



DDH-2

PLAN & TRUE SECTION

SCALE 1" = 100'	DATE 25/2/66	DRAWN BY M.J. BELEY
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800939

orig. & 1 print 5/1/65

PLAN

LINE I + 43

ELEV. COL 2857
560' - 40°

PROJECTION

PROJECTION OF DDH-2
ON LINE I + 43

SCALE
1" = 100'

DATE
25/2/66

DRAWN BY
MJB ELEY

copy + 1 print to MO.

Sheet No. 1/7

DIAMOND DRILL LOG

Loc. Collar 378 W₀N I+43

DDH No. 2

Elev. Collar 2857

Started FEB 12/66

Bearing N 70° E

Completed FEB 17/66

Inclin. -40°

End/Date 560'

Feet	Core Recov.	Description of Core	SAMPLING				
			No.	Ft.	Cor SI.	% Mos ₂	% Cu
33'		Casing	3134	37-40	C	.01	.03
33'-56'	23.0	Hornfels - brownish-greenish bleaching near fract epidote & chlorite; fract sp ~ 6"-8" g-v's basaltic - 1/4"; Δ 30°-60° w minor ~ 20°; core bkn to 38'; Minor Mos ₂ in g-v's. Py/Pyrrho/Mos ₂ /Chpy; 50'-52' stockwork silicified & altered	35	-50	C	.02	.04
			36	-60	C	.04	.03
			37	-70	C	.02	.04
			38	-80	C	.01	.04
			39	-90	C	.03	.05
			40	-100	C	.06	.04
			41	-110	C	.05	.04
			42	-120	C	.04	.03
			43	-130	C	.06	.03
			44	-140	C	.05	.04
56'-73'	16.4	Hornfels - brownish thru grey to greenish; Bleaching & sil ^{ic} in zones and adj. to fract; fract sp 3"-6"; g-v's basaltic - 1/4"; Δ 30°-80°; Py/Pyrrho - diss. in gtz-v's / Minor Mos ₂ ; 56-56.5 limy sect w. diss. Py/Mos ₂ /Chpy; 65' low angle ^{late} vein w. calcite ~ 1/8" @ 20°	45	-150	C	.03	.04
			46	-160	C	.05	.03
			47	-170	C	.09	.03
			48	-180	C	.02	.04
			49	-190	C	.04	.05
			50	-200	C	.04	.04
			51	-210	C	.07	.05
			52	-220	C	.06	.04
			53	-230	C	.06	.03
			54	-240	C	.04	.04
73'-88'	15.0	Hornfels - brownish-greenish bleaching near fract. & in stock works alt ⁿ as above; fract sp. 2"-4"; g-v's basaltic - 1/4" Δ 30°-60° w. minor veining to 20°; Pyrrho / Py/Chpy / Mos ₂ (minor) occurs in g-v's; Sil ^{ic} 81-83 Considerable alt ⁿ ; bkn zone 83 w. argillic odour.	55	-250	C	.04	.03
			56	-260	C	.02	.05
			57	-270	C	.04	.07
			58	-280	C	.03	.05
			59	-290	C	.05	.05
			60	-300	C	.02	.05
			61	-310	C	.01	.04
			62	-320	C	.05	.04

Remarks:

