81-#6??
-9369

1981 Diamond Drilling
Assessment Report

TITLE	Tuzo Creek Property
CLAIMS	Mo 4-34
COMMODITY	Mo
LOCATED	15 km southwest of Beaverdell Latitude 49°22' Longitude 119°08' Greenwood Mining Division 82 E/6
BY	S.G. Enns
FOR	AMAX OF CANADA LIMITED AND E & B EXPLORATION INC.
WORK PERIOD	July, 1981

AMAX VANCOUVER OFFICE

Sept 4/81

9369

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SUMMARY

This report presents results of a diamond drill program on the Tuzo Creek molybdenum property conducted between May 5 and June 10, 1981. The joint venture project was managed by AMAX of Canada Limited and funded by E & B Exploration Inc.

The Tuzo Creek property, consisting of 16 two-part claims wholly owned by AMAX, is located 15 km southeast of Beaverdell in southern British Columbia- Previous work by AMAX in the period 1964 to 1966 served to outline a large area, 1,300 by 300 metres, of weak surface molybdenite mineralization associated with an early Tertiary porphyritic quartz monzonite intrusive complex.

In the current drill program, one hole was drilled vertically to a depth of 764 metres in the centre of the molybdenite zone. It intersected weakly mineralized and strongly altered porphyritic quartz monzonite in the upper 400 metres, grading to unmineralized weakly altered porphyritic quartz monzonite and Nelson granodiorite at depth.

Assay results were as follows:

Interval	Thickness	Average Grade
120-270 feet	150 feet	0.10% MoS_2
180-230 feet	50 feet	0.16% MoS_2
200-210 feet	10 feet	0.28% MoS_2

$32,000 of a field cost of approximately $135,000 was applied as assessment to the following claims for 10 years: Mo-4-10, Mo-15-21, Mo-32 and Mo-34.

INTRODUCTION

Location and Access

The Tuzo Creek property lies 15 km southwest of Beaverdell, B.C. which is 290 km east of Vancouver and 50 km southeast of Kelowna. This property is favourably located near service and supply centres in southern B.C. Beaverdell is the site of the currently operating Highland Bell Ag-Pb-Zn mine (Figure 1).

Access onto the property is by highway 33 to a bridge crossing the West Kettle River 12 km south of Beaverdell and then by four-wheel drive road 10 km up the mountain slope west of the river. A large clearing west of the bridge was used as the offload point for camp and drill equipment.

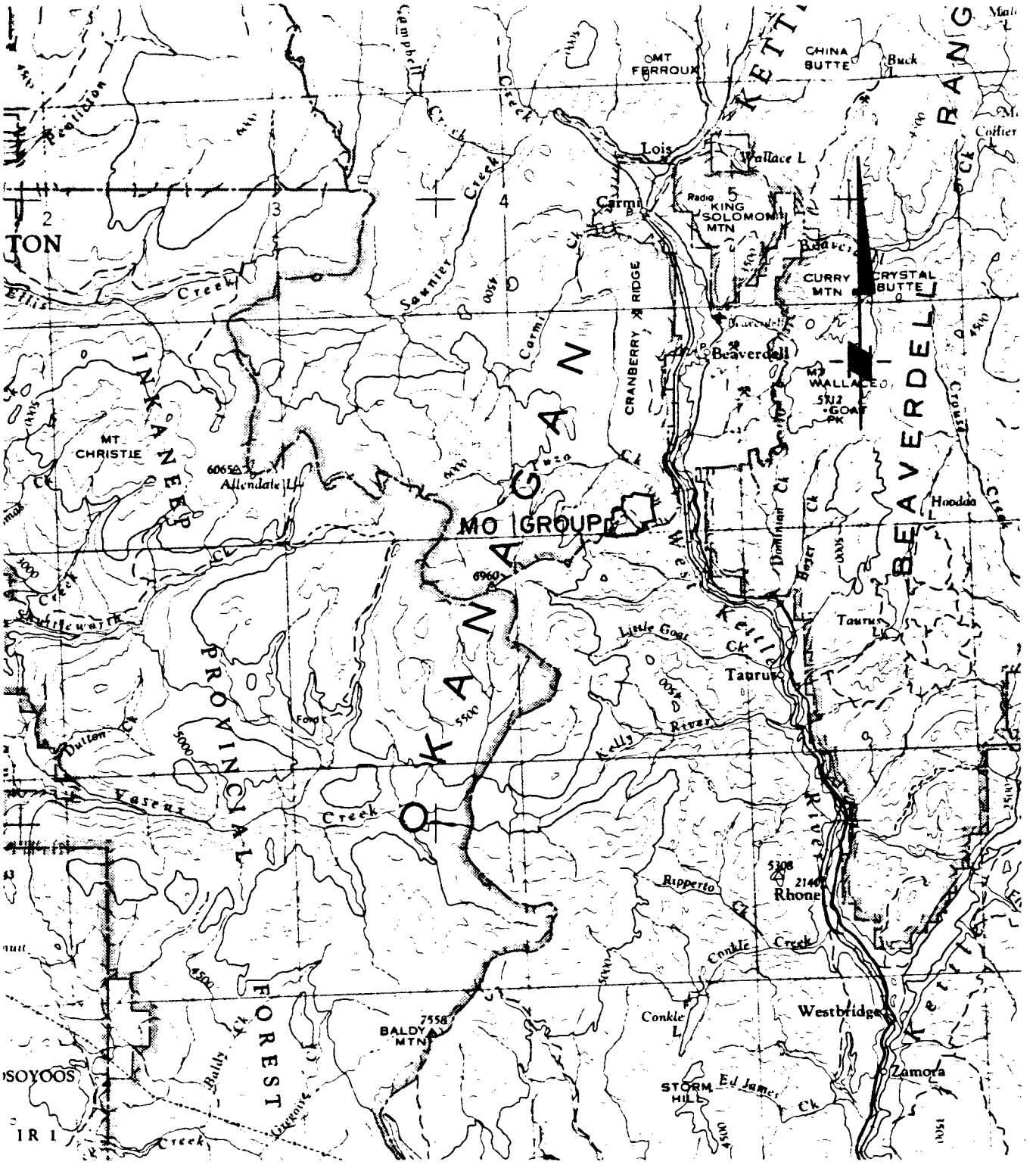
Physiography

Elevations range from 760 metres on the West Kettle River to 1,500 metres on the Interior Plateau west of the river where the property is situated. Most of the property is gently rolling and covered with open pine and larch but relatively steep east facing slopes incised by numerous draws occur below the 1,350 elevation. These draws are densely covered with thick underbrush.

Property

16 two-post claims wholly owned by AMAX cover the area of interest (Figure 2). They are located in the Greenwood Mining Division. Pertinent claims data follows:
Mo 4-10 (7 claims) staked July 16, 1964; expire July 29, 1991;*
Mo 15-21 (7 claims) staked July 16, 1964; expire July 29, 1991;
Mo 32, 34 (2 claims) staked July 28, 1964; expire July 29, 1991.

* following acceptance of the 1981 work for assessment.



AMAX OF CANADA LIMITED

TUZO CREEK PROPERTY

MO CLAIMS

GREENWOOD MINING DIVISION — BRITISH COLUMBIA

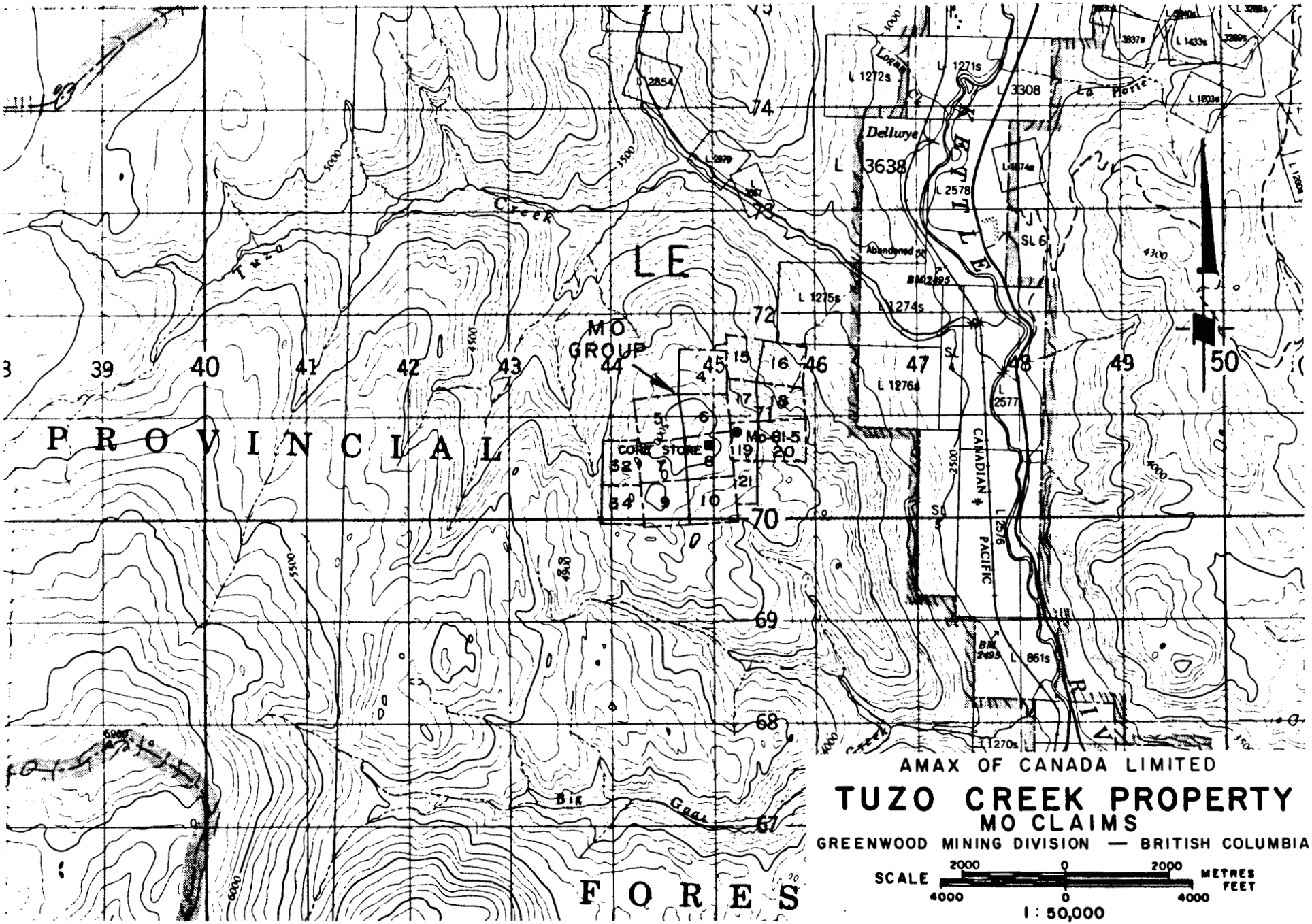
LOCATION MAP

SCALE 10 0 10 KILOMETRES
4 0 4 MILES

1 : 250,000

N. T. S. Ref. 82 E 6

FIG. 1



AMAX OF CANADA LIMITED

TUZO CREEK PROPERTY

MO CLAIMS

GREENWOOD MINING DIVISION — BRITISH COLUMBIA

SCALE 2000 0 2000 METRES
4000 0 4000 FEET
1 : 50,000

N. T. S. Ref. 82 E 6

FIG. 2

Previous Work

The property was first staked by Kennco, who in 1961-62 constructed an access road, conducted a limited IP survey and explored the property for base metals.

In 1964 AMAX acquired the ground by restaking and conducting exploration on the property until 1966. During this time a grid was cut, soil sampling and mapping conducted, packsack drilling in 13 holes totalling 301 metres and BQ drilling of four holes totalling 1,481 metres carried out. An M.Sc. thesis study of the property, completed by Leary at U.B.C. in 1970, presents the most comprehensive surface mapping of the property.

In 1973, Rio Tinto Mines conducted Pb-Zn exploration in the area adjacent and to the east of the Mo claims. They drilled nine holes totalling 1,002 metres.

PROPERTY GEOLOGY

The property lies within the upper Cretaceous Nelson batholithic complex and is centred on a small pluton mapped as Coryell-type intrusive by the G.S.C. The stock is approximately 2.5 km in diameter, consisting of porphyritic biotite quartz monzonite. It is flanked by older Nelson granodiorite basement. Irregular leucocratic quartz feldspar porphyry and feldspar quartz porphyry masses and dykes mapped by Leary as differentiated equivalents to the porphyritic Valhalla quartz monzonite, have been emplaced into the stock to form a complex igneous pattern. Both pre-mineral and post-mineral porphyry dykes are represented.

A generally northeast trending swarm of late basic dykes occupies the northwestern section of the claim block.

Important hydrothermal alteration mapped as a "central alteration"zone consists of quartz-sericite pervasive and fracture controlled alteration and represents a hydrothermal centre. It extends approximately 1,500 by 350 metres on surface with a northeast long axis. Peripheral chlorite alteration surrounds this "central alteration zone" and extends outward beyond the claim block.

The limit of surface molybdenite mineralization outlined over an area 1,300 by 300 metres also with northeast long axis is confined to the most intense "central alteration zone". It is underlain by areas of quartz vein stockwork. Best mineralization appears to show a close spatial relationship to contacts of pre-mineral quartz feldspar porphyries. Mineralization consists of fine-grained

molybdenite as a dense "dry" stockwork accompanied by weak pyrite and little quartz. Some of the seams reach a maximum width of one to two centimetres. A late stage of mineralization consisting of sphalerite-galena-fluorite is present.

1981 DRILLING

General Statement

A single vertical NQ (1 $^{7}/_{8}$") diamond drill hole driven to a depth of 2,507 feet (764 metres) was collared at an elevation of 4,500 feet (1,370 metres) and at a site midway between AMAX drill holes Mo-66-1 and Mo-66-3 along a previously constructed drill road. Contractor for the job was Connors Drilling of Kamloops, B.C. using a Longyear 56 drill with hydraulic breaker. Drilling was conducted from May 19 to June 2, 1981.

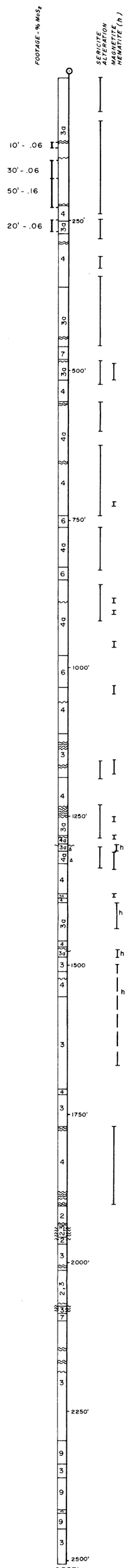
Core recovery averaged close to 100%. All the core was logged and continuously split to 1,350 feet. Below this depth ten feet were split every 50 feet to a depth of 2,200 feet and then ten feet every 100 feet for the remainder of the hole. The ten foot split core samples were submitted to Rossbacher Laboratory, Burnaby, B.C. and analysed for total MoS_2 assay and geochemical F, Ag, Pb and Zn. A skeletal core was taken for permanent record and stored at the AMAX warehouse. Core for all the AMAX drill holes is stored on the property at the old campsite.

The drill log for Mo-81-5 is given in Appendix II, with MoS_2 assays. Other analytical results are separately listed following the drill log.

Results

Lithology

Six units were identified in core logging and are shown on the drill hole section, Figure 3. Most of these units correspond to Leary's mapped units.



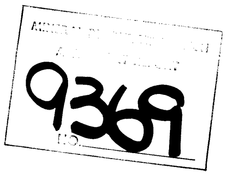
L E G E N D

9	Coryel type pink syenitic dyke.
8	Dark brown to black basic dyke, includes lamprophyre dykes.
6	Quartz feldspar porphyry.
4	Feldspar-quartz porphyry 4a: altered.
3	Valhalla porphyritic quartz monzonite 3a: altered.
2	Nelson granodiorite.

S Y M B O L S

Shearing.

Brecciation.



AMAX OF CANADA LIMITED

TUZO CREEK PROPERTY

MO GROUP

GREENWOOD MINING DIVISION - BRITISH COLUMBIA

DIAMOND DRILL HOLE MO - 81 - 5

SCALE 40 0 40 METRES
100 0 100 FEET

1 : 1,200

Vancouver —— R.L.

N.T.S. Ref. 82 E 6

FIG. 3

Unit 2 - Nelson Granodiorite

This oldest unit consists of 60% plagioclase, 15% Kspar, 20 to 30% quartz and 5 to 10% hornblende plus biotite. It is pre-mineral, hence strongly altered and occurs only at depth in the drill hole (below 1,700 feet).

Unit 3 - Porphyritic Quartz Monzonite

One of the most predominent lithologies in drill hole Mo-81-5, pre-mineral quartz monzonite is typically porphyritic, consisting of 10 to 15% large pink .5 to 2.5 cm Kspar phenocrysts and 15 to 20% smokey euhedral 2 to 10 mm quartz crystals. Overall average composition is 30 to 35% Kspar, 30 to 35% quartz, 30-35% plagioclase and 1 to 2% biotite. The matrix is medium grained hypidiomorphic of similar mineral composition to the phenocrysts. Minor aplitic segregations and injections are locally present and aid in distinguishing this unit from unit 3.

Unit 3a

Unit 3a is a hydrothermally altered equivalent of fresh unit 3 and occurs only above 1,500 feet.

Unit 4 - Feldspar Quartz Porphyry

This unit (abbreviated FQP) is pre-mineral and intermineral and constitutes the second most abundant lithology which occurs in the upper 1,700 feet of the drill hole. It displays 10 to 15% conspicuous Kspar phenocrysts up to two centimetres across and euhedral quartz phenocrysts .5 to 1 cm in size set in a variable grain-sized matrix which ranges from fine to medium grained. Biotite may be present in the amount

of 1 to 2%. Sharp chill margins and porphyritic quartz monzonite inclusions in FQP between 1,340 and 1,365 feet suggest the FQP is the younger of the two. In other places rapid gradational contacts exist between these same lithologies suggesting a co-magnetic relationship. The FQP displays pink, gray and brown variants based on matrix colouration. There may be two distinct ages of this unit present.

Unit 4a

Unit 4a is a hydrothermally altered FQP found only at higher levels (above 1,300 feet). A common internal contact alteration phenomenon was observed; FQP is strongly altered up to 10 or 15 feet from its contact with older unit 2 but the central portion remains unaltered.

Unit 6 - Quartz Feldspar Porphyry

This unit (abbreviated QFP) is present only in several logged intervals quite high up in the hole. It is post-mineral (contains .001 to .004% MoS_2) generally unaltered, pale orange in colour, contains up to 1% disseminated pyrite and usually contains less than 5% large pale pink Kspar phenocrysts. Inclusions of FQP at 973 feet suggest a younger age, yet a gradational contact from QFP to FQP at 1,032 feet suggests a close age relationship.

Unit 7 - Basic Dyke

Dark brown to black basic andesitic and lamprophyre dykes were intersected. These dykes are fine grained, post-mineral and range from one foot to 24 feet in apparent width.

Unit 9

Pink syenitic dykes intersected near the bottom

of the drill hole (below 2,300 feet) display dark brown to black chill phases and locally give the appearance of a lamprophyre. Overall appearance of the feldspar and hornblende phenocrysts set in an orange to pink matrix is very characteristic of Coryell-type intrusions.

Distribution

The upper 1,300 feet of the drill hole consists generally of alternating strongly altered porphyritic quartz monzonite cut by FQP itself locally altered near contacts. Three post-mineral QFP also cut this sequence. Below this depth the rocks are less altered and FQP intercepts are less abundant. The section from about 1,800 feet to 2,100 feet contains long intercepts of Nelson granodiorite possibly as large inclusions near the Valhalla stock contact. The lower portion of this section displays intense shear zones, some brecciation and a good deal of mylonitization. Below 2,100 feet the drill hole encountered predominantly fresh Valhalla quartz monzonite.

