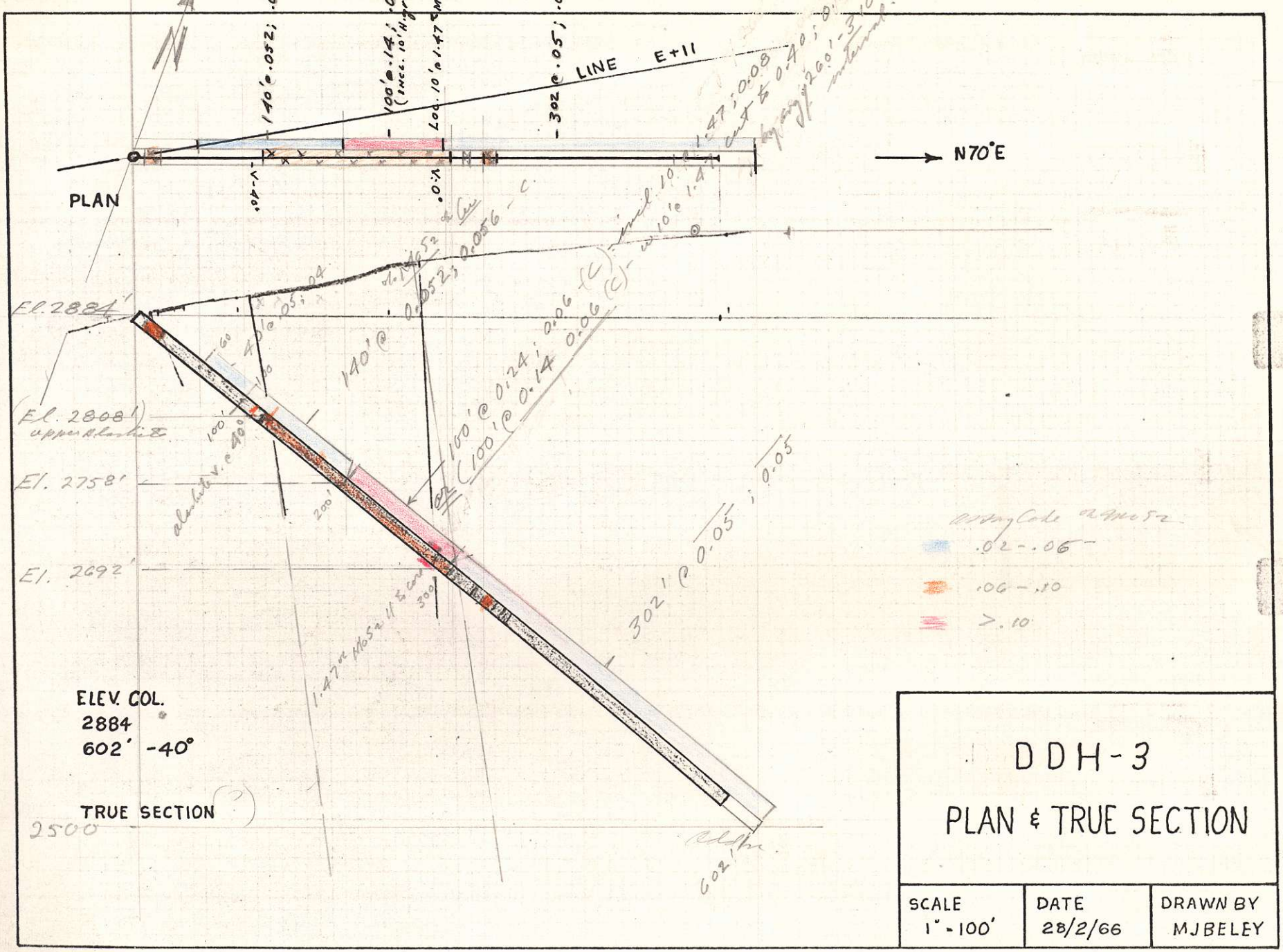