Drilled by: LANGYEAR

Logged by: M J BELEY

1/8 2/25

Sheet No. 2/7

DIAMOND DRILL LOG

Loc. Collar _____

DDH No. 2

Elev. Collar _____

Started _____

Bearing _____

Completed _____

Inclin. _____

End/Date _____

Feet	Core Recov.	Description of Core	SAMPLING				
			No.	Ft.	Cor SL	MoS ₂	Ca
88'-117.2'	27.2	Hornfels - Greenish thru brownish & purple	3663	320-330	C	.02	.05
		Section laced w/ streakworks & shows	64	-340	C	.02	.05
		considerable sil ^{ic} ; g-v approx 1"-2" wide	65	-350	C	.03	.07
		Sp. hairline - 1/8" - 1/2", Δ 10°-30°	66	-360	C	.06	.05
		Avg. 30°-50°; Fe sulphides fd. gen.	67	-370	C	.02	.07
		in g-v's or sil ^{ic} zones w/ minor	68	-380	C	.06	.08
		diss. in hornfels; 99'-100.5' purph.	69	-390	C	.06	.05
		Trap w/ no vis. min ^{er} slightly greenish	70	-400	C	.04	.07
		- black colour - Contacts very distinct (fault)	71	-410	C	.03	.05
		113' vein w/ calcite filling - Minor Mo	72	-420	C	.03	.04
in adj. r.k.	73	-430	C	.03	.07		
Py/Pyrrho/MoS ₂	74	-440	C	.02	.08		
			75	-450	C	.02	.05
117.2'-140'	22.8	Hornfels - brownish - grey-green	3726	-460	C	.03	.05
		Sil ^{ic} adj to fract; g-v's hairline-	27	-470	C	.04	.04
		2" Δ 30°-60°, Sp. 2"-4"	28	-480	C	.03	.07
		Numerous bkn. sections. Q-v. Pyrrh.	29	-490	C	.03	.05
		py - sp. MoS ₂ . Consider. silic ^{ic} at btl.	30	-500	C	.04	.04
140'-155'	14.4	Hornfels - brownish - minor bl.	31	-510	C	.02	.04
		adj. to g-v's fract sp. 2"-4"	32	-520	C	.02	.04
		Δ 30°-80° g-v's hairline - 1"	33	-530	C	.02	.05
		140° - 144' brownish knfls w/	34	-540	C	.01	.05
		gtz & feldspar (?) eyes.	35	-550	C	.02	.07
		Py - Pyrrho/MoS ₂ /Chpy	36	-560	C	.01	.07
Consider. ribbon silic ^{ic} in fract btl.			- COMPLETES CORES -				
155'-171'	16.0	Hornfels - greyish-green zone					
considerably alt ^{er} - Sil ^{ic} & chloritic							
att ^{er} ; Consider. silic ^{ic} loc. qz-moly							

Remarks:

MoS₂ occurs primarily in gtz - v's but also as diss^{ol}'s in bleached & silicified zones.

Drilled by:

LONGYEAR

Logged by: MJB

Sheet No. 3/7

DIAMOND DRILL LOG

Loc. Collar _____

DDH No. 2

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" Δ 35°-80°	3609	35-40	SL.	.03	.05
		gtz-v's hairline - 1" gen. - 1/8"	10	-50	SL	.03	.04
		Py / Pyrrho / MoS ₂ / chpy	11	-60	SL	.03	.05
		primarily in g-v's. w. minor diss.	12	-70	SL.	.03	.04
		in hornfels.	13	-80	SL	.01	.03
			14	-90	SL	.01	.04
			15	-100	SL	.04	.05
171'-203'	31.5	"dry" Hornfels - dark brown - black very fine grained; cut by numerous hairline fract. Minor sil ^{ty} near fract.	16	-110	SL.	.05	.07
		fract. sp 2"-4" & less in some zones;	17	-120	SL.	.02	.04
		Δ = 30°-90°; g-v's hairline - 1/2" Pyrrho/	18	-130	SL.	.03	.03
		Py / MoS ₂ / chpy; Min \approx limited to	19	-140	SL.	.03	.07
		gtz-v's & fract.; 195'-197' stockwork	20	-150	SL.	.04	.05
		w. considerable sil ^{ty} & qz. Fair MoS ₂	21	-160	SL.	.05	.04
		occurring w. pyrrho; Note cube	22	-170	SL.	.04	.04
		PbS in qz! Pass alkali term	23	-180	SL.	.02	.04
			24	-190	SL.	.03	.03
			25	-200	SL.	.02	.03
			3676	-210	SL.	.04	.04
203-214	11.0	Hornfels - brownish-greenish	77	-220	SL.	.04	.04
		Bkn zone 203'-204'. Very mottled	78	-230	SL.	.03	.07
		appearance this section due to	79	-240	SL.	.03	.05
		sil ^{ty} ; fract sp approx 4"-8"	80	-250	SL.	.02	.05
		Δ 35°-90° g-v hairline - 1" Gen 1/4	81	-260	SL.	.01	.04
		minor low-angle fract's w/10°	82	-270	SL.	.02	.05
		pyrrho / Py / chpy / MoS ₂ - Good	83	-280	SL.	.02	.04
		sections of Cu & MoS ₂ ass. w.	84	-290	SL.	.02	.03
		pyrrho. Some diss. at min ^{ty}	85	-300	SL.	.02	.07
		in zones of sil ^{ty} (scattered in	86	-310	SL.	.02	.04
		qz-sil stockworks in hls zones.	87	-320	SL.	.03	.04

Remarks:

Py / Pyrrho ratio appears to vary
from section to section but no definite
Trends
Long year.

Drilled by:

Logged by: MJB.