Alteration and Quartz Veining

Porphyritic quartz monzonite has been most affected by hydrothermal alteration which is strongest in the upper portion of the drill hole and consists of silicification, sericitization, chloritization and possibly potassic alteration. As plotted on Figure 3, the alteration includes moderate and strong pervasive sericite alteration of plagioclase, quartz-sericite envelope and fracture style alteration accompanied by pervasive silicification (in the upper 200 feet) and patchy pervasive chloritization and fracture fillings.

From the drill hole section it is evident that significant hydrothermal alteration rapidly dies out with depth and decrease in FQP abundance.

Possible potassic alteration may be present as manifest by fine shreddy brown secondary biotite in occasional quartz veins observed at several intervals above 500 feet. Possible pink Kspar addition was also noted here and there to a depth of 800 feet.

Pyrite content is generally low averaging less than 1% and between ½ and 1% in the zones of strongest sericite alteration.

Zones of strongest quartz veining occur at 1,160 to 1,195 feet where between 85 and 250 quartz veins per 10 feet (total count) are present. Two ten foot intervals beginning at 1,260 and 1,300 respectively each contain 50 and 53 quartz veins above an average 10 to 20 total quartz veins per 10 feet. These zones appear to be a relict, barren quartz stockwork in porphyritic quartz monzonite.

Mineralization

Mineralization consists of molybdenite, fluorite, sphalerite-galena and magnetite-hematite.

Molybdenite typically occurs as fine-grained "dry" fracture fillings, paint on slip-faced fractures and less commonly in quartz veinlets. Valhalla porphyritic quartz monzonite and FQP are mineralized; the latter less so. Dry fracture fillings are narrow, sometimes crenulated and stylolitic in appearance. Absence of quartz accompanying

molybdenite is striking. The 180 to 230 foot intercept of 0.16% molybdenite as plotted on Figure 3 (using a .06% cutoff) includes 30 feet of 0.19% MoS_2 betweem 200 and 230 feet with one 10 foot section of 0.28% MoS_2 between 200 and 210 feet. Mineralization falls off abruptly below 270 feet. Molybdenite assays are listed in the drill log.

Purple and sometimes green fluorite is ubiquitous in minor amounts as veins, blebs and fine sparse disseminations. It is found in most rock types (units 1 through 4) most commonly as accessory to quartz and in sericite in cross-cutting veins and is most abundant in the zone of strongest hydrothermal alteration. Rare disseminated blebs of purple fluorite are present within large Kspar phenocrysts in FQP. At least two generations of fluorite are represented; one with quartz-sericite alteration and molybdenite mineralization and the other with late stage base-metal mineralization. Fluorine analysis plotted on Figure 3 display marked increase above the base of the molybdenite zone with values between 2,100 and 5,800 ppm above a backgorund of 1,500 to 1,800 ppm.

Sphalerite and less commonly galena are present as minor constituents in mineralized quartz veins. The Pb-Zn analysis indicate a crude metal zonation below the molybdenite mineralization with Zn extending to greater depth into barren intrusive than Pb.

Magnetite as conspicuous black fracture fillings and veins locally forms stockworks 1 to 2%, up to 8 to 10% (by volume) which are plotted on Figure 3. These concentrations of magnetite significantly lie beneath the base of the molybdenite zone. Hematite as coatings on fractures and slip shears occurs in the same area.

S. Enns.

S.G. Enns

APPENDIX I

DRILL LOGS

DIAMOND DRILL RECORD

PROPERTY TUZO CREEK Project Number 300

Hole No. 81 - Mo - 5 Co-ordinates _____ Bearing at Collar -

_____ Dip at Collar - 90°

Collar Elevation 4500 feet (1370 m) Commenced Drilling May 20, 1981

Total Depth 2507 feet (765 m) Completed Drilling June 2, 1981

Logged By: S. Enns

Core Size NQ Coring Method Wireline Drilling Contractor Connors Drilling

Survey Summary

Depth	Dip	Bearing	Method
Collar	-90°	-	Compass
1500'	-89	-	Sperry Sun
2000'	-89	-	Sperry Sun
2500'	-88½	-	Sperry Sun

Pertinent Assay Data

Interval	%
120-230	.10% MoS_2
120-130	.06% MoS_2
150-180	.06% MoS_2
180-230	.16% MoS_2
(includes 30' of	.19% MoS_2)
250-270	.06% MoS_2

Pertinent Geology

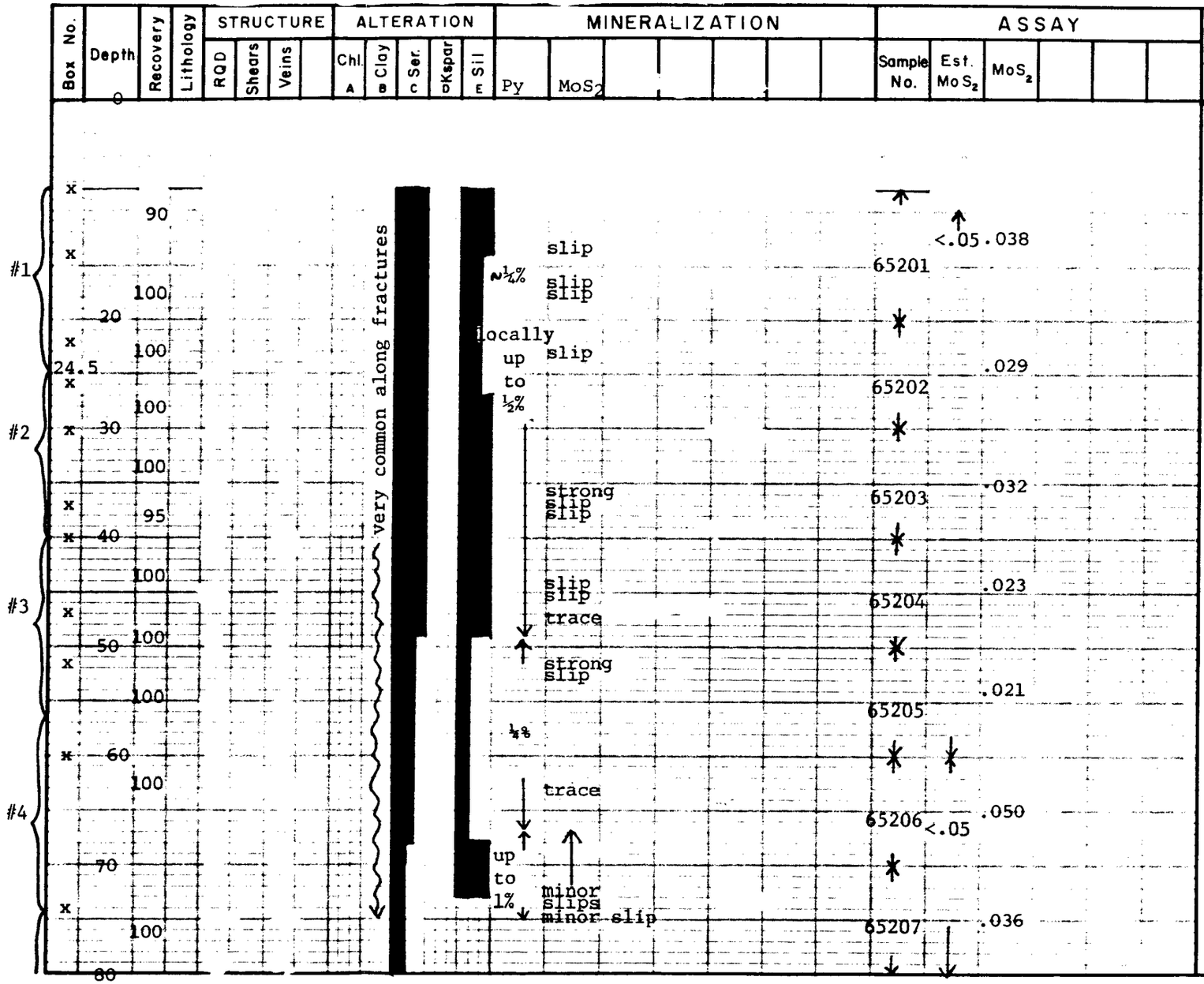
Interval	Rock Type

AMAX MINERALS EXPLORATION

TUZO CREEK PROPERTY

DDH 81-Mo-5

SHEET 1 OF 32



REMARKS

Start Drilling May 20/81

0-8 Overburden May 22/81

8-100 Altered Porphyritic Quartz Monzonite

20-23 highly fractured core
29-30 shattered core
highly broken core 32-35, 37.5-38.5, 80-82, 87-88, 91.5-95
weathering on fracture to depth of 40'
ie: limonite on fractured ends at 40'
pylolusite on fractured ends at 29'
Predominant silicified with subordinate strong sericite alteration. Silicification as pervasive zones and as 1 cm envelopes in pervasive sericite altered zones
Overall a fractured patchy gray appearance is characteristic where silicified texture poorly preserved
In sericite altered zones: large pink K-spar phenocrysts 0.5 to 1.5 cm quartz 2 to 10 mm. Cloudy creamy and greenish plagioclase laths form crowded matrix 2 to 3 mm. Rare biotite approx. 1% is visible in a few less altered zones
Clay especially common on fractures - dies out below MoS_2 on tight slips as paint throughout but 75' minor sphalerite-galena occasionally present as blebs in vague veins; purple fluorite (accompanied by calcite) commonly present throughout; pyrite approx. ¼ to ½% as fine disseminated with greater amounts as 1 to 2 mm crystals in quartz-sericite-pyrite fractures; strong MoS_2 slips @ 37 and @ 52 - 20-30° core axis
very weak quartz veining. as narrow (1-2 mm) poorly defined veinlets 10-20° core axis and barren

AMAX MINERALS EXPLORATION — TUZO CREEK PROPERTY

DDH 81-Mo-5
SHEET 2 OF 32

Box No.	Depth	Recovery	Lithology	STRUCTURE: RQD	Shears	Veins	ALTERATION: Chl A	Clay B	Ser. C	Kspar D	Sil E	MINERALIZATION: Py	MoS_2	ASSAY: Sample No.	Est. MoS_2	MoS_2
#5	80	x						dies out				3/4% minor		65208		.021
	90											trace			<.05	
	100											3/4% trace slips		65209		.031
	95	x														
#6	100	100										¼%		65210		.026
	100	x													~.05	
	110	100										Py-MoS_2 slips				
#7		x										½%		65211		.046
	120											slips				
	100											qtz		65212	~.05	.068
		x										qtz				
#8	130	100										qtz strong slip		65213	.05	.046
		x														
	140											vein		65214	.1	.046
	100											common in tight slips and occ qtz throughout				
#9	150	x												65215	.07	.064
	100											vein				
		x														

REMARKS

Pink fine grained aplitic patches @ 71 @ 96-98 as narrow zoned where rock is fresher
Green and purple fluorite @ 80.5 4 mm vein
Galena-sphalerite with chalcopyrite as poorly defined vein @ 86 with calcite also @ 90.5
strongly foliated @ 92-92.5
Highly fractured rock 87-90
Chlorite-epidote on fractures 83-105-moderate amounts (with calcite)

97-98 Narrow .2 to .3 m feldspar quartz dyke?? (6" to 1') as they appear slightly less altered

100-109 Altered Porphyritic Quartz Monzonite
As above
Highly broken core 100-101, 104-105
105-109 strongly silicified and sericite altered
Conspicuous fracturing with calcite 30-40° core axis; very abundant purple fluorite blebs 1-2%
Chalcopyrite-sphalerite 106.5
Pyrite-MoS_2 slips 108-109 @ 20° core axis

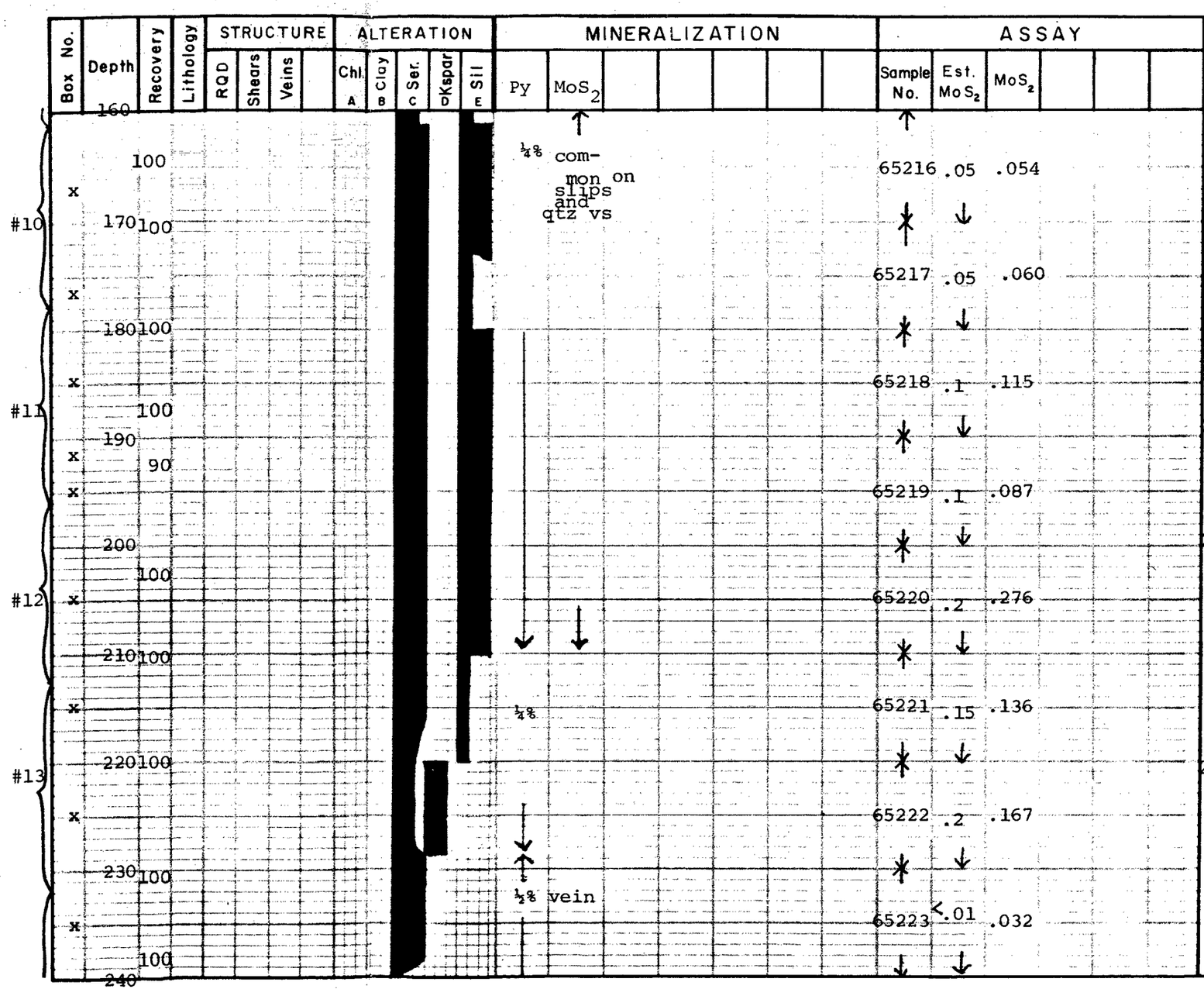
May 23/81

109-160 Sericite Altered Porphyritic Quartz Monzonite
Silicic alteration confined to 1' wide zones
Purple fluorite in micro-fractures cut by later quartz pyrite sericite ± fluorite veins
Fluorite approx. ½% throughout; more conspicuous in silicified zones
Conspicuous; MoS_2 slips 118-120° 50-60° core axis
Fractured composite quartz MoS_2 @ 121.5
Shear zone and crumbly core 116-118
Quartz veins poorly defined occasional quartz-MoS_2 veinlet 1-2 mm; MoS_2 common in occasional quartz veins but mostly as tight slips every few inches 120-140. All MoS_2 very fine grained quartz sericite pyrite veins approx. every foot. 10 mm wide; Micro-fractured rock 155-159
MoS_2 slips cross-cut and microcrenulated locally and show minor offsets. No clear slip/quartz vein

AMAX MINERALS EXPLORATION

TUZO CREEK PROPERTY

DDH 81-Mo-5
SHEET 3 OF 32



REMARKS

160-210 Altered Porphyritic Quartz Monzonite

Pink K-spar up to 1.5 cm. Alteration renders rock a mottled gray overall (where silicified) Greenish where sericite alteration predominates Sericite alteration is pervasive; only K-spar unaffected. Local pink patches and white clay altered plagioclase; this interval shows high degree of micro fracturing and clay in fractures MoS_2 on tight slips common and occasional quartz veins; → brown biotite begins @ 160 Fluorite present throughout as blebs on fractures, in veins and micro fractures cutting K-spar crystals

200-210 Several 10-20° core axis quartz monzonite veins 3-5 mm cutting 50-60° core axis MoS_2 slips as anastomosing feature

Pyrite approx. ¼% disseminated strong on 10-20° core axis veins-occasional

210-228.5 Altered Porphyritic Quartz Monzonite

As above but distinctly pink 218-228.5-K-spar alteration? well mineralized by MoS_2 slips + rholites and quartz-MoS_2 veins; veins appear controlled by incipient fractures. Similarly MoS_2 slips. Narrow altered quartz feldspar porphyry dykes? 6" wide 217-218 or brecciated veins altered quartz monzonite

→Brown biotite? fine grained @ 217-218 secondary biotite

228.5-254.5 Feldspar Quartz Porphyry

Highly irregular upper contact - approx. 80° core axis

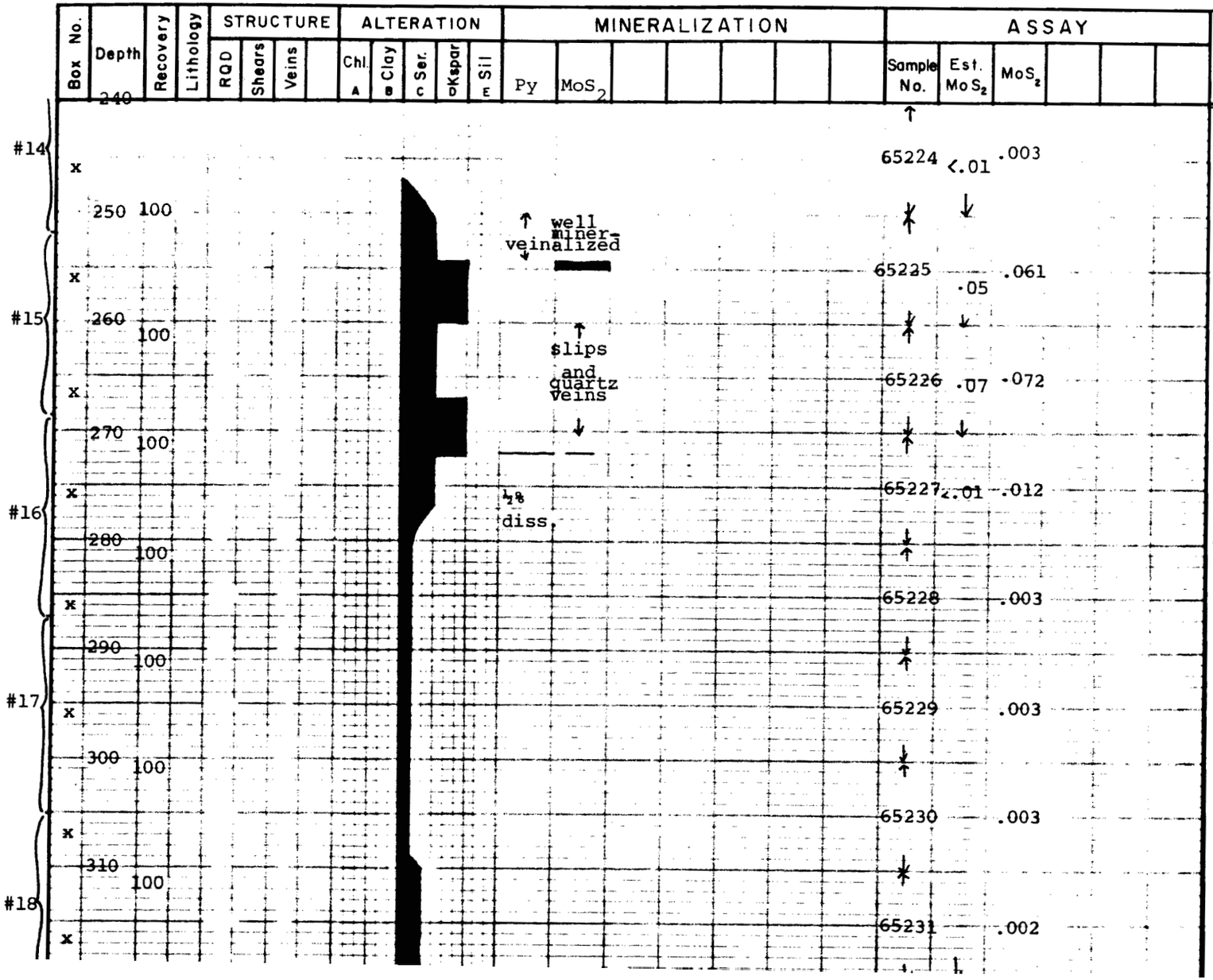
Broken core 253-254

Greenish colour with pink K-spar up to 2 cm Strongly altered matrix and moderately altered K-spar to within 10 feet below contact central portion relatively fresh. Cross-cut by narrow quartz-pyrite fractures (counted as veins)

