016169

M. Hammond

SHEET 1 OF 2

ANVIL MINING CORPORATION LIMITED
Whitehorse, Yukon

PROPERTY NAME ..... IVAN .....
LOCATION ..... 133°15' W ..... 62°35' N .....
DATE DRILLED ..... JUNE 1966 .....
SCALE OF LOG ..... 1" = 40' ..... LOGGED BY MOH ..... DATE JUNE 22/66

HOLE NO. V-1 .. DEPTH 339
COLLAR ELEVATION ~3525 CORE SIZE A INCLINATION TESTS
BEARING — (MAG OR TRUE) DIP 90°
CO-ORDINATES 1+50 N. 4+00 W.
SURFACE ✓ OR UNDERGROUND .....
TOTAL RECOVERY 338.5 ft or 99.9%

ROCK TYPES AND ALTERATION	MINERALIZATION AND STRUCTURES	FOOTAGE BLOCKS	% RECOVERY	SAMPLE No.	INTERVAL FROM	INTERVAL TO
Alluvium 0-22'						
ARGILLITE, generally limy, light grey to blk. medium soft. graphitic	Disseminated X±s py <0.5 mm (indigenous) Stringers & blebs pyr, po, cp. Mostly 1/16" or less. Total sulphide <2% ? Minor brecciation ± calcareous filling Banding 80-45% to core axis.	25 35 39	C			
40						
"	Some strs mainly py, others mainly po, fewer cp. In general py > po > cp. Sulphides generally irregular.	41.5 43				
Locally more siliceous e.g. 65' area	56' — 3" qtz & calcite ± pyrite, galena, sp 15-20% sulphides	63	C			
80	Sulphide strs are irregular both ~⊥ ~// banding.	73				
"	Banding 70-85° to core axis	82 85.5 95.5				
	Banding 70° to core axis.	103 109	C			
120		119				
"	Fracture fillings of calcite ± py up to 1/4" Banding 80° to core axis, locally to 65°	122 132 142	C			
160	Banding 50° to core axis	152 157 160				
"	Banding 60° to core axis 177 very graphitic (schistose) 6" broken core. Banding 45-50° to core	170 177 185	C			
200	Blobs & strs as above. Total ~ 1% ?					
Generally lighter coloured from 225 ft. Light muddy grey.	207 strs // core to 1/4" calcite py, po, sp?, cp? 210 " " " " " Banding 70° to core axis 220 Banding 65-75° to core. Scattered strs & blebs Somewhat brecciated with calcite fillings.	205 224 229 234	18.6 C			
240						

ANVIL MINING CORPORATION LIMITED Whitehorse, Yukon

PROPERTY NAME ....IVAN..... HOLE NO. V-1... SCALE OF LOG 1" = 40'

ROCK TYPES AND ALTERATION	MINERALIZATION AND STRUCTURES	FOOTAGE BLOCKS	% RECOVERY	SAMPLE NO.	INTERVAL FROM	INTERVAL TO
Generally soft 270 becoming harder, more siliceous, darker grey. QUARTZITE 280	Banding indistinct. Strs & blebs py, po. Banding ~70° to core.		C			
283 - softer c few small Qtzite bands (upto 1 ft.) 295 - Grades into QUARZITE with some argillite bands. 320 Grades into softer, grey ARGILLITE	280.5 1" band f.g. po c minor cp. General brecciation of the muddy facies. Mineralization does not appear to favour one facies more than other.		C			
325 to end blk & grey bands Graphitic.	Banding 65° to core.		C			
	END OF HOLE	339				

ANVIL MINING CORPORATION LIMITED
Whitehorse, Yukon

PROPERTY NAME IVAN
LOCATION 133°15' W 62° 35' N
DATE DRILLED JUNE – JULY 1966
SCALE OF LOG 1" = 40' LOGGED BY MOH DATE JULY /66

HOLE NO. V-2 DEPTH 338
COLLAR ELEVATION 3705 CORE SIZE A INCLINATION TESTS
BEARING — (MAG OR TRUE) DIP 90°
CO-ORDINATES 10+00 N. 12+00 W.
SURFACE ✓ OR UNDERGROUND
TOTAL RECOVERY 309 ft or 86%