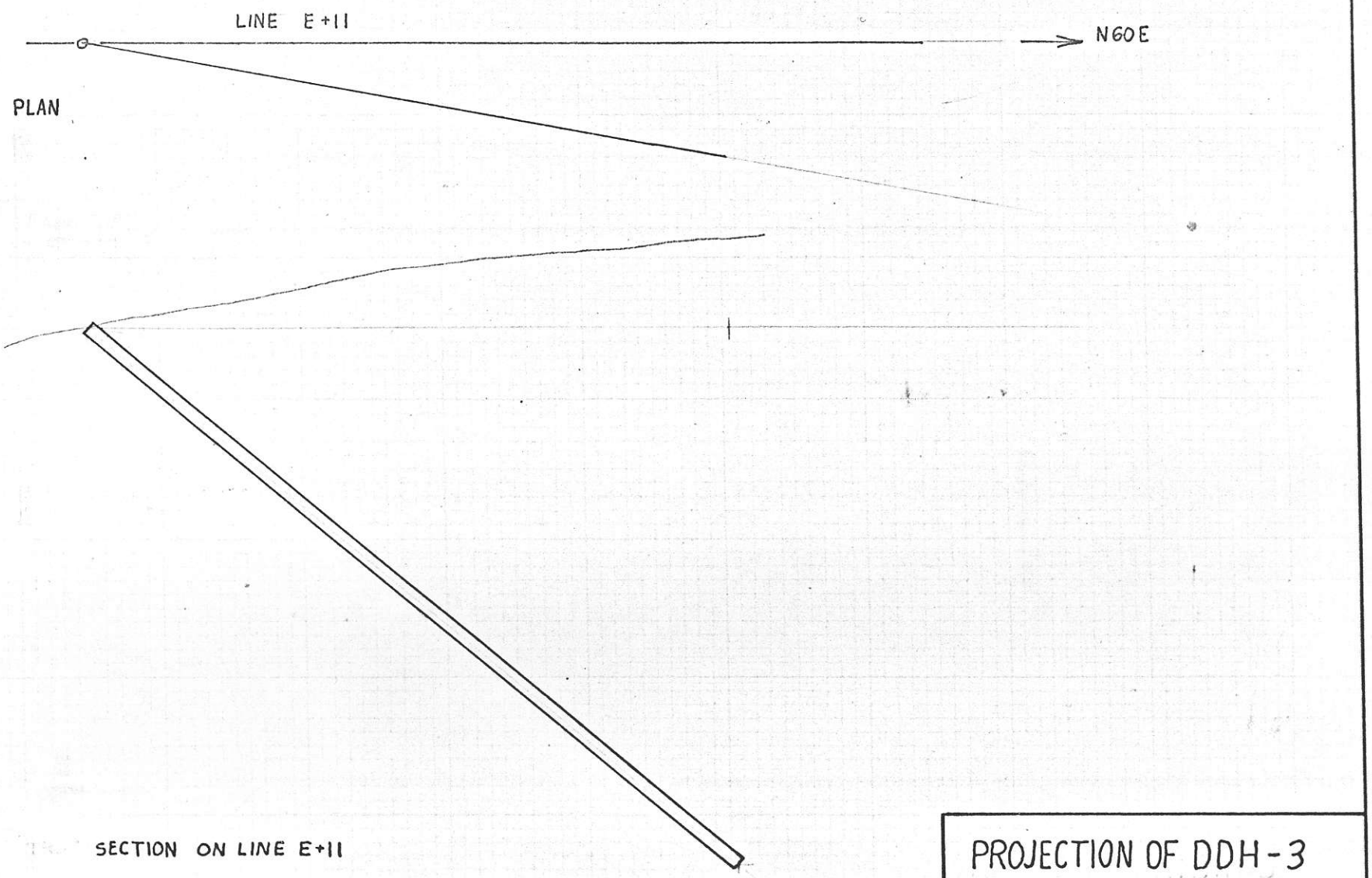


