RESERVE ESTIMATE

OF THE

FARO ORE BODIES (1)

YUKON TERRITORY, CANADA

Submitted to:

Cyprus Anvil Mining Corporation, Ltd.

July 8, 1975

By E. N. Pennebaker

E. N. Pennebaker

090941

for info only

This report has been examined by the Geological Evaluation Unit and is recommended to the Commissioner to be considered as representation work in the amount of

$_____

Resident Geologist or
Resident Mining Engineer

Considered as representation work under Section 53 (4) Yukon Quartz Mining Act.

Commissioner of Yukon Territory

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SUMMARY

The results of the estimate described in this report, as of January 1, 1975, are as follows:

THE LARGE FARO ORE BODY

WITHIN THE "L.K. ULTIMATE PIT"

TONNAGES OF PROVED PLUS PROBABLE ORE

(Ore Bodies 1 + 3)

Estimate by Longitudinal Sections

Category	Cubic Yards	Short Tons	% Pb	% Zn	Combined Pb + Zn
Proved	4,839,712	15,245,076	3.5	5.8	9.3
Probable	6,041,978	19,032,207	3.0	5.0	8.0
	10,881,690	34,277,283	3.2	5.4	8.6

OUTSIDE OF THE "L.K. ULTIMATE PIT"

TONNAGES OF PROVED PLUS PROBABLE ORE

(Ore Bodies 1 + 3)

Estimate by Longitudinal Sections

Category	Cubic Yards	Short Tons	% Pb	% Zn	Combined Pb + Zn
Proved	527,961	1,663,075	3.3	6.4	9.7
Probable	1,902,655	5,993,363	2.7	5.5	7.7
	2,430,616	7,656,438	2.9	5.7	8.6

TOTAL PROVED PLUS PROBABLE ORE

(Inside and Outside of the "L.K. Ultimate Pit")

Cubic Yards	Short Tons	% Pb	% Zn	Combined Pb + Zn
13,312,306	41,933,721	3.2	5.4	8.6

THE SMALL FARO ORE BODY

WITHIN THE GIVEN PIT OUTLINE

Average of Results by Longitudinal and Cross Sections

TONNAGE OF PROBABLE ORE

(Ore Body 2)

Cubic Yards	Short Tons	% Pb	% Zn	Combined Pb + Zn
1,099,664	3,463,942	3.4	5.0	8.4

OUTSIDE THE GIVEN PIT OUTLINE

Average of Results by Longitudinal and Cross Sections

TONNAGE OF PROBABLE ORE

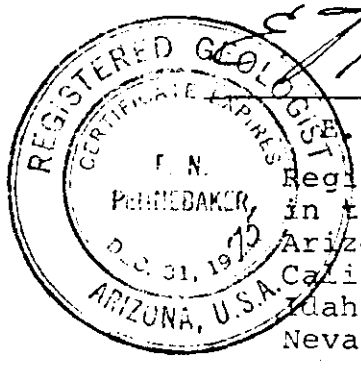
(Ore Body 2)

Cubic Yards	Short Tons	% Pb	% Zn	Combined Pb + Zn
184,855	582,296	2.8	4.6	7.4

TOTAL PROBABLE ORE

(Ore Body 2)

Cubic Yards	Short Tons	% Pb	% Zn	Combined Pb + Zn
1,284,519	4,046,238	3.3	4.9	8.2



E. N. Pennebaker

Registered Geologist
in the States of
Arizona
California
Idaho
Nevada

ORE RESERVE
OF THE
FARO ORE BODIES

INTRODUCTION

The Faro mineralized zone contains two ore deposits. One is the large Faro ore body, made up of what was formerly known as the No. 1 and No. 3 ore bodies; the other is the small Faro ore body, once known as No. 2.

The Faro ore bodies are valuable for their lead, zinc and silver content. A minor amount of copper is also present and some day may become a by-product. The present estimate is for the amount of contained lead and zinc only. From past estimates silver is known to amount to a little over one troy ounce per ton.

The large ore body trends about N40°W and is about 4,800 feet long by 1,500 feet wide in plan view. It varies from about 50 to 300 feet in vertical thickness. It dips gently toward the southwest and plunges irregularly. The large Faro ore body is cross-cut by a steep zone of barren quartz diorite dikes at about its mid-point. This dike zone is about 100 to 200 feet wide at the horizon of the ore zone, and it "robs" the deposit of a considerable amount of ore.

The small Faro ore body is found southeast of the large body, distant about 700 feet. It strikes about N45°W and is approximately 1,600 feet long by 1,000 feet wide. It averages from

about 20 to 50 feet in thickness and dips to the southwest.

In 1967 the writer estimated the tonnage and grade of both the Faro ore bodies based on about 93 vertical diamond drill holes. Since that time some 76 additional holes have been drilled in or near the ore bodies.

The 1967 estimate was made prior to mining. Since then 13.8 million tons of better than average grade have been mined and milled.

The ore bodies are covered and masked by glacial sands and gravels with an average thickness of about 55 feet, under which the ore crops out on the buried bedrock surface. From this sub-outcrop the northwesterly part of the large Faro ore body plunges down to the southeast under bedrock and attains a rock cover of some 300 feet where it meets the dike zone. Beyond the dike zone, to the southeast, it is dropped down about 150 feet. Farther to the southeast the ore body rises toward the surface and approaches it on the far southeast.

METHOD USED IN MAKING THE ESTIMATES

The large Faro ore body was estimated in two segments: one is northwest of the dike zone where the ground is more closely drilled; the other is to the southeast.

For this estimate a set of 11 longitudinal and 19 cross-sections were furnished by Cyprus Anvil's engineering department. These sections showed the profiles of the so-called "L.K. Ultimate Pit," including the profile of the mined section as of

January 1, 1975. Also shown were the vertical diamond drill holes, and bench intervals at 40 foot spacing.

Diamond drill hole logs were supplied, including bench interval average assays at 40 feet (20 feet for the small ore body). The writer did not systematically re-calculate all of these assay averages, but many were re-calculated for various reasons, and it is believed that all such averages are accurate.

From the above data horizontal ore blocks 40 feet thick, from bench to bench, were constructed from the drill holes shown on the sections, each block extending laterally from one drill hole halfway to the adjacent holes shown on a section. The ore body was extended out only 50 feet from marginal holes.

Thus for the purpose of the estimate the ore lenses are distorted to form flat blocks bounded by open pit bench levels. Tonnages so derived are reliable, but the ore has been moved somewhat out of its true position, depending upon the amount of dip and/or plunge of the ore layers.

A cut-off grade of 5.0% combined lead plus zinc was used along with a tonnage factor of 1 cubic yard contains 3.15 short tons of ore in place. This approximately equals 8.50 cubic feet per ton, the factor used in 1967. The specific gravity of the ore is now being given close study, but the results of this study are not yet available. When they are, the following estimates can be adjusted accordingly.

Where a block 40 feet thick averaged below cut-off but was made up of one part below ore grade and another part above ore grade, the ore part was carried into the estimate as ore if the two could be separated by visual differences, such as white barren schist in contact with massive sulfides. In these cases it was assumed that the ore could be separated from the waste and sent to the mill. Otherwise the entire bench interval was considered to be waste.

The ore blocks derived on the cross-sections were measured by scaling where of regular shape or by planimeter if irregular. These measurements were reduced to cubic yards and to tons. The average metal content of the various blocks was then used to obtain the weighted average grade for lead and zinc.

THE ORE

Faro ore is mostly a massive sulfide mixture of pyrite, pyrrhotite, galena, and sphalerite with a little chalcopyrite. A small amount of silver is present, and some barite has been determined to be present. Magnetite is found in places.

A subordinate amount of ore appears as banded or disseminated sulfides in quartzite.

Granular pyrite occurs as lenses and zones of internal waste associated with the massive sulfides, and close-spaced drilling is required to outline them.

RESULTS OF THE ESTIMATE

THE LARGE FARO ORE BODY

The tonnage and grade of the segment of the large Faro ore body lying northwest of the dike zone was derived from some 75 vertical diamond drill holes. Most of these were drilled at the corners of a grid pattern that is 141 feet on a side, but there is some irregularity in the pattern and there are some gaps, where the holes are 282 feet apart.

Southeast of the dike zone, drill hole spacing for the most part is on or close to a 282-foot grid with a few holes at closer but irregular intervals. For this segment the estimate is based on some 45 vertical diamond drill holes.

Because the plunge of the ore layers is somewhat flatter than their dip, ore blocks on the longitudinal sections give a truer picture than do the cross-sections. Furthermore, longitudinal sections cross the barren dike zone at about right angles, whereas it falls between two cross-sections and was not properly considered in the writer's earlier estimates. Consequently the longitudinal sections give a more reliable estimate. Also, it has been determined by the Cyprus Anvil staff that grade zones are more regular along the NW-SE longitudinal direction.

For the large Faro ore body three items were estimated:

1. Ore within the "L.K. Ultimate Pit."
2. Ore below and outside of this pit.
3. Ore layers less than 40 feet in thickness that were

"diluted to waste" by being averaged with the waste making up the remainder of the bench interval.

The results of the estimate for the northwest part of the large Faro ore body by longitudinal and by cross-sections, as of January 1, 1975, are as follows:

	Short Tons	% Pb	% Zn	Pb + Zn
By Cross Sections	15,653,285	3.46	5.73	9.2%
By Long. Sections	15,245,076	3.48	5.80	9.3%
Average	15,449,180	3.47	5.76	9.2%

For the southeast part of the large Faro ore body, as of January 1, 1975:

	Short Tons	% Pb	% Zn	Pb + Zn
By Cross Sections	19,351,127	3.02	4.98	8.0%
By Long. Sections	19,032,207	3.02	5.02	8.0%
Average	19,191,667	3.02	5.00	8.0%

Combining the results from the longitudinal sections for the northwest and southeast sectors we have:

	Short Tons	% Pb	% Zn	Pb + Zn
NW Sector	15,245,076	3.48	5.80	9.3%
SE Sector	19,032,207	3.02	5.02	8.0%
Total	34,277,283	3.22	5.37	8.6%

This is the ore now remaining within the "L.K. Ultimate Pit." These are the figures set forth in the SUMMARY.

For that portion of the large Faro ore body that lies below and outside of the "L.K. Ultimate Pit" we have from the cross-sections:

	Short Tons	% Pb	% Zn	Pb + Zn
NW Sector	2,229,241	3.22	6.31	9.5
SE Sector	5,651,088	2.85	5.69	8.5
Total	7,880,329	2.95	5.87	8.8

From the longitudinal sections:

	Short Tons	% Pb	% Zn	Pb + Zn
NW Sector	1,663,075	3.30	6.45	9.7
SE Sector	5,993,363	2.74	5.50	7.7
Total	7,656,438	2.86	5.70	8.6

This is the ore below and outside of the "L.K. Ultimate Pit." These figures derived from longitudinal sections are set forth in the SUMMARY.

For the ore that is "diluted to waste" we have from the cross-sections:

	Short Tons	% Pb	% Zn	Pb + Zn
NW Sector	332,050	2.80	5.04	7.8
SE Sector	1,383,853	2.52	4.36	6.9
Total	1,715,903	2.57	4.49	7.1

From the longitudinal sections:

	Short Tons	% Pb	% Zn	Pb + Zn
NW Sector	208,340	2.35	4.78	7.1
SE Sector	1,445,662	2.28	4.39	6.7
Total	1,654,002	2.29	4.44	6.7

Results from the longitudinal sections are believed to be the more reliable.

THE SMALL FARO ORE BODY

The tonnage and grade of the small Faro ore body, as yet unmined, were derived from some 45 vertical diamond drill holes.

For the estimate a set of seven N-S and seven E-W sections were furnished by the Cyprus Anvil engineering department. On these were plotted the upper and lower profiles of an open pit with bench levels at intervals of 20 feet. The sections are spaced at 200 feet and run at 45 degrees to the NW-SE trend of the ore body. Consequently an average of the results obtained from the two sets of sections are presented.

The estimate was made for ore within and for ore falling outside of the open pit design provided by the Cyprus Anvil engineering department.

The ore within the pit design, as of January 1, 1975, is as follows:

	Short Tons	% Pb	% Zn	Pb + Zn
N Sections	3,770,087	3.38	4.93	8.3%
E Sections	3,157,797	3.46	5.03	8.5%
Average	3,463,942	3.41	4.98	8.4%

The ore below and outside the pit design is as follows:

	Short Tons	% Pb	% Zn	Pb + Zn
N Sections	479,941	2.65	4.61	7.3%
E Sections	217,349	2.83	4.61	7.4%
Average	582,296	2.76	4.61	7.4%

No estimate was made of "ore diluted to waste" for the small Faro ore body because of the 20-foot bench interval and the scarcity of internal waste.

THE COMBINED ORE BODIES

Within the Two Pit Designs

revised by Cyprus Anvil staff to omit certain areas included by Bennebaker but not currently mineable.

	Short Tons	% Pb	% Zn	Pb + Zn
	32,305,773	3.4	5.7	9.1
Large Ore Body	34,277,283	3.22	5.37	8.6
	3,424,003	3.4	5.1	8.5
Small Ore Body	3,463,942	3.41	4.98	8.4
	35,732,796	3.4	5.6	
Total	37,741,225	3.24	5.33	8.6

Within and Outside the Two Pit Designs

	Short Tons	% Pb	% Zn	Pb + Zn
Large Ore Body	41,933,721	3.16	5.43	8.6
Small Ore Body	4,046,238	3.32	4.92	8.2
Total	45,979,959	3.17	5.38	8.6

ORE "ROBBED" BY DIKE ZONE

That portion of the ore zone invaded by the post-mineral quartz diorite dikes has been estimated by the writer and converted into short tons to give an approximate measure of the ore lost. This amounts to:

3,321,184 short tons

This item can be subtracted from the writer's ore reserve estimate of October 3, 1967.

CATEGORIES OF RELIABILITY

The results of ore reserve estimates are generally grouped in several categories, reflecting varying degrees of reliability. Many terms and definitions have been proposed for these categories, but those set forth many years ago by Herbert Hoover are, in the writer's opinion, the simplest and the best for defining "proved ore" and "probable ore."