ROCK TYPES AND ALTERATION	MINERALIZATION AND STRUCTURES	FOOTAGE BLOCKS	% RECOVERY	SAMPLE NO.	INTERVAL FROM	INTERVAL TO
Alluvium 0-20'						
ARGILLITE Core badly broken. Leached & rusty. Basically greyish colour. Hard & soft	Stringers of pyrite & galena <1%	30, 33, 34	9			
40			13			
55 ARGILLITE Greyish with greenish-blk mottling. Generally soft.	Occasional blebs of py & po(?) Sheared.	55	C			
80 QUARTZITE Grey with greenish-blk. Gradational with above. Harder.	Strs py, gal & sp to 1/8" thick.	81, 91, 97, 116	C			
120	Strs py, gal, sp, po & lesser cp. Some strs parallel to banding, others cross-cutting.	121, 156	C			
160 Softer 170-185	Strs py, gal, sp, po, cp. 162 area, banding irregular & near // core axis. (local folding) 168 banding 45° to core axis. 6" gougy section 60° to core axis, // banding.	164, 170, 175, 191	5, C			
200 Lighter grey from ~195		202, 219, 223	C			
Rock becoming less siliceous, softer from ~223.	Strs & blebs py, po, gal, sp, cp; ~1% combined. 222 +k locally very light grey with spotty apple green coloration. Banding irregular 230-245					
240						

ANVIL MINING CORPORATION LIMITED Whitehorse, Yukon

PROPERTY NAME ....IVAN..... HOLE NO. V-2... SCALE OF LOG 1" = 40'

ROCK TYPES AND ALTERATION	MINERALIZATION AND STRUCTURES	FOOTAGE BLOCKS	ft RECOVERY	SAMPLE NO.	INTERVAL FROM	INTERVAL TO
ARGILLITE Light grey, soft locally charty & harder. Some chlorite alteration	Some of mineralization occurs as concentrations of v.f.g. sulphide (mainly po, cp) as a band in rk up to 1.5 inches eg. 230' & 252. General increase in sulphides po, sp, py, arsenopy, gal, 4-3% total (?). Banding 65° to core axis. Many small fillings of calcite.	245 254 258 271 274	C C			
280						
"	Banding indistinct—irregular crenulations. Locally brecciated.	286 288 291 294 298 302 306 309 315 317	2.5 4.5			
320						
"	Core badly broken. Scattered blebs py, po, gal. << 1%	320 338	4			
338	END OF HOLE					

ANVIL MINING CORPORATION LIMITED
Whitehorse, Yukon

PROPERTY NAME ..IVAN.....

LOCATION .....

DATE DRILLED ..... August 1966 .....

SCALE OF LOG ...1" = 40'... LOGGED BY MOH ... DATE Aug. 17/66

HOLE NO. 66-V-3 DEPTH 438

COLLAR ELEVATION ..... CORE SIZE Ax ..... INCLINATION TESTS

BEARING 180 (~~MAGNETIC~~ TRUE) DIP 45

CO-ORDINATES 22+00 N. 20+00 W.

SURFACE ✓ OR UNDERGROUND .....

TOTAL RECOVERY 325.5' x 100/400.5 = 81.3%

SHEET 1 OF 2

ROCK TYPES AND ALTERATION	MINERALIZATION AND STRUCTURES	FOOTAGE BLOCKS	% RECOVERY	SAMPLE No.	INTERVAL FROM	INTERVAL TO
OVERBURDEN to 37.6' CASING to 432'		37.5	c			
ARGILLITE Generally soft. Graphitic 39-49 Somewhat mottled light greenish grey to dark grey except black graphitic section. 80	Foliation 70-80° to core axis, very distinct only in graphitic section. Few stringers pyrite & po with very minor cp. Total sulphides << 1% Some calcite bands & fillings.	72	c			
Black, graphitic from 83-120 120	Bedding 60°-80° to core axis where distinct.	116	38			
Light to dark grey with some black sections 120-160 160	1" po band @ 129' & a few other blebs & strs of po, py. Bedding 70-80° to core axis. ¼" blebs of po & trace cp. in calcite filling 20° to core axis @ 150'. Other scattered blebs po, py & tr. cp.	159	c			
Light to dark grey. Cherty sections 165-168 Generally soft, except chert. GRAPHITIC, Sooty-blk 196-245 & a few lighter sections. 200	Few blebs po, py. Bedding 80-85° to core axis. Crushed appearance 173-195, irregular calcite stringers and "slickenside" development & minor py & po.	200	39			
240	Calcite strs up to ¼" Minor py & po. Bedding 75° to core axis.	226 240	18			