DDH-3

PLAN & TRUE SECTION

SCALE	DATE	DRAWN BY
1" = 100'	28/2/66	MJBELEY

800940



PROJECTION OF DDH-3 ON LINE E+11

SCALE	DATE	DRAWN BY
1" = 100'	28/2/66	MJ BELEY

orig + 1 print to M.D.

W.M. Sharp, P.Eng. COPY TO W.M SHARP.

Property HUBER Mo-Cu

Sheet No. 1/9

DIAMOND DRILL LOG

Loc. Collar 300W E+11

DDH No. 3

Elev. Collar 2834

Started 5:00 PM FEB19/66

Bearing N 70 E

Completed 7:00 PM FEB 26/66

Inclin. -40°

End/~~Date~~ 602'

Feet	Core Recov.	Description of Core	SAMPLING No.	Ft.	Cor Sl.		% MoS_2	% Cu	
0-11'	11'	CASING	3737	11-26.5	C		.02	.08	
11-26.5'	~9.0	alaskite - yellow + brown.	38	-40	C		.03	.08	
		coarse grained w. diss py.	39	-50	C		.03	.05	
		MoS_2 occurs in g-v's; g-v's to	40	-60	C		.03	.08	
		1/2" ; very bkn 22'-26.5'	41	-70	C		.04	.08	
		Note fair dissem. moly-cpy w.	42	-80	C		.04	.07	
		fine (cubic) py.	43	-90	C		.04	.04	
26.5'-36'	~7.5	Hornfels - blue grey considerable	44	-100	C		.06	.10	100
		sil^n g-v's hairline - 3/4"; fract	45	-110	C		.04	.03	
		Sp. 4"-8" ∠15°-80°, Py/Pyrrho	46	-120	C		.06	.08	
		(minor)/ MoS_2 ; 35.7' 1½" alask. vein	47	-130	C		.06	.08	
		minor MoS_2 - finer grained than above	48	-140	C		.05	.08	
			49	-150	C		.08	.08	
			50	-160	C		.04	.04	
36-47.5'	9.4	Hornfels - greyish 36.3'-38.5'	51	-170	C		.03	.04	
		Zone of Alaskite intensly altered w.	52	-180	C		.05	.05	
		some oxidation Py/minor MoS_2/;	53	-190	C		.03	.03	
		38.5' contact w. altered hornfels.	54	-200	C		.09	.05	200
		Argillic odour, some calcite &	55	-210	C		.06	.04	
		considerable Sil^n, massive diss Py.	56	-220	C		.06	.04	
		MoS_2 g-v's; g-v's Sp. ~10"-14" mod	57	-230	C		.13	.07	
		MoS_2 in some veins - Decrease in	58	-240	C		.10	.04	
		massive Py from 42'-47.5'	59	-250	C		.03	.04	
		@47.5' g-v parallel to core for 4"	60	-260	C		.11	.05	
		w. pyrrho..	61	-270	C		.27	.08	
			62	-280	C		.10	.07	
47.5'-79.5'	31.0	Hornfels - brownish - grey -	63	-290	C		1.47	.08	
		greenish Sil^n along g-v's	64	-300	C		.10	.04	300
		w. minor (chloritic) alt^n in stockworks	65	-310	C		.05	.05	

Remarks: Core contains numerous hairline fract. w. calcite.

Drilled by: Longyear.

Logged by: [signature]

W.M. Sharp, P.Eng.

Property HUBER

Sheet No. 2/9

DIAMOND DRILL LOG

Loc. Collar

DDH No. 3

Elev. Collar

Started

Bearing

Completed

Inclin.