Sheet No. 4/7

DIAMOND DRILL LOG

Loc. Collar _____

DDH No. 2

Elev. Collar _____

Started _____

Bearing _____

Completed _____

Inclin. _____

End/Date _____

Feet	Core Recov.	Description of Core	SAMPLING				
			No.	Ft.	Cor Sl.	MoS ₂	Chpy
214-245	30.3	Hornfels - greenish brown - grey Sil ² adj. to g-v's and in stockworks Some chloritic alt ² in stockworks fract Sp 4"-6" Δ 30°-90° w few low-angle fract g-v's hairline - 1/2" Gen 1/4"-1/8" ; Py/Pyrtho/MoS ₂ / Chpy. Increased alt ² from 231'-244' 241'-243' stockwork-sil ² & chloritic alt ² w zones of massive pyrtho occurring in g-v's w MoS ₂ & Chpy.	3688	320 -330	SL	.04	.03
(loc "dry" 211'-222')			89	-340	SL	.02	.04
			90	-350	SL	.03	.05
			91	-360	SL	.02	.04
			3692				
			3693	-370	SL	.03	.05
			94	-380	SL	.03	.04
			95	-390	SL	.02	.04
			96	-400	SL	.03	.05
			97	-410	SL	.02	.04
			98	-420	SL	.01	.05
			99	-430	SL	.03	.05
245-292.2	46.0	Hornfels - greenish brown Sil ² adj. to g-v's and in stockworks Minor (chloritic) alt ² in stockworks fract. Sp 4"-6" Δ 30°-90° w few low-angle fract & g-v's hairline - 2" ; 260.5' / 5" g-v pyrtho/Py/Chpy/MoS ₂ - diss. pyrtho. zone exists 6" above g-v. Chpy occurs in g-v's (hairline) in this zone. Zone above & below g-v considerably altered - Gen v-sp matx. * Note conspic lack of acute fracts.	3700	-440	SL	.03	.04
			01	-450	SL	.03	.07
			02	-460	SL	.01	.04
			03	-470	SL	.01	.05
			04	-480	SL	.01	.05
			05	-490	SL	.01	.04
			06	-500	SL	.01	.03
			07	-510	SL	.01	.04
			08	-520	SL	.02	.05
			09	-530	SL	.02	.05
			10	-540	SL	.02	.10
			11	-550	SL	.02	.07
			12	-560	SL	.02	.04
292.2-333	40.7	Hornfels - black to brownish Sil ² & minor chloritic alt ² along g-v's, fract Sp 4"-6", Δ 15°-90° Gen 35°					

Remarks: Hornfels continues w zones of alt² (primarily Sil² & chloritic alt²) and min² occurring in g-v's. Good sections of

Drilled by: Chpy w. MoS₂ & Pyrtho.
Longyear.

Logged by: MJB

Sheet No. 5/7

DIAMOND DRILL LOG

Loc. Collar _____

DDH No. 2

Elev. Collar _____

Started _____

Bearing _____

Completed _____

Inclin. _____

End/Date _____

Feet	Core Recov.	Description of Core	SAMPLING			
			No.	Ft.	Cor Sl.	
3"		g-w's hairline - 1/2" Pyrrho / py / chpy / MoS ₂				
333-353.5	19.5	Hornfels - brownish-grey - wide-spread sil ² giving core cherty Texture in sections; fract. sp 6"-8" ∠ 15°-90° Gen. 30°; increase in number of low-angle fract. noted; g-w's hairline - 2" Gen 1/4" Py / pyrrho / MoS ₂ / Cu Cu min [±] cherty ass. w. pyrrho.				
353.5-400.5	47.0	Hornfels - greyish - cherty Texture whole sect. silicified w. fract. filled w. calcite & gtz fract ∠ 10°-80° (Avg ~ 30°) - Calcite occurs in ^{high} low-angle fract. (late fractures in blk. zone fr. to g-w's 1/2-1 1/2", sp. at g-w's ~ 10" + fract's & g-w's masked by wide-spread alt ² ; 360° Sphalerite (yellowish). Fe Sulphides, MoS ₂ & Chpy diss. in silicified zones Py / pyrrho / MoS ₂ / chpy / sphalerite.				(included)

Remarks:

Drilled by:

Logged by: MP

Sheet No. 6/7

DIAMOND DRILL LOG

Loc. Collar

DDH No. 2

Elev. Collar

Started

Bearing

Completed

Inclin.

