

Pb FERTOPPE

017030

GRUM

A-135	130.4 - 130.7 (m)	4DE
A-19	681.0 - 685.0 (ft)	4E1-4C0
A-23	347.0 - 351.0 (ft)	4G

SWIM

A-31	252.4 - 255.4	ft.	4CEL
A-30	422.0 - 424.0	ft.	4EL7
A-35	365.0 - 368.0	"	4E8
A-25	332.0 - 335.0	"	4E8
A-13	131.0 - 133.0	"	4E6 ?

VANGORDA

V-47-R	190.0	ft.	4G8
V-95-R	250.0	ft.	4E6
V-35-R	150.0	ft.	4FLE86
V-96-R	290.0	ft.	4EG
V-94-R	169.0	ft.	464
V-20-R	260.0	ft.	4G0



## ISOTOPE SAMPLES


PROJECT: FARO

UBC No.	DDH	Depth Interval (ft)	Lithology	Depth Interval (ft)	Comments
772	66-10(A)	571-577	2D4 0Q0 2E3	571-573 573-574 574-578	relogged
753	66-15	307-311			
752	66E1	182-191	2F2 → 2F0 2E1 2JB	182-189 189-190.5 190.5-200	relogged
809	66-33	370-384	2E6	365-380 380-391	relogged
810	67-34	400-408	<del>2H</del> 2C		original core
811	67-4	464-465	2G0	461.3-465	relogged



I S O T O P E   S A M P L E S

## PROJECT SWIM

UBC No.	DDH	Depth (ft)	Lithology	Comments
819	A24			Core <del>not available</del> <sup>missing</sup> <del>Not available</del>
820	A28	255	4E0 to 4E4	from core
821	A29	141	4J8	 from core.
822	A30	480	4E8 to 4J8	from core

ISOTOPE SAMPLES

PROJECT : VANGORDA

UCL No.	DDH	Depth Interval (ft)	Lithology	Interval	Comments
818	33	245-270	4CB	224.4-247.	<del>re-drill</del>
			4CF	247-253	lithology
			4CB	253-264.5	from
			4CB	264.5-284.5	re-drill - 1979
816	81	413-415	interval greater than recorded EOH.		
771	72	38-42	O/B	0-39	lithology from
			4DB67	39-43.	re-drill - 1979
815	56	95-115	4C98	88-170	lithology from relog of original hole - 1979
757.	26	220-235	4K0	217.3-227.6	lithology
			4G4	227.6-237.5	from re-drill - 1979

more space

Large Fans not yet

Sect 72

66-15 - copy of log - YVR

81 - 413-415 EOH at 356

Samples along baseline

Large Fans

66-33

370-384

365-380

2E6

380-391

2E0

relogged revision

66-15

unreported relogged

67-34

not relogged - At Murray

67-26

78-80

75.5-80.0

2F6

relogged

67-27

115-117

114-116

2D0

116-131

2A0

relogged

Vanguard

V 33

245-270

redrill

244.4-247

4C8

247-253

4C7

253-264.5

4C8

264.5-284.5

4C8

rechecked in next

V81

interval packer (Pond FAH)

V72

39-42

redrill

0-39 OVD

39-42

40867

V56

95-115

relayed

was <sup>use of</sup> original hole

88-170 - 4098

V26 - redrill

220-235

217.3 - 227.6 4K0

227.6 - 237.5 4G4

SWIM LAKE

A24 - not present

from core

A28

A29

A30

4E0 to 4E4

4J8

4E8 & 4J8

# FARO DEPOSIT

DDH	Footage	Lithologies
66-10A	571-577	
	571-573	2D4 (10% Pb+Zn)
	573-574	000
	574-578	2E3 ~20% SiO <sub>2</sub>
<hr/>		
66E1	182-191	
	182-189	2F2 → 2F0 locally lost core
	189-190.5	2E1 20% SiO <sub>2</sub> 10% magnetite
	190.5-200	2J3 marcassite minor Pb
<hr/>		
67-4	464-465	
	461.3-465.0	2G0 ~20% BaSO <sub>4</sub>