End/Date

Feet	Core Recov.	Description of Core	SAMPLING No.	Ft.	Cor Sl.		% MoS_2	% Cu	
		fract. Sp. 4"-6", ∠ ~15°-90° Gen.	3766	310 -320	C		.04	.04	
		55°. g-v's hairline - 2" Some fract	67	-330	C		.02	.08	
		w. calcite gen. 1/4" or less; 50'-51'	68	-340	C		.02	.03	
		Pyrrho/Py/ w. calcite giving	69	-350	C		.04	.04	
		banded appearance, 53.5 Py/	70	-360	C		.05	.04	
		MoS_2 w. calcite adj. to g-v's;	71	-370	C		.09	.04	
		47.5'-79.5' Py/Pyrrho/ minor	72	-380	C		.09	.08	
		MoS_2/ Cu?/ slight increase	73	-390	C		.06	.04	
		in amt. of MoS_2 in g-v's, 75'-79.5'	74	-400	C		.03	.04	400
			75	-410	C		.02	.04	
			3826	-420	C		.06	.05	
79.5'-95.5	14.8	Hornfels - Greyish - cherty	27	-430	C		.06	.05	
		Texture to 82'. Sil^{n} predominant	28	-440	C		.06	.03	
		alt^{n} - Calcite occurs in hairline	29	-450	C		.05	.05	
		fract.; fract Sp. 4"-6" ∠ 25°-80°	30	-460	C		.10	.05	
		Avg - 35°-45°; g-v's 1/8-3".	31	-470	C		.04	.04	
		mod. MoS_2 w. Py in some g-v's.	32	-480	C		.05	.04	
		Small breccia zone 89' bkn rK.	33	-490	C		.04	.07	
		calcite matrix.	34	-500	C		.07	.07	500
			35	-510	C		.08	.04	
			36	-520	C		.05	.04	
95.5-127.5	31.7	Hornfels - dark green - brownish	37	-530	C		.05	.05	
		minor sil^{n} adj. to g-v's w.	38	-540	C		.13	.05	
rel. dry 97'-106'		minor (chloritic) alt^{n}; fract Sp.	39	-550	C		.02	.04	
		3"-5" ∠ = 20°-90° Avg - 30°-60°	40	-560	C		.07	.04	
		g-v's 1/16-2" Py/Pyrrho/MoS_2/chpy	41	-570	C		.03	.04	
		110.5'-111' alask. vein ∠ 40° (contacts)	42	-580	C		.04	.04	
		g-v's cut alaskite & hornfels -	43	-590	C		.04	.03	
		inclusions of hornfels in alaskite.	44	-602	C		.01	.04	602

— Complete Cores —

Remarks: g-v's @ 98' cut by calcite-filled fract. offset (g-v.) 1/4". example of calcite min^{n} as late phase in geol. sequence

Drilled by: Longyear.

Logged by: [signature]

W.M. Sharp, P.Eng.

Property HUBER

Sheet No. 3/9

DIAMOND DRILL LOG

Loc. Collar

DDH No. 3

Elev. Collar

Started

Bearing

Completed

Inclin.

End/Date

Feet	Core Recov.	Description of Core	SAMPLING No.	Ft.	Cor Sl.		% MoS2	% Cu
		Min^z in alaskite Pyrrho/Py/MoS2/chpy	3713	15-20	SL.		.02	.10
		diss. ; Pyrrho increasing 117	14	-30	SL		.02	.15
		on ; alaskite veins @ 125.5'	15	-40	SL.		.02	.08
		& 123.5' & 126.5'	16	-50	SL.		.02	.07
			17	-60	SL		.02	.05
			18	-70	SL.		.04	.05
127.5-132	4.5	Alaskite – ~40° contact – q-v	19	-80	SL.		.02	.08
		Sp. 4"-6" Pyrrho/Py/MoS2	20	-90	SL.		.02	.04
		(mod)/chpy – greyish colour	21	-100	SL		.02	.08
			22	-110	SL		.02	.05
132-137.7	5.7	Hornfels – dark brown – minor alt^n	23	-120	SL.		.02	.07
		except sil^n adj. to q-v's. fract sp	24	-130	SL.		.02	.07
		3-5" ∠ 15°-90° Gen. 45°; q-v's	25	-140	SL.		.04	.08
		hairline – 1/3" Py/Pyrrho/MoS2/chpy	3776	-150	SL		.02	.03
		sp.	77	-160	SL		.03	.04
137.7-150	12.0	Alaskite – low in mafics, calcite	78	-170	SL		.02	.04
		present surrounding altered feldspar	79	-180	SL.		.02	.04
		phenocrysts – kaolin? ; q-v's 4"-6"	80	-190	SL.		.02	.04
		∠ = 30°-60° Py/Pyrrho/MoS2 (loc.	81	-200	SL.		.07	.04
		good sections)/chpy? – gen. sp.	82	-210	SL		.02	.04
			83	-220	SL		.04	.04
			84	-230	SL		.05	.05
150-169	18.5	Alaskite – bkn & sheared 150' –	85	-240	SL.		.04	.09
Note gen. absence		152' & from 153-155 – Plane of	86	-250	SL.		.05	.04
of fine qz-		shear parallel to core axis – slicken-	87	-260	SL.		.03	.04
v'lts (w/ MoS2)		sides 55° to core ; q-v's sp. 6"-8"	88	-270	SL.		.08	.05
		1/8-1" wide. Kaolinization pres.	89	-280	SL.		.04	.05
		w. calcite (minor).						
		Py/Pyrrho/MoS2/chpy. (gen. sp.)						