End/Date

Feet	Core Recov.	Description of Core	SAMPLING			
			No.	Ft.	Cor Sl.	
420.5-424.5	23.2	Hornfels - brownish → greenish; gen. dry s-l ² along g-v's alt ² min ² . fract sp. 4-6" Δ 10°-90° Gen. 50° g-v's hairline - 1/2" ; low-angle fract. (100°) contain minor Mos ₂ Pyrrho/Py/Mos ₂ / minor chpy sp.				
424.5-526	99.0	gen. well silic. 5 509' Hornfels - brownish to greyish stockworks silicified & bleached minor chloritic alt ² fract. sp. ~ 4" - 6" Δ 20° - 90° Gen. 30° g-v's hairline - 1" Avg 1/2" - 1/4" 424.5-425 Py/Pyrrho/Mos ₂ /chpy. 436-437 limy section calcite in fract. Δ 10°-15° diss. Py/Pyrrho sphalerite/Mos ₂ 475-480' silicified zone w. calcite in fract. Pyrrho/Py/Mos ₂ / chpy. 480-526 Pyrrho/Py/Mos ₂ /chpy. numerous calcite fract. - No min ² .				
526-550	24.0	Hornfels - grey - consid. fract. by silic. Intensely silicified zone w. fract. of calcite fract. sp. 4" - 6" Δ 10°-80° Avg. 20°-30° g-v's hairline - 1/2" ; fract. of				

Remarks: Fract. of calcite appearing in lower sections of DDH 2 appear to represent a late phase of hydrothermal activity. Cut g-v's etc. Majority have no vizi. min².

Drilled by:

Long year.

Logged by:



Sheet No. 7/7

DIAMOND DRILL LOG

Loc. Collar _____

DDH No. 2

Elev. Collar _____

Started _____

Bearing _____

Completed _____

Inclin. _____

End/Date _____

Feet	Core Recov.	Description of Core	SAMPLING					
			No.	Ft.	Cor SL	% MoS ₂	% Cu	
		calcite hairline - 1/2" w. no vis. min ² Pyrrho / Py / MoS ₂ / Cu occur in gtz - v's w. very minor diss. in adj. rock.						
550-560	10.0	Hornfels - dark greenish-grey brown. Minor chloritic alt ² near g-v's; fract Sp 8"-10" $\Delta = 30^\circ-80^\circ$ calcite bearing fract $\Delta 20^\circ-35^\circ$ g-v's 1/16"-3/4" Pyrrho / Py / very minor MoS ₂ .						
DDH #2		RECOVERY 96.4%						
		<u>SUMMARY DDH #2</u>						
				37'-90'	C		.02	.04
				90'-230'	C		.05	.04
				230-400	C		.035	.05
				400-560	C		.025	.05
		41.130		AVG 37-560'			.03	.04
		103						

Remarks:

Drilled by: Langyear

Logged by: msb

Sheet No. 11

DIAMOND DRILL LOG

Loc. Collar

#1-42 colls
529 1/2° E, 2171'

DDH No. 2

Elev. Collar 2857'

Started FEB. 12, 1966

Bearing N 70° E.

Completed

Inclin. - 40°

End/Date

Feet	Core Recov.	Description of Core	SAMPLING			
			No.	Ft.	Cor. Sl.	
0-33		OVERBURDEN - COSED.				
33-38	(5.0)	Hornfels - Mottled browns - greens, consid. glass-cherty silic. diff. from fracts; Fr. 30°-40°-80° q-v. chl. - 1/4" w. py-pyrch - to moly.				
38-52.4	12.4	Hornfels - sim. diff. mottling; more glass fract - silic in c 52-52.4' most fr. 40°-60°; range h-l - 1/4" sp. to to "dusty" to v. t. gr. on h-l. - larger v.lts w. Fe. sulf's.				
52.4-73	20.6	Hornfels - Brown w. mottled cherty - all sects. - greens - whites loc. to fr. zones; q.v. chl. to 3/8" 30°-40°-75°; 0.6" sp. on comp. v.lts (excl. h-l's). Fair moly. q.v. loc. to q-v. Note dissem. glass in gray recrystall. limy tuff.				
73-94.5	21.0	Hornfels - w. loc. mottled bl. on Fracts. to 88'; strong cherty white-green after 88-90'; v.lts. q-v. 1/4" - 1/2" to 1.6" sp. plus freq. h-l's. 0'-88' @ 45°-60° run 30°-40° incl. 1st - last c 84'; Gen. sp. pyrch - epy - to moly (vtgr); * wide t. gr. moly dissem. in bl. broken sects.				
94.5-110	14.5	Hornfels - Browns + pale, mod. fract bl. w. consid. close q-v. Sp. pyrch - py. to moly.				
110-122	12.2	As above; consid. q-v. 1/4" - 1/2" c 50° (3" @ 117') fair ch. + green pyrch w. scant epy - to moly.				

Remarks:

Drilled by: LONGYEAR -

Logged by: gms