fragments angular and compressed - well fitted together matrix silicified - very hard. 3500 cpm.
	102.0	Foot of hole.

Drilled by: E. Caron Drilling Co.
Driller: Don Tilden
Core: BQ.
Left in Hole - 5' core barrel, tube & overshot, 75' BQ rod 28' BW casing, 20' NW casing 1 BW shoe & 1 BQ bit

Hole froze due to permafrost. Unable to recover rods or casing. 2' core lost in core barrel.
Radiometric Logging - McPhar TV1A #176-69.

CORE SAMPLES FROM	TO	WIDTH	%	AVERAGES

DIP TESTS

TEST	FROM	TO	TOTAL	DIP	DIP CORR.	LATITUDE	LATITUDE CUM.	DEPARTURE	DEPARTURE CUM.

DIAMOND DRILL HOLE LOG

Project 514

ELDORADO NUCLEAR LIMITED

LOCATION Pterd Claims
SECTION
LATITUDE
DEPARTURE
ELEVATION Surface
CORE BQ
STORAGE Whitehorse

HOLE No. P-3
AZIMUTH 250°
DIP -50°
LENGTH 477.0
PURPOSE
COMPLETED 8/9/76
LOGGED BY C.J. Riley

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION
	0.0	Collar
0.0	7.0	Start of core
0.0		BW casing
7.0	43.2	Breccia. - Fragments pale green phyllite set in quartz matrix. Fragments very small and may show banding. Very hard, very fine grained. Some weak shearing @ 40°. Some patchy chloritic alteration of fragments @ 22-24'. Specks magnetite 2-3% occasional patch and stringer barite. 4000 cpm.
43.2	47.8	Brecciated contact zone - small fragments beige siltstone, pink chert, jasper and dark green volcanic set in silicified chloritic matrix all indurated with silica - very hard. 3500 cpm
47.8	77.5	Explosive Gas Vent Breccia - angular to sub angular fragments of brown banded siltstone, pink and flesh coloured chert, dark grey-green volcanic. Multisized, all compressed and well fitted with not much matrix material. Matrix and fragments indurated with silica, very hard to drill. 4000 cpm
77.5	84.3	Breccia small fragments jasper, milky quartz, siltstone, saturated with quartz, some patches and disseminated buff barite. Weak lineation @ 30°, 1-2% specks magnetite matrix dark grey-green chloritized volcanic. Lower contact very rough, brecciated, probably intrusive. 4000 cpm
84.3	114.6	Breccia, Explosive Gas Vent as at 77.5. All fragments and matrix silicified - very hard. 3500 cpm.
114.6	118.0	Breccia, Tectonic - few fragments altered buff siltstone and chert but mostly composed of grey-green chloritized and silicified volcanic forming a crackle breccia. Sheared @ 45° 3500 cpm.

CORE SAMPLES FROM	TO	WIDTH	%	AVERAGES

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	CORE SAMPLES FROM	CORE SAMPLES TO	CORE SAMPLES WIDTH	CORE SAMPLES %	CORE SAMPLES AVERAGES
118.0	133.1	Breccia, Tectonic - some large fragments quartz diorite up to 6" set in crushed breccia of grey-green volcanic. Saturated with milky quartz. Occasional fragment siltstone, all chloritized and silicified. 1-2% disseminated magnetite. 4000 cpm. sheared @ 60°.					
133.1	136.9	Breccia - Tectonic. Pale grey fragments quartzite? crushed and sheared 55°. Stringers conformably milky quartz. 3500 cpm.					
136.9	138.4	Breccia - Tectonic very few fragments - mostly composed of grey-green crushed volcanic saturated with milky quartz. 4000 cpm.					
138.4	148.6	Breccia - Explosive. Fragments larger than above - up to 5-6", also the fragments are brecciated. (siltstone, chert, volcanic) set in a dark green-grey volcanic matrix. Saturated with milky quartz but not as strongly as above. 1-2% disseminated magnetite. Occasional stringer barite 4000 cpm.					
148.6	153.8	Breccia - Tectonic. Large fragments brecciated beige chert and grey matrix as at 148.6 set in more highly chloritized dark green-grey matrix. All crushed and sealed with milky quartz. 3500 cpm.					
153.8	169.1	Breccia - Explosive as at 148.6. More grey fragments, fewer siltstone and chert. 3500 cpm.					
169.1	175.6	Breccia - Tectonic - sheared 60°, almost all fragments are dark grey-black set in crush matrix sealed with white quartz. 3500 cpm.					
175.6	185.8	Breccia Explosive as at 169.1 More larger fragments. Not as highly indurated with silica as above. 3500 cpm.					
185.8	186.6	Barite buff-beige, massive, fine grained, some milky quartz.					