Proved ore is defined by Mr. Hoover* as "ore where there is practically no risk of failure of continuity."

Probable ore, according to his definition, "is ore where there is some risk, yet warrantable justificiation for assumption of continuity."

Possible ore is a term generally employed where there are few if any samples or measurements, and where assumed continuity is mostly based on geologic evidence.

*Hoover -- "Principles of Mining", 1909, pg. 19.

These various degrees of reliability were really set up for veins that were exposed in underground mines by drifts, cross-cuts and raises. In the case of large deposits explored by vertical diamond drill holes, the drill holes are analogous to raises, but we are lacking horizontal exposures analogous to those in drifts. Consequently we have to rely on the drill hole spacing considered with respect to the structure and variability of the ore body.

What may seem to be proper drill hole spacing before some mining of the deposit has been carried out may turn out to be too wide after the deposit has been exposed.

This is somewhat the case at Faro where mining has shown the internal waste to be more erratic and more abundant than was originally expected. This problem has been solved, in part, by the holes more recently drilled. Nevertheless, the writer's earlier categories of reliability need to be re-examined.

In the large Faro ore body in the sector northwest of the dike zone, we now have 32 additional holes in addition to the original 43. These and their spacing, along with the experience gained by mining, influence the writer to believe that the ore estimated for the Northwest Sector should now be designated "proved."

In the Southeast Sector, on the other hand, there are only 27 old holes plus 19 drilled since 1970. These are widely spaced (mostly at 282 feet). In view of this, ore estimated for the

Southeast Sector should, in the writer's opinion, be designated as "probable," along with the recommendation that many more holes be drilled at half-intervals to aid in ore control during mining and to provide a more secure ore reserve estimate.

In the small ore body, there are 23 old holes plus 22 new ones. These together give a much better definition of the small ore body than was possible in 1967. Nevertheless, because of the thinness of the ore body, the number of bench intervals that are only partially filed by ore, and with hole intervals greater than 200 feet in a number of places, the estimated tonnage is designated as "probable."

DISCUSSION

The writer's estimate of reserves of the large Faro ore body in the "L.K. Ultimate Pit" (34.3 million tons @ 3.2% Pb and 5.4% Zn) is larger than that estimated by Cyprus Anvil engineering department (32.3 million tons @ 3.4% Pb plus 5.7% Zn). These are about equal as regards the gross poundage of lead plus zinc (294.8 million vs. 293.93 million grade tons).

The larger ore tonnage of the writer is probably due to his including in the reserve many ore blocks whose vertical thickness is less than the bench interval of 40 feet. To realize this tonnage sharp ore control will need to be exercised during mining.

The writer's estimate of ore below and outside of the "L.K. Ultimate Pit" (7.7 million tons by longitudinal section or 7.9 million tons by cross-sections) is much greater than that estimated by the Cyprus Anvil engineering department (3.1 million tons). This is possibly because the writer's estimate includes a great many small blocks below all parts of the ore body. It is not confined to places where the outside ore is abundant and offers the best opportunities for being included in a revised pit design. Obviously, all of the writer's tonnage cannot be recovered in a modified open pit layout.

The writer's estimate for the small ore body (4.0 million tons) is less than that obtained in 1967 (5.2 million tons). This is because the more recent drilling has invalidated some of the longer projections made in 1967 and because for the present estimate ore was projected only 50 feet beyond marginal holes.

The writer's estimate of ore "lost" in the dike zone (3.3 million tons) is greater than that obtained by Cyprus Anvil's engineering department (2.2 million tons). Probably the Cyprus Anvil tonnage was derived from more geologic information than that used by the writer, and the figure of 2.2 million tons is accepted.

In the writer's 1967 estimate the large Faro deposit was estimated as a geologic body (not confined to a given pit layout) and without dilution. Thirty percent of the estimated internal waste was then added as a diluent.

In the present estimate, the averaging of assays for bench intervals gives a certain amount of "built in" dilution. Additional dilution for interfaces where the ore block is less than 40 feet (20 feet for the small ore body) and for dilution at the lateral ends of blocks have not been taken because Cyprus Anvil's mining is very close to expected grade. Consequently, as far as dilution is concerned, the writer's figures should be between the 1967 undiluted and diluted ore.

If ore block data from the writer's sections of the large ore body are projected onto bench level plans, the longitudinal sections should be favored.

RECONCILIATION

The present minable reserves do not include all of the ore embraced by the writer's 1967 estimate. Excluded items are ore outside of the open pits, the tonnage mined out, ore stored in stockpiles, and ore "diluted to waste." The ore "robbed" by the dike zone was also not apparent in 1967. These various items are summarized below.

	Million of Tons	E.N.P. 1967 Estimate
Reserves, 1/1/75		
Large Ore Body	34.3	
Small Ore Body	3.5	
Ore Outside of Pits		
Large Ore Body	7.7	
Small Ore Body	0.6	
Ore mined and milled	13.8	
Ore in stock piles	2.4	
Ore lost in dike zone	2.2	
Ore "diluted to waste"	1.7	
	66.2	62.1 Not Diluted 63.5 Diluted
If we accept the Cyprus Anvil tonnage of ore outside the "L.K. Ultimate Pit" as mostly recoverable (3.1 million tons), the total is	61.6	

RECOMMENDATIONS

1. Review the open pit design to determine how much of the ore below and outside of the "L.K. Ultimate Pit" can be recovered.

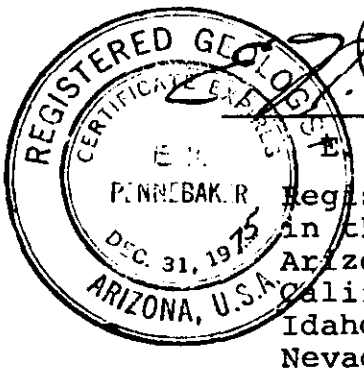
2. Also determine if bench intervals less than 40 feet are economic. It may be possible to recover more of the reserve if this be feasible.

3. The small ore body is still open on the southeast. Drill the holes proposed in this area by the writer in 1967.

4. Segregate the low-grade sulfide waste in a separate stockpile. In the future it may become valuable. The available tonnage and grade of this material can be readily estimated from the sections submitted.

5. Only carry ore reserves for a few years "by subtraction of annual production." Re-estimate every two or three years.

6. Drill the Southeast Sector of the large Faro ore body at intermediate locations to facilitate ore control during mining and to improve the reserve estimate.



E. N. Pennebaker
Registered Geologist
in the States of
Arizona
California
Idaho
Nevada

APPENDIX

The copy of this report going to the engineering department of Cyprus Anvil has at its back the summary calculation sheets for the estimate.

Also, a full set of ore body sections will be delivered to the engineering department.

The following legend applies to the calculation sheets and to the sections:

Material	Abbreviation	Color on Sections
Sulfide ore, NW Sector of large Faro ore body	NWS	Yellow
Sulfide ore, SE Sector	SES	Yellow
Sulfide waste	ws	Bright green
Parts of sulfide waste above cut-off	Dotted	Bright green
Sulfide ore outside of "L.K. Ultimate Pit"	WSB&ESB	Red
Sulfide waste outside of "L.K. Ultimate Pit"	ws	Grayish green or uncolored
Sulfide ore, small Faro ore body	S	Yellow
Sulfide ore, small Faro ore body, outside of pit	B	Red
Ore "robbed" by dike zone	Cross-hatched	Red
Rock waste	w	Uncolored

Section 112

Factor 3.5

Within Ultimate Pit Outline

Block Volume	Tonnage	% Pb	% Zn	Tonnage x Pb %	Tonnage x Zn %
2,010	7,037	4.18	7.90	29,414	55,592
799	2,797	4.78	9.34	13,367	26,119
783	2741	1.0	2.57	2,741	7,046
44,076	154,264	4.3	7.70	663,337	1,187,836
27,547	96,415	1.50	3.11	144,622	299,851
(11,018)	(38,566)	(0.39)	(0.65)		
50759	177,658	6.78	10.05	1,204,519	1,785,460
58906	206,173	5.08	6.43	1,047,360	1,325,694
43867	153,533	3.69	5.03	566,537	772,272
58906	206,173	3.06	4.47	630,890	921,594
58906	206,173	3.46	5.40	713,359	1,113,336
58906	206,173	4.90	7.07	1,010,249	1,457,645
3342	11,698	2.28	4.19	26,670	49,014
8773	30,706	4.02	6.98	123,441	214,332
38,853	135,987	3.23	5.92	439,237	805,041
44,076	154,264	5.46	9.98	842,283	1,539,559
44,076	154,264	2.33	5.45	359,436	840,741
26,320	92,120	2.07	4.27	190,688	393,352
11,541	40,394	1.48	3.90	59,783	157,536
26,320	92,120	1.59	4.26	146,471	392,431
29,453	103,086	1.95	6.46	201,019	665,940
26,320	92,120	1.80	5.53	165,816	509,424
8355	29,244	4.07	8.39	119,024	245,361
15463	54,121	3.30	6.92	178,598	374,513
9139	31,986	1.80	5.05	57,575	161,530
697,496	2,441,247	3.66	6.27	8,936,436	15,301,219

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Section 124 — Ore within Ultimate Pit — Factor 3.5

Volume	Tonnage	% Pb	% Zn	Tonnage x % Pb	Tonnage x % Zn
52,953	185,337	3.08	4.88	570,837	904,442
103,400	361,900	2.73	3.89	987,987	1,407,791
114,889	402,111	3.66	4.74	1,471,727	1,906,007
40,211	140,739	2.86	4.88	402,513	686,806
59,533	208,367	3.53	2.90	735,534	604,263
80,370	281,295	3.78	7.76	1,063,295	2,182,849
119,067	416,733	2.68	6.33	1,116,845	2,637,922
12,220	42,770	1.50	4.78	64,155	204,441
108,204	378,716	1.45	4.18	549,138	1,583,031
116,978	409,422	3.16	4.59	1,293,774	1,879,248
807,825	2,827,390	2.92	4.95	8,255,805	13,996,800

Agrees within 2% with E.N.P.

090941

Cyprus Anvil Mining Corporation

Post Office Box 1000
Faro, Yukon Territory
Y0B 1K0
Telephone 403) 994-2600

Telex 036-8-208

May 22, 1975

Dr. D. B. Craig
Yukon Resident Geologist
Building 200, Takhini
Whitehorse, Yukon Territory

Dear Doug:

Last October your department removed 335 boxes of core from the Cyprus Anvil property to be stored in the H.S. Bostock Core Library in Whitehorse. At that time, you requested any additional geological information that we could provide.

Better late than never! Please find enclosed the following:

1) Copies of the original drill logs for the holes removed

2) A geological interpretation of Section 22

3) A 1971 pit geology plan

I hope you will find this material a useful complement to the core. Sorry for any inconvenience caused by the delay.

Yours sincerely,

Daryl Hanson

D. J. Hanson
Mine Geologist

DJH/mm

Encs.

CYPRUS

Hole #	Interval	No. of boxes
66-8	Complete	90
66-15	"	24
66-17	309 - 414	8
66-18	Complete	24
66-26	350 - 556	16
66-33	Complete	24
66-35	"	27
66-44	"	32
		246

Holes not picked up:

* 66-4 ✓	~ 44
(66-54	~ 40)
* 66-2 ✓	~ 20
* 66-25 ✓	~ 22
(67-34	~ 40)
	~ 169

65-8
65-13
65-5A
65-11

} These holes were not located

* These holes were picked up Oct. 23/74

Total No. boxes: 335 (oct 23/74)

N

(2 0 0 E 0)

Anvil Drill Holes

SECTION 112

66-8 (1300 Ft)
66-4 (703 Ft)
66-35 486
66-18 486
65-8 615
66-26 350 - 556 } desired intervals
66-54 400 - 500 }

65-13 418

66-33 bott

66-7 581

65-5A bott

66-15 463

65-11 555

66-44 600

66-25 ~420

67-34 604

66-17 Botton 100 Ft.

1 Sect 22 - with deletions
1 Pit Plan
1 Set. 112

LOCATION Zone 1
SECTION -
CO-ORDINATES (N) - 9,599.70 (E) - 13,999.88
ELEVATION 4,136.93
PROPERTY Faro

DIAMOND DRILL CORE LOG

CORE SIZE - NQ to 307
AXF to 581

DDH 66-2
DIP 90°
STARTED JAN 8, 1966
FINISHED FEB 1, 1966

Logged by D.W. Tully

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	MINERALIZATION
0	85	Overburden (NX casing to 98' - H casing to 30')	
	97.1	(150 feet NQ rods recovered - 157 feet left in hole) Hornfels, dark bluish grey, brecciated, blocky	
			Lost core
	102.0	Hornfels with quartz veining and graphitic schist	
			Lost core
	115.0	Hornfels, dark grey, brecciated and foliated.	
			Lost core
	213.0	Hornfels, pale grey, brecciated and foliated, some calc-silicate introduced, fault zones and quartz veining at 120-122, 130-146, 163-172, 182-192, 204-213. talc noted on shear planes, shearing at 35-50° CA, some augen-like structures or fragments, fine pyrite at 165', fine galena and quartz 201 - 204'.	Lost core
	217.7	Hornfels, pale grey, sericitized, sheared at 50-70° CA, fine pyrite seams filling and replacing host rock.	
	222.5	As above.	
	226.0	As above	
	230.8	As above, sericitized, with calc-silicate veining and fine pyrite.	
	240.0	As above, sericitized, weak veining and 1" pyrite seam at 239' (core ahead of footage tags - 3.0' at 240').	
	244.9	As above with calc-silicate veining and fine dark mineralization.	
	249.7	As last sample.	

LOCATION .....
SECTION .....
CO-ORDINATES (N) - (E) -
ELEVATION .....
PROPERTY Faro

DIAMOND DRILL CORE LOG

66-02

Logged by .....