TABLE 4.1 LEAD ISOTOPE ANALYSES, ANVIL RANGE GALENAS

UBC No.	LOCATION Drill hole (footage)	Pb <sup>206</sup> /Pb <sup>204</sup>	Pb <sup>207</sup> /Pb <sup>204</sup>	Pb <sup>208</sup> /Pb <sup>204</sup>
<u>FARO DEPOSIT</u>				
(NTS/105K 62°22'N, 133°22'W)				
→ 3772	66-10 (571-577) sect 122 (66-101)	18.349	15.662	38.326
→ 1753	66-15 (307-311) sect 10B	18.354	15.672	38.332
→ 3752	66E1 (182-191) SE of sect 132	18.374	15.672	38.374
→ 1809	66-33 (370-384) sect 113	18.365	15.668	38.345
→ 1810	67-34 (400-408) sect 103	18.370	15.667	38.358
→ 3811	67-4 (464-465) sect 12B	18.368	15.657	38.312
→ 2812	67-26 (78-80) N18, E8	18.346	15.670	38.321
→ 2813	67-27 (115-117) N12, E14	18.401	15.683	38.409
→ 755	Coarse galena in pod ½ mile E. of mine	18.392	15.672	38.401
<u>VANGORDA DEPOSIT</u>				
(NTS/105K 62°14'N, 133°13'W)				
→ 818	33 (245-270)	18.365	15.676	38.334
→ 816	81 (413-415)	18.346	15.668	38.273
→ 771	72 (38-42)	18.351	15.662	38.272
→ 815	56 (95-115)	18.356	15.662	38.315
→ 757	26 (220-235)	18.351	15.668	38.309
<u>SWIM DEPOSIT</u>				
(NTS/105K 62°13'N, 133°02'W)				
822	A30 (480)	18.336	15.659	38.273
820	A28 (255)	18.338	15.666	38.293
819	A24 (176)	18.346	15.664	38.297
821	A29 (141)	18.341	15.669	38.309
<u>SEA DEPOSIT</u>				
(NTS/105K 62°11'N, 132°54'W)				
823	2 (222) (Late vein)	18.486	15.668	38.457
754	2 (232)	18.224	15.635	38.142
* * *				
<u>VEINS IN ANVIL BATHOLITH</u>				
758	NTS/105K 62°19'N, 133°5'W	19.230	15.725	39.325
876	NTS/105K 62°22'N, 133°8'W	19.217	15.724	39.293

Jilson & Chandra

Galena samples were taken from typical massive or banded pyritic ore, except for 755, 823 and the two veins in the Anvil Batholith.