ANVIL MINING CORPORATION LIMITED Whitehorse, Yukon

PROPERTY NAME ....IVAN..... HOLE NO. 66-V-3 SCALE OF LOG 1" = 40'

ROCK TYPES AND ALTERATION	MINERALIZATION AND STRUCTURES	FOOTAGE BLOCKS	ft. RECOVERY	SAMPLE No.	INTERVAL FROM	INTERVAL TO
ARGILLITE, Light & dark to black. Very graphitic 265-280, varying amounts elsewhere. Generally soft. 280	Scattered calcite stringers up to 1/4" " po & py strs & blebs. Trace galena @ 267. Minor sphalerite @ 276.	280	C			
Grey to black, very graphitic. 320	Scattered blebs py & po.	320	15			
" 360	"	360	34			
Generally black & very graphitic to 373, Grey to black to 390, Black to 400. 400	375 galena, sphalerite, py, po, trace ~ 20% sulphide in 2" siliceous band.	391	32			
Generally soft & sooty black. Very graphitic Graphite well developed. 438	Minor py, cp @ 413 "SAND" 408-410, 422-438. END OF HOLE	438	29			

ANVIL MINING CORPORATION LIMITED
Whitehorse, Yukon

PROPERTY NAME .....IVAN.....
LOCATION .....
DATE DRILLED ..... AUG - SEPT 66 .....
SCALE OF LOG 1" = 40' LOGGED BY MOH DATE SEPT 15/66

HOLE NO. 66-V-4 DEPTH 438
COLLAR ELEVATION ..... CORE SIZE Ax INCLINATION TESTS
BEARING ..... (MAG OR TRUE) DIP 90
CO-ORDINATES 10+00 N. 12+00 E.
SURFACE ✓ OR UNDERGROUND .....
TOTAL RECOVERY 342' = 83.25%

SHEET 1 OF 2

ROCK TYPES AND ALTERATION	MINERALIZATION AND STRUCTURES	FOOTAGE BLOCKS	ft RECOVERY	SAMPLE No.	INTERVAL FROM	INTERVAL TO
OVERBURDEN – 26'						
ARGILLITE Dk grey to black. Limy. Soft. Varying amt. graphite. 40	Core in small chips.	26, 27	7			
" 80	Bedding indistinct. Bedding 65° to core axis. at 77'	41, 61, 64, 69, 75, 77, 90	22			
" 120	Bedding 65 to core axis.	84, 87, 92, 94, 100, 106, 109, 113, 115, 117	33			
Very graphitic 160		125, 130, 133, 145, 150, 154, 156, 159	22			
Mottled lt. grey & black to 180'. Mainly grey-black from 180. Very graphitic. 200	Highly contorted. Widely scattered strs & blebs pyrite	164, 169, 170, 173, 176, 179, 182, 183, 184, 193, 195, 198	32			
" 240	Strs & blebs pyrite. ~1/2" qtz & calcite ≈ py, sp & galena at 233.	201, 203, 205, 213, 215, 216, 218, 220, 223, 225, 226, 227, 230, 234	31			

ANVIL MINING CORPORATION LIMITED Whitehorse, Yukon

PROPERTY NAME ....IVAN..... HOLE NO. 66-V-4. SCALE OF LOG 1" = 40'

ROCK TYPES AND ALTERATION	MINERALIZATION AND STRUCTURES	FOOTAGE BLOCKS	% RECOVERY	SAMPLE NO.	INTERVAL FROM	INTERVAL TO
ARGILLITE Grey to black, Limy VERY Graphitic 280	Scattered pyrite strs & blebs.	248, 251, 253, 255, 258, 264, 266, 268, 272, 275, 279	40			
〃 312-314 grey siliceous section 320	Scattered py. ½" str. py at 294.	261, 266, 296, 302, 305, 314, 316, 318	40			
VERY Graphitic. Limy. 360	325 5" massive po ⁊ hairlines cp. Scattered py strs. & blebs.	321, 330, 333, 338, 342, 352, 354, 358, 360	37			
〃 400	〃	361, 365, 370, 373, 376, 378, 388, 390	40			
Lighter grey 400-430, 435-436 siliceous with softer sections. 430-435, 436-438 softer, graphitic limy. 438	Axis of fold at 406, Bedding 80° to core at 405 & 407 407 ½" calcite & qtz ⁊ py & galena. Scattered strs & blebs pyrite.	403, 413, 415, 417, 422, 424, 427, 438	40			