

DATE: September 29, 1987
A TO: A. J. Davidson, D. H. Watkins, G. Evans
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DE FROM: I. D. Pirie
SUJET SUBJECT: SAMATOSUM DRILL PROGRAM - FALL 1987

Attached is a list of diamond drillholes required to comprehensively test the immediate area of the Samatosum deposit. These are detailed into 3 groups, as follows:-

GROUP A - SAM DEPOSIT AREA

These holes are required to tighten control on the known sulphides, improve our understanding of complex areas within the deposit and test for extensions or additional pods along strike and downdip. Intercepts are plotted on the accompanying long section.

A total of 5,460m in 34 holes is proposed. These are all first priority as they could directly influence development of the Sam deposit.

GROUP B - SILVER HORIZON REMOTE FROM DEPOSIT

These holes will explore for deposits of similar size or larger than Sam, along strike to the northwest. A total of 7,170m in 35 holes is proposed. Of these, P1001-P1015 are considered first priority because of their proximity to Sam and to the likely pit area and waste dumps. The rest are second priority.

GROUP C - OTHER TARGETS

This group includes other geophysical, geochemical and geological targets in the area likely to be affected by a pit and other mine infrastructure. A total of 3,945m in 29 holes is proposed. Most are first priority targets.

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A.

SAM DEPOSIT AREA

	<u>LINE (NW)</u>	<u>DEP (NE)</u>	<u>LOC. COMMENT</u>	<u>ANGLE</u>	<u>LENGTH</u>	<u>TARGET COMMENT</u>
P1	95 + 70	6 + 65	pad of RG 127	-62°	220m	35m updip 127
P2	"	"	"	-80°	250m	35m downdip 127
P3	"	"	"	-90°	250m	70m downdip 127
P4	95 + 70	7 + 15	road into 76, 77 etc.	-88°	275m	105m downdip 127
P5	96 + 00	6 + 38	pad of 133,134	-65°	200m	30m updip 133
P5A	96 + 25	6 + 72	pad of 132 etc.	-59°	220m	updip 130
P6	96 + 34	6 + 72	pad of 130, 132 etc.	-50°	220m	in triangle formed by 74, 124 and 134
P6A	96 + 53	6 + 75	just beyond 130, 132 etc.	-67°	225m	downdip 74
P7	97 + 00	7+00-8+50	down from 119, 122 or up from 85, 86		250-300	between 76, 85 MS
P8	96 + 86	6 + 10	~1618EL along from 123, 124	-90°	165m	gap 122, 123, 112 form
P9	97 + 38	6 + 35	in area of unused pad in front of 109 etc.		130m	gap 109/126/64 block A
P10	97 + 38	6 + 95	pad of 112 etc.	-71°/225°	175m	gap 106,101/112,115
P11	97 + 82	6 + 10	off road to 99	-53°	80m))) fill gap between sections
P12	"	"	"	-85°	100m	
P13	97 + 82	6 + 45	along contour from 71, 72	-90°	125m	
P14	98 + 00	8 + 00	off road to 85, 86	-89°	300m	downdip 72/85
P15	98 + 25	5 + 90	on road to 89	-77°	80m	updip 89
P15A	98 + 30	6 + 55	on road beyond 99	-77°	110m	downdip 89
P16	98 + 60	7 + 75	on road to 87/88	-82°	250m	downdip 93
P17	99 + 10	6 + 70	pad of 102, 104, 105	-80°	100m	refine 104/105 interp
P17A	98 + 75	7 + 15	collar of 121	-71°	150m	downdip 65

A. Cont'd.

P18	99 + 52	6 + 72	Pad of 111	-65°	80m	updip 111 (3)
P19	100 + 00	7 + 00	off road to 63	-62°	120m	30m downdip 113
P20	"	"	"	-90°	100m	65m downdip 113
P21	100 + 00	7 + 50N	off road to 63	-89°	140m	120m downdip 113
P22	100 + 35	7 + 78N	beyond 63	-70°	190m	new section
P23	"	"	"	-89°	250m	"
P24	100 + 65	6 + 60N	on road to 131	-55°	50m	updip 131
P25	101 + 00	6 + 50	+35m from P26	-90°	60m	along strike 131
P26	101 + 00	7 + 25	split 131/129 on 101	-52°	120m	depends on collar elevation
P27	101 + 00	7 + 25	-50m from P26	-90°	125m	"
P28)				70m	
P29) long section holes				125m	
P30) on L101 + 50					
) Locations depend on success of P25-27 and topography				130m	