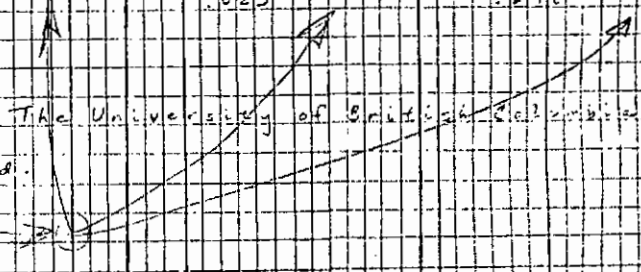
STATEMENT NO.	FORTRAN STATEMENT	IDENTIFICATION	STATEMENT NO.	FORTRAN STATEMENT				
1	SAMPLE NUMBER	DEPOSIT NAME	MAP NAME	LAT. ° NORTH	LONG. ° WEST	LEAD ISOTOPE DATA (RELATIVE IS)	ERROR (AS %)	REMARK
10070-001	MAXI	60	61.63	129.17	18.749 (.110)	15.726 (.06)	38.843 (.07)	
10071-001	VULCAN: 105/I/08	70	62.31	128.21	18.768 (.110)	15.737 (.10)	38.956 (.110)	
10072-002	VULCAN: 105/I/08	70	62.31	128.21	18.814 (.08)	15.671 (.110)	39.465 (.110)	
10072-003	VULCAN: 105/I/08	70	62.31	128.21	18.840 (.09)	15.730 (.08)	38.878 (.09)	
	AVERAGE FOR VULCAN		62.31	127.21	[18.807 (.08)]	[15.713 (.09)]	[39.100 (.110)]	
10073-001	MAIT-BERRY		61.47	129.40	18.689 (.07)	15.698 (.06)	38.576 (.08)	
10082-001	PELLY		62.03	132.12	19.413 (.05)	15.771 (.08)	39.524 (.07)	
10082-001	HART RIVER		64.63	136.87	16.521 (.08)	15.453 (.07)	36.459 (.13)	
10082-100	HART RIVER		64.63	136.87	16.517 (.12)	15.457 (.09)	36.790 (.12)	
	AVERAGE FOR HART RIVER		64.63	136.87	[16.519 (.10)]	[15.455 (.08)]	[36.374 (.12)]	
10084-001	A+E		60.12	130.43	19.516 (.08)	15.714 (.07)	39.657 (.11)	
10089-001	MCMILLAN		60.50	127.93	20.098 (.06)	15.820 (.09)	39.989 (.10)	
10092-001	GRUM: GRAB SAMPLE		62.27	133.23	18.846 (.10)	15.717 (.08)	38.879 (.08)	
10092-048	GRUM-HOLE A135-52		62.27	133.23	18.846 (.05)	15.688 (.13)	38.607 (.15)	
10092-135	GRUM-HOLE A135-20?		62.27	133.23	18.409 (.10)	15.646 (.19)	38.219 (.06)	
10092-151	GRUM-HOLE A135-143		62.27	133.23	18.405 (.10)	15.686 (.10)	38.517 (.07)	
10092-332	GRUM-HOLE U21-15		62.27	133.23	18.401 (.09)	15.691 (.09)	38.227 (.11)	
10092-333	GRUM-HOLE U21-41		62.27	133.23	18.375 (.10)	15.642 (.07)	38.320 (.13)	
10092-343	GRUM-HOLE U10-10		62.27	133.23	18.475 (.10)	15.711 (.07)	38.373 (.08)	
10092-491	GRUM-HOLE U12-125		62.27	133.23	18.403 (.08)	15.643 (.09)	38.342 (.09)	
	AVERAGE FOR GRUM		62.27	133.23	[18.470 (.09)]	[15.678 (.09)]	[38.427 (.08)]	
10093-001	PIKE		62.18	130.65	19.321 (.06)	15.731 (.11)	39.421 (.10)	
10094-001	RAY	place ewad by deposit	61.97	130.02	18.672 (.05)	15.704 (.12)	38.788 (.05)	
10095-001	NAR		62.03	129.84	19.324 (.12)	15.722 (.07)	39.460 (.09)	
10100-001	H00		61.53	131.55	18.933 (.08)	15.705 (.08)	38.804 (.10)	
10100-001	H00 (REPEATED)		61.53	131.55	18.877 (.07)	15.678 (.07)	38.651 (.05)	
	AVERAGE FOR H00		61.53	131.55	[18.905 (.08)]	[15.702 (.08)]	[38.728 (.08)]	
10103-001	DY		62.23	133.20	18.419 (. )	15.610 (. )	38.322 (. )	
10103-002	DY		62.23	133.20	18.431 (. )	15.644 (. )	38.384 (. )	
10103-003	DY		62.23	133.20	18.431 (. )	15.676 (. )	38.374 (. )	
10103-004	DY		62.23	133.20	18.383 (. )	15.660 (. )	38.338 (. )	
10103-005	DY		62.23	133.20	18.411 (. )	15.685 (. )	38.385 (. )	
10103-006	DY		62.23	133.20	18.396 (. )	15.658 (. )	38.385 (. )	
10103-007	DY		62.23	133.20	18.411 (. )	15.650 (. )	38.432 (. )	
10103-008	DY		62.23	133.20	18.377 (. )	15.591 (. )	38.119 (. )	
10103-009	DY		62.23	133.20	18.473 (. )	15.662 (. )	38.493 (. )	
10103-010	DY		62.23	133.20	18.424 (. )	15.655 (. )	38.327 (. )	
10103-011	DY		62.22	133.20	18.377 (. )	15.633 (. )	37.305 (. )	
10103-012	DY		62.23	133.20	18.417 (. )	15.648 (. )	38.333 (. )	
10103-013	DY		62.23	133.20	18.389 (. )	15.650 (. )	38.424 (. )	
10103-014	DY		62.23	133.20	18.403 (. )	15.648 (. )	38.415 (. )	
10103-015	DY		62.23	133.20	18.404 (. )	15.599 (. )	38.268 (. )	
10103-016	DY		62.23	133.20	18.407 (. )	15.661 (. )	38.119 (. )	
10103-017	DY		62.23	133.20	18.411 (. )	15.672 (. )	38.414 (. )	
10103-018	DY		62.23	133.20	18.512 (. )	15.622 (. )	38.327 (. )	
10103-019	DY		62.23	133.20	18.451 (. )	15.635 (. )	38.527 (. )	
10103-020	DY		62.23	133.20	18.465 (. )	15.677 (. )	38.424 (. )	
10103-021	DY		62.23	133.20	18.326 (. )	15.643 (. )	37.330 (. )	
10103-022	DY		62.23	133.20	18.386 (. )	15.665 (. )	38.211 (. )	
	AVERAGE FOR DY		62.23	132.20	[18.411 (. )]	[15.647 (. )]	[38.360 (. )]	

