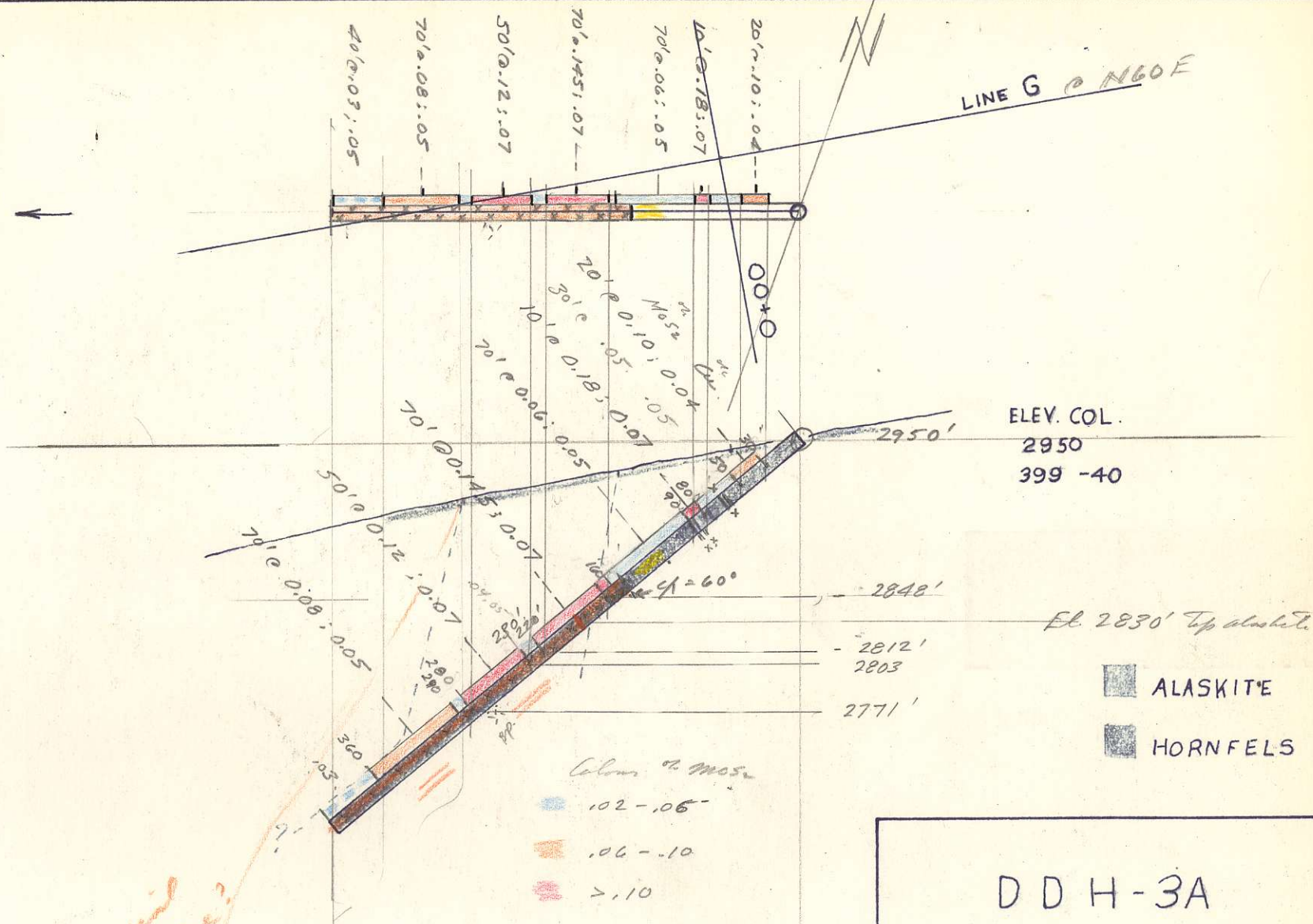


S70W ←

LINE G @ N60E



ELEV. COL.
2950
399 -40

■ ALASKITE
■ HORNfels

Colour of mose

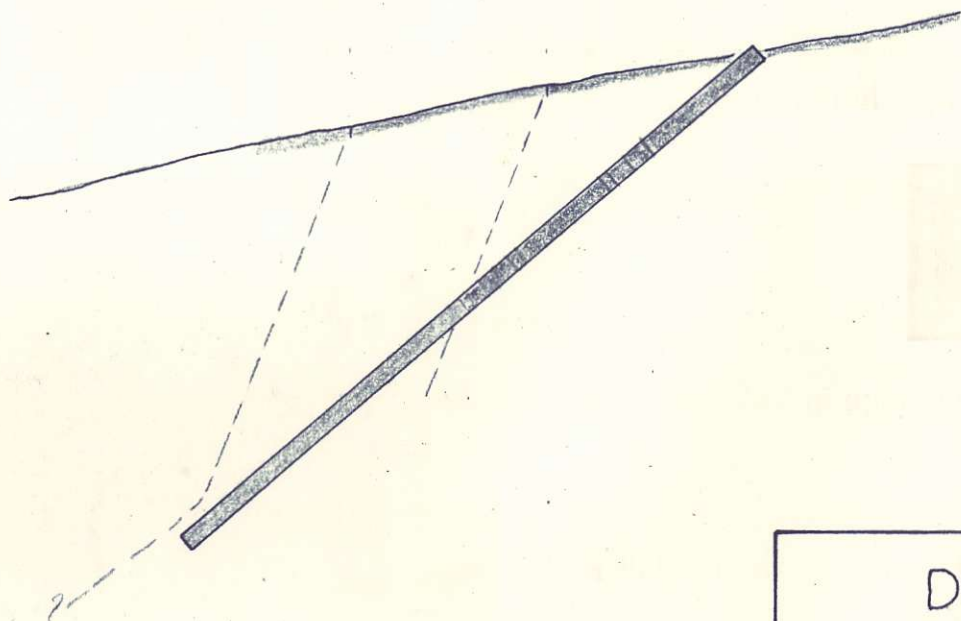
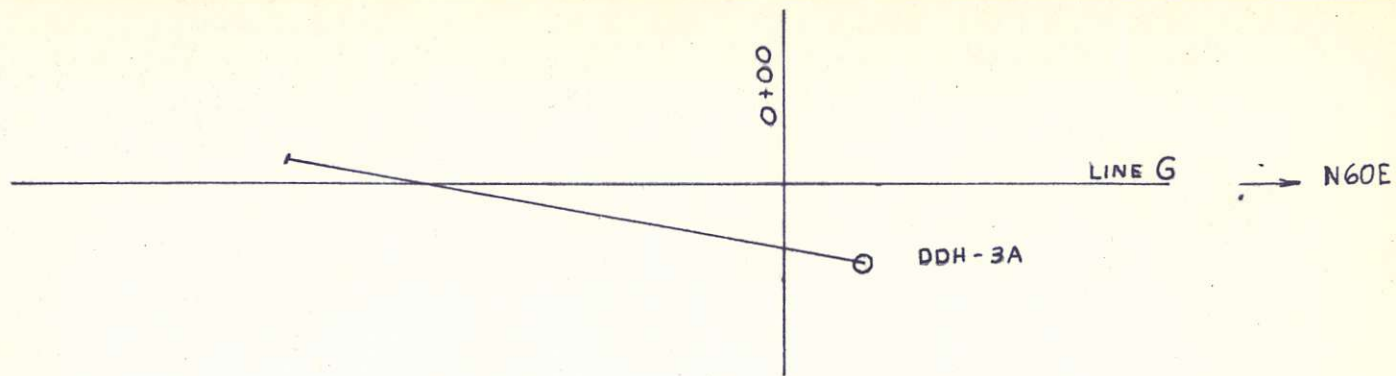
■	.02-.06
■	.06-.10
■	>.10

DDH-3A
PLAN & SECTION

SCALE 1" = 100'	DATE 8/3/66	DRAWN BY MJBELEY
--------------------	----------------	---------------------

Note: This hole not drilled on West by, as directed to better X-C infernal. frust direction, but drilled on sub by of #3 @ S70°W.

800941



ELEV. COL. 2950
399 - 40°

ALASKITE
HORNFELS

DDH-3A
PROJECTION ON
LINE G

SCALE 1" = 100'	DATE 17/3/66	DRAWN BY M.J BELEY
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Sheet No. 4/

DIAMOND DRILL LOG

Loc. Collar 6493; 0142'E

DDH No. 3A

Elev. Collar 2950' REL.

Started _____

Bearing 570° W.