AMAX MINERALS EXPLORATION

TUZO CREEK PROPERTY

DDH 81-Mo-5
SHEET 4 OF 32



REMARKS

Fluorite follows silica and sericite

Occasional pyrite-sphalerite-galena-fluorite mineralized veins @ 20-30° core axis
Lower contact similarly altered to plagioclase → sericite pervasive and phenocrysts
Lower contact irregular and well MoS_2 mineralized by cross-cutting ½ foot zone of MoS_2 slips within porphyritic quartz monzonite

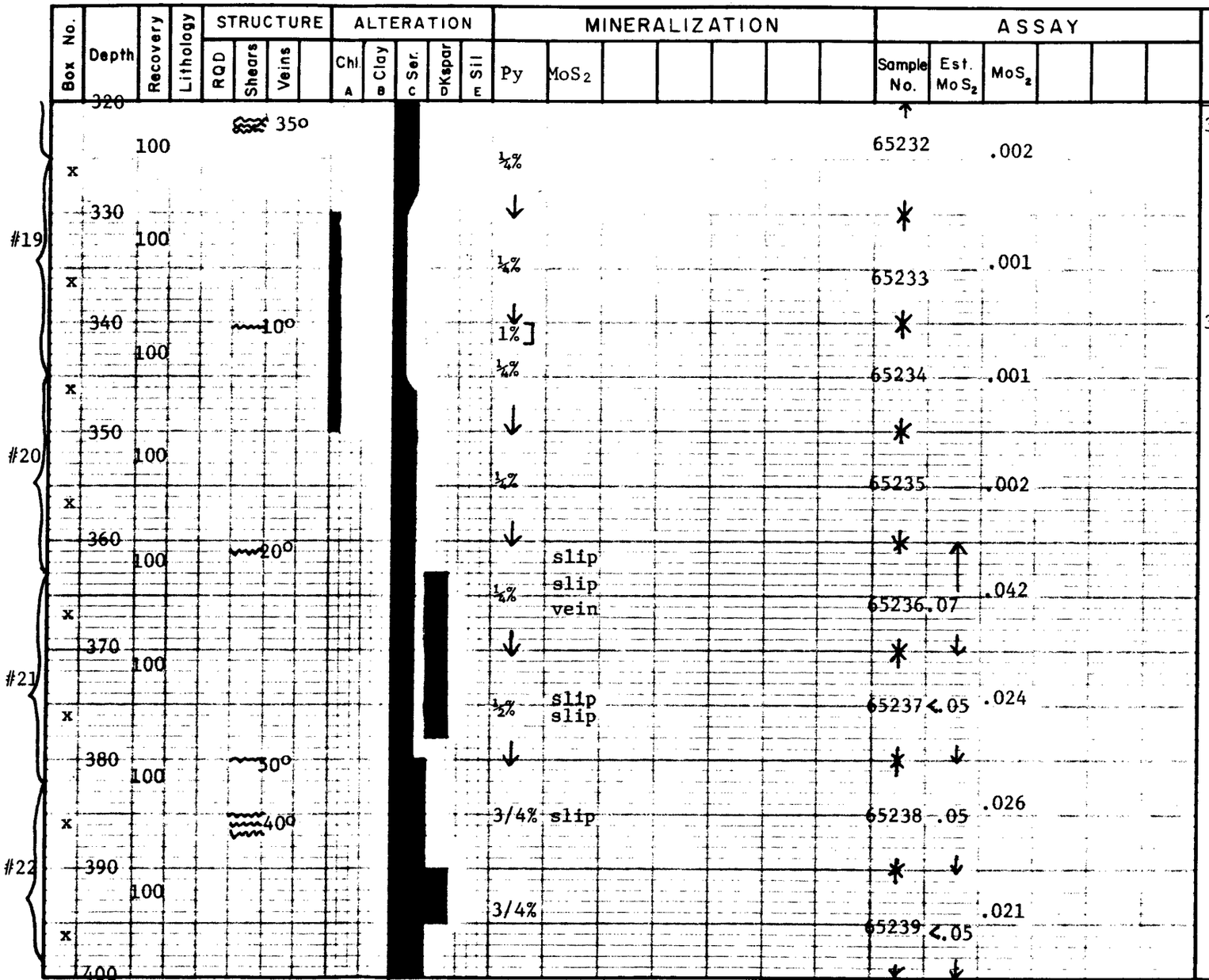
254.5-272 Altered Mixed Quartz Monzonite
Locally sub-porphyritic. Contains 1-3 cm pink aplite inclusions. Mineralized ½ foot MoS_2 slips @ upper irregular contact. Lower contact sharp 60° core axis. Kspar altered near feldspar quartz porphyry contacts? Both are pink. Pervasive sericite alteration predominates. MoS_2 slips (incipient fractures) and occasional broken quartz-MoS_2 veinlets here and there

272-320 Feldspar Quartz Porphyry - gray in colour
Large pink Kspar crystals up to 3 cm and variable in abundance quartz 5-8 mm. Plagioclase 2-4 mm generally sericite altered
280-290 up to 1% biotite present
Variably altered-generally weak pervasive sericite alteration throughout becoming strong 7 feet from upper contact conspicuously cut by common quartz pyrite sericite veinlets generally 20-30° core axis with widening associated sericite envelopes 5 mm below 300 foot depth
Many are galena-sphalerite mineralized occasionally with fluorite; fine grained sphalerite-pyrite slips minor occurrence
Fluorite noted in Kspar cores @ 319
Sericite replacement of Kspar adjacent to quartz-pyrite-sericite veins

AMAX MINERALS EXPLORATION

TUZO CREEK PROPERTY

DDH 81-Mo-5
SHEET 5 OF 32



REMARKS

460-484
Black Dyke

320-363 Feldspar Quartz Porphyry

Same as above
Sericite alteration becomes stronger 350-363
Fluorite common in fractures as blebs and in veins
Pyrite seams 20° core axis and 60° core axis present occasional with sparse sphalerite
Broken core 321-322

363-400 Altered Porphyritic Quartz Monzonite

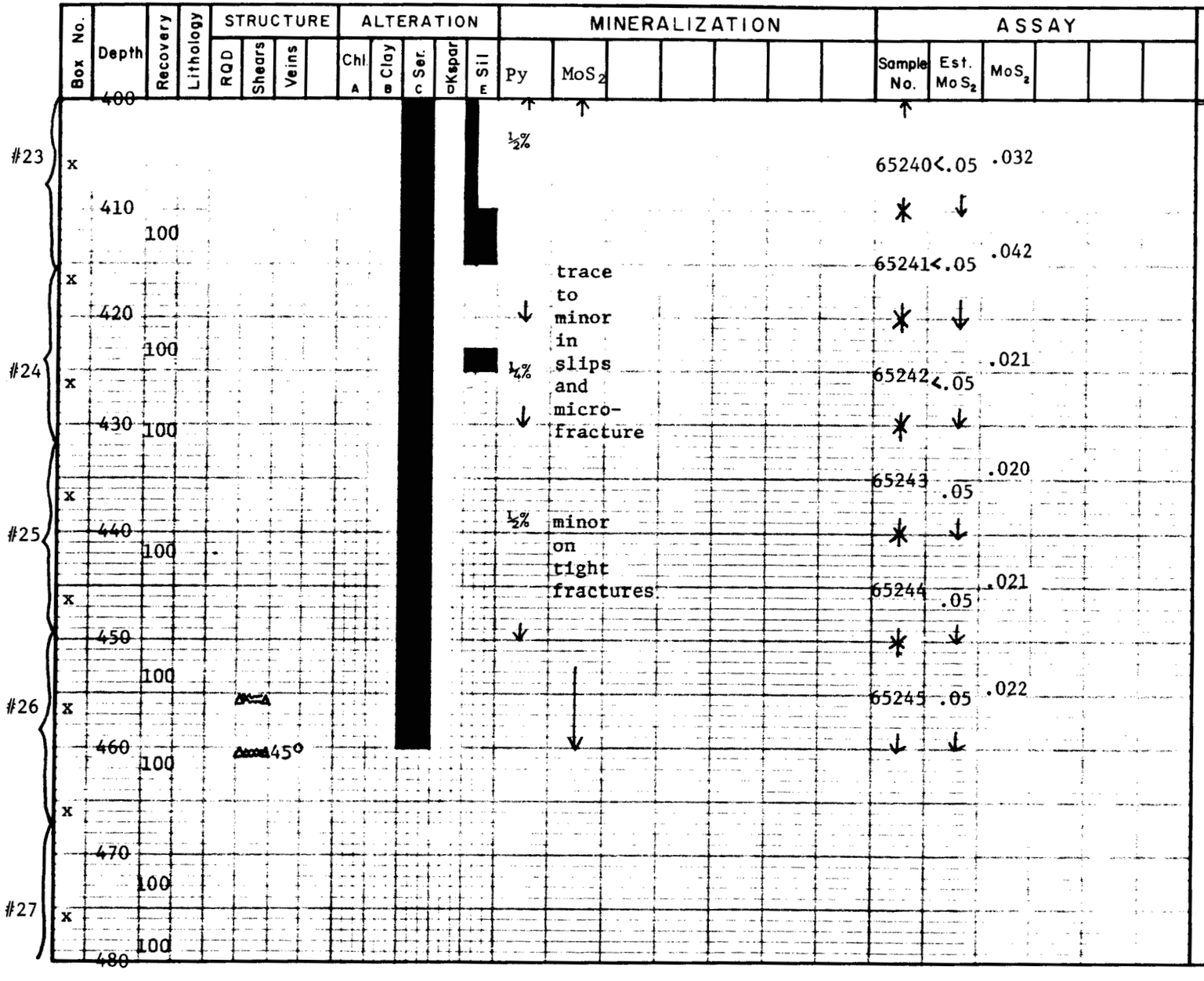
Variable, subporphyritic in places. Extensively fractured contains innumerable incipient? Quartz veinlets which are broken and frequently truncated.
Near contact rock is predominantly pinker for about 15 feet (Kspar alteration?)
Weakly mineralized by tight quartz-MoS_2 veins and MoS_2 slips
Purple fluorite cut by quartz-sericite-pyrite 20-30° core axis

AMAX MINERALS EXPLORATION

TUZO CREEK PROPERTY

DDH 81-Mo-5

SHEET 6 OF 32



REMARKS

400-460 Altered Porphyritic Quartz Monzonite May 24/81

Broken core 410-412, 416-418, 425-428, 456-457

Porphyritic quartz monzonite with large pink Kspar becomes conspicuous less porphyritic 435 to 460. No mafics

Innumerable terminated quartz veinlets-often with offset or small displacement. Barren.

Micro fractured throughout

Plagioclase and matrix sericite altered only pink Kspars survive

Pyrite-sericite cross-cut veinlets - pyrite often rimmed by black minor (non-magnetic colourless streak)?? 410-430

Fluorite common accessory particularly in silicified zones appears to die out after 430

Trace MoS_2 disseminated along micro fractures and slips as very fine grained specks

Brown shreddy very fine grained biotite?? in silicified envelopes 410-430

Magnetite veinlets and disseminated along slips, begin at 430-445

Becomes progressively strongly altered vicinity of shear @ 456-457 contact brecciated 6"

460-484 Brown Basic Dyke

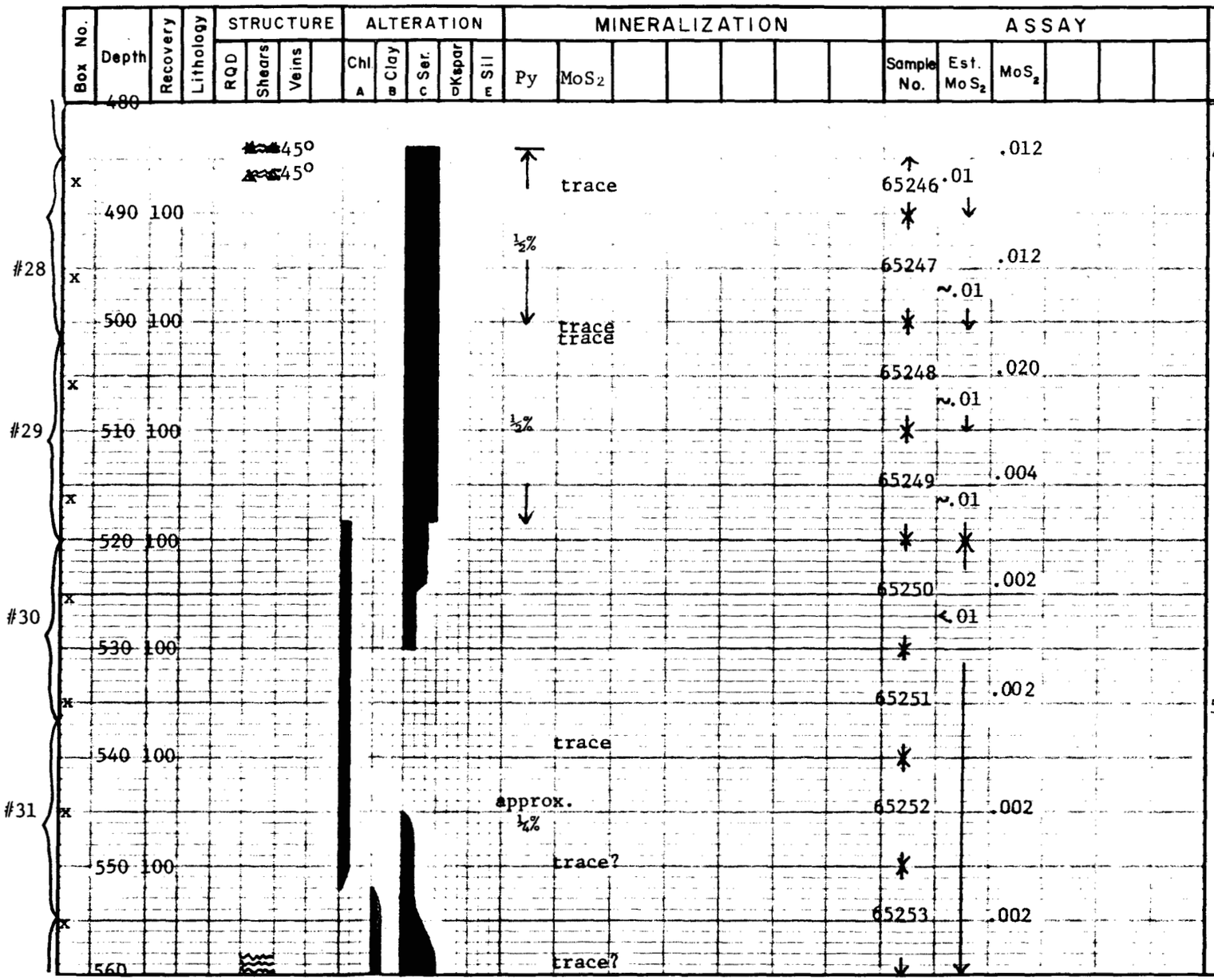
Fine grained greenish plagioclase 1 mm ½ mm biotite dark brown matrix cut by calcite veinlets

Lower contact 1 foot brecciated

AMAX MINERALS EXPLORATION

TUZO CREEK PROPERTY

DDH 81-Mo-5
SHEET 7 OF 32



REMARKS

484-518.5 Altered Porphyritic Quartz Monzonite

Broken Core 489-491, 493-496, 505-507, 509-511, 514-516

Similar to Porphyritic Quartz Monzonite 400-430

Overall mottled pink and greenish colour (feldspar and sericite alteration resp.) 485-500, 503-505, 507-518

Narrow zones of quartz filled crackle zone breccia? Cross-cutting quartz-pyrite-sericite seams common.

Increase in magnetite 492-500 as disseminated and cross cutting fracture and quartz veins eg. @ 492 quartz pyrite magnetite vein 3 mm

Trace amounts of fine grained MoS_2

495-500 Shreddy sub-microscopic brown biotite?? (Brownish tinge)

507-508 1 cm coarse grained biotite in several veins

Magnetite increases 2-3% 517-518.5 as magnetite stockwork

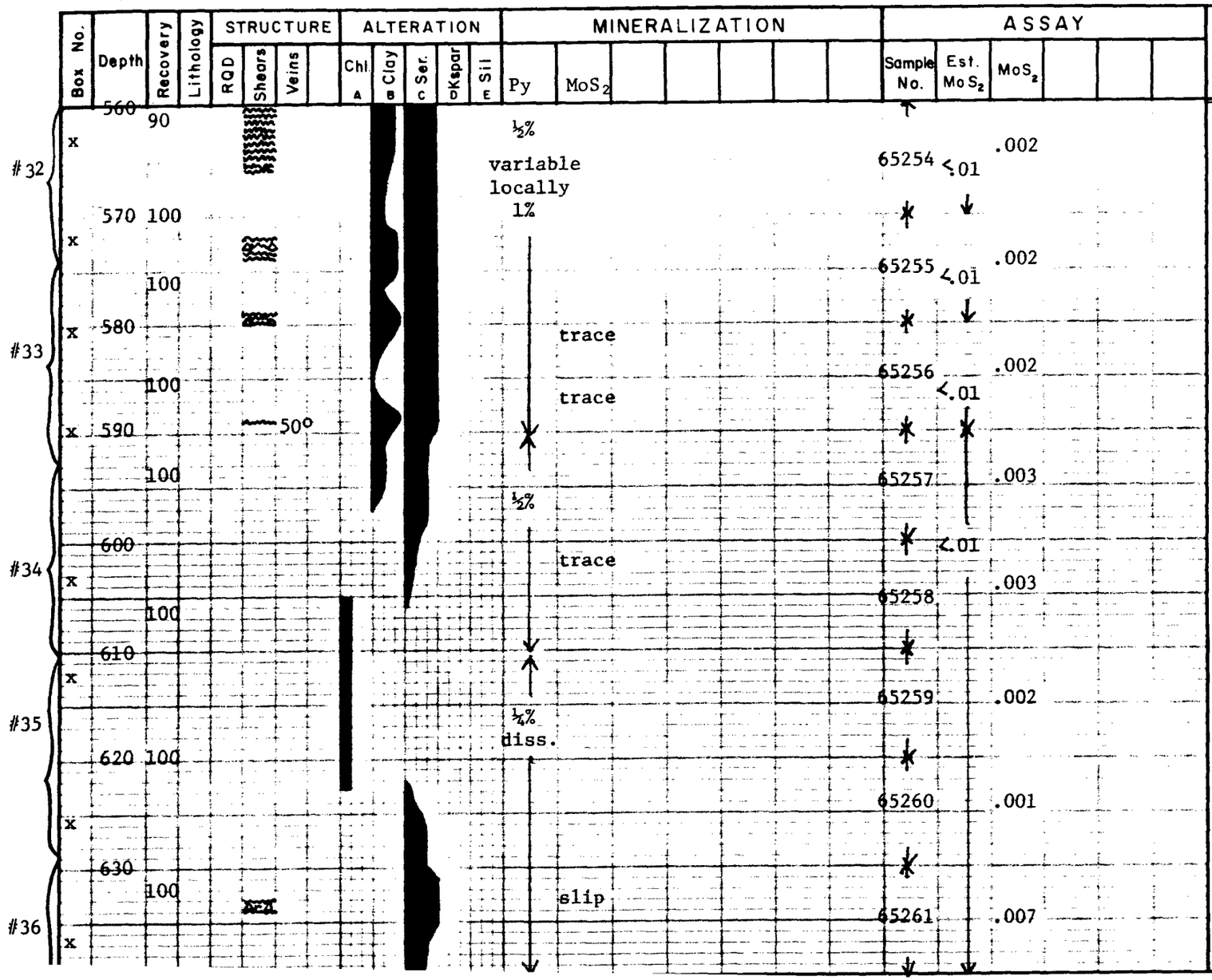
Trace amounts of MoS_2 some possibly specific hematite?? very fine grained

518.5-555 Feldspar Quartz Porphyry

Broken Core 521-522, 533-535 (some gouge), 545-546; sharp re-injected contact-bisymmetric 60°; porphyritic quartz monzonite inclusion 520-521; large pink Kspar 1-2 cm quartz crystals ½-1 cm; 2-3 cm plagioclase Contact altered to about 524 where upon. Biotite 1% conspicuous. White altered plagioclase persist away from contact to about 540. Cut by quartz pyrite veinlets and occasional green fluorite sericite veins @ 553 30° core axis. Conspicuous sericite

AMAX MINERALS EXPLORATION — TUZO CREEK PROPERTY

DDH 81-Mo-5
SHEET 8 OF 32



REMARKS

envelopes.
Trace MoS_2 occasional present in quartz sericite pyrite veinlets
Altered to sericite in vicinity of shear zones
Lost 1 foot core @ 560 feet in shear zone

555-610 Altered Feldspar Quartz Porphyry
Highly sheared broken core sections 558-566 (gouge), 572-574 (gouge), 579-580 (gouge)
Similar to above but generally more altered.
Due to increased showing? - Appears related.
Quartz pyrite fluorite veins with sericite envelopes approx. every foot. As tight quartz sericite pyrite fractures a few per foot.
Occasional trace MoS_2 found in these veins.
Shear zone @ 580 - tetrahedrite or enargite?
? @ 583 Also with quartz-sericite-pyrite veins and fracture
Shear zones contain abundant pyrite and clay, occasional fluorite; occasional quartz pyrite MoS_2? veinlet 600-610 in fresh rock.