Remarks:

Drilled by: Longyear

Logged by: [signature]

W.M. Sharp, P.Eng.

Property HUBER

Sheet No. 4/9

DIAMOND DRILL LOG

Loc. Collar

DDH No. 3

Elev. Collar

Started

Bearing

Completed

Inclin.

End/Date

Feet	Core Recov.	Description of Core	SAMPLING No.	Ft.	Cor Sl.		% MoS_2	% Cu
169-192.4	23.2	Alaskite — as above g-v. Sp.	3790	280 -286	SC.		.55	.07
		4"-6" — ⅛-¼" wide Pyrrho/	91	-290	SC		.47	.04
		Py/ MoS_2 /chpy (?) — Min ⁿᵍ	92	-300	SC		.07	.05
		occurs in g-v's & Mod. MoS_2	93	-310	SC.		.05	.07
		g-v's 170° & 190'	94	-320	SC.		.04	.04
			95	-330	SC.		.06	.07
			96	-340	SC.		.02	.04
192.4-232	39.6	Alaskite — as above — MoS_2 ; loc.	97	-350	SC.		.04	.04
		mod-good sections — Alk. light	98	-360	SC.		.04	.07
		grey — g-v's 4"-6" — ⅛"-3" wide	99	-370	SC		.05	.04
good 50° 210'		Py/Pyrrho/ scant MoS_2 /chpy/. Min ⁿ	3800	-380	SC		.06	.03
		ass w. gt2-v's w. min on diss	01	-390	SC.		.06	.07
		in alask te. — 4 etg-v's	02	-400	SC.		.04	.07
		25-90° w. few low-angle	03	-410	SC		.02	.04
			04	-420	SC.		.04	.04
			05	-430	SC		.03	.05
232-252	19.8	Alaskite - Grey-greenish	06	-440	SC		.11	.04
		Zones of pink feldspars - Kaolin ⁿ	07	-450	SC		.04	.07
		has decreased towards 252'	08	-460	SC		.06	.04
		g-v's ⅛-1½", Sp. ~4"	09	-470	SC		.03	.03
		Pyrrho/Py/ MoS_2 / chpy. Min ⁿ	10	-480	SC		.04	.03
		occurring in g-v's but freq	11	-490	SC.		.02	.03
		increasing	12	-500	SC		.05	.04
			13	-510	SC.		.06	.04
252-262	10.0	Alaskite — as above — g-v's	14	-520	SC		.03	.04
		¼-2½" wide freq — 2"	15	-530	SC.		.04	.03
		40-90° w. more low-angle	16	-540	SC.		.05	.03
		Mod. good MoS_2 in sects.	17	-550	SC.		.04	.04
		Pyrrho/ Py/ MoS_2 /chpy.	18	-560	SC.		.08	.03

Remarks:

Drilled by: Longyear

Logged by: JMB

W.M. Sharp, P.Eng.

Property HUBER

Sheet No. 5/9

DIAMOND DRILL LOG

Loc. Collar

DDH No. 3

Elev. Collar

Started

Bearing

Completed

Inclin.