Completed _____

Inclin. -40°

End/Date _____

Feet	Core Recov.	Description of Core	SAMPLING			
			No.	Ft.	Cor SI.	
192-244	good	Alaskite, white, sp. clark - speckled; moderate Kooler all in frag. fract. & g.v. @ 0°-30°; gen sp. to fair f. q. dissem. py w. assoc. maly & var'l spy. Note qz c 207.5-210.; mixed high & low-angle fract's & vlt's. loc. w. msv. py-pyrc. w. assoc. maly & spy.				
244-256	good	Alaskite: fair silic - fair Kool all in. Msv. quartz & silic alaskite; note gbk mixed vlt's - some msv - w. both high & low-angle fract's, & vlt's, & loc. dusty dissem's.				
256-266	good	Alaskite: gen. white-silic w. fair Kooler all in; frag. gen. banded hair-line & intermed to low-angle, gen sp. $\frac{3}{4}$ "-3" mica as py. chts & grains (some rept. sp. nature) w. minor assoc. MoS ₂ ; also as py-maly-spy along h.l. vlt's & larger q.v.				
266-272		Q2 - Alaskite breccia w. qz & alaskite frags. pvt-hand to $\frac{1}{2}$ " +; Note gen. rept. & intermed. py & fair dissem. & minor maly & minor spy.				

Remarks:

Drilled by: LONGYEAR,

Logged by:

MSD

Sheet No. 5/

DIAMOND DRILL LOG

Loc. Collar _____

DDH No. 3A

Elev. Collar _____

Started _____

Bearing _____

Completed _____

Inclin. _____

End/Date _____

Feet	Core Recov.	Description of Core	SAMPLING			
			No.	Ft.	Cor SI.	
272-288	good	Qz - alaskite br. cracked & scamed & repl w. fair aggregate of py - moly - spy. Note consid. string q-v @ low angles. String py - pyrch w. fair moly - lower spy. BV + qz further scamed & mineral (h.l. to 1/2") w. denser py - moly. fr. branched & close spaced in internal to low angles.				
288-315	good	Alaskite, white w. coarse, many Keokuk alt's of felds; pr. fracts & parallel to core w. subordinate scaming; pr. mineral along h.l. to 1/2" same as mss. py - moly etc. fillings - "fair"				
315-344	good	As above. w. some Keokuk alt's but less (cont. - 16" sp) Mineral pr. sp. only w. fair dissem. & chit py - pyrch, low fair spy assoc. in other salts. ecc. 1/4" - 3/4" q-v, & silic'ns				
344 [±] - 399	good	Alaskite; low fair Keokuk assoc. w. fract & salts. - gen. mineral same to above. var' sp. to fair partia. or assoc. w. qz - salt scaming assoc. gen. silic'ns. slightly more high-angle scaming.				

Remarks:

Drilled by: LONGYAR

Logged by: WMS

Sheet No. 1/6

DIAMOND DRILL LOG

Loc. Collar G+43; O+42'E.

DDH No. 3A

Elev. Collar 2950' REL.

Started 11:30AM FEB 28/66

Bearing S 70° W

Completed _____

Inclin. -40°

End/Date 399'

Feet	Core Recov.	Description of Core	SAMPLING			
			No.	Ft.	Cor Sl.	
0-10		Casing - overburden				
10-34.3	23.5	Hornfels - sil ² & chloritic alt ² adj. to g-v's. Cherty texture 29'-34.3'; Greenish brown-grey; bkn sections to 14'; fract 4"-8" sp Δ 0-70° Gen ~20°; g-v's 1/8"-1/2" - Numerous low-angle gtz-v's in Py & Pyrrha. Py/Pyrrha/Mo ₂ S ₃ /chpy. Note distinctive ^{5'} parallel min g-v in gen. dry hfls.				
34.3-64.0	28.7	Hornfels - brownish-greyish sil ² adj. to g-v's & in stockworks. Core very fine grained, fract. sp 6"-8", Δ 0°-75° Gen <30° Numerous g-v's <u> </u> to core; g-v's hairline - 1/2" - sections fair to good Mo ₂ S ₃ w. chpy: 46-48 Stockwork w alt ² & diss. Mo ₂ S ₃ Py/Pyrrha/Mo ₂ S ₃ /chpy. 36'-6"-39' gtz-v 1/2" w. Mo ₂ S ₃ parallel to core; Massive Fe sulphides in some gtz-v's.				
64.0-65.4	1.4	Alaskite vein - minor sil ² biotite pres. med-coarse grained grey calcite fract. Py/Pyrrha/Mo ₂ S ₃ /chpy.				