B.SILVER HORIZON REMOTE FROM DEPOSIT

P1001	100 + 00	8 + 20 NE	-90°	170m	downdip 63/73
P1002	100 + 50	9 + 00 NE	-65°	210m	along strike 48 (poss. shorter)
P1003	100 + 50	9 + 00	-90°	240m	-75m from 1002 (poss. shorter)
P1004	101 + 25	8 + 65	-53°	120m	updip and over/48
P1005	101 + 25	8 + 65	-90°	170m	-75m from 1004
P1006	101 + 25	10 + 00	-65°	225m	-75m from 1005
P1007	101 + 25	10 + 00	-87°	275m	-75m from 1006
P1008	102 + 00	10 + 15	-72°	215m	-75m from 45
P1009	102 + 00	10 + 15	-90°	270m	-75m from 1008
P1010	102 + 75	10 + 10	-60°	150m	-70m from 45
P1011	102 + 75	10 + 10	-90°	200m	-75m from 1010
P1012	102 + 75	11 + 00	-82°	250m	-75m from 1011
P1013	103+ 50	9 + 85 Collar of	-45°	160m	above 42
P1014	103 + 50	10 + 55 ^{RG-42}	-69°	175m	below 42
P1015	103 + 50	10 + 55	-90°	225m	below 1014
P1016	104 + 25	9 + 15	-55°	100m	
P1017	104 + 25	9 + 15	-90	150m	
P1018	104 + 25	10 + 25	-73°	225m	
P1019	104 + 25	10 + 25	-90°	325m	
P1020	105 + 00	10 + 50 NE	-50°	200m	-75m from 40
P1021	105 + 00	10 + 50	-73°	235m	-75m from 1020
P1022	105 + 00	10 + 50	-90	275m	-75m from 1021
P1023	105 + 75	9 + 85	-53°	100m	
P1024	"	9 + 85	-90°	150m	
P1025	"	10 + 80	-75°	225m	
P1026	"	10 + 80	-90°	275m	
P1027	106 + 50	11 + 10	-75°	250m	
P1028.	106 + 50	11 + 10	-90°	300m	
P1029	107 + 25	10 + 35	-46°	100m	
P1030	"	10 + 35	-90°	135m	
P1031	"	11 + 50	-71°	210m	
P1032	"	11 + 50	-90°	250m	
P1033	108 + 00	11 + 10	-66°	160m	
P1034	"	11 + 10	-90°	200m	
P1035	"	11 + 70	-90°	250m	

Total

7170m

C.

"OTHER" TARGETS

	<u>LINE(NW)</u>	<u>DEP(NE)</u>	<u>LOCATION COMMENT</u>	<u>ANGLE</u>	<u>LENGTH</u>	<u>COMMENTS</u>
P100	112 + 00	8 + 50	junction of spur road	-50°	150m	Fence
P101	111 + 75	7 + 50	on spur road	-50°	150m	Fence
P102	111 + 25	6 + 25	on spur road	-50°	150m	test Max Min
P103	111 + 40	5 + 00	NW spur road	-50°	150m	Fence
P104	110 + 80	3 + 75	on spur road	-50°	125m	Fence
P105	110 + 00	2 + 75	above spur road	-50°	150m	test Rea Horizon
P106	110 + 00	6 + 25	in clear cut	-50°	200m	2 Max Mins + soil
P107	109 + 00	9 + 10	"	-50°	125m	VLF + soil
P108	108 + 00	5 + 00	"	-50°	135m	VLF
P109	104 + 00	6 + 00	clearcut above access road	-50°	150m	Max Min/VLF/soils
P110	108 + 00	7 + 60	clearcut below access road	-50°	150m	2 VLFs
P111	103 + 00	5 + 15	clearcut above access road	-50°	135m	VLF/Max Min
P112	103 + 00	4 + 00	"	-50°	150m	Fence
P113	103 + 00	2 + 75	"	-50°	150m	Fence + VIF behind RG-15
P114	102 + 00	6 + 25	in trees	-50°	100m	soils
P115	101 + 00	4 + 65	"	-50°	100m	VIF/Max Min
P116	108 + 50	2 + 55	in clearcut	-50°	125m	Rea Horizon/Max Min
P117	107 + 00	2 + 65	in clearcut	-50°	125m	"
P118	105 + 50	2 + 20	in clearcut	-50°	150m	Rea Horizon/Max Min
P119	106 + 70	6 + 25	"	-50°	125m	Middle Max Min
P120	105 + 50	5 + 80	near landing	-50°	125m	"
P121	102 + 00	7 + 75	in front of Barite zone	-50°	150m	Fence
P122	98 + 00	4 + 10		-50°	100m	soil anomaly
P123	95 + 50	4 + 75	in front of RG53	-50°	135m	Ag-soil/Max Min
P124	95 + 50	3 + 75		-50°	120m	Ag-soil
P125	95 + 50	3 + 00	beneath 46	-50°	135m	Max Min
P126	94 + 00	3 + 65	on RG-50 section	-50°	150m	Ag-soils + VLF
P127	94 + 00	2 + 50	"	-50°	100m	Max Min
P128	93 + 00	4 + 25		-50°	135m	soils converge
Total					3945	