803689

KERR PROJECT D.D.HOLE K-88-18

LOCATION P-ZONE JUST EAST OF GLACIER
DATE STARTED AUGUST 10, 1988
DATE COMPLETED AUGUST 12, 1988
CORE RECOVERY 90.37%
DRILLED BY FALCON DRILLING LTD
LOGGED BY S. CASSELMAN
OBJECTIVE INTERSECT NORTH EXTENSION OF B-ZONE FAULT/MINERALIZATION

COLLAR LAT. 10229.1 NORTH
LONG. 9599.5 EAST
ELEVATION 1468.8 m
AZIMUTH 060 DIP -60 deg
LENGTH 255.42 m
HOR. PROJ. 149.31 m
VERT. PROJ. 255.42 m

DIP TEST DEPTH 255.42 m DIP -48 deg
DEPTH _____m DIP_____deg

FROM (m)	TO (m)	WIDTH (m)	DESCRIPTION
0.00	3.05	3.05	OVERBURDEN
3.05	26.60	23.55	SERICITE-CHLORITE-PYRITE SCHIST - intensely sericitized and chloritized, well foliated with 10 to 20% pyrite (locally up to 40% pyrite) as wisps and veinlets paralleling foliation - foliated at 40 deg to C.A. - light to medium-grey colour - 1 to 5% quartz-calcite veining (paralleling foliation) - trace to .5% chalcopyrite with chalcocite - 15% spotty chlorite - top 2.0 m of hole is fractured and weathered - limonitic - apart from top 2 m rock is quite competent, with solid core, average length of pieces is about 25 - 30 cm - towards bottom of section (nearing fault) silicification is more prominent - last 4 m is 10 to 15% silicified, in sections 1 cm to 20 cm wide - fault contact at 45 deg to C.A.
26.60	35.40	8.80	FAULT ZONE / QUARTZ-SERICITE-PYRITE SCHIST - quite sheared and fractured, soft sericite schist - average pieces 3 to 7 cm long with sections of sericitic gouge

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FROM (m)	TO (m)	WIDTH (m)	DESCRIPTION
			- 2 to 3% silicification, 5% spotty chlorite - 7 to 10% disseminated pyrite with chalcocite rims - limonitic fractures and blocks - foliation at 25 to 50 deg C.A. - trace of epidote - lower contact at 60 deg to C.A. - 1% anhydrite
35.40	38.80	3.40	SERICITE SCHIST - as in 3.05 to 26.6 - competent sericite schist section - average core length 10 to 15 cm - foliation at 55 deg to C.A. - 10 to 15% pyrite veins and stringers paralleling foliation - trace of chalcopyrite, .5% chalcocite - .5% white gypsum on fracture surfaces - trace of dendritic native copper on fracture surfaces
38.80	45.40	6.60	FAULT ZONE / QUARTZ - SERICITE - PYRITE SCHIST - moderately fractured, average piece 5-10 cm long - foliated from 55 to 80 deg to C.A. - fractured at 55 to 80 deg, parallel to foliation - 10 to 15% vuggy silicification with disseminated pyrite and chalcopyrite and a trace of chalcocite - pyrite also occurs in veins - 15% chlorite spots - 1 to 2% limonite on fracture surfaces and in vugs
45.40	75.85	30.45	SILICA STOCKWORK - PYRITE - CHALCOPYRITE-CHALCOCITE ZONE - quite competent, average piece 20 to 25 cm - medium grey to green colour with white to light grey silica patches - from 65.0 to 75.85 m massive silica-pyrite-chalcopyrite-chalcocite breccia at 50.0 m - 30 cm bull white quartz vein with 2% chalcopyrite as large (2 cm) blebs - quartz veining and weak foliation at 40 deg - intense silicification and sericitization - pyrite, chalcopyrite and chalcocite occur as disseminations, veinlets, blebs, patches,

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FROM (m)	TO (m)	WIDTH (m)	DESCRIPTION
			and wispy stringers in brecciated silica zone, sulphides occur as wispy stringers and veins surrounding quartz fragments - pyrite occurs mainly as stringers - chalcopyrite occurs as blebs - chalcocite as fine amorphous dark grey patches, generally around other sulphides
75.85	77.70	1.85	ANDESITE DYKE - medium to dark green, moderate chloritization, weak sericitization - 5% quartz-calcite veining - < 1% pyrite
77.70	87.78	10.08	SERICITE-CHLORITE SCHIST - medium grey-green colour, mottled and patchy chlorite, pervasive sericite - weak to moderately foliated at 50 deg to C.A. - disseminated and stringer pyrite (10 to 15%) - 1 to 5% quartz veining, generally barren of sulphides - towards bottom (83.7 to 85.7) becomes quite fractured with some fault gouge - possible protolith : medium-grained andesite dyke as in section 9.0 to 26.6 m
87.78	89.28	1.50	ANDESITE DYKE - as in 75.85 to 77.7 m - light to medium green - moderate chloritization, weak sericitization - 1% quartz-calcite veining, <1% pyrite - upper contact at 30 deg, lower at 55 deg to C.A.
89.28	91.90	2.62	SERICITE-CHLORITE SCHIST - as in 77.7 to 87.78 m
91.90	103.25	11.35	SHEARED ANDESITE DYKE - medium-grained - medium to dark green, relic hornblende and plagioclase crystals evident, alteration to chlorite and sericite - moderate chlorite - weak to moderate sericite - contains xenoliths of silicified dacite tuff up to 10 cm long - brecciated with chlorite matrix