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	MINERALIZATION
249.7	254.6	As last sample.	
	259.0	As above with graphitic zones and fine pyrite.	
	264.0	Lost core (accumulated loss from 213')	
	269.0	Hornfels and graphitic schist zones with calc-silicate veining at 60° CA, some fine pyrite.	
	274.0	Hornfels, pale bluish grey - 25% mineralization	
	278.8	50% pyrite with fine sphalerite and galena, remainder hornfels remnants.	
	283.6	Massive sulphides, fine sphalerite and galena, possibly fine magnetite, few quartz remnants.	
	288.5	As last sample with evidence of two ages of pyrite.	
	293.2	Graphitic schist, dragfolded, pyrite seams.	
	297.8	" " " " very blocky.	
	302.0	Hornfels, sericitized, blocky, sheared at 45°CA, fine disseminated galena, sphalerite and pyrite in hornfels.	
	307.0	75% massive sulphides, hornfels remnants 25% with disseminated galena, considerable sphalerite.	
		NOTE: (1) Core is 2.0' ahead of footage tags at this point.	
		(2) NQ rods stuck in hole at 307'. Hole continued with AXF rods inside NQ - AXF core below.	
	314.0	Open fault zone	No core
	317.0	Massive sulphides, mostly pyrite, very blocky.	
			Lost core
	322.0	Ditto, fine dark mineral visible.	Lost core
	327.0	Ditto, more sphalerite and galena with fine magnetite.	Lost core

LOCATION .....
SECTION .....
CO-ORDINATES (N) - (E) -
ELEVATION .....
PROPERTY Faro .....

DIAMOND DRILL CORE LOG

66-02

Logged by .....

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	MINERALIZATION
327	332.0	Ditto, sphalerite, galena, magnetite, quartz	
		vein remnants.	Lost core
	337.0	As last sample	
			Lost core
	342.0	As last sample	
	347.0	As last sample with more pyrite.	
	352.0	Considerable sphalerite and galena, very blocky.	
	357.0	Massive sulphides with Zns - Pbs	
			Lost core
	362.0	" " " " "	
			Lost core
	367.0	" " vuggy, blocky, quartz veining.	
			Lost core
	372.0	As last sample.	
			Lost core
	377.0	" " " pyrite content increasing.	
			Lost core
	382.0	Massive pyrite, coarser-grained, minor Zns - Pbs.	
			Lost core
	387.0	Massive pyrite, similar to last sample	
			Lost core
	392.0	Massive sulphides, sphalerite, galena, magnetite.	
			Lost core
	397.0	As last sample	

LOCATION .....
SECTION .....
CO-ORDINATES (N) - (E) -
ELEVATION .....
PROPERTY Faro

DIAMOND DRILL CORE LOG

66-02

Logged by .....

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	MINERALIZATION
397	402.0	As last sample, very blocky, considerable	
	407.0	sphalerite and galena in bands. Massive sulphides, more pyrite, very blocky.	
			Lost core
	412.0	Massive sulphides, disseminated sphalerite and galena.	Lost core
	417.0	As last sample with minor hornfels inclusions.	
			Lost core
	422.0	Ditto, pyrite dominant and coarser-grained.	
	427.0	Ditto, as last sample, disseminated Zns - Pbs	Lost core
	432.0	variegated Ditto,/salt and pepper aspect, blocky.	
			Lost core
	437.0	As last sample.	
	442.0	As last sample with more Pbs - Zns.	Lost core
	447.0	As last sample with more Pbs - Zns	
			Lost core
	452.0	Ditto with hornfels inclusions and very blocky.	Lost core
	457.0	Ditto with hornfels inclusions and very blocky.	
			Lost core

457	462.0	Ditto - massive coarsely crystalline pyrite.	
		MUD SEAM REPORTED	Lost core
	467.0	Mostly massive crystalline pyrite - blocky.	Lost core
	472.0	Ditto with porous, vuggy areas.	
			Lost core
	477.0	Same as last sample with hornfels inclusion.	Lost core
	482.0	Same as last sample.	
			Lost core
	486.0	Same as last sample, very blocky.	Lost core
	490.0	Hornfels, slaty banded phase, blue-grey,	
		sphalerite and galena in fine seams and disseminations.	Lost core
	495.0	Ditto	
	500.0	60% massive sulphides, fair Zns - Pbs.	
	506.0	Hornfels blue grey phase, disseminated Zns -Pbs with fine quartz veining.	
	511.0	As last sample.	Lost core
	516.0	As last sample.	

FORM NO. 2 DE (WS) 9/10/65

		END OF HOLE	
		% Recovery - (Overall - 76.6) (NQ - 76.4)	(AXF - 75.9)
		SLUDGES ON FILE	

FORM NO. 2 DE (WS) 9/10/65

DIAMOND DRILL CORE LOG

LOCATION Zone 1
SECTION -
CO-ORDINATES (N) - 9,999.70 (E) -14,000.00
ELEVATION 4,275 4192.75
PROPERTY Faro

DDH 66-04
DIP: 90°
STARTED Feb. 1,/66
COMPLETED Feb 22/66

CORE SIZE NQ

Logged by D.W. Tully

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION (66-36)	MINERALIZATION
0	46	Overburden (NX casing removed from hole)	
	76.0	Hornfels, brown biotite phase, very rusty along	
		fractures, sericite common, schistose at	Lost core
		30 - 55° CA. Fault zones 62-69, minor quartz	
		veining.	
	90.0	Hornfels, brown biotite phase, augen-textured	
		sericitized.	Lost core
	92.5	Fault zone	
			Lost core
	139.5	Hornfels as above, augen-textured, crenulated	
		mylonitized, minor quartz veining increasing	
		downward, rusty fractures at 98', 111-113'.	
	189.0	Hornfels, pale grey, brown biotite subordinate	
		to absent, fragments suggest augen-structure,	Lost core
		highly sheared and blocky at 45° (FAULT ZONE)	
	216.0	Ditto with less shearing at varying angles.	
			Lost core
	219.0	Fault zone - schistose and friable	
			Lost core
	233.0	Hornfels, brown biotite plus garnetiferous	
		augens or fragment-like structures, more	
		sericite towards bottom of section.	
	238.0	Sericite schist and quartz, pyrite in fine seams	
		and aggregates	Lost core

LOCATION .....
SECTION .....
CO-ORDINATES (N) - (E) -
ELEVATION .....
PROPERTY Faro

DIAMOND DRILL CORE LOG -

66-04

Logged by .....

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	MINERALIZATION	SAMPLE NO.
238	243.0	As above - grading to blue-grey hornfels with disseminated sphalerite towards bottom of sample.	Lost core	063
	248.0	Hornfels, blue-grey phase, 40% pyrite with		063
		minor spahlerite, galena mineralization.	Lost core	
	253.0	90% massive pyrite with weak Pb - Zn mineralization	Lost core	063
	258.0	95% massive pyrite as last sample		064
			Lost core	
	263.0	Sericite and hornfels with finely disseminated pyrite	Lost core	064
	302.0	Hornfels, highly sericitized, augen-textured,		-
		minor quartz veining, associated pyritic seams, some schistosity at 50 - 80° CA.	Lost core	
	306.0	Fault zone in sericite schist with quartz		065
		veining with minor pyritic mineralization, some talcost material in fault gouge.	Lost core	
	311.0	Massive sulphides, few hornfels remnants, fine		070
		sphalerite and galena, very blocky	Lost core	
	316.0	Ditto	Lost core	070
	321.0	Ditto		070
			Lost core	
	326.0	Ditto		070

LOCATION .....
SECTION .....
CO-ORDINATES (N) - (E) -
ELEVATION .....
PROPERTY Faro

DIAMOND DRILL CORE LOG

66-04

Logged by .....

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	MINERALIZATION
326	331.0	Massive sulphides, few hornfels remnants, fine sphalerite and galena, very blocky	Lost core
	336.0	Ditto	
			Lost core
	341.0	Ditto	Lost core
	346.0	Ditto	
			Lost core
	351.0	Ditto	Lost core
	356.0	Hornfels and sulphides, very blocky	
			Lost core
	361.0	Massive sulphides, finely divided sphalerite - galena pyrite coarser-grained.	Lost core
	366.0	Ditto	
			Lost core
	371.0	Ditto, blocky, porous, crumbly	Lost core
	376.0	Ditto as last sample (footage tags wrongly	
		placed in core box)	
	381.0	" " " " " " "	
	386.0	" " " " " " " hornfels, remnants ,	

LOCATION .....
SECTION .....
CO-ORDINATES (N) - (E) -
ELEVATION .....
PROPERTY Faro

DIAMOND DRILL CORE LOG

66-05

Logged by .....

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	MINERALIZATION
386	391.0	Ditto as last sample hornfels remnants	
	396.0	" " " " " "	Lost core
	401.0	" " " " " "	
			Lost core
	406.0	" " " " " "	Lost core
	411.0	Massive sulphides, minor quartz veining	
	416.0	Ditto	
			Lost core
	421.0	Ditto	Lost core
	426.0	Massive sulphides, lesser amounts ZnS - PbS, crumbly and porous, blocky	
	431.0	Ditto	Lost core
	436.0	Ditto	
	441.0	Ditto with increasing Zns - Pbs	
			Lost core
	446.0	" " " " ", blocky	Lost core

LOCATION .....
SECTION .....
CO-ORDINATES (N) - (E) -
ELEVATION .....
PROPERTY ..... Faro .....

DIAMOND DRILL CORE LOG

66-04

Logged by .....

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	MINERALIZATION	S
446	451.0	Ditto with increasing Zns - Pbs, blocky	Lost core	
	456.0	Ditto, very blocky		
			Lost core	
	461.0	"		
	466.0	Ditto, blocky and porous	Lost core	
	471.0	Ditto, " " "		
			Lost core	
	476.0	Ditto, blocky, coarser-grained pyrite.	Lost core	
	481.0	" " " " "		
			Lost core	
	486.0	" " " " "	Lost core	
	491.0	Ditto, very blocky, vuggy areas, coarse-grained pyrite		
			Lost core	
	496.0	Ditto, blocky, porous, coarse-grained pyrite	Lost core	
	501.0	" " " " " "		
			Lost core	
	506.0	" " " " " "	Lost core	

LOCATION .....
SECTION .....
CO-ORDINATES (N) - (E) -
ELEVATION .....
PROPERTY Faro

DIAMOND DRILL CORE LOG

66-04

Logged by .....

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	MINERALIZATION
506	511.0	Ditto, blocky, porous, coarse-grained pyrite	
	516.0	" " " " " "	
	521.0	" " " " " "	
	526.0	" " " " " "	Lost core
	531.0	Ditto, blocky, pyrite finer-grained	
			Lost core
	536.0	" " " fine-grained	Lost core
	539.0	" " " " "	
	545.0	Hornfels, grey, calc-silicates, talcose,	
		sericitized, sheared at 45° CA, sparse Pb - Zn mineralization	
	550.0	As above, bullish quartz veining, Pb - Zn pyrite	
		(weak) mineralization in fractures.	Lost core
	555.0	Ditto	Lost core
	560.0	Ditto	Lost core
	565.0	Ditto with massive sulphides (561 - 562)	
			Lost core
	570.0	Ditto, sparse mineralization, sheared at 60° CA	Lost core

LOCATION .....
SECTION .....
CO-ORDINATES (N) - (E) -
ELEVATION .....
PROPERTY ..... Faro .....

DIAMOND DRILL CORE LOG

66-04

Logged by .....

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	MINERALIZATION
570	583.0	Sericite schist and hornfels, calc-silicates	
	588.0	Ditto, bullish quartz veining, fracture filling with fine Pb - Zn pyrite	
	593.0	As last sample	
	598.0	As last sample	
	628.0	Sericite schist and hornfels, weak sulphide mineralization in fractures associated with quartz veining 620 - 628'.	
	703.0	Hornfels and sericite schist, augen-like structures of brown biotite and possibly garnets common through section, sericitized zones dominant, shearing and foliation at 45 - 70° CA. Greenish alteration associated with shearing at 653-654', minor quartz veining.	Lost core
		END OF HOLE	
		% Recovery (Total hole - 88.6) (Ore zone 82.6)	
		Sludges on file.	

FORM NO. 2 DE (WS) 9/10/65

ANVIL MINING CORPORATION LIMITED
Whitehorse, Yukon
99° dip
PROPERTY NAME FARO ZONE Nº I
LOCATION ROSE CREEK YUKON
DATE DRILLED MARCH 12 - 1966
SCALE OF LOG 1" = 40' LOGGED BY R.S.A DATE
Assayed sec. 1" = 10' 235—550

HOLE NO. 66-8. DEPTH 1382'
COLLAR ELEVATION 4189.49 NQ CORE
BEARING (MAG OR TRUE
CO-ORDINATES 9799.61 N. 13,798
SURFACE OR UNDERGROUND
TOTAL RECOVERY 1365.3 or 99 %
IN ORE 230.1 or 95.5 %

ROCK TYPES AND ALTERATION	MINERALIZATION AND STRUCTURES	FOOTAGE BLOCKS
OVERBURDEN 0 - 86' Nx casing to 98' 80'		
86'		
METAPHYLLITE AUGEN 86-107, clots of biotite with 104' minor garnet developments in clots.	98' Mud seam reported	98
BIOTITE SCHIST same as previous formation except no 120' clotting, increased foliation.	Intensely crenulated & dragfolded to 120', foliation indefinate	108 118
125'		123½
SERICITE - QUARTZ SCHIST pale gray with local patches & bands 144' of biotite.	120—160 Foliation — 25° moderately dragfolded Sulfide lenses up to ¼" 139-144' ZnS, Py	127½ 137 147
SERICITE BIOTITE SCHIST 160' med. Brn. well foliated to almost a schist biotite banding with considerable sericite 200'	160-200 Foliation - 40° Local dragfolding	153 159½ 170½ 177 184½ 195 199
228 contact gradational	200 - 240 Foliation - 30°	201 206 209 211 216 221
235 SERICITE SCHIST 240 very sericitic, pale gray — becomes darker as formation grades into graphitic schist 250	240—280 Foliation - 30°	231 235 244

ANVIL MINING CORPORATION LIMITED Whitehorse, Yukon

PROPERTY NAME FARO ZONE Nº 1 HOLE NO. 66-8 SCALE OF LOG 1" = 4' ASSAY

ROCK TYPES AND ALTERATION	MINERALIZATION AND STRUCTURES	FOOTAGE BLOCKS	%
		253	14
260			
		262	
265			1
GRAPHITE SCHIST		267½	
270		268½	
272.5		273	
GRAPHITIC PHYLLITE limy bands	272.5 - 286 Bands of massive sulfide may selectively replace limy	278	10
280			
	horizons in phyllite	281	
286	pyrite bands in phillite Foliation -20°		
PHYLLITE? bleached ?		288	9
290			
Gray white thin banded largely replaced by sulfides	Bedded Sulfides almost massive to 303.4 At 303.4 "Massive" sulfides except for local patches of bleached phyllite (?)	297½	
300			
301.4 - 303.4 LS Bx., matrix replaced by sulfides			
310			
		315	
320			

ANVIL MINING CORPORATION LIMITED Whitehorse, Yukon

PROPERTY NAME FARO ZONE No 1 HOLE NO. 66-8 SCALE OF LOG 1" = ASS

ROCK TYPES AND ALTERATION	MINERALIZATION AND STRUCTURES	FOOTAGE BLOCKS	%
330	Sulfides distinctly bedded in many places 320-360 Replacement banding ~20°	322	1
340		331 335	1
350		345	100
360		257½ 358	10
relicts to 470 370	recognizable sulfide massive texture, characterized by oolitic texture of pyrite	367	C
380		377½	C
390		387	C

ANVIL MINING CORPORATION LIMITED Whitehorse, Yukon

PROPERTY NAME FARO ZONE No. 1 HOLE NO. 66-8 SCALE OF LOG 1" = ASSA

ROCK TYPES AND ALTERATION	MINERALIZATION AND STRUCTURES	FOOTAGE BLOCKS
		391
		394
400		
		400½
	400-440 Sulfides massive	
		407
410		
		411
		417
420		
		425
430		430
		437
440		439
		441
	440-480 Sulfides massive hint of ghostly flat banding	
		448
450		
		453½
460		460

PROPERTY NAME FARO ZONE No. 1 BEARING — (MAG OR TRUE DIP -90°

LOCATION ROSE CREEK, YUKON CO-ORDINATES 10,199.88 N. 13,400.09 E.

