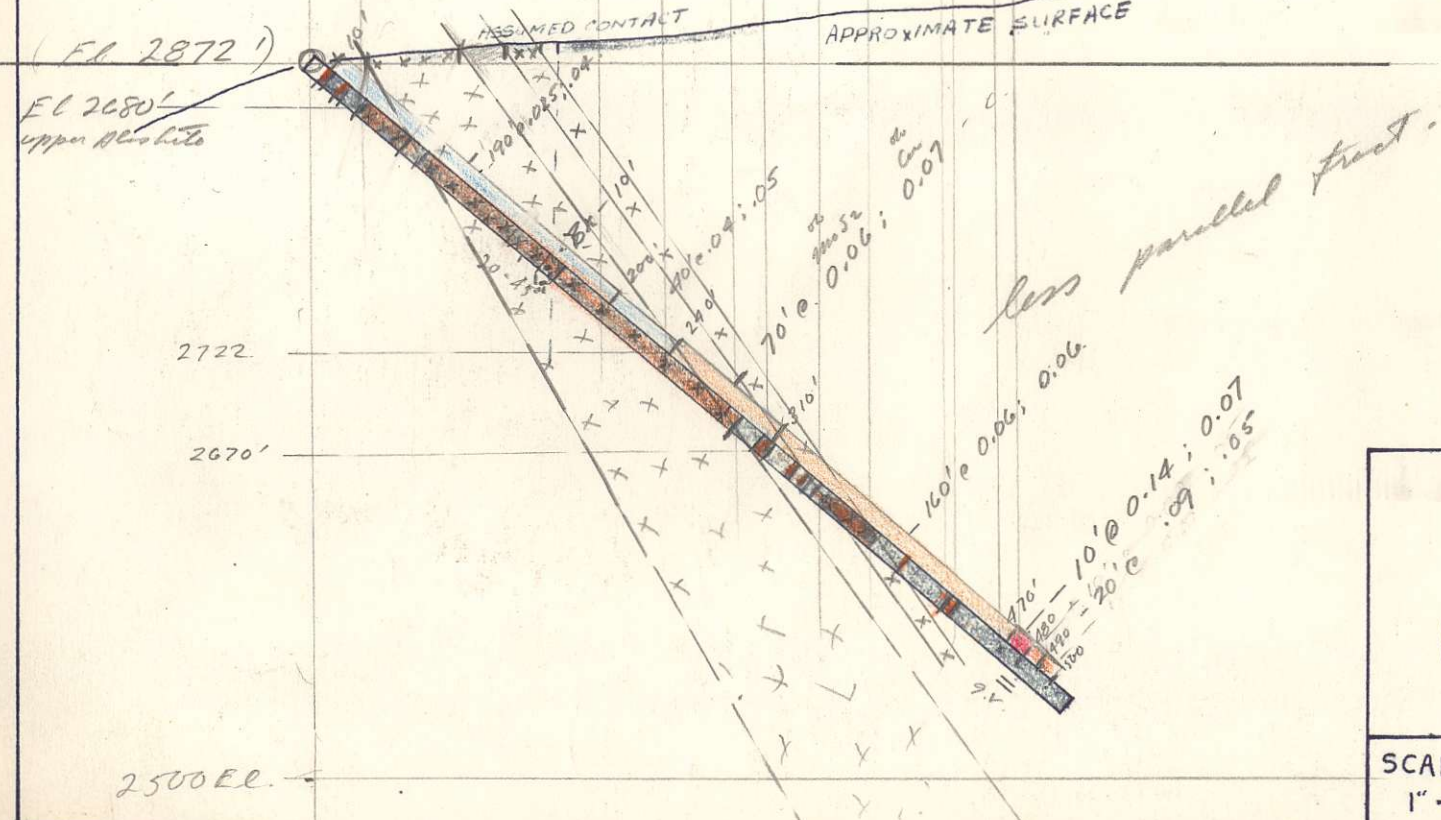


ELEV. COL. 2872
517' -40°



Core Code