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FROM (m)	TO (m)	WIDTH (m)	DESCRIPTION
			- weak foliation defined by alignment of tabular crystals at 40 deg to C.A. parallels fracture planes which are at 40 deg and 70 deg to C.A. - fairly competent core average length 10 to 20 cm
103.25	111.90	8.65	DACITE TUFF BRECCIA - similar to breccia in the bottom of hole K-87-13 / K-88-6 - medium to dark grey-green - intense chloritization, moderate sericitization - subangular to rounded tuff clasts in a chlorite-sulphide matrix - traces of native copper on fracture surfaces - 5% clayey vugs / veins - 10 to 15% fine disseminated pyrite - trace to 1% chalcopyrite and chalcocite with bornite - 1 to 5% quartz veining (bull white), generally containing sulphides, mainly chalcopyrite and chalcocite - sample # 3183 contains 5% quartz, chalcopyrite, and chalcocite veins from .5 to 8 cm wide - chalcopyrite generally has a chalcocite coating
111.90	117.60	5.70	FAULT ZONE / SERICITIZED CHLORITIZED ANDESITE DYKE - intensely sericitized spotty and wispy chlorite - 10% finely disseminated and stringer pyrite - foliated and fractured at 55 deg to C.A. - average piece 5 cm long
117.60	145.85	28.25	SILICA STOCKWORK - PYRITE - CHALCOPYRITE-CHALCOCITE ZONE - as in 65.0 to 75.85 - massive silica, pyrite, chalcopyrite, chalcocite, however much more sulphides (especially chalcopyrite) present - light grey to white colour with grey-blue wisps of sulphides throughout - occasional (1%) veins up to 8 cm wide of almost massive chalcopyrite with some pyrite

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FROM (m)	TO (m)	WIDTH (m)	DESCRIPTION
			- most prominent vein orientations are 40 to 60 deg to C.A. - trace of bornite as blebs at 119.0 m to 130.0 m - core is very competent average piece 15 to 20 cm - very intense silica-sulphide stockwork
145.85	146.27	0.42	ANDESITE DYKE - medium green, fine-grained as in sections 75.85 to 77.7 m and 87.78 to 89.28 m - upper contact at 20 deg, lower contact at 65 deg to C.A.
146.27	147.27	1.00	SILICA STOCKWORK - PYRITE - CHALCOPYRITE-CHALCOCITE ZONE - as in 117.6 to 145.85 m
147.27	147.55	0.28	ANDESITE DYKE - as in 145.85 to 146.27 m - upper contact at 60 deg, lower at 20 deg
147.55	169.90	22.35	SILICA STOCKWORK - PYRITE - CHALCOPYRITE-CHALCOCITE ZONE - as in sections 117.6 to 145.85 m and 146.27 to 147.27 - 1 to 5% chalcopyrite, 1 to 2% chalcocite - from 161 m chalcopyrite and chalcocite content drops off to a maximum of 1% combined - also the silica content drops while the sericite content increases
169.90	173.35	3.45	SHEARED ANDESITE DYKE - light to dark green, medium-grained - various intensities of chlorite and sericite alteration - where sheared and schistose becomes more sericitic with alignment of sericite and chlorite bands - competent (unsheared) sections are more chloritic with large globs of massive chlorite in quartz-calcite-ankerite (?) veins to 8% - where rock less sheared, the protolith is recognized as being medium-grained, weakly porphyritic with hornblende crystals up to 2 mm long - the medium-grained andesite dykes differ from the fine-grained andesite dykes in that