610-675 Altered Feldspar Quartz Porphyry
Same as above. Variably altered (Some zones fresh)
Moderate sericite altered except in vicinity of shearing where sericite appears to have flooded outwards.
Sericite-pyrite envelopes conspicuous
Trace MoS_2very fine grained along tight fractures
Mafics (biotite) lightly chloritized.

AMAX MINERALS EXPLORATION

TUZO CREEK PROPERTY

DDH 81-Mo-5

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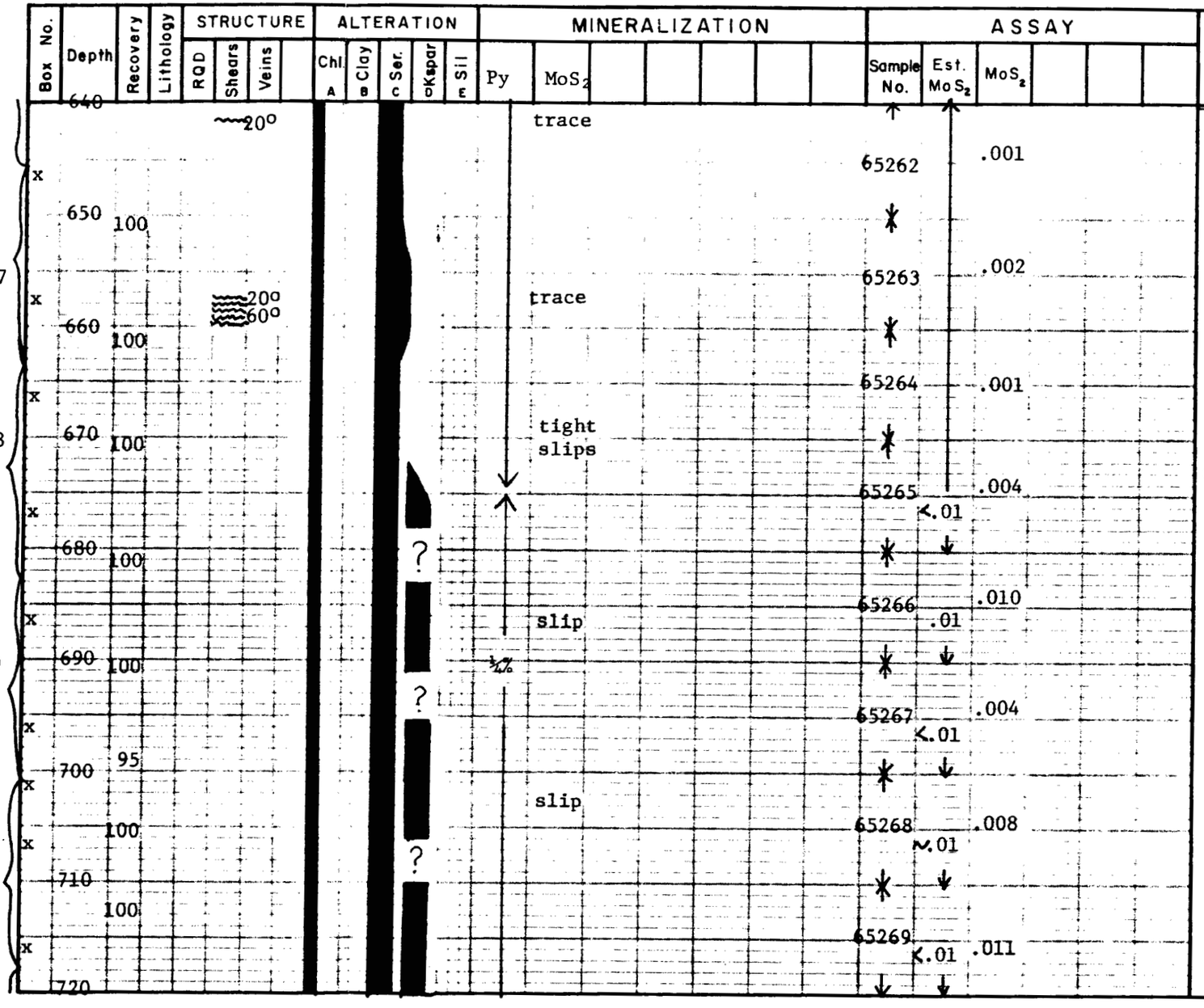


REMARKS

675-747 Pink Feldspar Quartz Porphyry

Similar to above but with distinctly pink colouration change is gradational.

This section cut by numerous dark green fractures (chlorite-clay-sericite?)

1% mafics chloritized

Plagioclase still sericite altered matrix appears to be harder than above (Kspar altered??)

Cut by sparse 20° core axis quartz sericite pyrite veinlets.

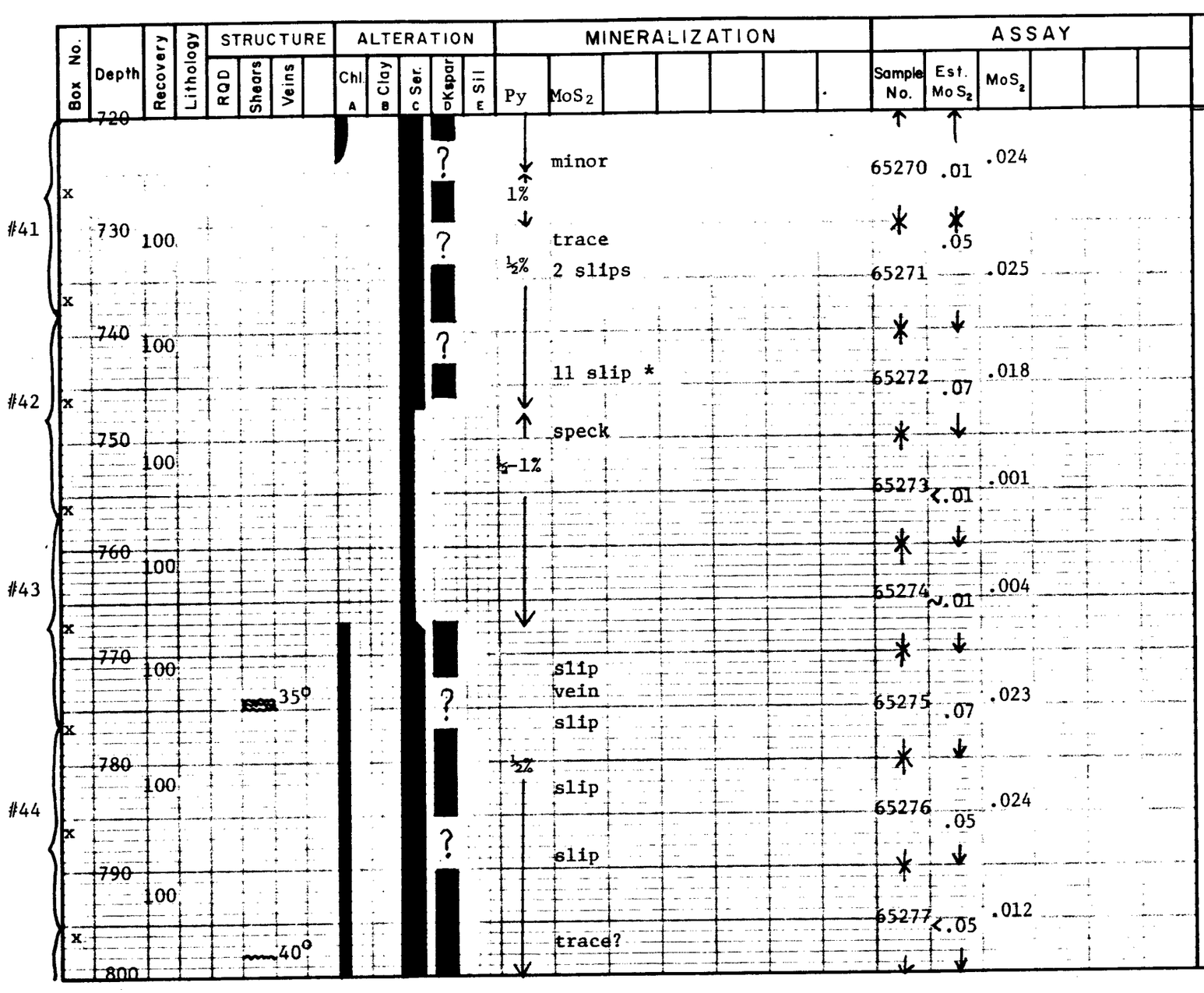
Fluorite specks common throughout as minor accessory specks.

Trace MoS_2 and minor tight MoS_2 slips as noted @ 725 10 cm silicified zone with visible fine grained MoS_2; 2 slips @ 735 approx. 1' MoS_2 slip runs along core axis @ 745 @ 672 @ 676 727-730 strong magnetite stockwork with associated pyrite magnetite 5-6% stockwork has 35° and 60° core axis orientation approximately 675 some resemblence to pink porphyry quartz monzonite

AMAX MINERALS EXPLORATION

TUZO CREEK PROPERTY

DDH 81-Mo-5
SHEET 10 OF 32



REMARKS

(Magnetite stockwork not counted as veins)

747-767 Orange Quartz Feldspar Porphyry
Conspicuously fewer Kspars and orange colour is characteristic different from above
Weakly sericite altered matrix
Sharp upper contact 30° core axis
Variable pyrite in narrow zones up to 1%
Quartz-pyrite-sericite fracture with speck
MoS_2 @ 750

767-800 Altered Feldspar Quartz Porphyry
Similar to above quartz feldspar porphyry
Pink and sericite altered
MoS_2 slips on tight fracture here and there (ie: dry mineralization)
Quartz sericite pyrite cross cutting fractures and veinlets.

AMAX MINERALS EXPLORATION

TUZO CREEK PROPERTY

DDH 81-Mo-5
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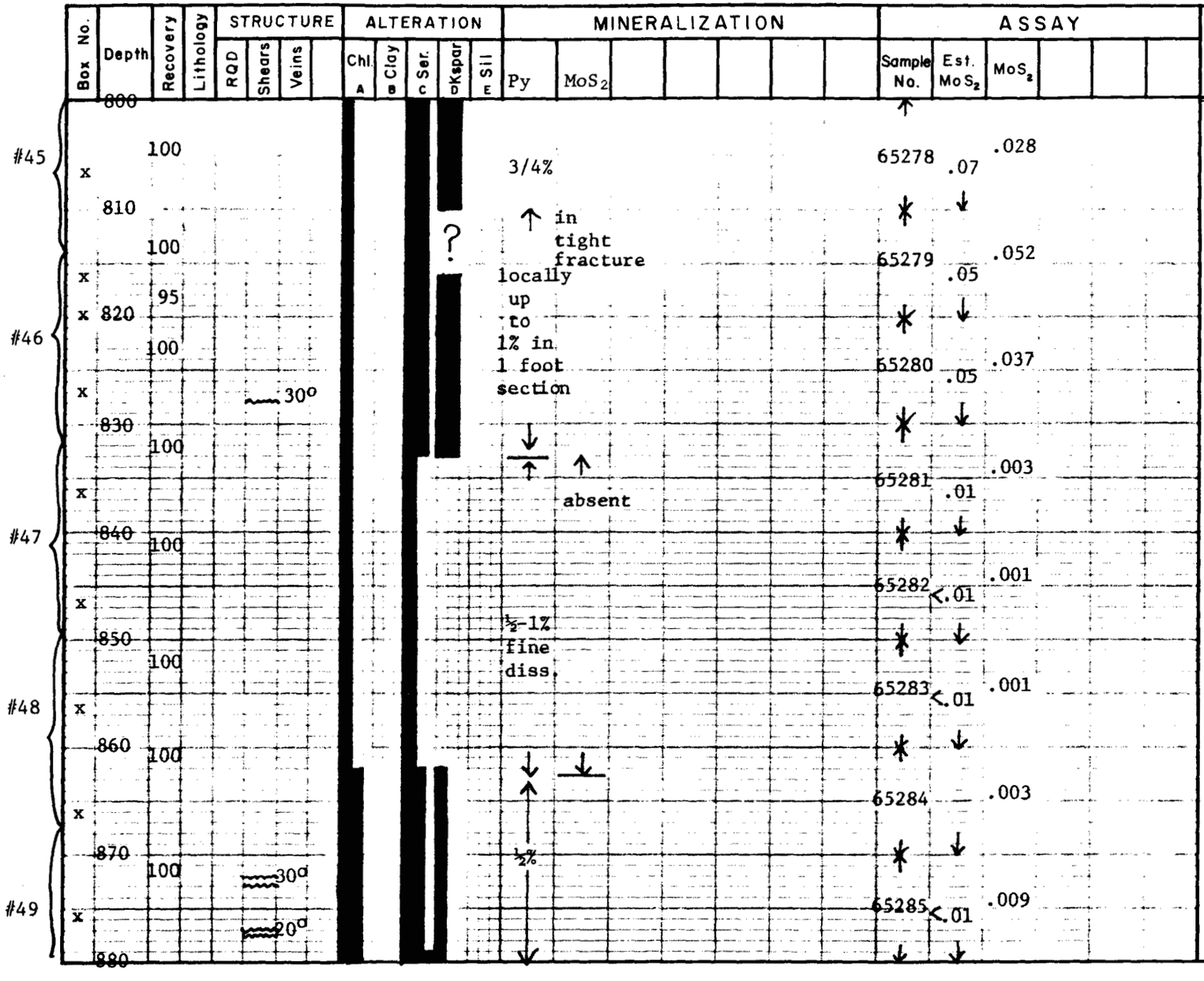


REMARKS

800-833 Pink Altered Feldspar Quartz Porphyry —•May 25/8
As above
Moderate sericite altered pervasive with pyrite-sericite fracture and envelopes 60° core axis
mafics chloritized
Weakly mineralized by fine grained minor MoS_2 on tight slip and minute fracture accompanied by fluorite and pyrite
Fluorite associated with pyrite-sericite fractures
Several quartz sericite Kspar flooded sections 6" to 1' 621-628 with minor MoS_2
Moderately fractured.
Chlorite in fractures increases slightly last 10 feet to contact

833-863 Pale Orange Quartz Feldspar Porphyry
Irregular sharp upper contact approx. 80° core axis
Lower sheared contact 60° core axis
Pervasive sericite altered plagioclase and cut by sparse pyrite-sericite fracture with occasional fluorite alteration variable some 2' zones strong sericite; 1% biotite chloritized
Kspar replacement-sericite adjacent to pyrite-sericite fracture
Black sphalerite? galena on tight pyrite filled fractures eg. 859.
Post mineral dyke?