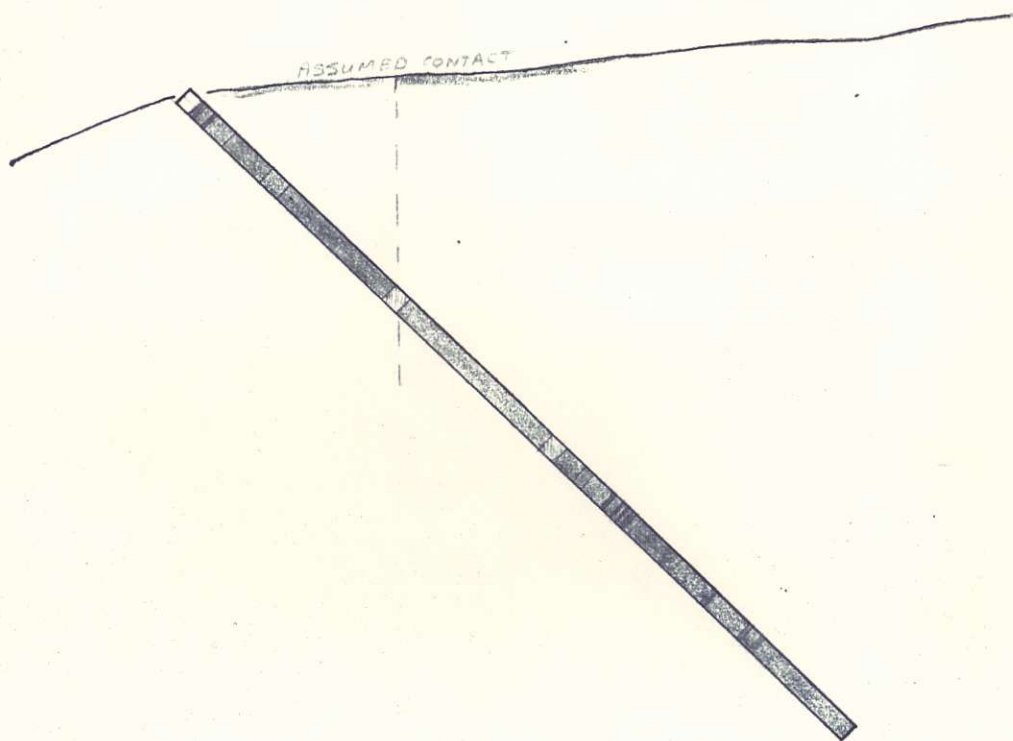
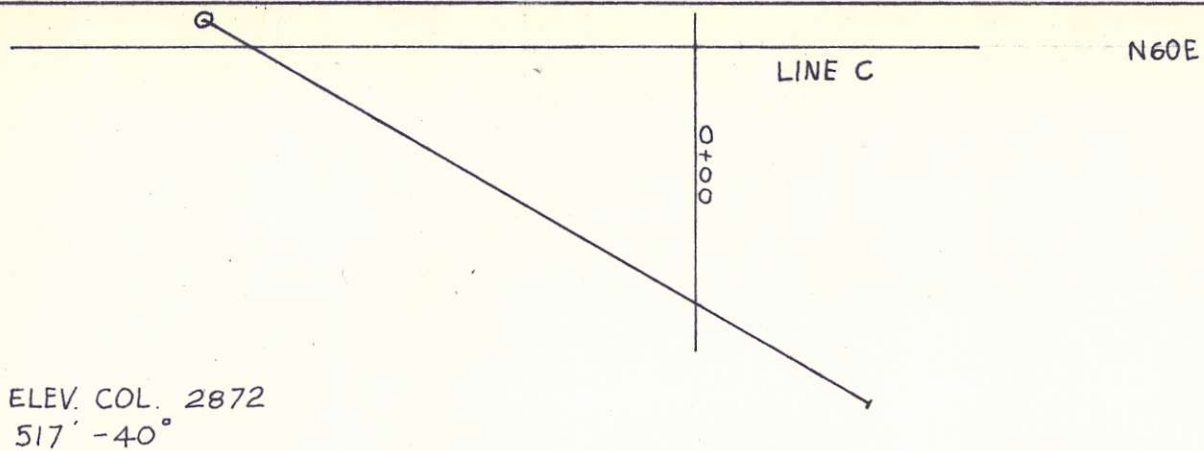
■	.02 - .06
■	.06 - .10
■	> .10