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FROM (m)	TO (m)	WIDTH (m)	DESCRIPTION
			they are an earlier intrusive stage, hence have been sheared and are more altered, and in places are cut by the fine-grained andesite dykes at a later date. The fine-grained dykes are relatively fresh, unsheared, with 1 mm to 1 cm chilled contacts, minor chloritization and sericitization - foliated at 40 deg to C.A.
173.35	180.90	7.55	FINE-GRAINED ANDESITE DYKE - medium to dark green moderate chloritization - 3 to 5% quartz-carbonate-chlorite-ankerite veins - < 1% pyrite veins at 20 to 90 deg to C.A. - upper contact at 85 deg, lower contact at 85 deg to C.A. - generally, around quartz veining there is bleaching of the andesite dyke
180.90	187.10	6.20	SERICITE-QUARTZ-PYRITE SCHIST - overall light to medium grey with irregular, wavy brighter and darker bands of sericite, sulphides, and minor chlorite and quartz bands - possibly a sheared, altered, medium-grained andesite dyke, however - much more intensely altered than in section 169.9 to 173.35 - chlorite spots, may be interpreted to be relic hornblende - silicification forms patches - approximately 15% disseminated and stringer pyrite - traces of epidote
187.10	188.70	1.60	ANDESITIC TO MAFIC DYKE - medium to dark green to light grey-green at lower contact where dyke is bleached - abundant chlorite, minor sericite, < 1% pyrite - upper contact at 40 deg, lower contact at 80 deg to C.A. - dyke is slightly magnetic, suggesting composition is probably mafic
188.70	191.80	3.10	MEDIUM-GRAINED ANDESITE DYKE - as in 169.9 to 173.35 m - intensely sheared and sericitized, however, relic medium-grained andesitic texture is evident

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FROM (m)	TO (m)	WIDTH (m)	DESCRIPTION
			- foliated at 15 deg to C.A. - medium to dark grey to green colour - 10 to 15% pyrite, 5 to 10% silicified patches
191.80	192.25	0.45	PORPHYRITIC ANDESITE DYKE - medium limy green colour, slight foliation developed at 60 deg to C.A., gradational upper and lower contacts - possibly less sheared and altered equivalent of rock above and below
192.25	196.45	4.20	SHEARED MEDIUM-GRAINED ANDESITE DYKE / SERICITE SCHIST - as in section 188.7 to 191.8
196.45	197.00	0.55	FINE-GRAINED ANDESITE DYKE - bleached light to medium grey green - as in section 187.1 to 188.7 m - upper contact at 65 deg, lower contact at 55 deg
197.00	199.60	2.60	SHEARED MEDIUM-GRAINED ANDESITE DYKE / SERICITE SCHIST - as in 188.7 to 191.8 and 192.25 to 196.45
199.60	200.50	0.90	MEDIUM-GRAINED PORPHYRITIC ANDESITE DYKE - as in 191.8 to 192.25 - slight foliation developed at 60 deg to C.A. - gradational upper and lower contacts - appears to be less sheared and altered equivalent of overlying and underlying rock
200.50	210.50	10.00	SHEARED MEDIUM-GRAINED ANDESITE DYKE - as in sections 188.7 to 191.8, 192.25 to 196.45, however, narrow sections of fresh, medium-grained, slightly porphyritic andesite dyke have been included in this section - fresh medium-grained dyke occurs at 206.9 to 207.45 m 207.72 to 208.0 m 208.75 to 209.15 m - the section of sheared material contains an increased amount of silica veins and blebs, up to 10 to 15%

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FROM (m)	TO (m)	WIDTH (m)	DESCRIPTION
210.50	213.50	3.00	MAFIC DYKE - dark green to brownish, homogeneous, fine-grained with 2% 1-5 mm calcite/dolomite amygdules - slightly magnetic, < 1% very fine-grained pyrite - at 211.05 m the core is pulverized to a dark grey flour - small fault zone - fault zone is approximately .70 m wide - upper contact is quite sharp at 90 deg to C.A. - lower contact has a 10 cm bleached chill margin and is at 60 deg to C.A.
213.50	218.15	4.65	SHEARED MEDIUM-GRAINED ANDESITE DYKE - as in 200.5 to 210.5 m with sections of fresh medium-grained andesite dyke at 215.03 to 215.3 m 216.95 to 217.36 m - from 213.5 to 214.5, 10% silica, 15-18% pyrite - remainder is intensely sericitized
218.15	229.10	10.95	FINE-GRAINED ANDESITE DYKE - homogeneous medium grey colour - 10 cm chilled contact, very fine-grained greenish at upper and lower contact - core of dyke is coarser grained than previously observed dykes - homogeneous grain size of .5 mm with exception of 228.15 to 229.10 where dyke has been bleached and altered around quartz veining - upper contact at 50 deg, lower contact at 25 deg to C.A.
229.10	255.42	26.32	SHEARED ALTERED ANDESITE DYKE / SERICITE SCHIST - as in previous sections, no unaltered medium-grained dyke visible - intensely sericitized, 2 to 8% silica, 10 to 25% pyrite - anhydrite vein 1 cm wide at 246.5 m - well foliated at 50 deg to C.A. - intensely sericitized, moderate chloritization E.O.H.