End/Date

Feet	Core Recov.	Description of Core	SAMPLING No.	Ft.	Cor Sl.		% MoS_2	% Cu
262-290'	27.3	Alaskite — Kaolinized & feld.	3819	560-570	SL.		.04	.03
		more prominent than previous sect	20	-580	SL.		.04	.03
		g-v's 1/8" → 8"-10" Gen 1/4", Sp 1"-3"	21	-590	SL		.04	.03
		Py/Pyrrho/MoS_2/chpy; Massive	22	-602	SL		.04	.03
		MoS_2 in g-v 297.4-293' ∠~15°,	COMPLETES SAMPLES.					
		most g-v's this section 30°-90°						
→		282-288 fract. parallel to core						
		massive MoS_2 w gtz						
		288-290 intensely bleached						
		& altered w porous appearance						
		calcite present 290						
290-304	13.5	Alaskite — Previous alt'n cont.						
		to 294 g-v's 0-90° Gen. 20°-45°						
		Py/Pyrrho/MoS_2 (fair.)/chpy in g-v's						
		and fract — mod. MoS_2 304						
		contact w. hornfels ∠ 30° to core —						
		very distinct w. gtz-v cutting thru						
		contact.						
304-320	16.0	Hornfels - greenish-brown.						
		Core mottled app. due to Sil'n &						
		chlor. alt'n adj. to g-v's & in						
		Stockworks. g-v's hairline — 2"						
		fract. Sp 4"-6" ∠ 15°-80°						
		Gen 25° Py/Pyrrho/MoS_2 Sp.						
		310-312 breccia zone blue-grey						

Remarks:

Drilled by: Longyear

Logged by:

W.M. Sharp, P.Eng.

Property HUBER

Sheet No. 6/9

DIAMOND DRILL LOG

Loc. Collar

DDH No. 3

Elev. Collar

Started

Bearing

Completed

Inclin.

End/Date

Feet	Core Recov.	Description of Core	SAMPLING No.	Ft.	Cor SI.			
		colour - ang. frag. in siliceous gdmass						
320-334.5	13.3	Hornfels w. alaskite veining grey-brownish hnfls fract. Sp. 2"-4" ∠ 10°-90° Gen 20°-30° q-v's hairline - 5" Avg - 1/8"-1/4" Py/Pyrrho/MoS2. alask. 320.5' faulted off w. calcite on movement plane. 322' Alask.						
334.5-342.2	8.7	alaskite - greenish - q-v's 4"-6" Sp. Gen. 1/4" wide ∠ = 10° Py/Pyrrho/ sp. MoS2 in qtz-v's. lower contact ∠ 60°						
342.2'-375'	33.8	Hornfels - chloritic alt^n & sil^n fract Sp 2"-4" q-v's - 1/4" 343.7 Alaskite - as above. contact ∠ 35° lower cont. ∠ 15°; 345.7 end alask. Good MoS2 in q-v's. 345.7-351.8 - Hornfels brown-green chlor alt^n & sil^n adj. to qtz-v's. Py/Pyrrho/MoS2 351.8-353 alaskite. Py/Pyrrho/ MoS2 in fract. & q-v's. lower contact 40° 353-355.5 Hornfels 355.5-359.5 Alaskite Pyrrho/Py/MoS2						

Remarks:

Drilled by: Longyear

Logged by: MJB

W.M. Sharp, P.Eng.

Property HUBER

Sheet No. 7/9

DIAMOND DRILL LOG

Loc. Collar

DDH No. 3

Elev. Collar

Started

Bearing

Completed

Inclin.

End/Date

Feet	Core Recov.	Description of Core	SAMPLING No.	Ft.	Cor Sl.			
		359.5 - 363 - Hornfels						
		363 - 365 Alaskite good MoS_2 diss in silicified sect						
		365 - 366 Hornfels.						
		366 - 371 Alaskite						
		371 - 374.5 Hornfels						
		374.5 - 375 Alaskite						
375 - 394.5	19.0	Hornfels - greenish brown chloritic qtz ± sil ± adj to g-v's. fract sp. 1"-2" ∠ 15°-90° Gen ≈ 30° g-v's hairline - 4" Gen. ¼"; 387 - 387.9 dark vein Pyrrho/Py/MoS_2/ca. - diss MoS_2 Fracture - Pyrrho/Py/MoS_2/ca(minor)						
394.5-405	10.4	Hornfels - grey-brown 394.5 - 400 speckled section w. qtz 'eyes' up to ½" dia fract sp 4"-6" ∠ 20°-60° g-v's ⅛-¼" Py/Pyrrho/minor MoS_2/chalcopy 400-405 - bkn section 400' & 401' sil ± cherty texture fract 4"-6" ∠ 25-50° g-v's 1/16 - ½" Pyrrho/Py/minor MoS_2						