Remarks: Min.ⁿ occurring in g-v's and silicified zones.

Drilled by: Longyear

Logged by: MB
CR. [unclear]

Sheet No. 2/6DIAMOND DRILL LOG

Loc. Collar _____

DDH No. 3A

Elev. Collar _____

Started _____

Bearing _____

Completed _____

Inclin. _____

End/Date _____

Feet	Core Recov.	Description of Core	SAMPLING			
			No.	Ft.	Cor Sl.	
65.4'-79'	13.0	Hornfels - Greenish-brown chloritic alt ^z in stockworks and sil ^z adj. to g-v's fract. sp. ~6" ∠ 0°-30° g-v's hairline - 1/2" Py/Pyrho/MoSe/chpy 73-77 silicified zone Minor MoSe 77.5-78.5 Alaskite vein, low in matrix and fine grained minor diss MoSe ∠ ~40° (contacts); Note silicification of hlls. commences @ 71'---				
79'-94.5'	15.5	Hornfels - greenish-brown mottled appearance in stockworks sil ^z adj. to g-v's fract. sp. 8"-10" ∠ 0°-80° Gen ∠ 45°; g-v's hairline - 3/4" numerous larger g-v's low-angle Pyrrho/Py/MoSe/ Chpy; 87' Alaskite - dark ∠ 60° 4" wide; 89' greenish alaskite 6" ∠ 40-50°				
94.5-117.7	23.2	Hornfels - dark brown - greenish fine grained - Minor chloritic alt ^z Note - patchy seams. sil ^z adj. to g-v's; fract. sp. 6"-8" ∠ 10°-60° Gen ~30°; g-v's hairline - 1" Py/Pyrho/MoSe minor 1/2" alaskite - v. 102'; 108.5' alask. v. 4" wide - Pyrrho/Py/MoSe Note sub-per. fract. & g-v. w. py - pyrro - epy - moly - chlorite.				

Remarks:

Drilled by: LongyearLogged by: AMS

Sheet No. 3/a

DIAMOND DRILL LOG

Loc. Collar _____

DDH No. 3A

Elev. Collar _____

Started _____

Bearing _____

Completed _____

Inclin. _____

End/Date _____

Feet	Core Recov.	Description of Core	SAMPLING			
			No.	Ft.	Cor SI.	
117.7-151'	32.7	Hornfels w/ Alaskite veining - greenish-brown → greyish. Zones of stockwork silicified w/ some chlorite alt ⁿ . fract. sp. 4"-6" ∠ 0°-80° Gen ~ 25°; g-v's blk- 1" Pyrrho/Py/Mo ₂ S ₂ /chpy g-v's low-angle; massive diss. Fe sulphide altered zones; Alaskite-v 140.5'-141' -° Alk-142-143.5' Good rosettes Mo ₂ S ₂ /ChPy/Pyrrho. "dry" hills 134'-138' then silic w/alt ⁿ note hills, alaskite contacts 145' @ 60°				
151'-175.5'	24.2	Alaskite & Hornfels - Prominent kaolinization med. grained Alk Pyrrho/Py/Mo ₂ S ₂ g-v's 1/4"-1" ∠ ~20° Alk to 158' 158-159 silicified Hoffs.; 159-163.5' Alk. g-v's 0-30° Mod. Mo ₂ S ₂ in g-v's. g-v sp. ~1'-2'; 163'-166.5' g-v Pyrrho/Py/aurifer Mo ₂ S ₂ ; 165'-175.5' sp. silic Hornfels brownish green fract. sp. 2"-4" ∠ 0-60° g-v's gen. low-angle. fract. under range; g-v's hairline - 1/4"; gen. fair Mo ₂ S ₂ w low-angle vits.				
175.5-192	16.5	Alaskite - grey rosettes of Mo ₂ S ₂ diss. Good kaolinization fract sp. 6"-8" ∠ 0-30° g-v's ~1/2" gts - stockwork 183-185 grey-black 185-188 - highly altered zone - sil ⁿ gen. fair Mo ₂ S ₂ w sub-parallel fract & g.v. & intermingling repl.				