863-982 Pink Altered Feldspar Quartz Porphyry
Broken Core 867-868
Fractured same as above dyke
Magnetite pyrite chlorite fractures. Chlorite conspicuous on fractures 863-890
Very strong sericite altered zone 879-880

AMAX MINERALS EXPLORATION

TUZO CREEK PROPERTY

DDH 81-Mo-5

SHEET 12 OF 32

Box No.	Depth	Recovery	Lithology	STRUCTURE: RQD	Shears	Veins		ALTERATION: Chl. A	Clay B	Ser. C	Kspar D	Sil E	MINERALIZATION: Py	MoS_2	ASSAY: Sample No.	Est. MoS_2	MoS_2
	880												strong slip				
	90		LC														
x															65286	.01	.022
	890						40° 60°						½%				
#50		100											diss.slip				
x													higher amounts in sericite trace envelopes on fracture and sericite-pyrite slip veins		65287	.05	.016
	900																
		100													65288	.05	.030
x																	
	910																
#51		100													65289	<.05	.009
x																	
	920																
		100													65290		.005
x																	
#52	930																
		100													65291		.004
x							40°										
	940						20°										
															65292		.010
#53	950						50°										
							80°								65293		.005
	960																

REMARKS

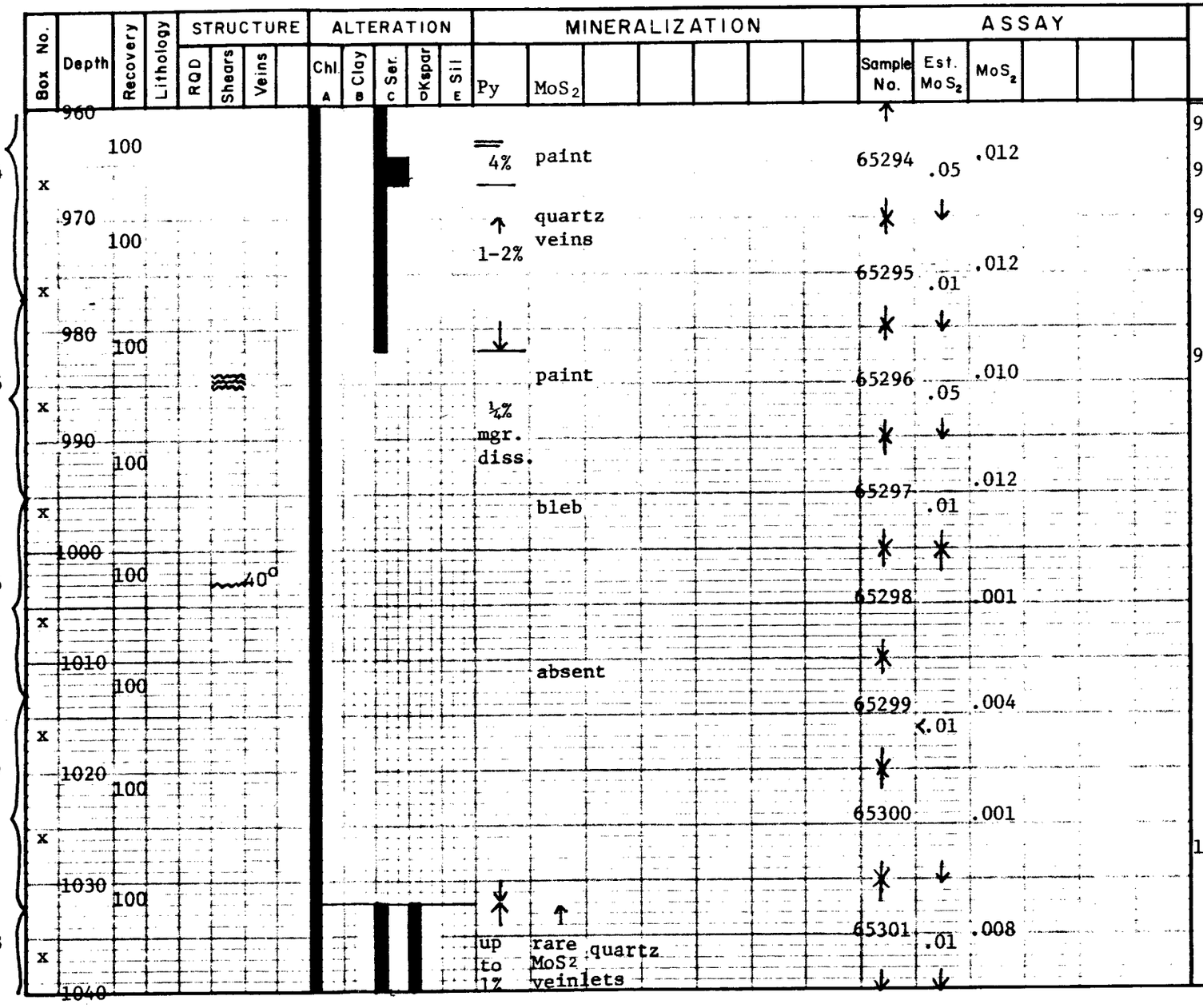
781-784 Black mineralization associated with pyrite??
White streak, non magnetite common fractures
LC 885-887 Ground up lost 1 foot core

880-960 Pink Feldspar Quartz Porphyry (as before)
or Porphyritic Quartz Monzonite?
Large Kspar abundance, quartz euhedral average .5 cm
Greenish Plagioclase variably altered sericite
Pink matrix
Mafics variable in amounts 0 to 1% - chloritized
Chlorite in fractures decreases gradually after 900
This unit by itself could be termed porphyritic quartz monzonite?
Cut by common but sparsely distribution sericite-pyrite envelopes
Strong sericite alteration near shear zones
Pyrite-magnetite stockwork and sheared section 885-890, 908-915
Fine grained MoS_2 on tight micro-fractures and occasional slip
MoS_2 with sericite pyrite vein @ 899 also fluorite very rare eg. 917 quartz-MoS_2 vein related - occasional MoS_2 disseminated also fluorite disseminated
@ 941 narrow graphite shear with minor MoS_2?

AMAX MINERALS EXPLORATION

TUZO CREEK PROPERTY

DDH 81-Mo-5
SHEET 13 OF 32



REMARKS

957-964 Magnetite stockwork. Locally 4-5% on 4 cm width

965-967 Very strong sericite-pyrite altered zone with MoS_2 paint

970-972 quartz MoS_2 veinlets 1 mm wide
Occasional sharp 1 mm quartz veins cut by quartz sericite pyrite to veins and in turn cut quartz-sericite-pyrite.
Quartz veins becoming slightly more abundant - still rare.

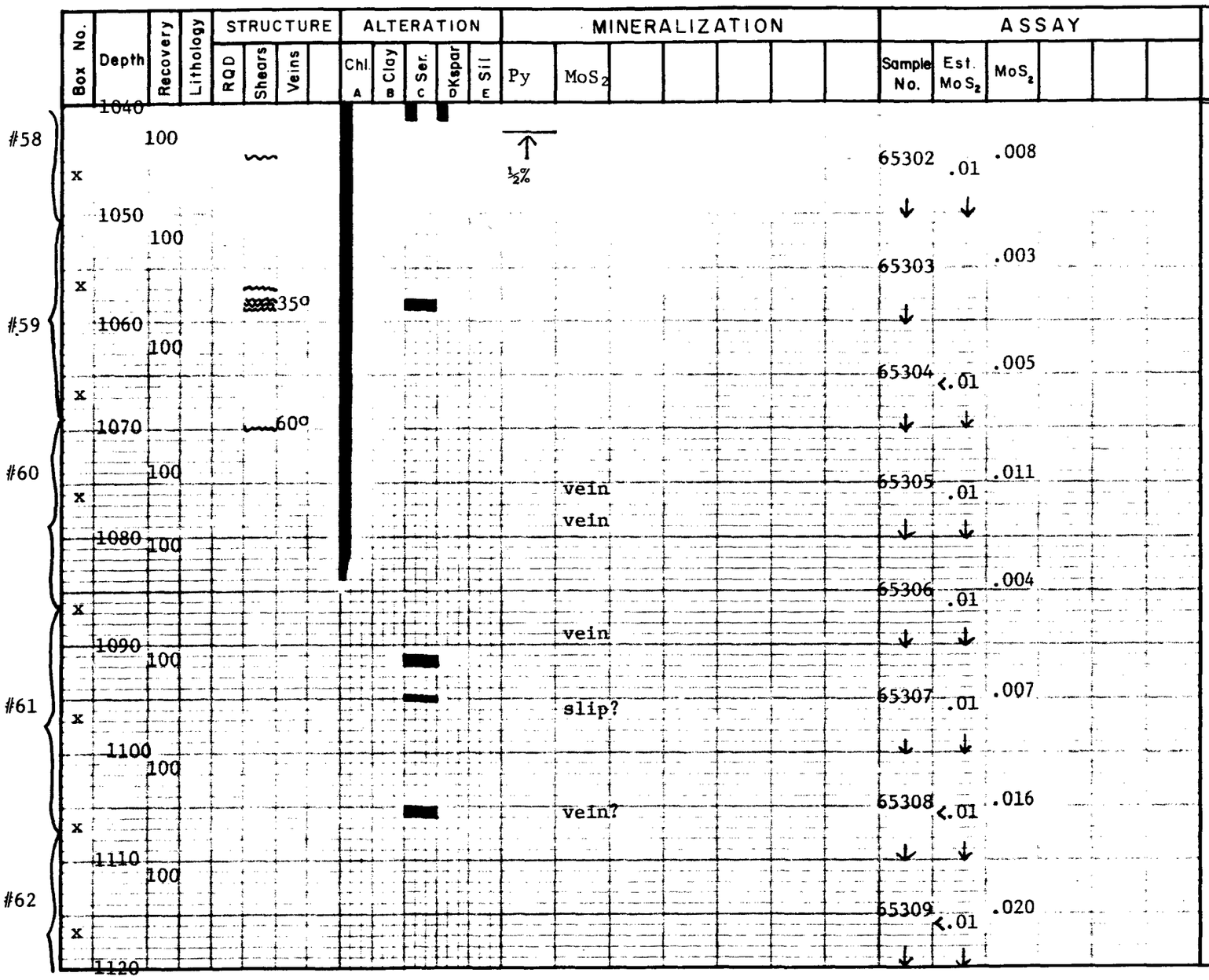
982-1032 Quartz Feldspar Porphyry
Sheared upper contact with inclusions of feldspar quartz porphyry
@993.5 - 995, large inclusion
Inclusions weakly mineralized MoS_2-some well endowed. 988
Buff coloured-large pink Kspars sparse but become more abundant 997 onward.
Occasional pyrite-black mineralized sphalerite? on fractures eg. 993 surrounds pyrite crystals.
Kspar of this unit pale pink vis a vis dark pink of feldspar-quartz porphyry above and below.
Occasional pyrite-sericite envelopes/ fractures.
Shear @ 1003 mineralized by fluorite and sphalerite.
Pale pink Kspar abundance increases toward 1032 gradational→feldspar-quartz porphyry apparent ——— May 26/81

1032-1042.5 Altered Pink Feldspar Quartz Porphyry
As 863-982; magnetite stockwork associated with this zone. Locally 7-8% over 6 inches
Pyrite seams strong 20° core axis
Occasional quartz-MoS_2 magnetite veinlets 20° core axis 1041 accompanied by minor fluorite

AMAX MINERALS EXPLORATION

TUZO CREEK PROPERTY

DDH 81-Mo-5
SHEET 14 OF 32



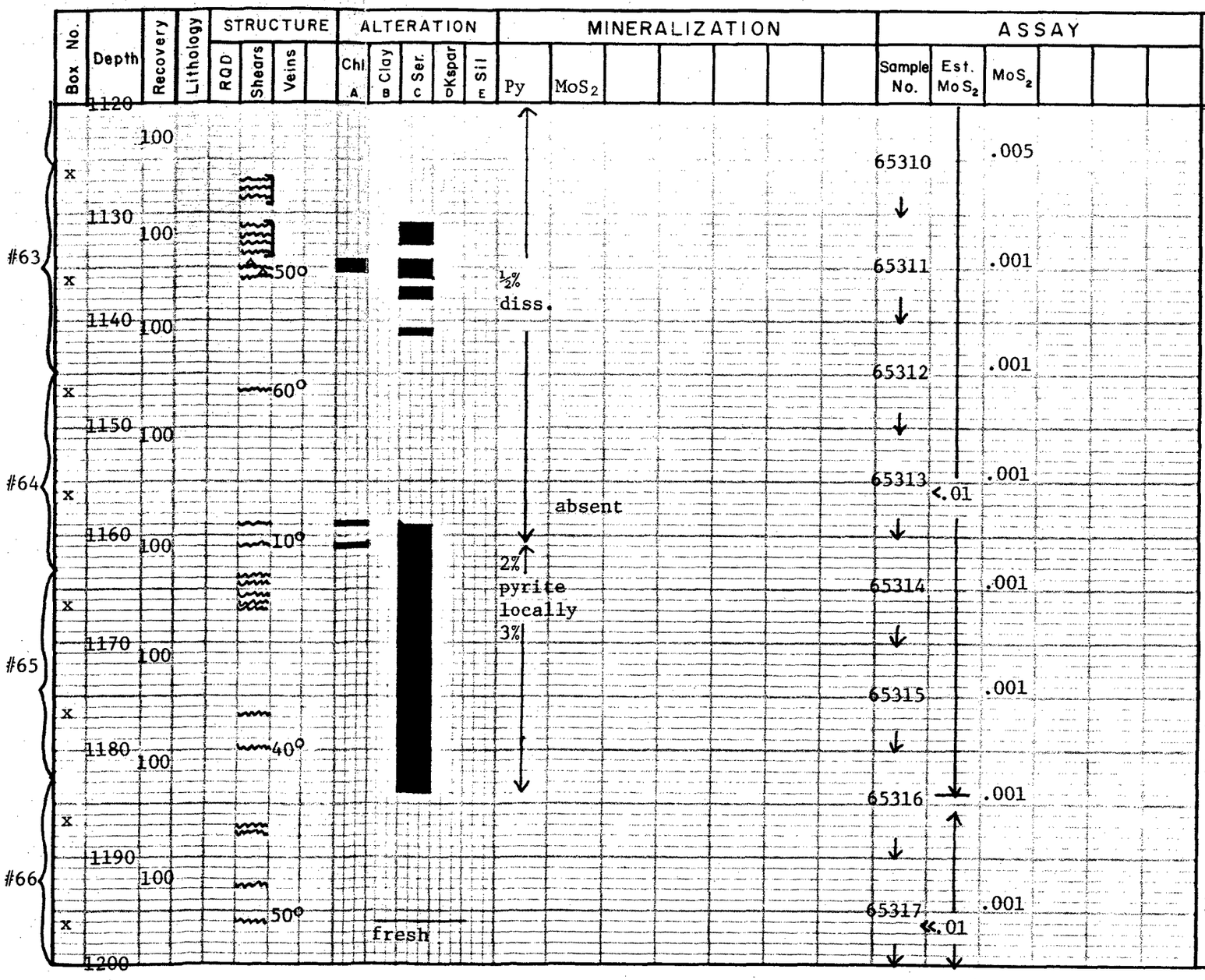
REMARKS

1042.5-1112 Pink Feldspar Quartz Porphyry
Gradational equivalent of quartz feldspar porphyry above 1032
Appears less altered overall to fresh
(Biotite→chloritized)
Conspicuous altered wide sericite envelopes as zones 1 foot wide and a few centimetres about fractures
Disseminated pyrite medium grained
Occasional quartz sphalerite vein 30° core axis @ 1073
1 mm quartz MoS_2? vein @ 1076 5° core axis
@ 1079
Blue-Gray banded vein with sericite envelope @ 1090 8 mm quartz pyrite MoS_2 sericite 20° core axis
@ 1099 8 mm quartz pyrite MoS_2 sericite
@ 1106 8 mm quartz with very fine grained MoS_2
1095 and 1096 2 graphite with MoS_2? slips @ 1105 - 6; 1 foot sericite envelope with blue gray sharp quartz-MoS_2 ? veinlet 1 mm wide
Cloudy white plagioclase 1075-1080 - soft white clay replacement

AMAX MINERALS EXPLORATION

TUZO CREEK PROPERTY

DDH 81-Mo-5
SHEET 15 OF 32



REMARKS

1112-1184 Pink Porphyritic Quartz Monzonite
*Could also be local variant of pink feldspar quartz porphyry - gradual contact. 2% biotite-very weakly chloritized-generally fresh rock; white soft clay eg. plagioclase pseudomorphs. Cut by sharp banded 1 to 4 mm blue-gray quartz veins. 20° core axis
Banding in sharp quartz veins - caused by thin calcite seams mineralized by pyrite
No MoS_2 seam and pyrite. Darker veins weakly magnetic. Also cut by pyrite-sericite fracture and envelope. Sericite envelopes appear as conspicuous zones locally 6" to 1' wide

1161-1184 Sericite altered overall but patchy with fresh zones. Alteration related to moderate shearing with numerous local 1" wide shears
Clay gouge in shear zones.
Minor chalcopyrite in some quartz sericite pyrite fractures and zones.

1161-1184 Strong quartz stockwork zone. Barren quartz veins. Minor chalcopyrite. Unidentified black mineralization present. Minor fluorite with sericite altered zones. Cut by quartz sericite but most cut sericite alteration.
Strong pyrite seams cut quartz stockwork

1166-1179 Magnetite stockwork zone but in narrow patches up to 10% locally.

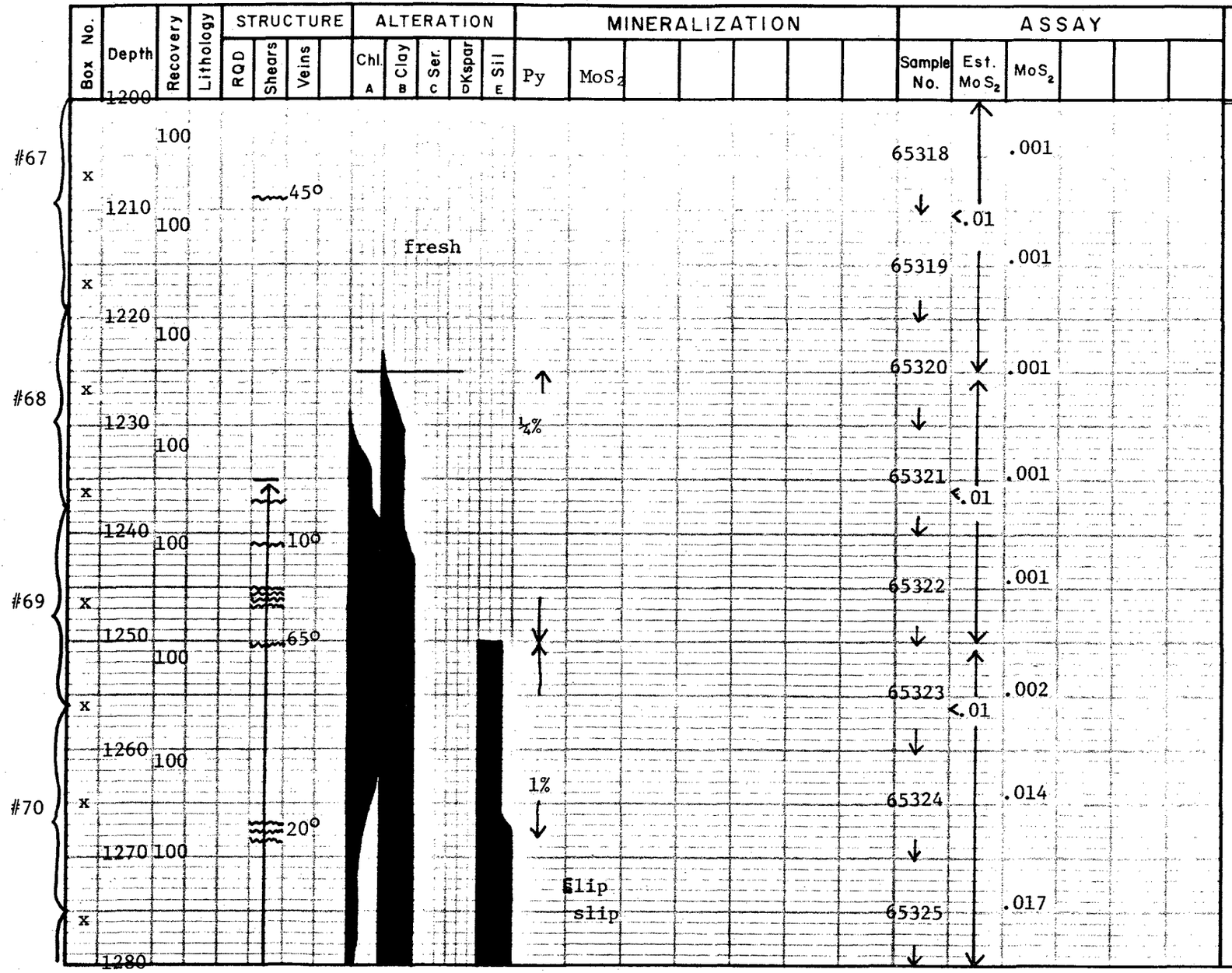
1184-1196 Altered Brown Feldspar Quartz Porphyry
Crowded phenocrysts. Brown tan altered looking matrix.
1193-1196 Pale green clay. Sericite fracture alter this unit strongly. Probably contact phase of unit below.

1196-1225 Pink Feldspar Quartz Porphyry
Fresh 1% biotite. Cut by occasional pale green clay sericite seams. Devoid quartz

AMAX MINERALS EXPLORATION

TUZO CREEK PROPERTY

DDH 81-Mo-5
SHEET 16 OF 32



REMARKS

veins and mineralization. Calcite veinlets Gradational to brown feldspar quartz porphyry as 1184-1196. Soft white clay plagioclase pseudomorphs 1210-1225.