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION
186.6	191.2	Calc Silicate - probably a large fragment, fine grained, medium grey speckled black, massive, small buff alteration spots.
191.2	201.0	Breccia Explosive - large fragments buff siltstone, jasper and volcanic set in massive chloritized volcanic matrix in places showing buff coloured alteration. Some hematite. 4000 cpm.
201.0	213.3	Breccia Explosive. Small fragments siltstone, volcanic and chert in dark green chloritized matrix. Some fragments drawn out @ 70°, some buff alteration of matrix. 3000 cpm.
213.3	214.7	Volcanic - sheared 70°, occasional fragment chert in dark grey-green chloritized matrix, speckled pyrite. 3500 cpm.
214.7	216.1	Pyrite, massive, saturating volcanic or breccia. Sheared 70°, stringers milky quartz. 70% pyrite.
216.1	222.2	Breccia - Tectonic. Fragments green chloritized volcanic and altered brecciated brown fragments in grey-green volcanic matrix. Fractured and saturated white quartz. 4500 cpm.
222.2	242.2	Breccia - Explosive, pale green phylitte, buff siltstone, and volcanic set in pale green volcanic matrix. 1% disseminated pyrite. Speckled with small magnetite-hematite grains 2%. Lineated @ 45°. More heavily chloritized and sheared 50° at foot of entry. 3500 cpm.
242.2	249.0	Breccia - Explosive 60% dark volcanic fragments, 20% buff siltstone, 10% chert, 10% quartz, fragments medium sized, set in dark green-grey chloritized matrix. 4000 cpm.
249.0	261.0	Breccia, Explosive, 75% green phyllite fragments, 15% brown siltstone, 10% chert, set in mid green chloritized matrix, sheared @ 70°, occasional stringer milky quartz, altered buff at foot of entry. 2% hematite.

CORE SAMPLES FROM	TO	WIDTH	%	AVERAGES

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	CORE SAMPLES FROM	CORE SAMPLES TO	CORE SAMPLES WIDTH	CORE SAMPLES %	CORE SAMPLES AVERAGES
261.0	269.1	Breccia Explosive mostly dark grey volcanic fragments. Some light coloured fragments near top of entry. Matrix dark grey-green chloritized. Fabric @ 60° · 4000 cpm.					
269.1	274.8	Breccia Explosive, mostly small fragments siltstone, chert, volcanic, matrix heavily chloritized. Fabric @ 55°.					
274.8	280.6	Breccia, explosive as at 261.0. Fabric @ 55°. Matrix heavily chloritized. bands or fragments milky white quartz. 3500 cpm. mika hematite.					
280.6	284.6	Breccia, Explosive, as at 269.1. Foliated 60°- 75°- 60°					
284.6	287.3	Breccia, Explosive, as at 260.0 50°.					
287.3	296.9	Phyllite, apple green, very contorted, angles change rapidly along core. Minor brecciation due to small faults 4" fragment of chocolate brown material at foot of entry with minor pitchblende filling fractures. 30,000 cpm. (T3 = 140 cpm, T2 = 1900 cpm). Minor hematite.					
296.9	318.7	Breccia - Explosive. Fragments green phyllite 70%, siltstone 20%, chert 10%, occasional dark volcanic, set in highly chloritized green matrix. Fragments = 90% of rock. Occasional band speckled pink garnet, fragments subangular to subrounded. 4000 cpm.					
318.7	334.1	Breccia - volcanic? fragments of volcanic set in dark grey green matrix, speckled small garnets, fabric @ 50° 4000 cpm.					
334.1	337.6	Breccia - Ghost fragments set in a highly altered rock - heavily chloritized, medium grained, massive.					
337.6	341.3	Breccia, medium sized volcanic fragments set in a grey-green chloritized matrix. Saturated with milky quartz. 4000 cpm.					
341.3	347.3	Breccia, explosive, grey small to medium sized fragments, sub-angular, altered buff in places in grey green chloritized matrix. 4000 cpm.					
347.3	357.0	Breccia - explosive. Grey and maroon fragments, small to medium-large, subrounded to sub angular, in grey-green chloritized matrix. 3500 cpm.					
357.0	360.0	Breccia Possibly a large fragment. Olive green matrix, white milky quartz fragments. 10% hematite in patches and around fragments. Fine grained, massive. 3000 cpm.					
360.0	369.4	Breccia - Tectonic. Volcanic sheared 45° . Speckled small garnets at foot of entry. Bands milky quartz. Fine grained, grey. 4000 cpm.					
369.4	379.4	Breccia as at 369.4 but fragments more distinct and smaller. Some foreign fragments. Matrix chloritized 3000 cpm.					

DIAMOND DRILL HOLE LOG

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION
379.4	390.8	Breccia. Large grey fragments in green chloritized volcanic matrix. Some siltstone fragments. Some blebs siderite to 2 cm. at foot of entry. Sheared 45°.
390.8	447.8	Argillite? or argillaceous volcanic. Crackle breccia, grey-black, very fine grained, weak foliation @ 60°, milky quartz filling fractures. Occasional siliceous band. (Possible Unit B argillite). 4000 cpm.
447.8	477.0	Breccia. Mostly grey fragments in darker grey-black matrix, few buff fragments and dark green. Fabric @ 45°. 3000 cpm.
	477.0	Foot of hole.