DATE DRILLED MAR. 20th. TO APRIL 11th., 1966 SURFACE X OR UNDERGROUND

SCALE OF LOG 1" = 40' LOGGED BY DATE TOTAL RECOVERY 341.3 = 87.7 %

ORE SEC. 1" = 10' (240-455) IN ORE 170.1 = 87.2 %

ROCK TYPES AND ALTERATION	MINERALIZATION AND STRUCTURES	FOOTAGE BLOCKS	% RECOVERY	SAMPLE NO.
0 - 74 OVERBURDEN				
40				
74		74		
80 PHYLLITE	6 - 0	80	100	
Black thinbedded to 93 then becomes increasingly sericitic and lighter coloured grey	14 - 120 Foliation - 40°	88	100	
	6.6 - 1.4	89	96.3	
	1 - 0			
	7.7 - .3	97		
	10 - 0		100	
	2 - 0	107	100	
	7 - 1	109	87.5	
120		117		
	120 - 160 Foliation - 40°			
	10 - 0	127	100	
	2.8 - .2	130	93.3	
136	5.4 - .6	136	90	
QUARTZ SCHIST	1.4 - .6	138	70	
increasing sericitic down section	5.5 - 2.5		68.7	
	Broken core & gg at 145 to 146 3.5 - .4	146	88.6	
	6.0 - .5	149½	92.3	
160	1.2 - .3	151½	80	
	160 - 200 Foliation - 50°			
	9.5 - 0		100	
	cragfolding near faults 2.7 - 2.3	167	54	
		172		
	8.0 - 1.0		88.9	
		181	100	
195		188		
200 SERICITIC METAPHYLLITE	7.0 - 0	195	100	
	FAULT gg 195 to 196 5.3 - 3.2		62.4	
208 somewhat brn. biotitic banded	200 - 240 Foliation - 60°	203½		
SERICITIC QUARTZ SCHIST	9.5 - 0		100	
		213		
	10.0 - 0		100	
	1.5 - 0	223	100	
	1.0 - .5	224½	66.6	
		226	100	
	6 - 0	234	100	
240		240		

TION LIMITED

ZONE Nº1

KON

to APRIL 2-1966

GED BY R.S.A. DATE APRIL 1966

HOLE NO. 66-17 DEPTH 414

COLLAR ELEVATION 4359.89 CORE SIZE NQ INCLINATION TESTS

BEARING — (MAG OR TRUE DIP -90° At 400' hole deviated from -90° to -88° 30'

CO-ORDINATES 10,801.74 N. 12,800.82 E.

SURFACE — OR UNDERGROUND

TOTAL RECOVERY 354.6' = 98%

SHEET 1 OF 2

ALTERATION	MINERALIZATION AND STRUCTURES	FOOTAGE BLOCKS	% RECOVERY	SAMPLE NO.	INTERVAL FROM	INTERVAL TO
		52				
stals and black		57 65 66 76	100%			
a granodiorite e		83 88 95 99 105 106 116	100%			
		125 135 140 147 155	100%			
		162 168 176 186 192½ 198½	100%			
l alteration		205½ 215 216 222 232 238	100%			

ION LIMITED Whitehorse, Yukon
ZONE Nº 1 HOLE NO. 66-17 SCALE OF LOG 1" = 40'

LTERATION	MINERALIZATION AND STRUCTURES	FOOTAGE BLOCKS	% RECOVERY	SAMPLE NO.	INTERVAL FROM	INTERVAL TO
with on 233-288		247 258 263 258 263 268 278	100%			
288-305 326		288 295 305 315 316	100%			
eration ite ?		326 332 333	100% 100% 100% 26%			
	340.0 - 349.7 Massive MAGNETITE, minor quartz gangue, minor dissem. pyrite & very minor chalco-pyrite	343 348 356 359½	100%			
	Brecciation from 349.7 to 402.9 minor blebs & stringers of Fe_2O_3 in Bx 381.1 - 382.3 MASSIVE MAGNETITE Contacts of Fe_2O_3 indefinate and gradational	364 371 380 385 395	100%			
	END OF HOLE	404 414	100%			

ANVIL MINING CORPORATION LIMITED
Whitehorse, Yukon
PROPERTY NAME FARO ZONE Nº 1
LOCATION ROSE CREEK, YUKON
DATE DRILLED MAR. 31st. to APR. 13th. 1966
SCALE OF LOG 1" = 40' LOGGED BY D.M. DATE APR. 9/66
1" = 10 from 112-240

HOLE NO. 66-18 DEPTH 486'
COLLAR ELEVATION 4180.55 CORE NQ
BEARING — (MAG OR TRUE 90° D
CO-ORDINATES 10,199.67 N. 14,199.9
SURFACE ✓ OR UNDERGROUND
TOTAL RECOVERY 335.5 = 89.8 %
Total Recovery in ore 59.7' = 94.6 %

ROCK TYPES AND ALTERATION	MINERALIZATION AND STRUCTURES	FOOTAGE BLOCKS
0		
0-112' OVERBURDEN DIP = 45°		
40		
80		
	1.0 - 0	112
	1.0 - 0	113
	3.0 - 0	114
112		117
120 QUARTZ SCHIST		
Weakly foliated almost banded Quartzite. Medium light grey in colour becomes increasingly darker	120 - 160 Foliation - 50° 8.2-1.8 Massiv sulphides become banded sulphides 125 - 130; Massive 130 - 137.5	127
130		
	12.0 - 0	
137.5 contact gradational		
140 SERICITE SCHIST	1.5 - 0	139
buff white colour, some minor banding		140.5
	6.5 - 0	
		147
150	4.0 - 0	

ANVIL MINING CORPORATION LIMITED Whitehorse, Yukon

PROPERTY NAME FARO ZONE No. 1 HOLE NO. 66-18 SCALE OF LOG 1" = 4

ROCK TYPES AND ALTERATION	MINERALIZATION AND STRUCTURES		FOOTAGE BLOCKS	%
150				
		2.8 - 0.2	151	93
			154	
		4.0 - 0.5		88
160		3.2 - 0	158.5	100
	160 - 200 Foliation - flat lying	2.5 - 0	161.5	100
			164	
		2.3 - .7		76
			167	
170		3.4 - .6		85
	MASSIVE SULPHIDES 169.5 - 192.0 cut off by fault	2.0 - 0	171	100
		1.0 - 0	173 174	100
		3.6 - .4		90
180		2.0 - 0	178	100
			182	
		2.0 - 0	184	100
		3.5 - 0		100
190		3.5 - 0	187.5	100
192				
SERICITE QUARTZ SCHIST local & minor biotite banding & biotite clotting, buff-grey in colour	192 - 193 Fault zone, Gouge, - 20° cuts off mineralization	2.0 - 0	191 193	100
		5.0 - 0		100
200			198	
	200 - 240 Foliation - flat lying minor foliation - 40° drag folding & crenulations around 240°	6.5 - 0		100
		3.4 - .1	204.5	97.1
	200.3 - 204, 213 - 215.5 Disseminated sulphides			
210	204 - 213 MASSIVE SULPHIDES		208	
		5.0 - 0		100
		2.9 - .1	213	96.7
218	215.5 - 218 Gouge & Brecciation - 55° Fault zone	2.0 - 0	216	100
220 SERICITE, QUARTZ SCHIST			218	

ANVIL MINING CORPORATION LIMITED
Whitehorse, Yukon

PROPERTY NAME FARO ZONE No 1
LOCATION ROSE CREEK, YUKON.
DATE DRILLED APRIL 20, 1966 APRIL 28, 1966
SCALE OF LOG 1" = 40' 1" = 10' in ore zone LOGGED BY D.M. DATE MAY 1/66.

HOLE NO. 66-25 DEPTH 396'
COLLAR ELEVATION 4321.21 CORE SIZE
BEARING — (MAG OR TRUE DIP
CO-ORDINATES 10,601.28 N. 13,000.27
SURFACE ✓ OR UNDERGROUND
TOTAL RECOVERY 298.1 = 90.01%
Total Recovery - Ore Zone = 90.05%

0 ROCK TYPES AND ALTERATION	MINERALIZATION AND STRUCTURES	FOOTAGE BLOCKS	% RECOVERY
0-65 OVERBURDEN			
40			
65			
BANDED QUARTZITE - light grey in color, hydrothermal quartz., sericitic rusty stained	Foliation -60° to -50°	67 72.5 79.0	100%
80			
At 73' QUARTZITE, not banded, light blue grey in color, sericitic in places, rusty stained, hydrothermal quartz	91.0 to 98 FAULT ZONE, broken core, brecciation	85 90.5 97. 99 104 107 109 112 115	C C 2.0 C C C C C
110			
QUARTZ VEIN - bull quartz	Quartz vein, mineralization in fractures	117 119 122.0 123.0 125	C 10 C 0.5 0.5
125 126			
QUARTZITE - vuggy, light grey in color.	Banded and disseminated sulphides 126-138	129 130	3.5 0.5
136			3.2
	138-159.0 Weak sporadic sulphides	141	
146	145.5-146.5 FAULT ZONE, brecciation, gouge, slight alteration		8.3

ANVIL MINING CORPORATION LIMITED
Whitehorse, Yukon

PROPERTY NAME FARO ZONE No. 1
LOCATION ROSE CREEK YUKON
DATE DRILLED APRIL 29, 1966 to MAY 18, 1966
SCALE OF LOG 1" = 40' 1" = 10' in ore zone LOGGED BY D.M. DATE May 17/66

HOLE NO. 66-26 DEPTH 556'
COLLAR ELEVATION 4150.05 CORE SIZE N/C
BEARING —— (MAG OR TRUE DIP ——
CO-ORDINATES 9,399.91 N. 13,397.87 E.
SURFACE ✓ OR UNDERGROUND ——
TOTAL RECOVERY 505.2' = 95.0%
Total Recovery Dr#2 58.7' = 97.8%

ROCK TYPES AND ALTERATION	MINERALIZATION AND STRUCTURES	FOOTAGE BLOCKS	% RECOVERY	SAMPLE No.
0				
0-24 OVERBURDEN OB=25'				
24				
24.0-36.0' - Quartzite Phyllitic - blue grey in color		24 / 31.5 / 34 / 37	C C 3.7	
40				
36.0'-86.0' Dacite { Intrusive; m. grained, 5% mafics (biotite mostly k. feldspar, 15% Quartz; sub-hedral, light grey blue in color	67.0'-68.5' - Fault Zone, gouged, broken core.	41 / 46 / 48 / 49 / 52 / 53 / 56 / 61 / 62 / 65 / 71 / 77	4.5 C C C C C C C C C 4.9	
80				
86-94 QUARTZITIC PHYLLITE.	Foliation 80'-120' -20° to -30°	80 / 82 / 83.5 / 86.0 / 86.4 / 87 / 90 / 91 / 94 / 95 / 99 / 101 / 106 / 107 / 115 / 120	C C C C C C C C C 7.5 C C C C 5.7 C	
94.0'-101.5' - Intrusive - v. dark in color, fine grained with laths of feldspars slightly altered BASIC DYKE	87.0'-92.0' - Crenulated 90.0'-91.0' - Fault, gouged, brecciation 96.5'-99.0' - Fault Zone, broken core, gouged			
101.6'-122.0' - Biotitic Meta Phyllite - blue brown in color. At 122.0' grades almost Graphic Meta Phylite in several places.				
120				
122.0'-132.0' - BANDED QUARTZITE - light, blue grey in color	Foliation 120'-160' -20° to -30° (to -40°)	124 / 132 / 139 / 142 / 146.6 / 146.6 / 152 / 160	C C 5.8 C 2.0 C C C	
132.0'-181.0' - BIOTITIC METAPHYLLITE	131.5'-138.5' - gouged, Brecciation, broken core - Fault Zone			
160				
181.0'-213.0' - GRAPHITIC METAPHYLLITE - cut by small QUARTZ veins - hydrothermal, grey-black in colors	Foliation 160'-200' -20° 169'-170' - Fault Zone - Brecciated, broken core	165 / 167 / 171 / 173 / 176 / 181 / 189 / 195 / 198	C C 3.0 C C 3.0 C C C	
200				
213.0'-240.0' - META PHYLITE (or SERICITE METAPHYLITE) - light blue-grey in color.	Foliation 200'-240' -25°	209 / 218 / 226 / 232	8.5 C C C 7.7	
240				