Zone of shearing alteration begins at about 1235

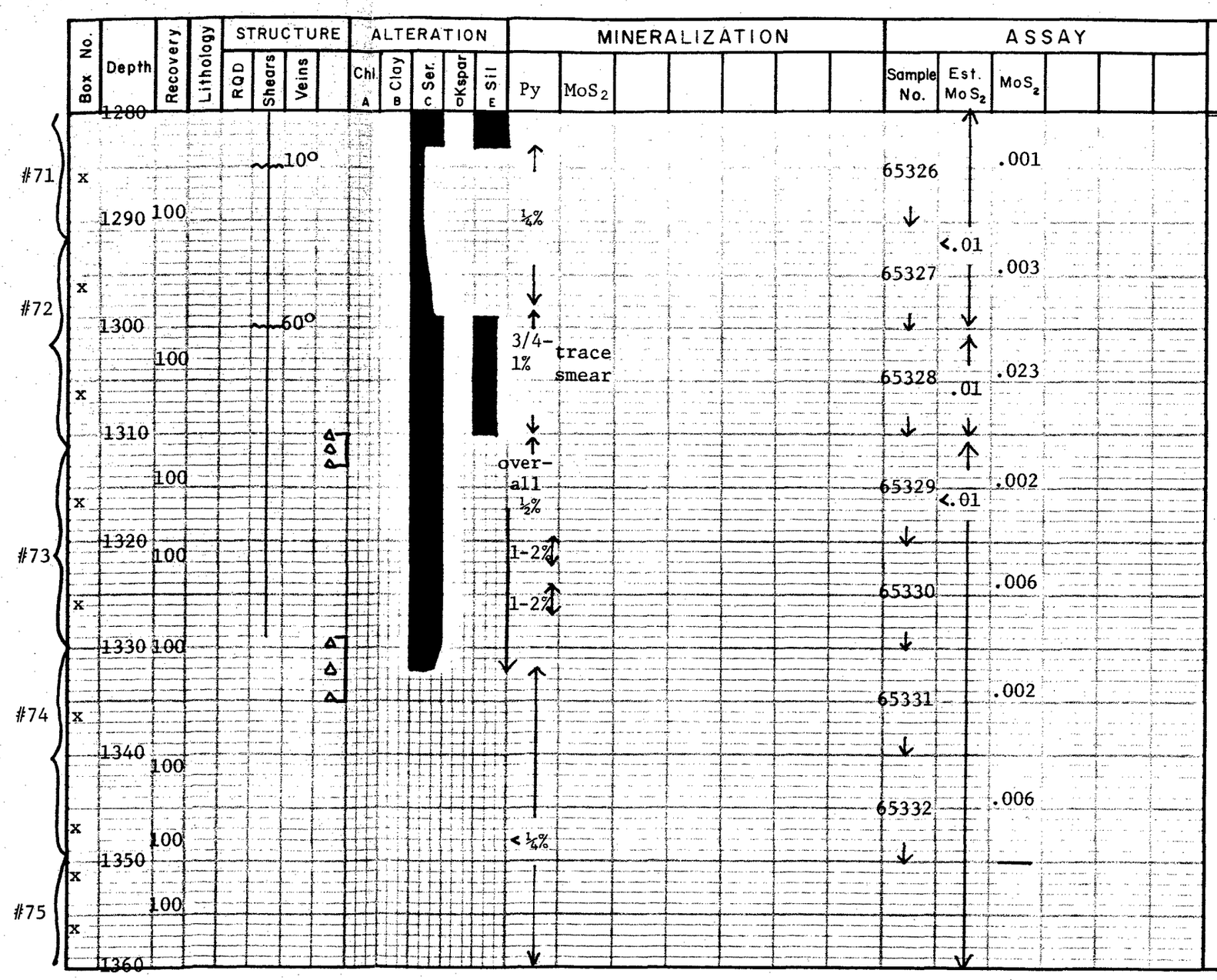
1225-1250
.5 Altered Feldspar Quartz Porphyry
Same lithology. Becoming dark brown matrix with altered appearance. Turns greenish 1234-1250. Sericite + clay? - crushed. Pink Kspars display crushing white clay plagioclase pseudos. Quartz phenos cloudy and bluish colour.
This unit altered predominant by shearing.
Numerous calcite veinlets.
Occasional fluorite specks. Magnetite veinlets and masses 1235-1237.

1250-1283
.5 Altered Porphyritic Quartz Monzonite?
Abrupt contact 60° core axis
Looks silicified commonly quartz stockwork as relict feature. Minor to trace MoS_2 slips
Minor purple fluorite specks.
Dark gray fine grained magnetite from altered magnetite stockwork? zones? 1250-1259
Strongest alteration 1268-1283
Contains weak chalcopyrite
Hematite on slips 1270 onward.

AMAX MINERALS EXPLORATION

TUZO CREEK PROPERTY

DDH 81-Mo-5
SHEET 17 OF 32



REMARKS

1283-1298 Altered Feldspar Quartz Porphyry
As 1225-1250 Brownish matrix
Rolled cloudy quartz and broken Kspar phenos

1298-1310 Strongly Altered Porphyritic Quartz Monzonite? ——→ May 27/81
As 1250-1283 Strong sericite alteration moderate silicified. Relict quartz stock-work
Light brown colour

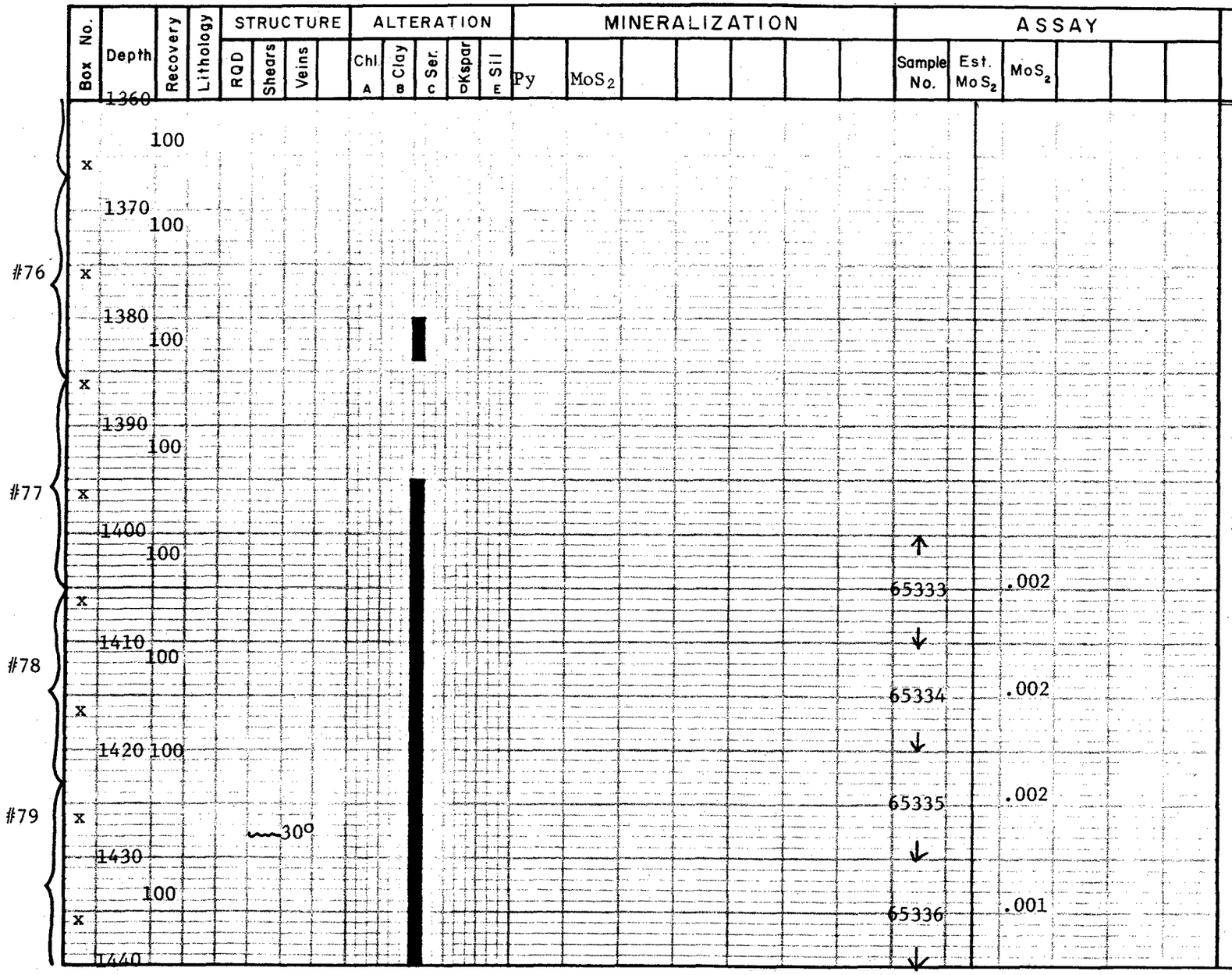
1310-1332 Altered Feldspar Quartz Porphyry
Dark brown sheared feldspar quartz porphyry with crushed quartz feldspar. Brecciated with black zones 5 cm to .5 m eg. zone 1310-1313 1310-1312.5. Hematite rich
Hematite on slip common.
Strong pyrite 2-3% in these black zones and weakly magnetic.
Numerous black fractures which are weakly magnetic and hematite bearing.
Alteration sericite pervasive and on fractures.
Very brecciated lower contact - arbitrary placement zone extends 1329-1335 - black abundant hematite.

1332-1365 Brown Feldspar Quartz Porphyry
Fresh, unaltered.
Strong foliation 25° core axis 1353-56 with numerous altered pink porphyry quartz monzonite.
Large inclusion (1') @ 1340, 1365

AMAX MINERALS EXPLORATION

TUZO CREEK PROPERTY

DDH 81-Mo-5
SHEET 18 OF 32



REMARKS

1365-1377 Gray Quartz Feldspar Porphyry - probable variant of brown feldspar quartz porphyry
Sparse Kspar and smaller
2% biotite
Fresh - unaltered

1377-1380 Brown Feldspar Quartz Porphyry
As 1332-65

1380-1384 Altered Pink Porphyritic Quartz Monzonite
Brecciated 2 feet upper contact
Weakly magnetic
Black slips of chlorite-clay and hematite
Large inclusion in feldspar quartz porphyry

1384-1395 Gray Feldspar Quartz Porphyry
Black upper 2 feet
Inclusions of altered quartz monzonite
Weakly magnetic black patches

1395-1464 Altered Pink Porphyritic Quartz Monzonite
Brecciated upper contact
Brecciated zones 1397-1402
1405-1409

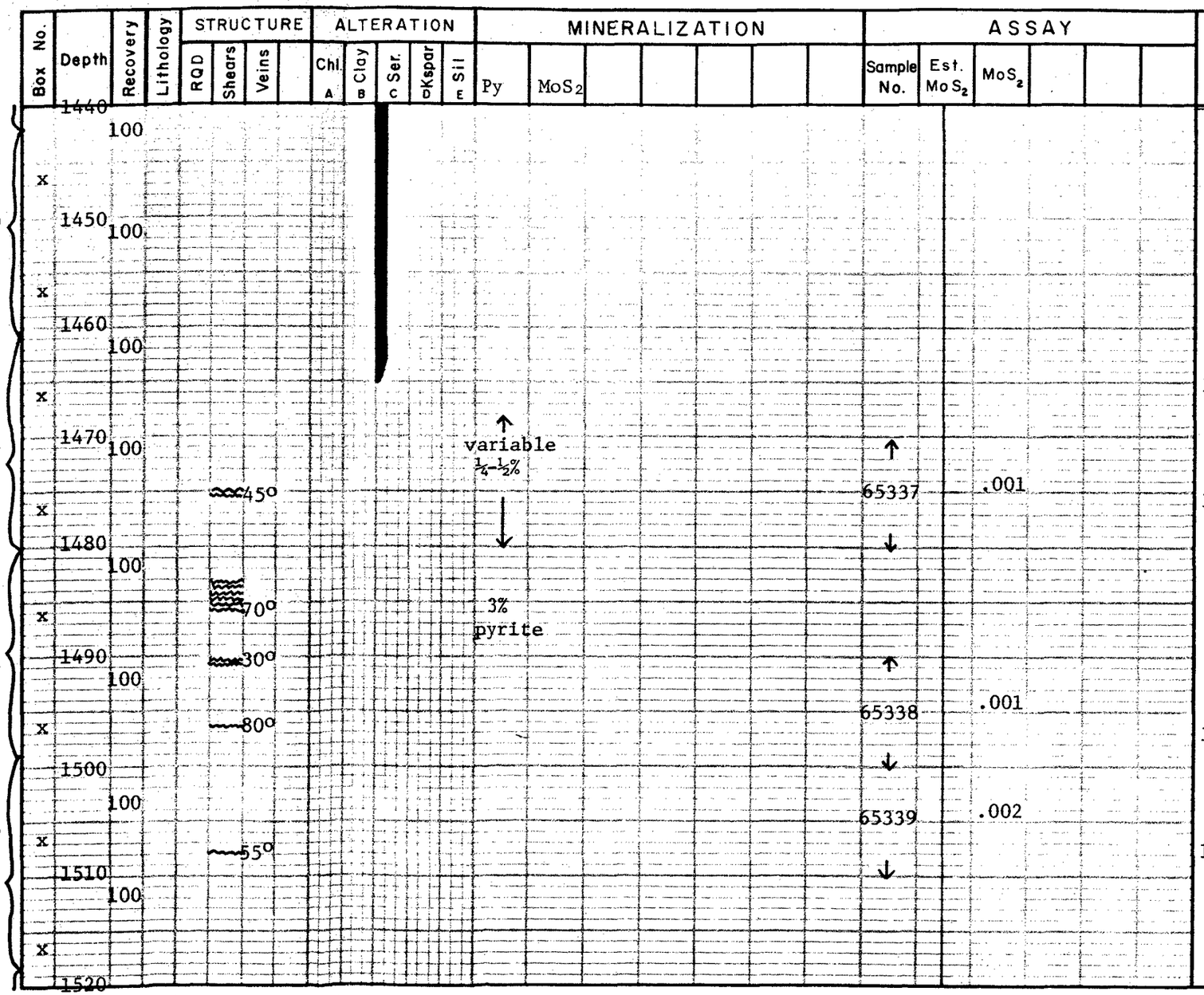
Fractured 1412-1414 cut by innumerable
1417-1421 black criss-cross
fractures. Hematite?

Becomes distinctly less porphyritic
1414-1442
1449-1450
1452-1464

AMAX MINERALS EXPLORATION

TUZO CREEK PROPERTY

DDH 81-Mo-5
SHEET 19 OF 32



REMARKS

Intermittent quartz-pyrite-sericite-hematite envelopes 1 cm to 2 cm wide @ 1415, 1416, 1419, 1431, 1436-1459, 1451-1456
Overall alteration weak sericite by virtue of numerous sericite bearing fractures.
Locally sericite pervasive alteration over several feet.
Hematite common on slips locally 2-3% in dark patches.
Very crackled 1457-1464 abundnat hematite on slips.

1464-1471 Brown Feldspar Quartz Porphyry
Moderate crushed pink Kspar phenos.
Micro fractured with chlorite on slips and abundant hematite.

1471-1485 Porphyritic Quartz Monzonite - Contact Zone
1471-1475 gradational contact brown feldspar quartz porphyry - porphyritic quartz monzonite gradual brown to pink colour change.
1476-1484 brecciated zone abundant hematite
Strong shear zone 1483-1484.5 - black brecciated lower contact 1477-1486.
1484.5 becomes less broken and fractured @ depth
1490.5-1491 2-3% pyrite.

1485-1512 Fresh Porphyritic Quartz Monzonite
Hematite seams 3-4 mm become less abundant after 1510.
Pyrite sericite shears 2-10 cm occasional.
Common chlorite fractures.

1512-1515 Gray Feldspar Quartz Porphyry
Oscillatory zoned Kspar.
Chlorite fracture common.

AMAX MINERALS EXPLORATION

TUZO CREEK PROPERTY

DDH 81-Mo-5
SHEET 20 OF 32

Box No.	Depth	Recovery	Lithology	STRUCTURE: RQD	Shears	Veins	ALTERATION: Chl. A	Clay B	Ser. C	Kspar D	Sil E	MINERALIZATION: Py	MoS_2	ASSAY: Sample No.	Est. MoS_2	MoS_2
#84	1520				45°			■								
	x															
	1530	100			25°											
	x															
#85	1540	100														
	x															
	1550	100												↑		
	x													65340		.002
	1560	100												↓		
#86	x															
	1570	100														
	x															
	1580	100														
#87	x															
	1590	100														
	x															
	1600															

REMARKS

1515-1542.5 Pink Porphyritic Quartz Monzonite
May 27/81
Fresh. Common chlorite fracture.

1542.5-1552 Gray Feldspar Quartz Porphyry
as 1512-1515
1524-1527 Quartz sericite pyrite altered zone.
Several 1-3 cm narrow envelopes of quartz sericite pyrite scattered here and there

1552-1650 Porphyritic Pink Quartz Monzonite
Unaltered. Fresh. No mineralization
Cut by numerous chlorite fracture
Cut by numerous black chlorite-hematite fracture which are weakly magnetic.
Hematite often as 1-4 mm slips and seams.
Large pink Kspar 2-3 cm euhedral well formed crystals.
Bluish cloudy quartz phenos 5-8 mm subhedral up to 1 cm.
White euhedral. Plagioclase
Biotite 2% weakly chloritized.

AMAX MINERALS EXPLORATION

TUZO CREEK PROPERTY

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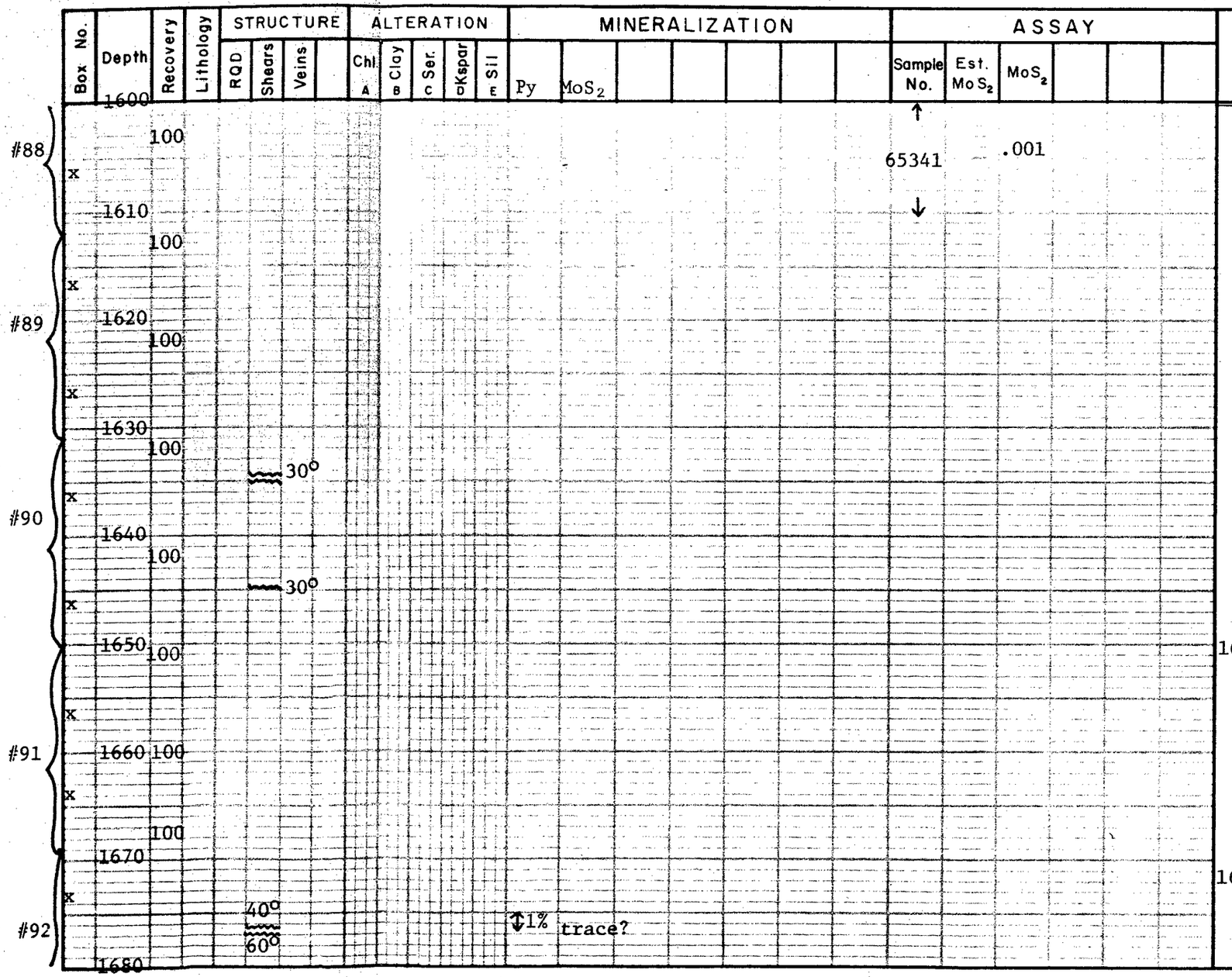