Remarks:

Drilled by: Longyear

Logged by: MB

Sheet No. 4/6

DIAMOND DRILL LOG

Loc. Collar G+43 O+42E

DDH No. 3A

Elev. Collar 2950

Started 11:00 AM FEB 28/66

Bearing S70W

Completed 12 MIDNIGHT MARCH 3/66

Inclin. -40°

End/Date 399'

Feet	Core Recov.	Description of Core	SAMPLING			
			No.	Ft.	Cor SL	
		191-2" zone massive Pyrrho/Py This section - Pyrrho/Py/MoS ₂ Oxidation at fract. planes 184'-211'				
192'-244'	51.31	Alaskite - light grey - Karolinization throughout fract. sp - 8-12" fairly constant sp $\Delta \sim 15^\circ - 30^\circ$ g-v's hairline - 1/2" w exceptions to 6". 192.5'-193.5' stockwork (gts): Pyrrho/Py/MoS ₂ (diss)/chpy 206' micaceous zone 1"; 207-211 gts stockwork good MoS ₂ adj to lower contact 220' hairline fract to core. 215-244 fract sp decreasing - 4-8" Pyrrho/Py/MoS ₂ /				
244'-266	22.0	Alaskite - 244-252 gts vein prob to core - sericite along contacts - 245' Pyrrho/Py/ MoS ₂ (mod.) 252-266 - Alaskite - pale greenish - pale pinkish fract. sp. 2-4" $\Delta 0 - 70^\circ$ Gen $\sim 30^\circ$ AVG g-v's 1/16" - 1/2". Considerable alt" from 252'-266. Pink feld spars. mod-fair MoS ₂ Pyrrho/Py/				

Remarks:

Drilled by: Longyear.

Logged by: MGB.

Sheet No. 5/6

DIAMOND DRILL LOG

Loc. Collar _____

DDH No. 3-A

Elev. Collar _____

Started _____

Bearing _____

Completed _____

Inclin. _____

End/Date _____

Feet	Core Recov.	Description of Core	SAMPLING			
			No.	Ft.	Cor Sl.	
266-279.5	13.5	266-268 small brecciated zones w/ undispersed kaolinization at adj. Alaskite. frag attract increased up to this section. 268'-272.5' massive green gts & alk. frag to 1/2" matrix sphalerite-black Py/Pyrite/Moss ^{space-mod} adj. to gts frag /Chpy. 274.5'-277.5' gts stockwork w/ dispersed Alk, massive sections Pyrite/Py, prominent kaolinization. mod Moss in g-v's w/ minor dissemin's.				
279.5-312	31.5	Alaskite - Intensive kaolin ² decreasing to 312 fract. sp. 3/4"-3" black irregular breccia, Δ 35° w/ some lower. Breccia zones observed in some cases w/ small < 1/2" ang. frag in black gd mass most breccia fract - black - Moss? and Fe in gts. minor dissemin. Moss in Alk. Gen Pyrite/Py/ Fe Moss/Chpy				
312-326'	13.7	Alaskite - mod. massive - mottled greenish-black kaolin ² diminishing to spotty sections → widespread.				

Space & moderate

minor

frag black hyl.
fract - Moss?

Remarks:

Drilled by: Longyear.

Logged by: MSB

Sheet No. 6/6

DIAMOND DRILL LOG

Loc. Collar _____

DDH No. 3A

Elev. Collar _____

Started _____

Bearing _____

Completed _____

Inclin. _____

End/Date _____

Feet	Core Recov.	Description of Core	SAMPLING			
			No.	Ft.	Cor Sl.	
		fract. Sp. 1"-4" Δ 10-70° Gen ~ 30° g-v's - 0-30° - 1/8-1/2" Pyrrhotite/Py / mod MoS ₂ / chpy - fair MoS ₂ in some gte-v's minor dis MoS ₂ .				
326'-368.5	42.0	Alaskite - Colour as above - fract Sp 4"-6" Δ high angle basal line fract & tenu-gte-v's 1/2 core Gen - 0-60° Avg 45° g-v's 1/8-1" + gte - stockwork or gte-v 1/2 core 340-341' Pyrrhotite/Py / mod MoS ₂ in some gte-v's minor dis / chpy. Spotty kaolinization -				
368.5-399	30.1	Alaskite - as above - Increase in ant. kaolinization - fract Sp. 2"-4" Δ fract ~ 45°, gte-v's 0°-40° g-v's 1/16-1/2" Py/Pyrrhotite / sparse MoS ₂ in some gte-v's.				
		% Recovery DDH-3A 98.4%				

Remarks:

Drilled by: Longyear

Logged by: MS