ANVIL MINING CORPORATION LIMITED Whitehorse, Yukon
PROPERTY NAME ..FARO ZONE No. 7..... HOLE NO. 66-26.. SCALE OF LOG 1"=40', 1"=10' in c

240. ROCK TYPES AND ALTERATION	MINERALIZATION AND STRUCTURES	FOOTAGE BLOCKS	% RECOVERY	SAMPLE NO.	F
290.0 - 268.0 - 292.5 - 2" QUARTZ Veins and 3" QUARTZ Veins - hydrothermal quartz - from brown in color 270.0 - 303.0 METAPHYLLITE - Biotitic 280.0	254.0 - 255.5 - FAULT ZONE - gouge, broken core 253.3 - 254.0 - Drag folding 264.0 - 267.0 - FAULT ZONE - gouge, breccia broken core, - 40°. 261.5' - 264.0 Granulated	242 246 250 252 256 264 267 270 273	65 3.6 C C 1.4 C C 5.0		
303 - 318 GRAPHITIC METAPHYLLITE minor pyrite in foliations, quartzitic 318 - biotite banded; graphitic, quartzitic 320 Some hydrothermal quartz	Foliation, 300.0' - 320.0', - 20°	281 287 288 294 304 310 312 315	C C 5.7 C 10 5.0		
340 METAPHYLLITE: medium light grey becomes increasingly sericitic after 345 calc-silicate phase, calcareous 360 357 2" Quartz vein, pyrite	Foliation, 320.0 - 360.0, 25° 355.0' - 359.0' - FAULT ZONE - Broken core, gouged, slight alteration, loss of 2.5' of Core.	326 330 340 360 360	C C C C 7.5		
397 contact gradational SERICITIC SCHIST - medium light grey in color	Foliation - 360.0' - 400.0, - 20° 380.0 - 381.0 - FAULT - clay alteration brecciation, broken core, gouge 389 - 397.0' BRECCIATED ZONE 393 - 397.0' FAULT ZONE - gouge, clay alteration, broken core, breccia. 374 - 384 slightly granulated	366 374 381	C C C		
411.5	397 - 410.5 FAULT ZONE: broken core, brecciation, gouge, sericitic alteration 407 MASSIVE SULPHIDES: pyrrhotite, stringers of pyrite, sphalerite & galena 407 - 410.5 - Sulphides highly brecciated vuggy	402 407 410 411	0.5 2.5 .7	3401 3402	4 4
421.5	Hole deflected at 415'.	413 413	C 4.0	3403 3404	4 4
427 BANDED QUARTZITE: light grey in color, sericitic in places 431.5	Foliation 420 - 440, - 45° 427.5 - 468 BANDED & DISSEMINATED SULPHIDE	422 424 425.5 426 430	1.2 C C C	3406 3407	4 4

ANVIL MINING CORPORATION LIMITED Whitehorse, Yukon

PROPERTY NAME ..... FARO ZONE No. 1 ..... HOLE NO. 66-26 ..... SCALE OF LOG 1" = 40', 1 = 10' in

ROCK TYPES AND ALTERATION	MINERALIZATION AND STRUCTURES	FOOTAGE BLOCKS	% RECOVERY	SAMPLE NO.
430				
			9.6	3408
				3409
440		440		
GRAPHITIC PHYLLITE very dark grey in color, slightly quartzitic	Foliation: 440-480: -40°		7.2	3410
		447.5		3411
450				
			c	3412
		457.5		3413
460				
463 contact gradational				
SERICITE SCHIST (slightly graphitic?), light buff colored becomes increasingly sericitic	Crenulated: 468 - 556		c	3414
		467.5		3415
470				
				3416
474 contact gradational				
BIOTITIC METAPHYLLITE medium gray-brown in color, quartzitic 477.5 - 478 QUARTZ VEIN } cut by small quartz 485 - 485.3 QUARTZ VEIN } veins 1" = 2" wide	Foliation: 480-520: -25°	477.5		
495 494 contact gradational	garnet clots at contact	497		
BIOTITE SCHIST: brown grey in color		497		
509 contact gradational		506 509		
BIOTITIC METAPHYLLITE: cut by quartz veins, garnet clots at contact with metaphyllite	Foliation: 520-560: -30°	527		
535	530-532 FAULT ZONE: gouge, broken core,	532.5		
QUARTZITIC METAPHYLLITE:- blue grey in color, biotitic, minor pyrite in foliations from 538'.	brecciated, alteration. Attitude, -55°	538.5		
556 END OF HOLE.		556		
		556		

ANVIL MINING CORPORATION LIMITED
Whitehorse, Yukon
PROPERTY NAME FARO ZONE No. 1
LOCATION Rose Creek, Yukon
DATE DRILLED June 15-
SCALE OF LOG 1" = 40' LOGGED BY D.M & J.F DATE June 30/66.
Ove Zone: 1" = 10'

HOLE NO. 66-33 DEPTH 452' In process being defle
COLLAR ELEVATION 4,078.63 CORE SIZE NQ
BEARING ..... (MAG OR TRUE DIP 90°
CO-ORDINATES 9,399.31 N. 14,197.27 E.
SURFACE ✓ OR UNDERGROUND .....
TOTAL RECOVERY 88.6% from 72 - 452
Ove Zone: 96.5% from 311 - 452

ROCK TYPES AND ALTERATION	MINERALIZATION AND STRUCTURES	FOOTAGE BLOCKS	% RECOVERY	SAMPLE NO.	FR
0					
OVERBURDEN: 0-59.					
40					
59					
TRICONE: 59-72					
72					
80 BIOTITIC METAPHYLLITE: 72-109: medium brown grey in color, quartzitic, graphitic in places - minor pyrite.	FOLIATION: 74-100: 30°-35°	74 77	2.4 3.2		
109		83 88 93	3.0 3.0 6.5(c)		
BIOTITE SCHIST: 109-162: medium brown grey in color - hydrothermal quartz	FOLIATION: 100-140: 30° 109.5-111: Drag folding.	99.5 100.5 105 109.5 115 117 120	0.9 4.0 3.4 3.0 1.0 2.3		
120					
160	125.5-126.5 } Drag folding. 129-130 } FOLIATION: 140-180: 0°-10° 152-162: FAULT ZONE.	127 135 144 152	4.8 8.0(c) 8.6 5.8 5.3		
162 ALTERED QUARTZ DIORITE 162-195: greenish. Feldspars → clays.	FOLIATION: 180-220: 20°-25°	162 170 173 176 178 183 189 192 195 198 198	8.0(c) 3.0(c) 3.0(c) 2.0(c) 3.6 3.0(c) 2.8 2.4 1.0(c)		
195					
200					
BIOTITE SCHIST: 195-214.5: medium grey in color		202.5	3.0		
214.5 Contact gradational.		210.5 212.5 214.5	7.4 2.0(c) 2.0(c)		
GRAPHITE SCHIST: medium grey: 214.5-236.5:	FOLIATION: 220-260: 25° 230-232: Drag folding	224 226 228 229 235 237	9.0 2.0(c) 2.0(c) 0.6 5.8 1.7		
236.5 Contact Gradational.					
240					

ANVIL MINING CORPORATION LIMITED Whitehorse, Yukon

PROPERTY NAME .FARO..ZONE..No.1.... HOLE NO. 66-33 SCALE OF LOG 1" = 40' Ove Zone 1" = 10'

ROCK TYPES AND ALTERATION	MINERALIZATION AND STRUCTURES	FOOTAGE BLOCK	% RECOVERY	SAMPLE NO.	INT FROM
240 BIOTITIC SERICITE SCHIST: 236.5-289:		247	5.4		
		249	2.0(c)		
		252	3.0(c)		
		254	1.7		
		256	2.0(c)		
	256-259: FAULT ZONE- brecciation, gouge broken core, minor alteration	259	2.8		
	FOLIATION: 260-300: 20°	266	6.2		
280	270-272.5: FAULT ZONE: 50°, brecciation gouge.	272.5	3.9		
		277	4.0		
		279.5	2.5(c)		
289 Contact Gradational.		282.5	2.5		
SERICITE SCHIST: 289-311: medium light grey ~~brown~~ in color- graphitic ~~8~~ from 305.			7.0		
		290	4.0(c)		
	FOLIATION: 300-340: unobtainable.	294	5.5		
		300			
308.75			8.0(c)	3151	305
	311-329.5: Weak siliceous sulphides	308	2.0(c)		
311 Contact Gradational.	311-342: Zone of brecciation.				
QUARTZITE: 311-329.5: medium grey.	311.5-312.5: FAULT ZONE- brecciation gouge.	310			
			7.0(c)	3152	310
318.75		317	3.0(c)	3153	315
		320			
			7.5(c)	3154	320
328.75 Contact Gradational		327.5		3155	325
329.5	329.5-335.5: Massive Sulphides- pyrr[illegible]tite, sphalerite, galena, minor chalco.		4.5		
		332.5		3156	330
335.5 Contact Gradational.			5.0(c)		
QUARTZITE: 335.5-354.5: light → medium grey.	335.5-354.5: Weak banded sulphides sphalerite, pyrite, minor chalco.				
338.75		337.5 339	1.5(c)	3157	335
	FOLIATION: 340-380: 20°				
			8.0(c)	3158	340
348.75		347		3159	345
			7.0(c)		
354.5				3160	350
	354.5-452: Massive sulphides- mainly pyrite with galena and sphalerite & siliceous in places.	354			
358.75			6.8	3161	355

ANVIL MINING CORPORATION LIMITED Whitehorse, Yukon

PROPERTY NAME ..FARO..ZONE...No.1.... HOLE NO. 66-33. SCALE OF LOG: 1" = 40'

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Ore Zone

ROCK TYPES AND ALTERATION	MINERALIZATION AND STRUCTURES	FOOTAGE BLOCKS	% RECOVERY	SAMPLE NO.
358.75				
		361	4.8	316
		367		316
368.75				
			4.0	
		372	4.0(c)	316
		376		316
378.75				
			7.5	
		384		316
			7.3	316
388.75				
		392	7.0(c)	31
		399		31
398.75				
			7.5(c)	31
		406.5		3
408.75				
			9.5(c)	3
		416		3
418.75				
			11.0(c)	3
		427		3
428.75				

ANVIL MINING CORPORATION LIMITED Whitehorse, Yukon

PROPERTY NAME FARO ZONE No 1 HOLE NO. 66-33. SCALE OF LOG 1"=40' Ore Zone 1"=10'

ROCK TYPES AND ALTERATION	MINERALIZATION AND STRUCTURES	FOOTAGE BLOCKS	% RECOVERY	SAMPLE NO.	INT FROM
428·75					
			7.0(C)	3176	436
		434			
438·75			8·3	3177	435
				3178	440
		443	3.0(C)		
		446		3179	445
448·75			5.0(C)		
		451			
			5.0(C)	3180	450
		456			
458·75			5.5(C)	3181	455
		461·5		~~3182~~	~~456~~

ANVIL MINING CORPORATION LIMITED
Whitehorse, Yukon

PROPERTY NAME FARO ZONE Nº 1
LOCATION Rose Creek, Yukon
DATE DRILLED June 26 - July 8, 1966
SCALE OF LOG 1" = 40' LOGGED BY J.F. DATE July 21, 1966.
Ove Zone: 1" = 10'

HOLE NO. 66-35 DEPTH 486'
COLLAR ELEVATION 4178.85 CORE SIZE NQ.
BEARING ..... (MAG OR TRUE DIP 90°
CO-ORDINATES 10,095.84 N. 14,099.59 E.
SURFACE ✓ OR UNDERGROUND .....
TOTAL RECOVERY 93.0%
Ove Zone: 98.5%

ROCK TYPES AND ALTERATION	MINERALIZATION AND STRUCTURES	FOOTAGE BLOCKS	% RECOVERY	SAMPLE No.	
0					
40					
46					
QUARTZ DIORITE - Altered - greenish grey → brown.		47	1.3		
52 TRICONE BIT: 52-102.		49	0.7		
		52	1.5		
80					
	FOLIATION: 80-120: 25°				
	80-120: Slight crenulations				
102 SERICITE SCHIST: 102-126.5. - light grey - quartzitic in places.		102			
		108	1.9		
120		115	0.8		
		118	0.0		
126.5	FOLIATION: 120-160: 20°-40°				
	120-160: Slight to moderate crenulations.		4.2		
	126: Possible slip - 60°				
	126.5-128.5: Bx. ore - qtz. fragments cemented with sulphides.	127		3205	12
128.5 SERICITE SCHIST - Brecciated	128-131: Disseminated sulphides				
131.0 light grey.	131-140.5: Banded sulphides - some magnetite.		11.0 (c)	3206	13
QUARTZITE - medium grey.					
133.75	Possible slip - 133.5' - 60°				
140.5	139: Broken core.	138		3207	13
ALTERED SERICITE SCHIST: 140.5-146 light grey			10.0 (c)	3208	14
143.75					
146.	144.5-146: Broken core.				
	146-149: Massive pyrrhotite & some pyrite				
		148		3209	14
149 CHLORITIC SERICITE SCHIST: 149-158 light grey - eyes of chlorite and biotite - quartzitic with some			3.6		
153.75 snowball garnets - Alteration to 152	151.5-152.5: Broken core.	152	1.2	3210	15
		153.5			

ANVIL MINING CORPORATION LIMITED Whitehorse, Yukon

PROPERTY NAME .FARO.ZONE...No.1..... HOLE NO. 66-35. SCALE OF LOG 1" = 40'
Ore Zone: 1" = 10'