REMARKS

1650-1704 Pink Porphyritic Quartz Monzonite
As above 1650. Fresh and hydrothermally unaltered.
Chloritic fractures common frequently with hematite on slips.
Abundant green sericite hairline fractures here and there

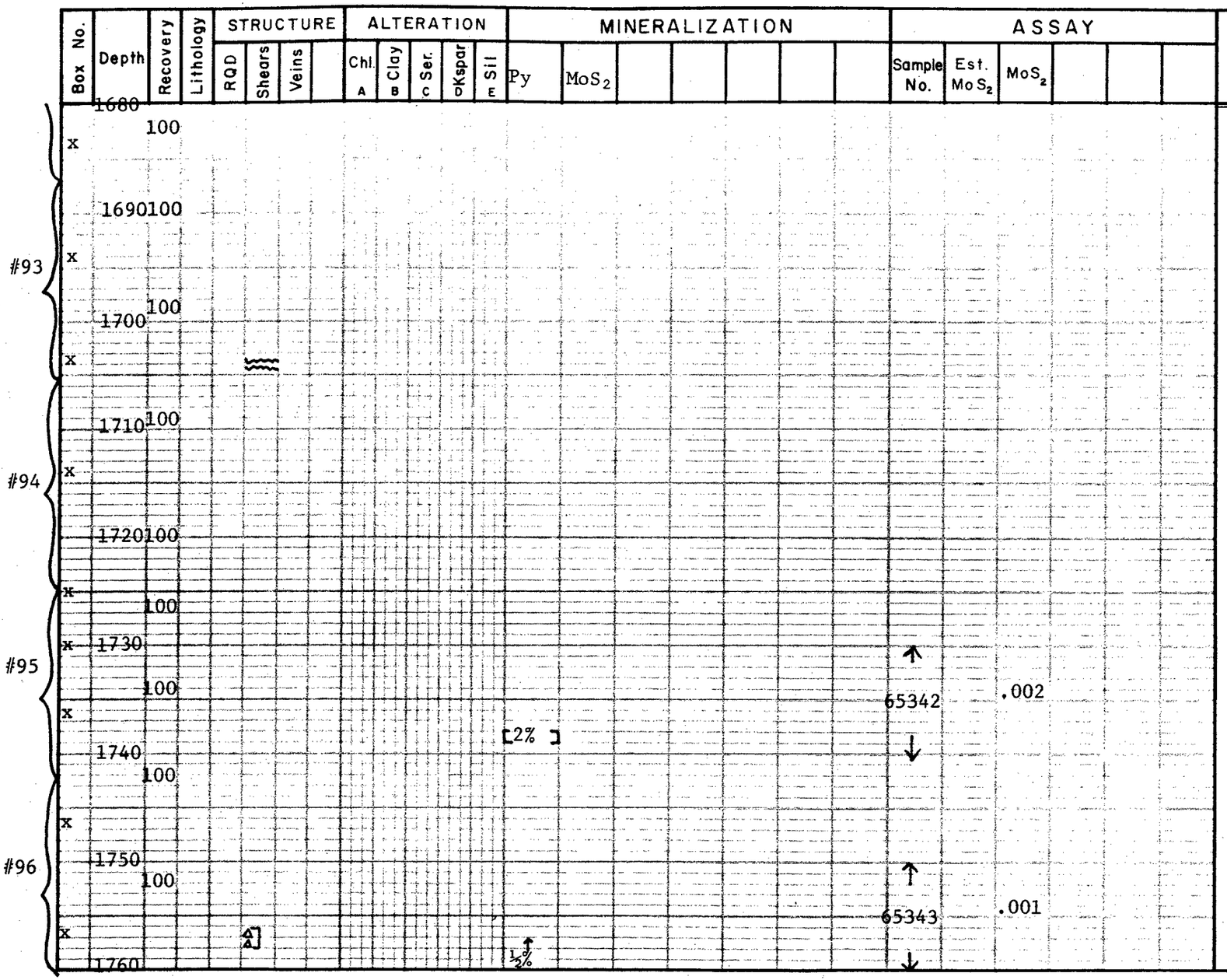
Mostly D.R.! (Dog rock)

1676-1677 Shear zone with 1% pyrite, green sericite, black graphite and hematite. White pegmatite 1677-1677.5 with sparse hematite and trace MoS_2

AMAX MINERALS EXPLORATION

TUZO CREEK PROPERTY

DDH 81-Mo-5
SHEET 22 OF 32



REMARKS

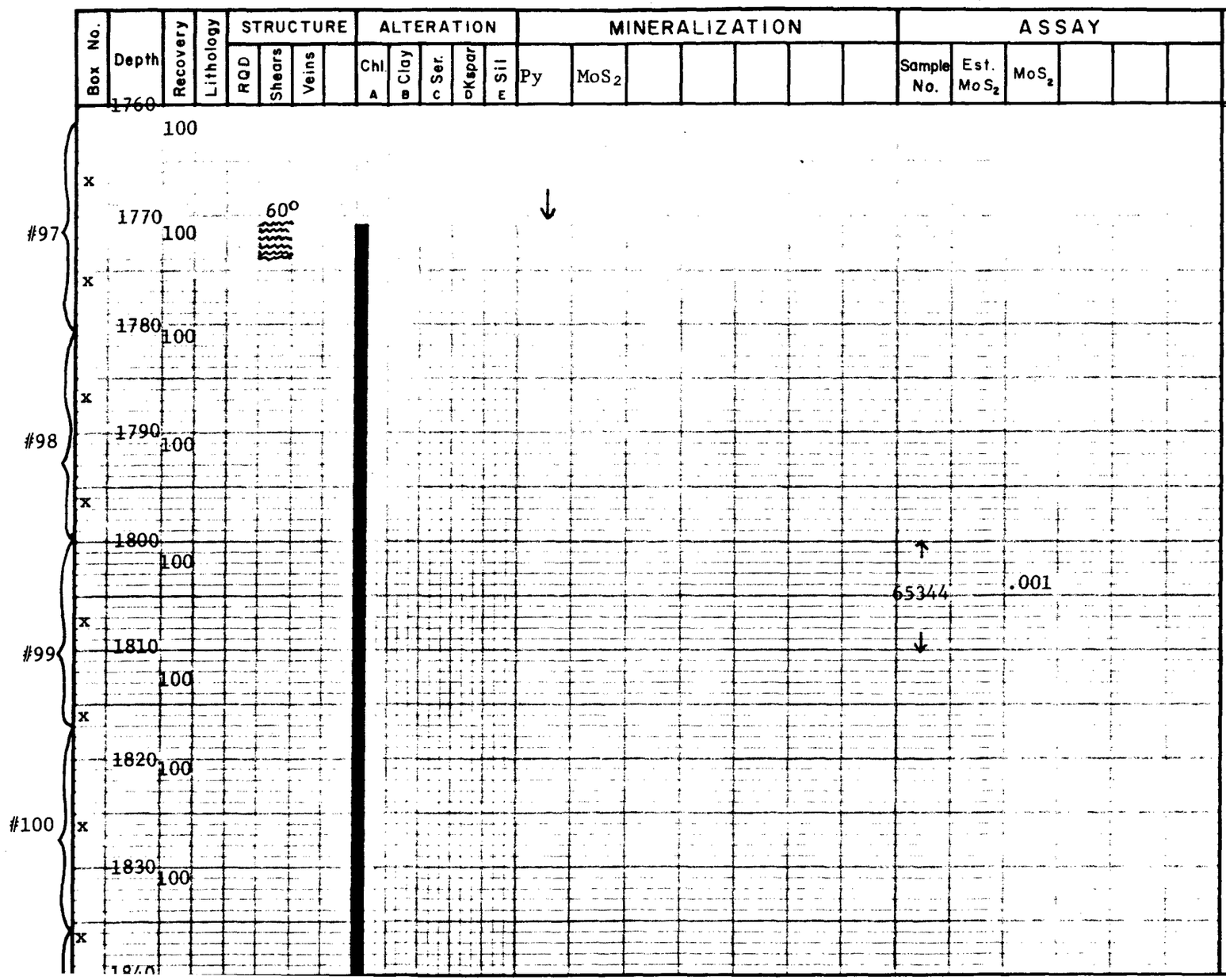
1704-1720 Brown Feldspar Quartz Porphyry
Lower contact somewhat gradational and highly fractured almost sheared.
Fluorite in chlorite seam 1719.
Dark brown matrix becoming gradually pink similar to quartz monzonite.

1720-1771 Pink Porphyritic Quartz Monzonite
As above 1704. Fresh unaltered.
Chlorite and hematite on fractures.
Pale green sericite-fracture become increasingly common toward 1770. Fracturing increases toward shear zone. 1757-1771.
Locally becomes crackle zone. Trace fluorite with narrow sericite fracture.
1738-79 Pyrite-sericite with dark hematite on slips.
Brecciation 1756-1657
Becomes pinker toward contact. Rolled quartz mylonitized.

AMAX MINERALS EXPLORATION

TUZO CREEK PROPERTY

DDH 81-Mo-5



REMARKS

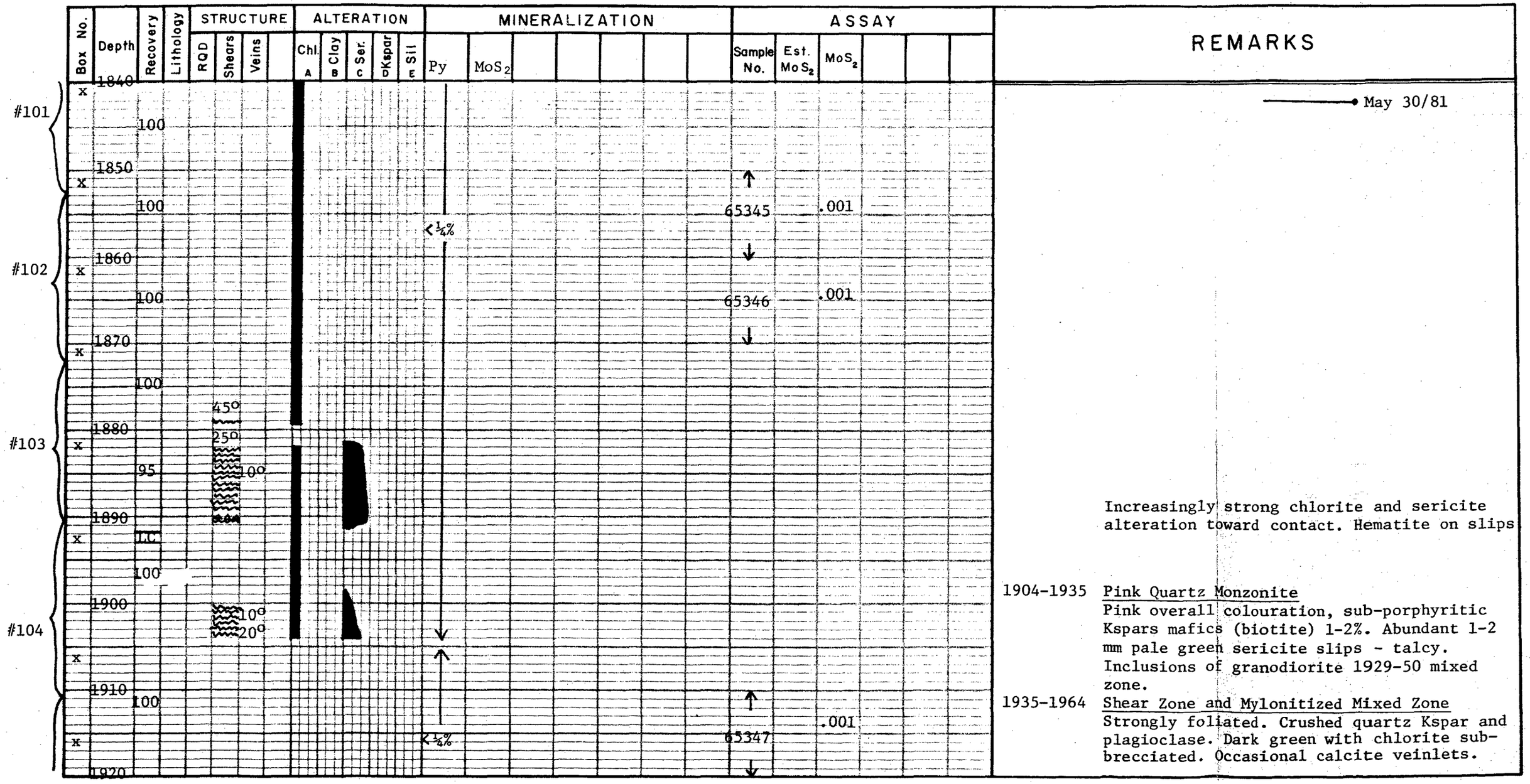
1771-1904 Altered Nelson Granodiorite?

1771-1773 Intense shear zone begins at 1771 gradually dies out at 1773.
Nelson: coarse grained granodiorite non-porphyritic.
→4-5% chloritized biotite and hornblende.
In places weak sericite alteration.
Quartz euhedral up to 7-8 mm.
Local pink injections.
Numerous sericite talcy fractures throughout.
Magnetite as clots and 2-3 mm black seams here and there.
1785-1797
1807-1810
1826-1828 hematite on slips, 1864-1865
1790-1791 crackled zone.
1818-1820 Pink porphyritic quartz monzonite injection 1802.5-1808
also 1847 6"
1848 6"
1879.5-1882

AMAX MINERALS EXPLORATION

TUZO CREEK PROPERTY

DDH 81-Mo-5
SHEET 24 OF 32



AMAX MINERALS EXPLORATION

TUZO CREEK PROPERTY

DDH 81-Mo-5
SHEET 25 OF 32

Box No.	Depth	Recovery	Lithology	STRUCTURE: RQD	Shears	Veins		ALTERATION: Chl. A	Clay B	Ser. C	Kspar D	Sil E	MINERALIZATION: Py	MoS_2						ASSAY: Sample No.	Est. MoS_2	MoS_2			
#105	1920	100											absent												
	x																								
	1930	100																							
#106	x																								
	1940	100											<½%												
	x																								
	1950	100																		65348	.001				
#107	x																								
	1960	100																							
	x																								
#108	1970	100																							
	x																								
	1980	100																							
	x																								
#109	1990	100			30°																				
	x				45°																				
	2000																								

REMARKS

1950-1960 Olive green. Talcy sericite approx. 40%-soft.

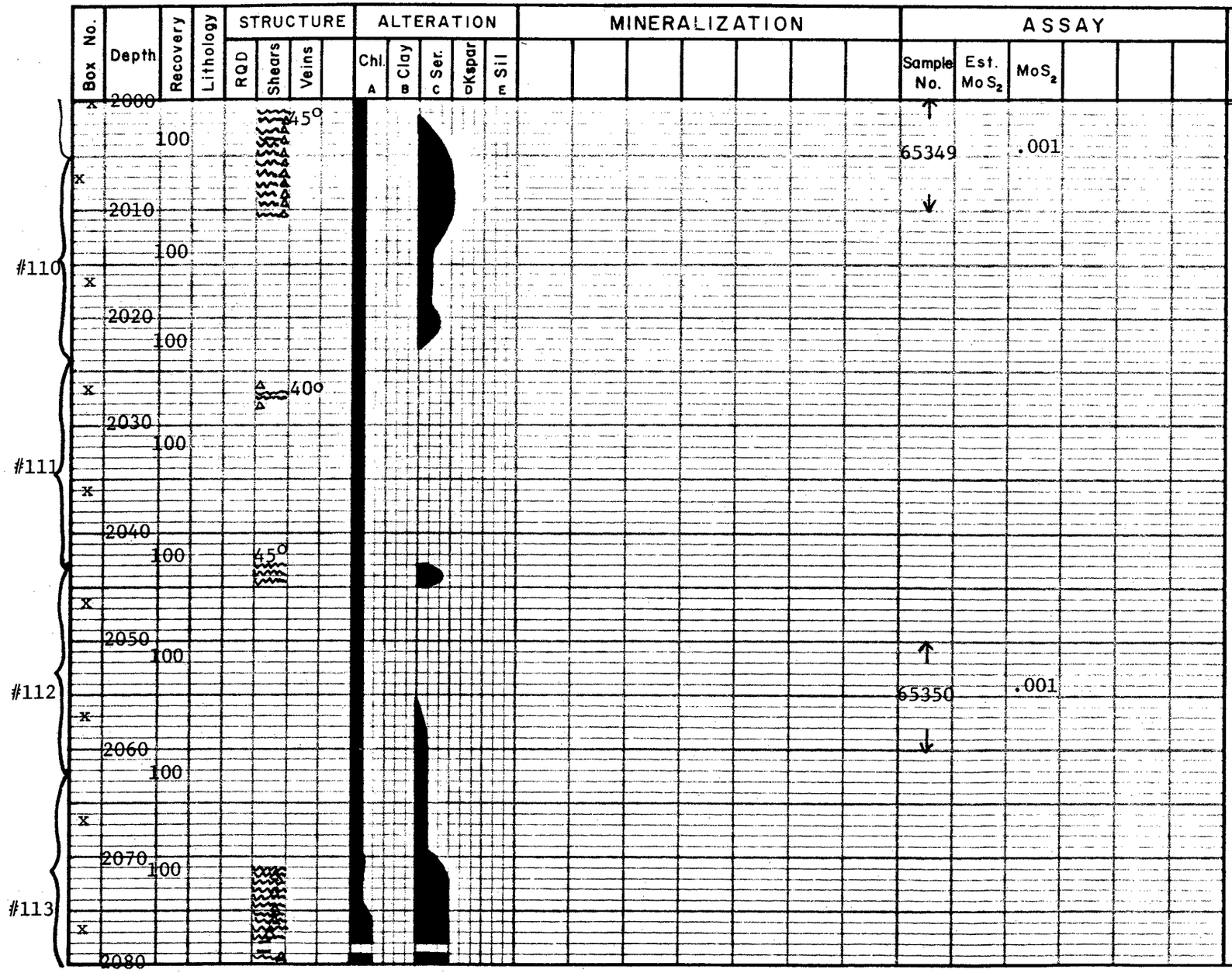
1965-1972 Fresh. Unaltered Gray Granodiorite
Pink quartz monzonite injection 10 cm at 1966.
Coarse grained granodiorite.

1972-2001 Pink Quartz Monzonite
Moderate crushed 1972-1980
Becomes less crushed with weak foliation 1980-1987 with inclusions of coarse grained gray granodiorite 1987-2000

AMAX MINERALS EXPLORATION

TUZO CREEK PROPERTY

DDH 81-Mo-5
SHEET 26 OF 32



REMARKS

2001-2011 **Mixed Shear Zone**
Strongly sheared and brecciated quartz monzonite
Sericite 50-60% 2003-2007, 2009-2011 olive green colour
Sub-porphyritic in places recognizable

2011-2071 **Mixed Mylonitized Quartz Monzonite**
Predominant pink quartz monzonite with numerous darker gray granodiorite inclusions.
Crushed quartz and feldspar.
Chloritized biotite and fracture fillings.
Sericite fractures common.