D-DH-4

PLAN & SECTION

SCALE 1" = 100'	DATE 8/3/66	DRAWN BY MJ BELEY
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800943



-  ALASKITE
-  HORNFELS
-  BRECCIA

DDH-4
PROJECTION ON
LINE C

SCALE 1" = 100'	DATE 17/3/66	DRAWN BY MJBELEY
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Sheet No. 1/7

DIAMOND DRILL LOG

Loc. Collar B+88 2+54W

DDH No. 4

Elev. Collar 2872 REL.

Started 5:30 pm MARCH 5/66

Bearing 090° (EAST)

Completed 2:30 AM MARCH 12

Inclin. -40°

End/Date 5/7

Note this hole in gen siliceous - low fract - ex zone w loc. chert in gen good fract etc's.

Feet	Core Recov	Description of Core	SAMPLING			
			No.	Ft.	Cor Sl.	
0-10		Casing - overburden				
10-34.5	21.9	Alaskite & Hornfels (a) 10'-14' Alaskite - intense Karlin ^m oxidation along fract. Coarse grained Alaskite. fract. sp ~ 2" g-v's < 1/4" Py/Pyrho/ <u>mod. Masz</u> in gtz-v's/chpy?				
		(b) 14-34.5 Hornfels - w some alk. Veining; greyish w cherty texture - silicified. fract. sp ~ 1-2" Δ* 10°-90° g-v's hairline - 1" Py/Pyrho/ <u>mod. Masz</u> in some fract & gtz-v's.				
22'-34.5'		(a) 22'-25' Alaskite - grey cut by fract. w. <u>mod. good Masz</u> & py. numerous g-v's & fract.				
		(b) 25-34.5 Hornfels - greyish-brown. fract. sp. 1-2" g-v's hairline - 1" Py/Pyrho/ <u>Mosz</u> fair-mod.				
34.5-67.5	32.7	Alaskite - grey - pinkish incipient Karlinization becoming more intense to 67' fract. sp. 1-2" g-v hairline - 1" Δ 0-90° * minor g-v's - 0°. Pyrho/Py/ <u>Mosz</u> Good in some g-v's - Gen fair-mod; fract. gen dark hairline dis <u>Mosz</u> ?; fract. sp decreases to < 3/4" 53-67.5'. minor chpy.				

Remarks:

Drilled by: Longyear.

Logged by: MPB.

Sheet No. 2/7DIAMOND DRILL LOG

Loc. Collar _____

DDH No. 4

Elev. Collar _____

Started _____

Bearing _____

Completed _____

Inclin. _____

End/Date _____

Feet	Core Recov.	Description of Core	SAMPLING			
			No.	Ft.	Cor SI.	
67.5-139.5	57.8	Alaskite & Hornfels.				
2.5'-67.5'-75'	(a)	67.5-73'? Hornfels - core ground here 1.5' hornfels greenish grey shaly Textured g-v's 1/2"				
2.4' 109.5'-117'		* $\leq 50^{\circ} - 80^{\circ}$				
73-132.5	(b)	73-139.5' - Alaskite - similar to previous section but kaolin [~] less prominent. fract. sp. greater than above, ~ 2-4" w. few sects to 1" g-v's hairline - 1" Except to 3" Py/Pyrho/Mo ₂ fair-mod / minor clay. Gen kaolin ^h becomes more prominent 85' → 93' - some small 1-2" brecciated zones noted; Increased kaolin [~] 109.5' - 132'				
mod to fair		Good Mo ₂ occurs in few g-v's.				
		* Gen. grade fair-mod.; Slight increase in freq. at fract. 104-132.5 mostly black hairline Ave $\leq 45^{\circ}$ mod kaolin [~] 132'-139.5'				
139.5-160'	19.8	Alaskite - kaolin [~] increasing to 160' fract sp. 1/2"-1" * mostly hairline black (less Mo ₂ ?) \leq g-v's 20-45°; fract w 45+ g-v's Py/Pyrho/mod Mo ₂ in g-v's & hairline fract. Intense kaolin [~] 145-160 - 1-2" breccia zones - in alask. w. alk. frag.				
moderate						