ROCK TYPES AND ALTERATION	MINERALIZATION AND STRUCTURES	FOOTAGE BLOCKS	% RECOVERY	SAMPLE No.
153.75		155	1.5 (c)	
SERICITE SCHIST: 150-186.5: eyes of chlorite and biotite - med. grey 171-174: quartzitic with snowball garnets. - eyes of quartz throughout.	FOLIATION: 160-200: 30°-40° 160-200: Slight to moderate crenulations crenulations stronger in the quartzitic banded ove- minor drag folding.		8.0 (c)	3211
174		163	8.0 (c)	
		171 174	2.5	
	173-194: Broken core.	183.5	9.5 (c)	
186.5			3.2	
GRAPHITIC QUARTZITE - dark grey	186.5-200.7: Banded sulphides	187		3212
		190	3.0 (c)	
192.25		191.5	1.2	
				3213
QUARTZITE: 194.5-200.7: med. grey			8.5 (c)	3214
200.7		200		
202.25 SERICITIC QUARTZ SCHIST	FOLIATION: 200-240: 45°-60°			
200.7-214.5: light grey.			6.0 (c)	3215
	205.8: Possible fault - 70° - gouge, bx^n	206		3216
			7.0 (c)	
212.25	210.5: Possible fault - gouge.			
214.50	214.5-224.5: Banded sulphides.	213		3217
QUARTZITE: 214.5-224.5: med. grey.	215.5: Possible slip - 70° 216.0: Possible slip - 70° 217-219: Possible FAULT ZONE - gouge, broken core.		8.0 (c)	3218
222.25	221.5-224.5: FAULT - slickensides - unable to get proper attitude.	221	2.0 (c)	
224.50	224.5-228: Banded sulphides - bands of sphalerite & pyrite with some galena.	223	4.4	3219
QUARTZITE: 224.5-228: med. grey.				3220
228.0	228-284: Massive Sulphides - pyrite, sphalerite and galena.	228		
232.25			4.5 (c)	3221
		232.5		
	234.5-241.5: Broken core.		3.5 (c)	
		236	2.0 (c)	3222
		239		
242.25			8.8	3223

ANVIL MINING CORPORATION LIMITED Whitehorse, Yukon

PROPERTY NAME .FARO. ZONE. No. 1..... HOLE NO. 66-35. SCALE OF LOG 1" = 40'
Ore Zone: 1" = 10'

ROCK TYPES AND ALTERATION	MINERALIZATION AND STRUCTURES	FOOTAGE BLOCKS	% RECOVERY	SAMPLE NO.
389.75				
391	391-396: Massive sulphides	393		3251
396	396-404.8: Banded sulphides.		10.5(c)	3252
QUARTZITE: 396-404.8: med. grey.				
399.75				
		403.5		3253
404.8			10.0(c)	3254
QUARTZITIC SERICITE SCHIST: 404.8-486: med. grey - clots of biotite with some snow ball garnets.				
409.75				
	FOLIATION: 410-450: where measurable. 40°			3255
	410-450: Strong crenulations	413.5	9.5(c)	
		423	10.0(c)	
433	430.5-433: FAULT ZONE - broken core - some gouge.	433		
		443	10.0(c)	
	448: Slip - 45° - slickensides.		10.0(c)	
	450-490: Strong crenulations.	453	4.5	
		458	2.2	
		460	10.0(c)	
473.		470		
	473-486: FAULT ZONE - broken core, slickensides gouge, bx's	476	6.0(c)	
		480	4.0(c)	
			5.2	
486 - END OF HOLE.				

ANVIL MINING CORPORATION LIMITED
Whitehorse, Yukon
PROPERTY NAME FARO ZONE Nº 1
LOCATION Rose Creek, Yukon.
DATE DRILLED July 23 - Aug 1, 1966.
SCALE OF LOG 1" = 40' LOGGED BY J.F. DATE Aug. 20, 1966.
Ove Zone: 1" = 10'

HOLE NO. 66-44 DEPTH 600'
COLLAR ELEVATION 4,298.61 CORE SIZE NQ
BEARING ..... (MAG OR TRUE DIP 90°
CO-ORDINATES 10,502.10 N. 13,100.91 E.
SURFACE ✓ OR UNDERGROUND .....
TOTAL RECOVERY 97.8%.
Ore Zone: 96.5%.

ROCK TYPES AND ALTERATION	MINERALIZATION AND STRUCTURES	FOOTAGE BLOCKS	% RECOVERY	SAMPLE NO.	INTER FROM
0					
OVERBURDEN: 0-61:					
40					
61					
71					
80 SERICITIC QUARTZ SCHIST: 71-206.3: light to med grey-clots of brown biotite-some chlorite associated with the biotite - minor pyrite along foliations and in fractures. Small qtz. veins containing pink mineral.	FOLIATION: 70-110: 40° 70-110: Slight crenulations. 71.3-75: FAULT ZONE - broken core gouge, bx.	72	1.8		
		83	8.7		
		93	10.0(c)		
		103	10.0(c)		
120	FOLIATION: 110-150: 40° 110-150: Slight to moderate cren. minor drag folding.	113	10.0(c)		
		118	4.8		
	124.8-126.8: Broken core.	124	6.0(c)		
		126	2.0(c)		
		131	4.9		
		141	10.0(c)		
	FOLIATION: 150-190: 50°-60° 150-190: Moderate to strong crenulations.	150	9.0(c)		
160		160	10.0(c)		
		166.5	6.5(c)		
		176.5	9.9		
	181-184.3: FAULT - near vertical, gouge.	181	4.5(c)		
		188	7.4		
	FOLIATION: 190-230: 60° where obtainable	193	5.0(c)		
196	190-230: Strong crenulations.	196	3.0(c)		
	191.5-193: Broken core.			3470	195
	200.3: FAULT - 70°, gouge, slickensides.		10.0(c)		
	203-205: FAULT ZONE - broken core gouge.			3471	200
206		206			

...IL MINING CORPORATION LIMITED Whitehorse, Yukon

...ROPERTY NAME .FARO. ZONE. No. 1..... HOLE NO. 66-44 SCALE OF LOG 1" = 40'
Ove Zone: 1" = 10'

ROCK TYPES AND ALTERATION	MINERALIZATION AND STRUCTURES	FOOTAGE BLOCKS	% RECOVERY	SAMPLE NO.	INTE FROM
206					
	206.3-211.2: Massive sulphides - pyrrhotite, sphalerite and galena.		7.0(c)	3472	205
211.2 SERICITE SCHIST - altered.	212.5-218: FAULT ZONE - broken core gouge, some slickensides	213		3473	210
214.9			5.0(c)		
216 QUARTZITE: 214.9-249.3: light grey - sericitic in places.	216-249.3: Siliceous sulphides - sphalerite, galena and pyrite 216-236: Disseminated 236-249.3: Banded.	218		3474	215
	222.5-230.5: FAULT ZONE - broken core breccia, gouge, slickensides		8.0(c)	3475	220
226		226			
				3476	225
			10.0(c)	3477	230
236		236			
		238.5	2.5(c)	3478	235
			10.0(c)	3479	240
246					
249.3 Contact = 40°	249.3-326.5: Massive Sulphides sphalerite, galena, pyrite between 249.3-314.3.	248.5		3480	245
	314.3-326.5: Massive pyrrhotite with sphalerite and galena. - minor chalco.	253.5	4.5	3481	250
256			5.0(c)		
	250-289: Brecciated sulphides - Sulphide fragments cemented with sulphides	258.5		3482	255
			8.2	3483	260
266					
	267.8-269.3: FAULT ZONE - gouge, broken core.	267		3484	265
			4.2		
		273		3485	270
276			4.0(c)		

VIL MINING CORPORATION LIMITED Whitehorse, Yukon
PROPERTY NAME .FARO. ZONE. No. 1..... HOLE NO. 66-44 SCALE OF LOG 1" = 40'
Fire Zone: 1" = 10'

ROCK TYPES AND ALTERATION	MINERALIZATION AND STRUCTURES	FOOTAGE BLOCKS	% RECOVERY	SAMPLE No.	INTERVAL FROM	INTERVAL T
276		277	-			
			2.7	3486	275	28
		281				
286			8.0(c)	3487	280	28
		289		3488	285	29
			6.0(c)	3489	290	29
296		295				
			5.5(c)	3490	295	30
		300.5		3491	300	305
306						
			11.5(c)	3492	305	310
	312-316: FAULT ZONE - gouge, broken core - brecciated sulphide frags. cemented with sulphides.	312		3493	310	315
316			5.2			
		317.5		3494	315	320
			10.0(c)	3495	320	325
326						
326.5 ALTERED QUARTZ DIORITE: 326.5-337: white → butt.		327.5		3496	325	330
			10.0(c)	3497	330	335
336						
337 QUARTZITE: 337-353: medium grey - being replaced by sulphides.	337-353: Siliceous sulphides - banded pyrite with minor sphalerite and galena.	337.5		3498	335	340
			5.5(c)			
		343		3499	340	345
346.			9.0			

ANVIL MINING CORPORATION LIMITED Whitehorse, Yukon

PROPERTY NAME .FARO..ZONE...No.1... HOLE NO.66-44 SCALE OF LOG 1" = 40'
Ove Zone: 1" = 10'

ROCK TYPES AND ALTERATION	MINERALIZATION AND STRUCTURES	FOOTAGE BLOCKS	% RECOVERY	SAMPLE NO.	INTER FROM
416				4793	415
			10.4		
426				4794	420
		427			
		428.5	1.5	4795	425
			9.0(c)	4796	430
436					
		437.5		4797	435
			9.4	4798	440
446					
		447		4799	445
			10.0(c)	4800	450
456					
459.3		457		0996	455
QUARTZITE: 459.3-469.3: medium grey - being replaced by sulphides - sericitic between 466-469.	459.3-469.3: Siliceous sulphides galena, sphalerite & pyrite some marcasite (?)		3.9		
466		461	6.0(c)	0997	460
469.3	469.3-474: Massive sulphides from 469.3-472.8 - pyrrhotite minor sphalerite, galena and chalco. 472.8-474: Magnetite.	467		0998	465
	FOLIATION: 470-510: 10° 470-510: Slight to moderate crenulations.		8.8		
474				0999	470
476 SERICITIC QUARTZ SCHIST	475.5-480: FAULT ZONE - near vertical, broken core, gouge slicken sides	476			
			4.0(c)	1000	475
474-600: light grey - the odd band of biotite - some chlorite - spovadic garnet. 525.3-527: Qtz. vein - Pink mineral. 529.3-530.5: Qtz vein - Pink mineral.		480			
	483.5-486: FAULT - near vertical, gouge, broken core.		9.0(c)	3300	480
490	487.5-488.5: FAULT - gouge, broken core, bx.	489			

ANVIL MINING CORPORATION LIMITED Whitehorse, Yukon

PROPERTY NAME FARO ZONE No. 1 HOLE NO. 66-44 SCALE OF LOG 1" = 40' Ore Zone 1" = 10'

490 ROCK TYPES AND ALTERATION	MINERALIZATION AND STRUCTURES	FOOTAGE BLOCKS	% RECOVERY	SAMPLE NO.	INTERVAL FROM
Small qtz. veins throughout this section containing pink mineral(?) - less than 1" wide.	496.5: FAULT - 60°, gouge.	495	5.7		
	507.5: FAULT - 25°, gouge, broken core.	501	6.0(c)		
	FOLIATION: 510-550: 10° where obtainable.	510	9.0(c)		
	510-550: slight to strong crenulation.	520	10.0(c)		
530		530	10.0(c)		
		540	10.0(c)		
	FOLIATION: 550-590: 10°-15° where obtainable.	550.5	10.5(c)		
	550-590: strong crenulations.	560.5	10.0		
570	557.8-560.5: FAULT gouge, bx, broken core. 569.5: FAULT - 70°, gouge.	571	10.5(c)		
		581.5	10.4		
600	586.7-587.7: FAULT - gouge, broken core.	592	10.5(c)		
END OF HOLE: 600'		600	8.0(c)		

LONG. SECTIONS - LARGE ORE BODY NW. OF DIKE ZONE

SECTION	CU-YDS	NW1S TONS	NW1S % Pb	NW1S % Zn	NW1S TONS × % Pb	NW1S TONS × % Zn	W5B TONS	W5B % Pb	W5B % Zn	W5B TONS × % Pb	W5B TONS × % Zn
16											
18	84,260	265,418 ✓	3.81 ✓	6.55 ✓	1,011,744 ✓	1,738,322 ✓	96,994 ✓	3.40 ✓	5.53 ✓	329,785 ✓	536,837 ✓
19	245,962	774,781 ✓	4.08 ✓	6.49 ✓	3,158,681 ✓	5,028,715 ✓	91,558 ✓	3.96 ✓	5.56 ✓	362,460 ✓	509,508 ✓
20	436,633	1,343,892 ✓	4.91 ✓	6.67 ✓	6,602,760 ✓	8,966,343 ✓	NONE ✓	—	—	—	—
21	546,618	1,721,846 ✓	4.80 ✓	6.37 ✓	8,267,504 ✓	10,964,493 ✓	97,543 ✓	6.31 ✓	9.35 ✓	615,052 ✓	911,157 ✓
22	772,656	2,433,870 ✓	3.67 ✓	5.44 ✓	8,935,871 ✓	13,247,652 ✓	273,807 ✓	3.93 ✓	6.97 ✓	1,075,812 ✓	1,909,039 ✓
23	839,678	2,644,981 ✓	3.00 ✓	4.64 ✓	7,938,114 ✓	12,265,436 ✓	186,394 ✓ ✓	3.64	6.50 ✓	678,263 ✓	1,286,418 ✓
24	940,820	2,963,574 ✓	3.31 ✓	6.11 ✓	9,807,584 ✓	18,120,001 ✓	203,965 ✓ ✓	2.42 ✓	5.20 ✓	492,708 ✓	1,060,714 ✓
25	627,644	1,977,077 ✓	2.43 ✓	5.92 ✓	4,804,315 ✓	11,698,275 ✓	452,608 ✓ ✓	3.08 ✓	6.76 ✓	1,394,542 ✓	3,147,932 ✓
26	325,190	1,024,347 ✓	2.17 ✓	5.73 ✓	2,217,860 ✓	5,867,463 ✓	260,202 ✓ ✓	2.04 ✓	5.22 ✓	532,060 ✓	1,359,459 ✓
27	30,251	95,290 ✓	2.51 ✓	5.28 ✓	239,107 ✓	502,741 ✓	NONE ✓	—	—	—	—
	4,839,712 ✓	15,245,076 ✓	2.48 ✓	5.80 ✓	52,783,540 ✓	88,402,461 ✓	1,663,075 ✓	3.30 ✓	6.45 ✓	5,480,686 ✓	10,721,069 ✓
				9.21					7.75		