NUMBER OF DEPOSITS (n) = 13 AVERAGE =  $\bar{x}$  [18.828 (. )] [15.699 (. )] [38.852 (. )]

NUMBER OF SAMPLES = 45 STD. ERROR MEAN =  $Sx \cdot n^{-1/2}$  0.025 0.023 0.048

1. All analyses done in the Geology - Geophysics Laboratory, The University of British Columbia.

2. All analyses done on galena samples unless otherwise noted.



# Pb isotope results

$\frac{208}{206}$  ratios

Pb in  
K-spar &  
pyrite?

Single stage age dates

Diagram showing  $207/204$  &  $206/204$

error bars  
source of Grun? data  
 $208/204$  &  $206/204$

Re-state purpose of study - original  
part of sequence.

## Pb isotope samples

Swim - only has 4

Sea - only has 2

SB - none

Firth - none

Grun - data from? (7 samples)

Deposit	# Samples	Reference	$Pb^{206}/Pb^{204}$	$Pb^{207}/Pb^{204}$	$Pb^{208}/Pb^{204}$
Faro #1			18.372 (.010)	15.671 (.008)	38.416 (.021)
Faro #2			18.412 (.004)	15.709 (.004)	38.456 (.008)

Kuo, Say-lee & R.E. Folinsbee, 1974. Lead isotope geology of mineral deposits spatially related to the Tintina Trench, Yukon Territory. *Economic Geology*, 69, 806-813

KERR ADDISON MINES LIMITED

SUITE 703 - 1112 WEST PENDER STREET  
VANCOUVER, B.C. V6E 2S5  
PHONE 682-7401

November 23rd, 1978.

Dr. David Carson,  
Noranda Exploration Company, Limited,  
P.O. Box 45,  
Commerce Court West,  
TORONTO, Ontario,  
M5L 1B6.

Dear Dr. Carson:

Pursuant to Colin Godwin's request for samples from the Grum deposit, I wrote to you because:

- (a) We had gone through two large cans of samples that Paxton and Po had brought to the Vancouver Office.
- (b) Paxton and Po are no longer with Kerr Addison Mines Ltd.
- (c) Paxton had advised me that you alone had all the necessary samples and documentation required to comply with Godwin's request.

Your letter addressed to Godwin suggests that your documentation does not relate the samples to the various mineralized zones from which the drill core specimens were taken. Accordingly I have established from a study of Fred Chow's assay sections that the relationship between the mineralized zones and Paxton's list of specimens is as follows:

ZONE	TAG NO.	DRILL HOLE NO. and depth of sample
A	14332	U21 - 15
B	14314	U145 - 50A
C	14343	U10 - 10
D	14151	A135 - 143
E	No such zone	-----
F	14491	U72 - 125
G	14048	A135 - 52
H	14333	U21 - 41
	14334	U21 - 41A

Presumably you do not require anything but the tags to comply with Colin Godwin's request but in the event of future inquiry, knowing the relationship