Remarks: * Min ± in section of Alaskite veining appears ass. w. g-v's and silicified zones. Diss. min ± occurs only in silicified sections. This section of core appears to have been broken & faulted at one time.

Drilled by:

Logged by: MSB.

W.M. Sharp, P.Eng.

Property HUBER

Sheet No. 8/9

DIAMOND DRILL LOG

Loc. Collar

DDH No. 3

Elev. Collar

Started

Bearing

Completed

Inclin.

End/Date

Feet	Core Recov.	Description of Core	SAMPLING No.	Ft.	Cor Sl.			
405-445.5	39.5	Hornfels. brownish-greenish alt^{n} minor except s.i.^{w} & chloritic alt^{n} adj. to g-v's Fract Sp. 2"-4" ∠ 25°-90° Gen~30° g-v's hairline-2" Pyrrhot/Py/ MoS_2 - Aplaskite vein 411.5-433' Py/Pyrrho/MoS_2 dis. Mod MoS_2 330'						
445.5-467.4	21.9	Hornfels - greenish brown s.i.^{w} & chloritic alt^{n} adj. to g-v's and in stockworks. fract Sp 2"-4" ∠ 15°-90° Gen. 25°-35° g-v's hairline-2" Min^{w} - Pyrrho/Py/MoS_2; Stockwork 453'-455'; Calcite veins up to 1" wide occur 448' & 463.5'						
	Gen.	Only few g-v's w. MoS_2						
467.4-522.0	52.0	Hornfels - mottled greens & brown green. Considerable alt^{n} - chloritic & s.i.^{w} adj. to gtz-v's and in stockworks. fract. Sp. 2"-4" ∠ 15°-90° Gen 25°-45° g-v's hairline-2½" Ave. 1/8-1/4" Py/Pyrrho/MoS_2/chpy Sp.						

Remarks:

Drilled by: Longyear

Logged by: WMS

W.M. Sharp, P.Eng.

Property HUBER

Sheet No. 9/9

DIAMOND DRILL LOG

Loc. Collar

DDH No. 3

Elev. Collar

Started

Bearing

Completed

Inclin.

End/Date

Feet	Core Recov	Description of Core	SAMPLING No.	Ft.	Cor Sl.		% MoS_2	% Cu
522'-537'	13.0	Hornfels - Grey-brown bkn section 522'-525' Gauge material 522 calcite in matrix chlorite on shear planes. : fract. sp. 1"-3" ∠ 20°-90° Gen 20°-40° g-v's hairline - ½", Py/Pyrrho/ MoS_2/chpy breccia zone 536 - calcite matrix Pyrrho/sp. MoS_2.						
537-602	63.4	Hornfels - Greenish-brown chloritic alt^n in stockwork & adj. to g-v's sil^n fract. sp. 1"-3" ∠ 0-90° Gen. 20°-45° g-v's hairline - 2" Pyrrho/Py/MoS_2 sp. Chpy. 593.5' qtz vein 2" wide Py/Pyrrho/MoS_2.						
			SUMMARY	DDH #3.				
			11' -	100'	c		.04	.07
		% Recovery 94.2%	100 -	200	c		.053	.056
		includes h.gr. qz - MoS_2 vlt. →	200 -	300	c		0.24	0.06
		@ 280' - 290'.	300 -	400	c		.05	.05
		.05^n ; 0.05^u	400 -	500	c		.045	.05
			500 -	602	c		.05	.04
		← w out of 10' h.gr. Z	200' -	300'	c		[illegible]	

Remarks:

Drilled by: Longyear

Logged by: [signature]