(I) (I) (I)

CU. YDS

18	30,792 ✓
19	29,066 ✓
20	—
21	30,966 ✓
22	86,723 ✓
23	59,173 ✓
24	64,752 ✓
25	143,685 ✓
26	82,604 ✓
27	—
	527,961 ✓

NW LONG. SECTIONS - WL Blocks

SEC	TONS	% Pb	% Zn	TONS × % Pb	TONS × % Zn
16	NONE				
18	NONE				
19	NONE				
20	NONE				
21	NONE				
22	NONE				
23 WL-2	28,246	3.18	6.99	89,822	197,440
24 WL-1	18,481	2.31	4.39	42,694 ✓	81,132 ✓
25 WL-2	85,469	1.87	3.98	159,827	340,167
WL-3	27,553	4.10	6.85	112,967	188,738
26	NONE				
27 WL-2	48,591	1.71	3.88	83,330	188,420
	208,340 ✓	2.35 ✓	4.78 ✓	488,637 ✓	995,877 ✓

CU. YDS

23	8,967 ✓
24	5,867 ✓
25	27,133
	8,747
26	—
27	15,426
	66,140 ✓

(I)

LONG. SECTIONS - LARGE ORE BODY SE OF DIKE ZONE

SES

SECTION	CU. YDS	TONS	% Pb	% Zn	TONS x % Pb	TONS x % Zn
16	151,093	475,943	3.53	5.47	1,682,273	2,603,945
18	1,150,339	3,623,567	3.23	4.38	11,712,383	15,876,429
19	125,220	394,443	2.95	4.12	1,165,137	1,624,430
20	2,400,648	7,562,042	3.06	5.28	23,108,832	39,909,938
21	216,835	680,489	2.80	5.45	1,902,288	3,707,965
22	1,252,175	3,944,352	2.94	4.68	11,592,234	18,455,547
23	—	—	—	—	—	—
24	530,324	1,670,517	2.96	5.64	4,948,890	9,420,405
25	—	—	—	—	—	—
26	183,908	579,211	3.60	5.89	2,083,853	3,414,729
27	32,236	101,543	2.87	5.69	290,754	578,049
	6,041,978	19,032,207	3.02	5.02	57,486,816	95,591,638
			8.04			

(II)

ESB

	TONS	% Pb	% Zn	TONS x % Pb	TONS x % Zn
	606,928	3.57	5.64	2,166,327	3,425,541
	670,217	2.39	4.05	1,603,272	2,711,928
	19,800	2.18	3.67	43,263	72,690
	530,163	2.43	4.58	1,290,176	2,427,595
	52,139	3.50	8.30	182,486	432,754
	2,851,158	2.72	5.66	7,754,638	16,141,188
	—	—	—	—	—
	588,161	2.23	5.74	1,309,777	3,376,044
	—	—	—	—	—
	674,797	3.09	6.46	2,085,064	4,359,732
	—	—	—	—	—
	5,993,363	2.74	5.50	16,435,223	32,947,683
		8.24			

(II)

CU. YDS

16	192,675
18	212,767
19	6,286
20	138,306
21	16,552
22	905,130
24	186,718
26	214,221
27	
	1,902,655

SE - LONG SECTIONS (EL. Blocks)

EL

SEC	TONS	% Pb	% Zn	TONS x % Pb	TONS x % Zn
16	NONE				
18	71,278	2.53	4.40	184,383	313,623
19	NONE				
20	80,848	2.17	6.36	177,057	514,193
21	40,588	2.14	4.38	86,858	177,775
22	1,035,980	2.72	4.32	2,377,056	4,475,804
24	167,081	3.29	3.92	357,537	449,364
26	45,337	1.79	3.99	116,753	260,695
	44,550	2.07	4.04	92,218	179,982
	1,466,662	2.28	4.39	3,303,012	6,341,456

CU. YDS

16	—
18	22628
19	—
20	25,662
21	12,855
22	328,883
24	38,574
26	20,742
27	14,143
	458,641

(II)

CROSS-SECTIONS - LARGE OBE BODY - NW. OF DIKE ZONE

NWS

SECTION	TONS	% Pb	% Zn	TONS x % Pb	TONS x % Zn
106	251,462 ✓	3.88 ✓	7.53 ✓	976,380 ✓	1,892,870 ✓
107	422,956 ✓	3.29 ✓	5.61 ✓	1,390,707 ✓	2,373,821 ✓
108	588,199 ✓	3.50 ✓	6.08 ✓	2,060,318 ✓	3,576,688 ✓
109	506,755 ✓	2.67 ✓	5.54 ✓	1,353,878 ✓	2,808,316 ✓
110	823,353 ✓	3.63 ✓	5.85 ✓	2,986,344 ✓	4,820,378 ✓
111	1,670,076 ✓	3.81 ✓	6.18 ✓	6,371,149 ✓	10,319,715 ✓
112	2,026,344 ✓	3.73 ✓	5.91 ✓	7,559,365 ✓	11,972,363 ✓
113	1,889,835 ✓	3.64 ✓	5.72 ✓	6,877,755 ✓	10,813,807 ✓
114	2,662,771 ✓	3.18 ✓	5.10 ✓	8,460,193 ✓	13,565,022 ✓
115	2,625,360 ✓	3.49 ✓	5.70 ✓	9,176,912 ✓	14,957,784 ✓
116	2,181,174 ✓	3.20 ✓	5.73 ✓	6,997,574 ✓	12,522,959 ✓
	15,653,285 ✓	3.46 ✓	5.73 ✓	54,210,876 ✓	89,643,918 ✓

CU. YDS

106	79,829 ✓
107	134,272 ✓
108	186,729 ✓
109	160,675 ✓
110	261,382 ✓
111	530,182 ✓
112	643,281 ✓
113	599,948 ✓
114	845,325 ✓
115	833,448 ✓
116	694,024 ✓
	4,969,295

IV

WSB

SECTION	TONS	% Pb	% Zn	TONS x % Pb	TONS x % Zn
106	115,218 ✓	2.93 ✓	5.75 ✓	337,707 ✓	662,475 ✓
107	135,418 ✓	2.43 ✓	5.14 ✓	329,150 ✓	696,386 ✓
108	155,677 ✓	2.46 ✓	5.03 ✓	382,375 ✓	783,554 ✓
109	20,592 ✓	1.91 ✓	3.69 ✓	39,366 ✓	76,064 ✓
110	152,621 ✓	4.01 ✓	6.10 ✓	612,053 ✓	930,993 ✓
111	127,770 ✓	3.53 ✓	6.17 ✓	451,242 ✓	790,502 ✓
112	182,549 ✓	3.65 ✓	6.08 ✓	666,054 ✓	1,146,046 ✓
113	214,745 ✓	3.51 ✓	5.82 ✓	754,374 ✓	1,250,538 ✓
114	501,571 ✓	3.39 ✓	7.05 ✓	1,701,535 ✓	3,534,573 ✓
115	459,549 ✓	3.29 ✓	7.16 ✓	1,514,005 ✓	3,288,157 ✓
116	163,511 ✓	2.33 ✓	5.54 ✓	381,778 ✓	906,202 ✓
	2,229,241 ✓	3.22 ✓	6.31 ✓	7,169,639 ✓	14,065,510 ✓

CU. YDS

106	36,577 ✓
107	42,989
108	49,421 ✓
109	6,537
110	48,457
111	40,562
112	57,952
113	68,173
114	159,235
115	145,869
116	51,908
	707,694 ✓

III

WL

SECTION	TONS	% Pb	% Zn	TONS x % Pb	TONS x % Zn	
106	11,268 ✓	2.93 ✓	9.49 ✓	33,015 ✓	106,933 ✓	106
107	—	—	—	—	—	107
108	—	—	—	—	—	108
109	19,898 ✓	3.80 ✓	1.23 ✓	77,602 ✓	24,474 ✓	109
110	—	—	—	—	—	110
111	—	—	—	—	—	111
112	11,551 ✓	2.60 ✓	5.00 ✓	30,033 ✓	57,755 ✓	112
113	98,204 ✓	3.91 ✓	6.09 ✓	383,563 ✓	597,923 ✓	113
114	85,654 ✓	1.83 ✓	3.94 ✓	156,589 ✓	337,105 ✓	114
115	51,512	2.52	5.70	129,745 ✓	293,672	115
116	53,[illegible] ✓	[illegible] ✓	4.76 ✓	119,137 ✓	256,650 ✓	116
	332,050 ✓	2.70 ✓	5.04 ✓	929,684 ✓	1,674,512 ✓	

CU. YDS

106	3,577
107	—
108	—
109	6,317
110	—
111	—
112	3,667
113	31,176
114	27,194
115	16,353
116	17,132
	105,413 ✓

II

CROSS SECTIONS - LARGE ORE BODY - SE OF DIKE ZONE

SECTION	SES TONS	SES % Pb	SES % Zn	SES TONS x % Pb	SES TONS x % Zn	ESB TONS	ESB % Pb	ESB % Zn	ESB TONS x % Pb	ESB TONS x % Zn	EL TONS	EL % Pb	EL % Zn	EL TONS x % Pb	EL TONS x % Zn	
118	4,079,378 ✓	3.26 ✓	5.43 ✓	133,037,379 ✓	221,652,933 ✓	904,988 ✓	2.40 ✓	4.95 ✓	21,717,239 ✓	44,797,506 ✓	181,644 ✓	2.49 ✓	5.17 ✓	451,963 ✓	939,263 ✓	118
120	2,649,517 ✓	3.57 ✓	5.05 ✓	94,503,581 ✓	133,711,601 ✓	1,521,895 ✓	2.79 ✓	5.46 ✓	42,490,741 ✓	83,083,446 ✓	37,753 ✓	3.99 ✓	4.10 ✓	150,634 ✓	154,787 ✓	120
122	3,494,475 ✓	3.05 ✓	4.63 ✓	106,490,721 ✓	161,998,741 ✓	290,594 ✓	3.24 ✓	6.25 ✓	941,336 ✓	1,815,610 ✓	267,257 ✓	3.05 ✓	3.29 ✓	816,444 ✓	880,279 ✓	122
124	2,498,086 ✓	2.99 ✓	4.95 ✓	74,714,145 ✓	123,677,561 ✓	453,278 ✓	2.50 ✓	5.75 ✓	1,132,430 ✓	2,608,054 ✓	361,703 ✓	1.89 ✓	4.63 ✓	683,390 ✓	1,677,250 ✓	124
126	3,589,409 ✓	2.60 ✓	4.51 ✓	93,343,461 ✓	161,765,733 ✓	714,041 ✓	3.39 ✓	5.48 ✓	2,418,546 ✓	3,914,877 ✓	245,385 ✓	2.82 ✓	3.81 ✓	691,986 ✓	934,917 ✓	126
128	1,595,823 ✓	2.51 ✓	5.45 ✓	40,132,242 ✓	86,962,684 ✓	1,203,192 ✓	3.30 ✓	6.86 ✓	39,733,045 ✓	82,502,154 ✓	143,549 ✓	1.50 ✓	5.87 ✓	215,323 ✓	842,633 ✓	128
130	946,536 ✓	2.52 ✓	4.81 ✓	23,844,647 ✓	45,546,397 ✓	563,100 ✓	2.16 ✓	4.94 ✓	12,154,654 ✓	27,817,355 ✓	146,322 ✓	3.27 ✓	4.15 ✓	479,008 ✓	607,147 ✓	130
132	497,883 ✓	3.50 ✓	5.69 ✓	17,409,129 ✓	28,335,397 ✓											132
	19,351,127 ✓	3.02 ✓	4.98 ✓	583,592,508 ✓	963,786,033 ✓	5,651,088 ✓	2.85 ✓	5.69 ✓	161,041,354 ✓	321,554,474 ✓	1,383,853 ✓	2.52 ✓	4.36 ✓	34,887,486 ✓	60,362,966 ✓	

CU. YDS

118	1,295,040
120	841,116
122	1,109,357
124	793,043
126	1,139,494
128	506,610
130	300,494
132	158,058
	6,143,212 ✓

IV

CU. YDS

118	287,298 ✓
120	483,141 ✓
122	92,215 ✓
124	143,898 ✓
126	226,680 ✓
128	381,966
130	178,762
132	
	1,793,997 ✓

IV

CU. YDS

118	57,665
120	11,985
122	84,856
124	114,896
126	77,904
128	45,571
130	46,451
132	
	439,348 ✓

IV

SECTION NO. ORE "LOST" IN DIKE ZONE

~~M SECTION~~ ~~MATERIAL~~	BLOCK	MEASUREMENT	× 2500 AREA: SQ. FT.	(X INFLU	~~VOL: CU. FT.~~	÷ 27	VOL: CU. YDS.	T. FACTO		SHORT TONS
								315		
19	19NW-1	2.07 - 4.19 - 2.095	5,237 ✓	(120.71)	4.471 ✓		23,415 ✓			
20	20NW-1	5.40 - 10.82 - 5.41	13,525 ✓	(141.42)	5.238		70,844 ✓			
	20SE-1	1.91 - 3.90 - 1.95	4,875 ✓	(141.42)	5.238		25,535 ✓			
22	22SE-1	7.43 - 14.72 - 7.46	18,650 ✓	(353.55)	13,094 ✓		244,203 ✓			
24	24NW-1	5.80 - 11.65 - 5.825	14,562 ✓	(282.84)	10,476		152,552 ✓			
	24SE-1	10.88 - 21.79 - 10.825	27,237 ✓	(282.84)	10.476		285,335 ✓			
26	26NW-1	98 × 229	22,442 ✓	(212.13)	4.857		176,327 ✓			
	26SE-1	0.77 - 1.54 - 0.77	1,725 ✓	(212.13)	7.857		15,125 ✓			
	26SE-2	2.48 - 4.96 - 2.48	6,200 ✓	(212.13)	7.857		48,713 ✓			
27	27SE-1	1.12 - 2.20 - 1.10	2,750 ✓	(120.71)	4.471		12,295 ✓			✓
							1,054,344 ✓	× 3.15	=	3,321,184 ✓

(V) (V)

ORE RESERVE IN THE L-K ULTIMATE PIT

LARGE ORE BODY

(VI)