Remarks:

Gen. increase in kaolin[~] from 85'-160'
also increase in small breccia zones near 160'

Drilled by:

hongyear

Logged by:

MB

Sheet No. 3/7DIAMOND DRILL LOG

Loc. Collar _____

DDH No. 4

Elev. Collar _____

Started _____

Bearing _____

Completed _____

Inclin. _____

End/Date _____

Feet	Core Recov.	Description of Core	SAMPLING			
			No.	Ft.	Cor Sl.	
160'-169.5	8.8	Breccia zone in Alaskite grey-black case bkn. Gen silicified. frag. of gts & Alask. Calcite present in breccia zone. Py/Pyrho/ <u>minor</u> <u>Mos</u> <u>minor</u> Chry. Poss. fine <u>disc</u> <u>Mos</u>				
169.5-193	20.5	Alaskite - mod-heavy <u>Kadia</u> <u>m</u> fract ~1" less in <u>z</u> <u>base</u> - <u>Primarily</u> black <u>hairline</u> @ Δ 0-90 Gen <u>sparse</u> 40°-50° <u>g-v's</u> <u>hairline</u> - 1" Py/Pyrho/ <u>sparse</u> <u>Mos</u> / <u>chry</u> ?				
193-226	32.0	Alaskite - as above - fract. sp 1-2" Δ 20°-90° Gen good <u>g-v's</u> <u>hairline</u> - 1/2" <u>sparse</u> Py/Pyrho/ <u>sparse</u> <u>Mos</u> <u>Kadia</u> = <u>mod</u>				
226-228.5	22.0	Alaskite - becoming slightly darker in colour - greenish black. Poss. some calcite <u>g-v's</u> <u>Kadia</u> = <u>sparse</u> - <u>mod</u> fract. sp 1-3" Δ 15-90° Gen good. <u>g-v's</u> <u>hairline</u> - 1" Py/Pyrho/ <u>sparse</u> <u>Mos</u> except <u>z</u> <u>good</u> <u>sections</u> <u>220's</u> <u>225'</u>				

Remarks:

Drilled by:

LongyearLogged by: ms

Sheet No. 4/7

DIAMOND DRILL LOG

Loc. Collar _____

DDH No. 4

Elev. Collar _____

Started _____

Bearing _____

Completed _____

Inclin. _____

End/Date _____

Feet	Core Recov.	Description of Core	SAMPLING			
			No.	Ft.	Cor Sl.	
248.5-290'	40.6	Alaskite - intensity at Keolin \approx increases to 275' (core also becomes darker (w slight greenish tinge) fract. sp. 1"-2" \angle 10°-90° Gen 45° g-v's hairline - 2" gtz-v's w py / quartz / MoS ₂ mod-good / minor chpy Gen fair-mod - 282-290 brecciated zone primarily gtz frag. considerable chlorite alt \approx this section probably giving core dark greenish colour. Sil \approx adj to g-v's				
290-312.5	19.3	Hornfels - greenish-brown to grayish. Sil \approx intense. Sil \approx some chlorite alt \approx . Muscovite or sericite along fract. 311' in Alaskite bkn core 298'-306' numerous gtz-v's in thin section cracked mod-good MoS ₂ Breccia also present in frag of Alask and gtz. Alaskite 306'-312.5' fract. sp good \approx 1". Core has open fissures to 1/8"				

moderate to good

mod to good

fract breccia zone

Remarks:

Drilled by: Longyear.

Logged by: MPB.