2071-2086 **Sheared Quartz Monzonite**
As 2001-2011. High sericite content and numerous sericite slips. Moderate chloritic

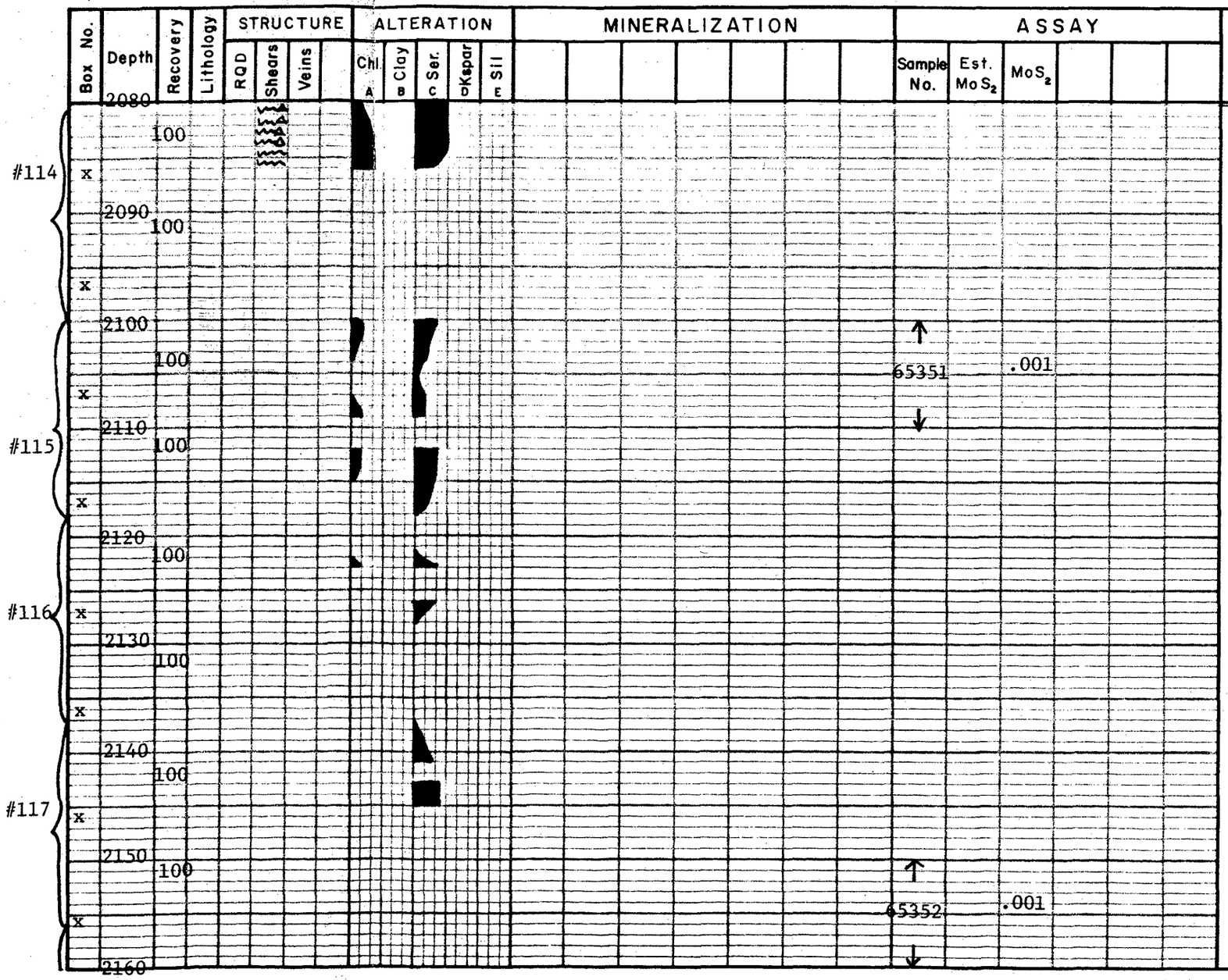
2078-2079 **Black Lamprophyre Dyke**
Red Hematite pseudomorphs after hornblende
Rare plagioclase. Common calcite veinlets.

AMAX MINERALS EXPLORATION

TUZO CREEK PROPERTY

DDH 81-Mo-5

SHEET 27 OF 32



REMARKS

2086-2100 Black Lamprophyre Dyke ——● June 1/81
As 2078-2079
Distinctly magnetic.
Lower contact irregular and sharp.

2100-2109 Pink Quartz Monzonite
Coarse grained sub-porphyritic with abundant sericite in slips, weak chloritization euhedral quartz up to 1 cm.

2109-2112 Black Lamprophyre Dyke
As 2078-2079

2112-2123 Pink Porphyritic Quartz Monzonite
As 2100-2109 but less altered.
Distinctly porphyritic Kspar

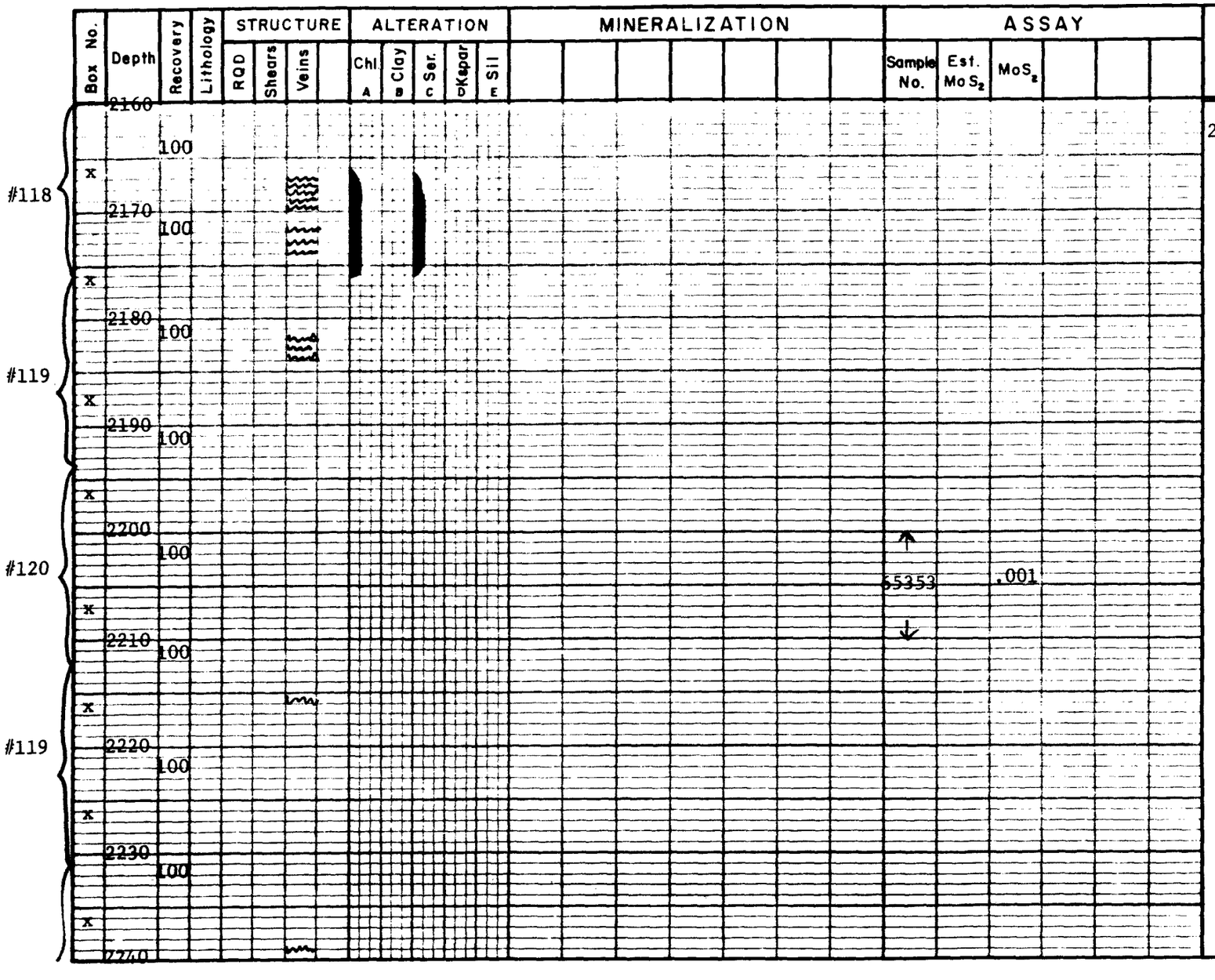
2123-2126 Black Lamprophyre Dyke
As 2078-2079
Both contacts sharp but irregular

2126-2160 Pink Porphyritic Quartz Monzonite
As 2112-2123. Kspar pink 2-3 cm; 2% biotite
Fresh with occasional sericite slips.
2141-2142 Black lamprophyre dyke
Sericite-chlorite on fractures as strong zone 267-276.

AMAX MINERALS EXPLORATION

TUZO CREEK PROPERTY

DDH 81-Mo-5
SHEET 28 OF 32



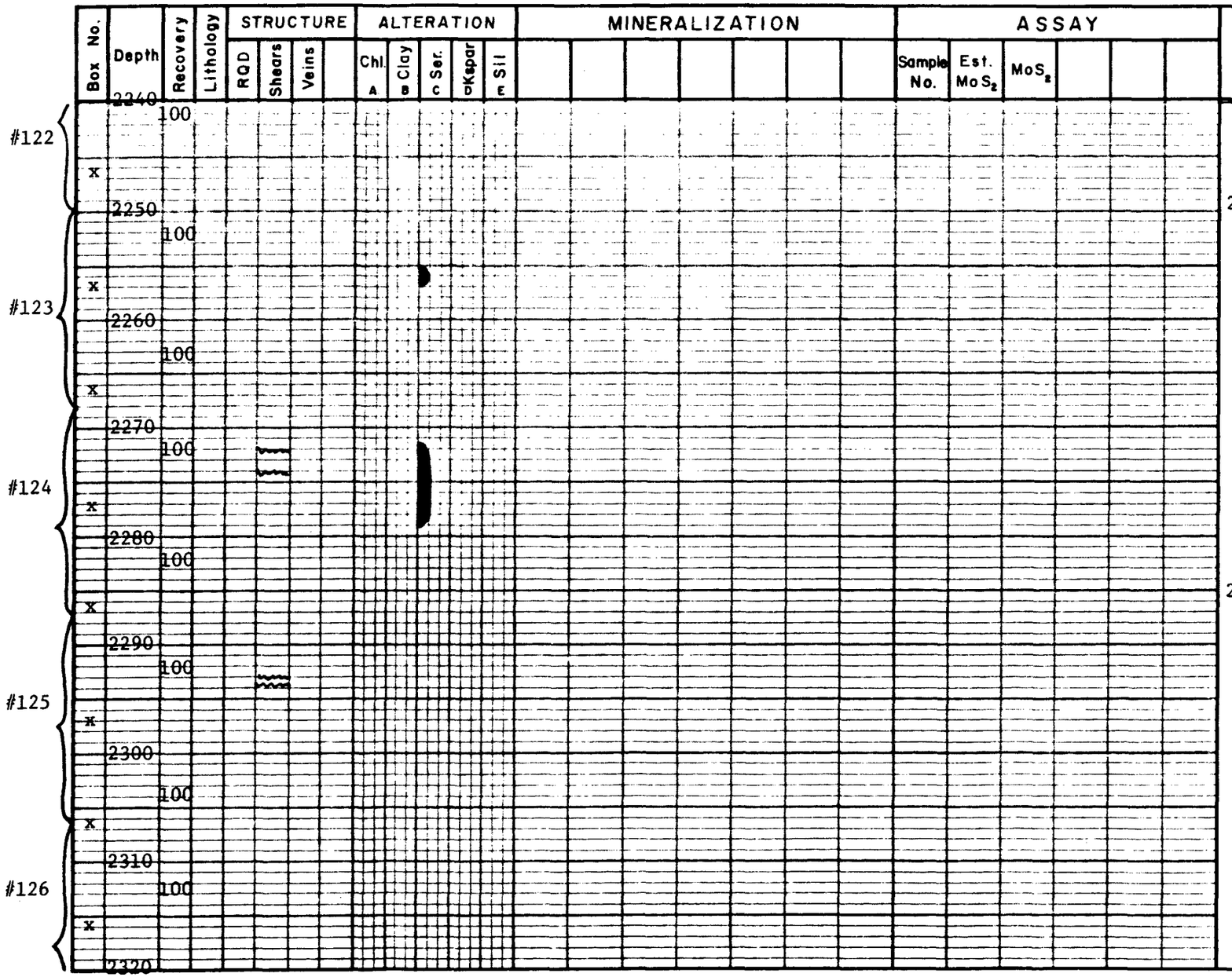
REMARKS

2160-2250 Fresh Pink Porphyritic Quartz Monzonite
Large up to 3 cm Kspars, euhedral smokey quartz .5 cm, 1-2% black biotite
Except in vicinity of shearing - rock is very fresh and unaltered.

AMAX MINERALS EXPLORATION

TUZO CREEK PROPERTY

DDH 81-Mo-5
SHEET 29 OF 32



REMARKS

2250-2299 Pink Porphyritic Quartz Monzonite — June 2/81
As before
Fresh unaltered

2272-2279 Sericite in fractures associated with weak shearing.

2293 6 inch pale green quartz porphyry dyke contact 50° core axis sheared.

2299-2346 Dark Orange Brown Syenitic Dyke
Correlate with Leary trachy-andesite?
Upper contact 50° core axis.
Calcite veinlets.
Narrow sections of 1-3 feet distinctly orange matrix alternate with black sections.
Zeolites common.
2324-2326 Pink porphyritic quartz monzonite inclusion

AMAX MINERALS EXPLORATION

TUZO CREEK PROPERTY

DDH 81-Mo-5
SHEET 30 OF 32

Box No.	Depth	Recovery	Lithology	STRUCTURE: RQD	Shears	Veins		ALTERATION: Chl. A	Clay B	Ser. C	Kspar D	Sil E	MINERALIZATION							ASSAY: Sample No.	Est. MoS_2	MoS_2			
	2320																								
		100																							
	x																								
#127	2330																								
		100																							
	x																								
	2340																								
		100																							
#128	x																								
	2350																								
		100																							
	x																								
	2360																								
		100																							
#129	x																								
	2370																								
		100																							
	x																								
	2380																								
		100																							
#130	x																								
	2390																								
		100																		65354	.001				
	x																								
	2400																								

REMARKS

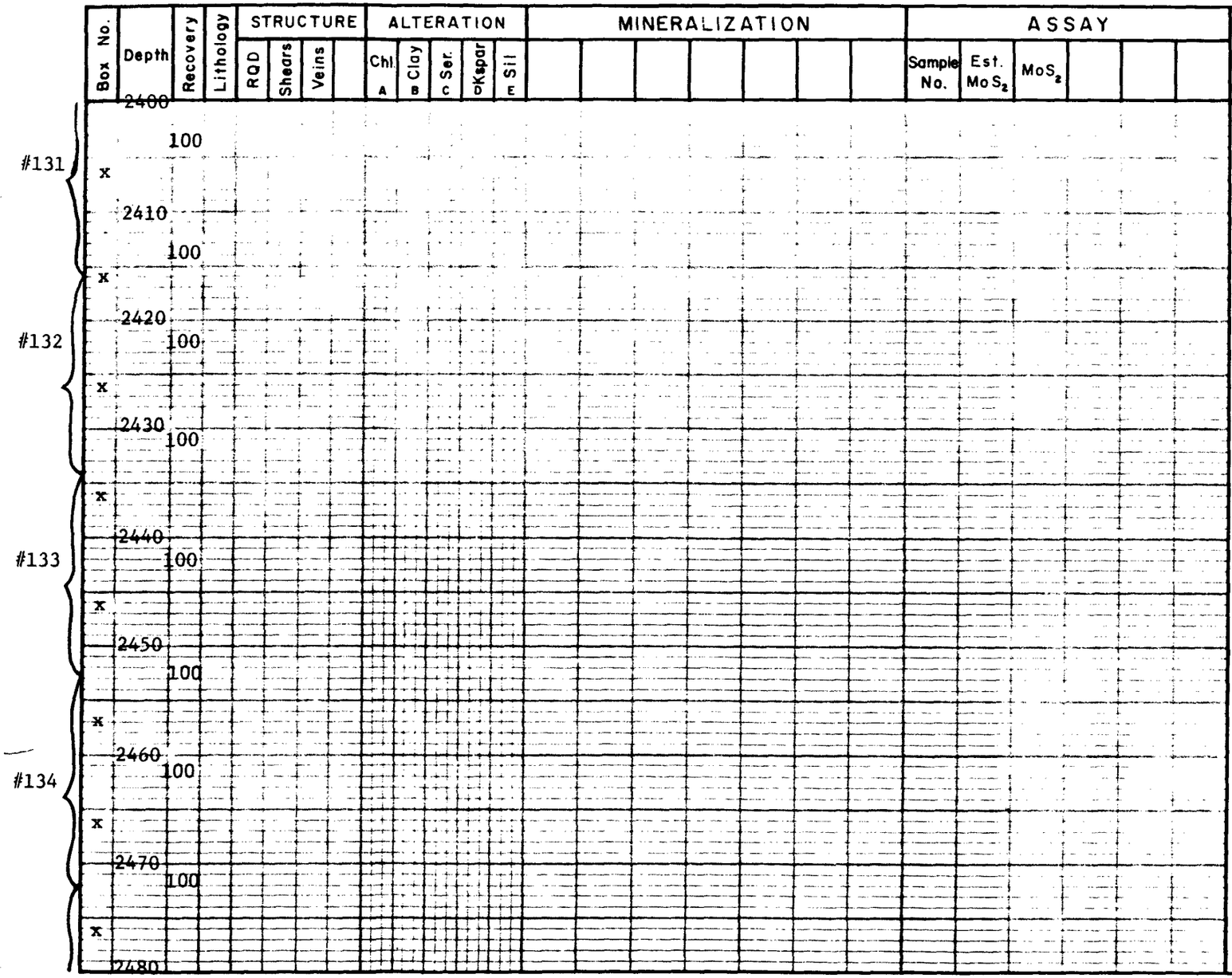
2346-2361 Pink Porphyritic Quartz Monzonite
As before

2361-2419 Pink Syenitic Dyke
Felsitic contact to 2370 and 2410 to 2419
2370-2410 Feldspar hornblende porphyry with aphanite pink orange matrix
2383-2387 numerous green sericite fracture

AMAX MINERALS EXPLORATION

TUZO CREEK PROPERTY

DDH 81-Mo-5
SHEET 31 OF 32



REMARKS

2419-2421 Pink Porphyritic Quartz Monzonite
As before

2421-2449 Orange Hornblende Kspar Porphyry (Coryell Syenite)
Phaneritic orange matrix.
Hematite slip occasionally present and lower contact.

2449-2507 Pink Porphyritic Quartz Monzonite
As before. Unaltered tombstone and dog rock

AMAX MINERALS EXPLORATION

TUZO CREEK PROPERTY

DDH 81-Mo-5
SHEET 32 OF 32

Box No.	Depth	Recovery	Lithology	STRUCTURE: RQD	Shears	Veins		ALTERATION: Chl. A	Clay	Ser.	Kspar	Sil	MINERALIZATION							ASSAY: Sample No.	Est. MoS_2	MoS_2				REMARKS
	2480																									
#135	x																									
	2490																			↑						
																				65355		.001				
#136	x																			↓						
	2500																									
	END OF HOLE	—																		—						2507 END OF HOLE

APPENDIX II

STATEMENT OF COSTS

Statement of Costs

Tuzo Creek Property

Summary of Work	Diamond Drilling 2,257 feet NQ
Period of Work	May 5 to June 10, 1981
Drilling	Connors Drilling, Box 3340, Kamloops, B.C. - Invoice #11211, #11165, #11139

= $85,322.55

To be applied to Mo-4-10, 15-21, 32 and 34 mineral claims $32,000 for 10 years.

APPENDIX III

STATEMENT OF QUALIFICATIONS

STATEMENT OF QUALIFICATIONS

NAME	S.G. Enns
ADDRESS	601-535 Thurlow Street Vancouver, B.C.
EDUCATION	4 year BSc (Honours Geology) 1967 University of Manitoba
	MSc (Ec. Geology) 1971 University of Manitoba

EXPERIENCE

Geol. Assistant	Manitoba Mines Branch	1964(field season)
Geol. Assistant	Sherritt Gordon Mines	1965 "
Geol. Assistant	AMAX Exploration	1966-1970 "
Staff Geologist	Cerro Mining of Can.	1971
Staff Geologist	Hudson's Bay Oil & Gas	1972
Staff Geologist	BP Minerals of Canada	1973-1975
Staff Geologist	BP Alaska Exploration	1975-1979
Staff Geologist	AMAX of Canada	1979-