NW SECTOR

		TONS	% Pb	% Zn	TONS × % Pb	TONS × % Zn
(NWS)	NWS BY CROSS-SECTIONS	15,653,285 ✓	3.46 ✓	5.73 ✓	54,210,576 ✓	89,643,918 ✓
(NWS)	NWS BY LONG SECTIONS	15,245,076 ✓	3.48 ✓	5.80 ✓	52,983,540 ✓	88,402,461 ✓
		30,898,361			107,194,116	178,046,379
	÷ 2 =					
		15,449,180	3.47 ✓	5.76 ✓	53,597,208	89,023,189

SE SECTOR

		TONS	% Pb	% Zn	TONS × % Pb	TONS × % Zn
(SES)	SES BY CROSS-SECTIONS	19,351,127 ✓	3.02 ✓	4.98 ✓	58,359,250 ✓	96,378,603 ✓
	SES BY LONG. SECTIONS	19,032,207 ✓	3.02 ✓	5.02 ✓	57,486,806 ✓	95,591,638 ✓
		38,383,334			115,846,056	191,970,241 ✓
	÷ 2 =					
		19,191,667 ✓	3.02 ✓	5.00 ✓	57,923,028	95,985,120 ✓

COMBINED (NW & SE SECTORS AVER)

	TONS	% Pb	% Zn	TONS × % Pb	TONS × % Zn
NWS	15,449,180 ✓	3.47 ✓	5.76 ✓	53,597,208 ✓	89,023,189 ✓
+					
SES	19,191,667 ✓	3.02 ✓	5.00 ✓	57,923,028 ✓	95,985,120 ✓
	34,640,847 ✓	3.22 ✓	5.34 ✓	111,520,236 ✓	185,008,309 ✓
ANVIL ENG. DEPT.	(32,368,793)	(3.4)	(5.7)		

BY CROSS-SECTIONS

		TONS	% Pb	% Zn	TONS × % Pb	TONS × % Zn
NWS		15,653,285	3.46	5.73	54,210,576	89,643,918
SES		19,351,127 ✓	3.02 ✓	4.98 ✓	58,357,250 ✓	96,378,603 ✓
		35,004,412 ✓	3.22	5.31	112,570,126	186,022,531 ✓

BY LONG. SECTIONS

		TONS	% Pb	% Zn	TONS × % Pb	TONS × % Zn
NWS		15,245,076 ✓	3.48 ✓	5.80 ✓	52,983,540 ✓	88,402,461 ✓
SES		19,032,207 ✓	3.02 ✓	5.02 ✓	57,486,806 ✓	95,591,638 ✓
		34,277,283 ✓	3.22 ✓	5.37	110,470,346 ✓	183,994,099 ✓

→ TAKE 34.3

(VI)

BY CROSS-SECTIONS

NWS - 15,653,285 ✓
SES 19,351,127 ✓
35,004,412 ✓

TAKE BY LONG. SECTIONS

15,245,076
19,032,207
34,277,283

GRADE

LONG. SECTIONS

Pb - 52,983,540 ✓
57,486,806 ✓
110,470,346 = 3.22 ✓ % Pb

Zn 88,402,461 ✓
95,591,638 ✓
183,994,099 = 5.37

@ 34.6

ORE BELOW AND OUTSIDE OF L-K ULTIMATE PIT

(IV)

LARGE OPT BODY

NW. SECTOR

		TONS	% Pb	% In	TONS x % Pb	TONS x % In
WSB	BY CROSS-SECTIONS	2,229,241 ✓	3.22 ✓	6.31 ✓	7,169,639 ✓	14,065,510 ✓
WSB	BY LONG-SECTIONS	1,663,075 ✓	3.30 ✓	6.45 ✓	5,480,686 ✓	10,721,069 ✓
		3,892,316			12,650,325	24,786,579
	÷2 =	1,946,158	3.25 ✓	6.37 ✓	6,325,162 ✓	12,393,289 ✓

SE SECTOR

ESB	BY CROSS-SECTIONS	5,651,088	2.85 ✓	5.69	16,104,135	32,155,494
ESB	BY LONG. SECTIONS	5,793,363	2.74	5.50	16,435,223	32,947,683
		11,644,451			32,539,358	65,103,177
	÷2 =	5,822,225 ✓	2.79 ✓	5.59 ✓	16,269,679	32,551,885 ✓

COMBINED (NW & SE SECTORS AVERAGE)

WSB + ESB		1,946,158 ✓	3.25	6.37	6,325,162	12,393,289
		5,822,225 ✓	2.79	5.33	16,269,679	31,050,396
		7,768,383 ✓	1.91	5.59	22,594,841 ✓	43,443,685 ✓

7.7

BY CROSS-SECTIONS

WSB		2,229,241 ✓	3.22 ✓	6.31 ✓	7,169,639 ✓	14,065,510 ✓
ESB		5,651,088 ✓	2.85 ✓	5.69 ✓	16,104,135 ✓	32,155,494 ✓
		7,880,329 ✓	2.75 ✓	5.87	23,273,774 ✓	46,221,004 ✓

7.7

(VII)

BY LONG. SECTIONS

WSB		1,663,075 ✓	3.30 ✓	6.45 ✓	5,480 ✓	686 ✓ 10,721,069 ✓
ESB		5,793,363 ✓	2.74 ✓	5.50 ✓	16,435	223 ✓ 32,947,683 ✓
		7,456,438 ✓	2.86	5.70	21,915,909 ✓	43,668,752 ✓ → TAKE

7.7

ORE "DILUTED OUT" BY MIXTURE WITH WASTE WITHIN L.K. ULTIMATE PIT
LARGE OPEN PIT

NW SECTOR

	TONS	% Pb	% Zn	% Pb × TONS	% Zn × TONS
L BY CROSS-SECTIONS	332,150 ✓	2.80 ✓	5.04 ✓	929,684 ✓	1,674,512 ✓
L BY LONG-SECTIONS	208,340 ✓	2.35 ✓	4.78 ✓	488,637 ✓	995,897 ✓
	540,390 ✓			1,418,321 ✓	2,670,409 ✓
÷ 2 =	270,195 ✓	2.62 ✓	4.94 ✓	709,160 ✓	1,335,204 ✓

SE SECTOR

L BY CROSS-SECTIONS	1,383,853 ✓	2.52 ✓	4.36 ✓	3,488,748 ✓	6,036,296 ✓
BY LONG-SECTIONS	1,445,662 ✓	2.28 ✓	4.39 ✓	3,303,012 ✓	6,341,456 ✓
	2,829,515 ✓			6,791,760 ✓	12,377,752 ✓
	1,414,757 ✓	2.40 ✓	4.37 ✓	3,395,880 ✓	6,188,876 ✓

NE & SW SECTORS COMBINED

WL	270,195 ✓	2.62 ✓	4.94 ✓	709,160 ✓	1,335,204 ✓	
EL	1,414,757 ✓	2.40 ✓	4.37 ✓	3,395,880 ✓	6,188,876 ✓	
	1,684,952 ✓	2.44	4.47	4,105,040 ✓	7,524,080 ✓	1.7

BY CROSS-SECTIONS

EL	1,383,853 ✓	2.52 ✓	4.36 ✓	3,488,748 ✓	6,036,296 ✓	
WL	332,050 ✓	2.80 ✓	5.04 ✓	929,684 ✓	1,674,512 ✓	
	1,715,903 ✓	2.57 ✓	4.49 ✓	4,418,432 ✓	7,710,808 ✓	1.7

BY LONG. SECTIONS

WL	208,340 ✓	2.35 ✓	4.78 ✓	488,637 ✓	995,897 ✓	
EL	1,445,662 ✓	2.28 ✓	4.39 ✓	3,303,012 ✓	6,341,456 ✓	
	1,654,002 ✓	2.29 ✓	4.44 ✓	3,791,649 ✓	7,337,353 ✓	1.7 TAKE

VIII

VIII

THE SMALL ORE BODY

IX

MATERIAL	SECTIONS	CU. FOS	TONS	% Pb	% Zn	TONS × % Pb	TONS × % Zn
S	N-	1,196,853 ✓	3,770,067 ✓	3.38 ✓	4.93 ✓	12,728,916 ✓	18,580,689 ✓
	E-	1,002,476 ✓	3,157,797 ✓	3.44 ✓	5.03 ✓	10,913,273 ✓	15,891,160 ✓
		2,199,329 ✓	6,927,864 ✓			23,642,189 ✓	34,472,049
	÷2	1,099,664 ✓	3,463,942 ✓	3.41 ✓	4.98 ✓	11,821,094 ✓	17,236,024 ✓
B	N	152,362 ✓	479,941 ✓	2.65 ✓	4.61 ✓	1,269,945 ✓	2,210,802 ✓
	E	217,349 ✓	684,652 ✓	2.83 ✓	4.61 ✓	1,938,844 ✓	3,158,526 ✓
		369,711 ✓	1,164,593			3,208,789 ✓	5,369,328 ✓
	÷2	184,855 ✓	582,296 ✓	2.76 ✓	4.61 ✓	1,604,394 ✓	2,684,664 ✓
		THE SMALL GEOLOGIC ORE BODY					
S & B		1,099,664 ✓	3,463,942 ✓	3.41 ✓	4.98 ✓	11,821,094 ✓	17,236,024 ✓
		184,855 ✓	582,296 ✓	2.76 ✓	4.61 ✓	1,604,394 ✓	2,684,664 ✓
		1,284,519 ✓	4,046,238 ✓	3.32 ✓	4.92 ✓	13,425,488 ✓	19,920,688 ✓

IX

E-W - SECTIONS - SMALL ODE Body

(X)

S

SECTION RUN E-W	CU. YDS	TONS	% Pb	% Zn	TONS x % Pb	TONS x % Zn
N-8	16,001 ✓	50,403 ✓	.450 ✓	6.20 ✓	226,813 ✓	312,499 ✓
N-10	184,266 ✓	580,438 ✓	3.93 ✓	5.23 ✓	2,282,573 ✓	3,035,186 ✓
N-12	331,076 ✓	1,042,887 ✓	3.26 ✓	4.79 ✓	3,397,406 ✓	4,995,462 ✓
N-14	232,692 ✓	732,982 ✓	3.09 ✓	5.40 ✓	2,262,531 ✓	3,955,906 ✓
N-16	222,491 ✓	700,847 ✓	3.60 ✓	4.57 ✓	2,524,139 ✓	3,205,621 ✓
N-18	182,731 ✓	575,602 ✓	3.00 ✓	4.52 ✓	1,719,366 ✓	2,602,467 ✓
N-20	27,596 ✓	86,928 ✓	3.64 ✓	5.45 ✓	316,088 ✓	473,748 ✓
	1,196,853 ✓	3,770,087 ✓	3.38 ✓	4.93 ✓	12,728,916 ✓	18,580,889 ✓

B

N-8	— ✓	—	—	—	—	—
N-10	43,553 ✓	137,193 ✓	2.10 ✓	4.07 ✓	288,239 ✓	559,063 ✓
N-12	29,613 ✓	93,281 ✓	2.32 ✓	5.10 ✓	216,408 ✓	475,679 ✓
N-14	53,641 ✓	168,969 ✓	3.06 ✓	4.98 ✓	517,647 ✓	840,742 ✓
N-16	15,665 ✓	49,345 ✓	3.84 ✓	4.11 ✓	140,226 ✓	202,794 ✓
N-18	2,667 ✓	8,401 ✓	4.50 ✓	5.70 ✓	37,804 ✓	47,886 ✓
N-20	7,223 ✓	22,752 ✓	3.06 ✓	3.72 ✓	69,621 ✓	84,638 ✓
	152,362 ✓	479,941 ✓	2.65 ✓	4.61 ✓	1,269,945 ✓	2,210,802 ✓

(X)

N-S SECTIONS - SMALL DEE BODY

(XI)

SECTION	CU. YDS	TONS	% PB	% ZN	TONS x % PB	TONS x % ZN
			S			
E-6	108,482 ✓	341,719 ✓	2.54 ✓	4.83 ✓	869,646 ✓	1,651,750 ✓
E-8	150,274 ✓	473,363 ✓	3.78 ✓	5.34 ✓	1,789,338 ✓	2,529,408 ✓
E-10	220,327 ✓	694,014 ✓	3.58 ✓	5.59 ✓	2,482,494 ✓	3,882,407 ✓
E-12	166,783 ✓	525,366 ✓	3.76 ✓	5.14 ✓	1,977,306 ✓	2,701,438 ✓
E-14	206,435 ✓	650,270 ✓	3.86 ✓	3.76 ✓	2,511,689 ✓	2,445,517 ✓
E-16	54,011 ✓	170,135 ✓	2.67 ✓	5.14 ✓	454,463 ✓	874,057 ✓
E-18	96,169 ✓	302,930 ✓	2.73 ✓	5.96 ✓	828,337 ✓	1,806,583 ✓
	1,002,476 ✓	3,157,797 ✓	3.46 ✓	5.03 ✓	10,913,273 ✓	15,891,160 ✓
			B			
E-6	21,362 ✓	67,291 ✓	2.86 ✓	5.19 ✓	192,792 ✓	349,419 ✓
E-8	65,612 ✓	206,679 ✓	3.15 ✓	4.75 ✓	650,700 ✓	981,270 ✓
E-10	32,347 ✓	101,894 ✓	3.29 ✓	5.17 ✓	335,173 ✓	526,530 ✓
E-12	16,148 ✓	50,866 ✓	3.09 ✓	4.46 ✓	157,285 ✓	226,621 ✓
E-14	29,325 ✓	92,374 ✓	2.66 ✓	3.93 ✓	246,178 ✓	363,488 ✓
E-16	41,332 ✓	130,196 ✓	2.07 ✓	4.17 ✓	269,841 ✓	543,367 ✓
E-18	11,223 ✓	35,352 ✓	2.46 ✓	4.75 ✓	86,875 ✓	167,835 ✓
	217,349 ✓	684,652 ✓	2.83 ✓	4.61 ✓	1,938,844 ✓	3,158,526 ✓

(XI)

FA-7120

FA-7201

FX-72104

WASTE DUMP

PIPELINE

E 12,000

E 14,000

E 16,000