Drilled by: E. Caron Drilling Ltd.
Driller: D. Tilden
Left in Hole: Nil
Radiometrics: McPhar TV1A #176-69

CORE SAMPLES FROM	TO	WIDTH	%	AVERAGES

DIP TESTS

TEST	FROM	TO	TOTAL	DIP	DIP CORR.	LATITUDE	LATITUDE CUM.	DEPARTURE	DEPARTURE CUM.

DIAMOND DRILL HOLE LOG

Project 514

ELDORADO NUCLEAR LIMITED

LOCATION Pterd Claims
SECTION
LATITUDE
DEPARTURE
ELEVATION Surface
CORE BQ
STORAGE Whitehorse

HOLE No. P-4
AZIMUTH 070°
DIP -50°
LENGTH 131.0
PURPOSE
COMPLETED 10/9/76
LOGGED BY C.J. Riley

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION
	0.0	Collar
	12.0	Start of Core
12.0	24.0	Phyllite breccia, pale apple green fragments sealed with quartz. Fine grained, some specks hematite 50% lost core. 4000 cpm.
	30.0	BW casing.
24.0	33.0	Phyllite breccia as at 24.0 No lost core.
33.0	93.1	Breccia, explosive - sub angular fragments chert, siltstone, volcanic in chloritized green matrix. Minor hematite. Some bleached zones, some milky quartz fracture filling. Large fragment quartzite, very fine grained, pale grey, mass from 73 to 76'. Fragments small to medium sized 4000 cpm.
93.1	97.6	Argillite - black-grey, very fine grained, sheared and quartz filled @ 30° 3500 cpm.
97.6	131.0	Breccia - volcanic intraformational? Fragments grey and dark green volcanic in chloritized green matrix. Some rhombs dolomite @ 111.0 - 115.0 Fabric @ 50° .
		Foot of hole.

Drilled by: Caron Diamond Drilling
Driller: D. Tilden
Left in Hole: Nil
Radiometrics: McPhar TV1-A #176-69

CORE SAMPLES FROM	TO	WIDTH	%	AVERAGES

DIP TESTS

TEST	FROM	TO	TOTAL	DIP	DIP CORR.	LATITUDE	LATITUDE CUM.	DEPARTURE	DEPARTURE CUM.

DIAMOND DRILL HOLE LOG

Project 514

ELDORADO NUCLEAR LIMITED

LOCATION Pterd Claims
SECTION
LATITUDE
DEPARTURE
ELEVATION Surface
CORE BQ
STORAGE Whitehorse

HOLE No. P-5
AZIMUTH 090°
DIP -50°
LENGTH 222
PURPOSE
COMPLETED 13/8/76
LOGGED BY C.J. Riley

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION
	0.0	Collar
9.0	10.0	Boulder - dendritic green argillite
	11.0	Start of core
11.0	44.8	Argillitic siltstone - grey, well thin banded @ 50°, occasional slump breccia. Few fractures filled with milky white quartz, speckled small pyrite in lighter coloured bands.
44.8	50.2	Argillitic siltstone - bleached and leached pale green-yellow. Occasional limey fragment in slump breccia, speckled small pyrite grains.
50.2	68.0	Argillitic siltstone - as at 44.8, bands with more pyrite, some bands brown siderite.
68.0	75.1	Argillitic siltstone - as at 50.2. Dendrites @ 69.0 Brown siderite bands.
75.1	113.9	Breccia. Zoned bands of the same sort of fragments, maroon in one band, buff siltstone, chloritized volcanic in others. Matrix slightly chloritized, very fine grained, sheared, some siderite bands and stringers, in places speckled small pyrite.
113.9	215.3	Rhyolite - pale apple green, massive to foliated @ 50°, very fine grained to aphanitic, occasional fragments siltstone, bands brown siderite. Occasional bands speckled small pyrite. Saturated with white carbonate, some chalcedonic quartz. Sheared and slightly brecciated at foot of entry @ 55°.
215.3	217.1	Contact Zone - sheared and brecciated, green rhyolite fragments, very small, micro fractures quartz filled.
217.1	222.0	Breccia - Explosive Gas Vent. Fragments rhyolite, siltstone, volcanics and chert in dark grey slightly chloritized matrix. Weak fabric @ 55°. Minor specular hematite. Fragments angular to subangular.
	222.0	Foot of hole.

Drilled by: E. Caron Diamond Drilling
Driller: D. Tilden
Left in Hole: 20' BW casing
Radiometrics: McPhar TV1-A # 176-69

CORE SAMPLES FROM	TO	WIDTH	%	AVERAGES