Sheet No. 5/7

DIAMOND DRILL LOG

Loc. Collar _____

DDH No. 4

Elev. Collar _____

Started _____

Bearing _____

Completed _____

Inclin. _____

End/Date _____

Feet	Core Recov.	Description of Core	SAMPLING			
			No.	Ft.	Cor Sl.	
312.5'-349.5'	36.2	<p><i>fair to mod. good.</i></p> <p>Hornfels & Alaskite veins, Gen. widespread sil^{ic} to 320'. Sil^{ic} adj. to g-v's to 349'. Chloritic altⁿ along fract. & adj. to g-v's; fract. sp. masked in silicified zone Gen. ~1" Δ (0°) 90° <u>minor low angle</u> Gen. ~45° g-v's <u>hairline</u> - 2" Py/Pyrphyl <u>fair Mos.</u> esp. in gtz veins cutting Alask; Alask 327.5' - 329' gtz-v's gen. high-angle 45-90° fract. gen. less - mod-good Mos. 336'-336.5' - Alask; 337-337.5 Alask. 344-344.5' Alask.</p>				
349.5-382.5	31.5	<p><i>loc. fair mod. to (9° v's)</i></p> <p>Alaskite - greenish-grey sil^{ic} adj. to gtz-v's <u>minor</u> Kaolin^{ic} Greens possibly due to incipient chloritic altⁿ. Argill. about along some fract. fract. sp. 2"-6" Δ 0-90° Gen. ~60° Py/Pyrphyl Mos. fair-mod in gtz-v's & adj. Silicified sections.</p>				
382.5-408.7	25.9	<p><i>spars.</i></p> <p>Hornfels - brownish except in altered zones adj. to g-v's. Note sil^{ic} & minor chloritic altⁿ</p>				

Remarks:

Drilled by: Longyear

Logged by: MB

Sheet No. 6/7

DIAMOND DRILL LOG

Loc. Collar _____

DDH No. 4

Elev. Collar _____

Started _____

Bearing _____

Completed _____

Inclin. _____

End/Date _____

Feet	Core Recov.	Description of Core	SAMPLING			
			No.	Ft.	Cor	Sl.
		in band parallel to g-v's. fract. Sp. 1/2" - 1 1/2" Δ Gen Good - 50-90° ~45° AVG. g-v's hairline - 2" Min ^m Gen. Py / Pyrho / sparse MoS ₂ in gts - v's : Alask <u>402-404.5</u> <u>Good MoS₂ disc</u>				
408.7-453	41.7	Horofels in minor Alask veining zones of <u>intense alteration</u> where core completely altered (silicification primarily) from 1-4' in length - separated by zones of brownish core with leaching adj. to fract. & g-v's. Gen chlorite alt ^m minor. fract. Sp - 3/4 - 2" Gen ~ 1" high freq hairline in zones (sit ^m) g-v's hairline - 2" Δ Good 10°-90° ~ 30° AVG. Py / Pyrho / sparse - Mod MoS ₂ in g-v's. Gen poor - fair : <u>Alask</u> <u>431-433</u> - Good MoS ₂ in one section - 4" ; 437-438 Alask - cut by numerous g-v's. - highly silicified - <u>Mod - good MoS₂</u>				

Remarks: * Pyrho has been minor constituent in this hole compared w py content.
Drilled by: Longyear.

Logged by: MPB

Sheet No. 7/7

DIAMOND DRILL LOG

Loc. Collar _____

DDH No. 4

Elev. Collar _____

Started _____

Bearing _____

Completed _____

Inclin. _____

End/Date _____

Feet	Core Recov.	Description of Core	SAMPLING			
			No.	Ft.	Cor. Sl.	
453-517	62	<p>Horofels - Greenish-brown 5:1[±] & leaching adv. to g-v's not as much gen alt[±] as previous section. Minor chlorite alt[±]. fract. sp. ~ 1" increasing to 2"-4" = 497'-517' g-v's hairline - 3" Δ's 0-90° Gen 45° in 485-497 → g-v's parallel to core - good M₂S₂ - high to fract - leaching & some chlorite alt[±] in adv. to g-v's 512-517 section of g₂ - eyes to 1/2" dia rounded NOTE increase in pyrrhotite this section. Pyrrh/Py/M₂S₂</p>				
		<p>Recovery 93.2% - good considering loc. appressed loss @ 67.5'-75' & 109.5'-117'.</p>				
		<p>Summary - good fr. Δ's. + gen. high frequency. - Marked silic'n (loc. strong chln's) of h₂l's. - + fract in h₂l's - alkali complexes. - py gen = pyrrh</p>				

Remarks:

(para indic. pyrrh. cone at extremities of zone)

Drilled by: Longyear

Logged by: MSB