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Ref	North	East	RL	Azim	Dip	Length	Category	Remarks	#HOLE
8818	10229.1	9599.5	1468.8	60	60	255.42			

FROM	Dist	WDTH	RQ	ROCKNAME	UNT	TXT	SI	QV	SE	CY	CH	EP	CB	GM	A1	A2	IN	PY	CP	SP	CC	NC	M1	M2
0	3.05	3.05		OVERBURDEN																				
3.05	6.0	2.95	25	SRCT SCHT		F-MG	2	1	60	5	3		.5				95	25	.2		.5			
6.0	9.0	3.0	34	SRCT SCHT		F-MG	2	2	65	3	5		.1				95	20	.1		.5			
9.0	12.0	3.0	37	SRCT SCHT		MG	3	3	60	1	10		2				95	18	.2		.2			
12.0	15.0	3.0	39	SRCT SCHT		MG	3	5	60		10		2				95	15	.1		.2			
15.0	18.0	3.0	41	SRCT SCHT		MG	2	3	60		15		2				95	15	.1		.3			
18.0	21.0	3.0	37	SRCT SCHT		MG	3	3	60		10		3				95	15	.1		.1			
21.0	24.0	3.0	39	SRCT SCHT		MG	10	5	55		5		3				100	18	.2		1			
24.0	26.6	2.6	31	SRCT SCHT		MG	8	8	60		5		2				100	20	.1		1			
26.6	29.6	3.0	19	FAULT SRCT SCHT		FG	10	5	60	5	3		1				100	15			.5			
29.6	32.6	3.0	20	FAULT SRCT SCHT		FG	15	5	59	5	3						100	12			1			
32.6	35.4	2.8	19	FAULT SRCT SCHT		FG	10	5	60	5	5						100	12			1			
35.4	38.8	3.4	32	SRCT SCHT		MG	10	3	55	.5	10						95	18	.5		1	.1		
38.8	40.8	2.0	27	FAULT SRCT SCHT		F-MG	5	2	70	1	8						100	15	.5		2			
40.8	42.8	2.0	24	FAULT SRCT SCHT		F-MG	8	5	40	5	10						100	20	.5		3			
42.8	45.4	2.6	26	FAULT SRCT SCHT		F-MG	18	5	40		3						100	18	.8		2	.1		
45.4	48.0	2.6	34	SILC STWK		F-MG	15	5	40		15		1				100	20	1		1			
48.0	51.0	3.0	39	SILC STWK		F-MG	12	10	35	2	20	.5					95	18	1		2			
51.0	54.0	3.0	31	SILC STWK		F-MG	20	5	40		10	.1					100	20	1		2			
54.0	57.0	3.0	30	SILC STWK		F-MG	15	5	40		15		.5				100	18	1.5		1.5			
57.0	60.0	3.0	42	SILC STWK		F-MG	15	5	40		5		1				100	28	2		1	.1		
60.0	63.0	3.0	47	SILC STWK		F-MG	15	5	40		5		1				100	25	1.5		1.5			
63.0	66.0	3.0	47	SILC STWK		F-MG	40	5	25								100	25	3		2			
66.0	68.0	2.0	43	SILC STWK		F-MG	60		5								100	25	5		2			
68.0	70.0	2.0	48	SILC STWK		F-MG	60		5								100	25	3		2			
70.0	72.0	2.0	43	SILC STWK		F-MG	60		5								100	25	3		2			
72.0	74.0	2.0	46	SILC STWK		F-MG	65		5								100	20	2		2			
74.0	75.85	1.85	18	SILC STWK		F-MG	65		5								100	20	2		2			
75.85	77.7	1.85	38	ANDS DYKE		FG		5	20		10		3				40	1				.1		
77.7	80.7	3.0	37	SRCT SCHT		F-MG		5	35	3	15						70	10	.2		.1			
80.7	83.7	3.0	25	SRCT SCHT		F-MG	3	3	50	1	15						90	12	1		.5			
83.7	85.7	2.0	10	SRCT SCHT		F-MG	1	1	60	3	10						90	10	.2		.3			
85.7	87.78	2.08	42	SRCT SCHT		F-MG	1	1	50	1	10		1				70	5			.5			
87.78	89.28	1.5	38	ANDS DYKE		F-MG		1	15		10		1				30	.5						
89.28	91.9	2.62	33	SRCT SCHT		F-MG	1	1	50	1	15						80	12			.5			
91.9	95.0	3.1	35	ANDS DYKE		MG	1	.5	15	1	15	.2					35	3						
95.0	98.0	3.0	35	ANDS DYKE		MG	1	.5	20	1	15	.2					40	3	.1		.1			
98.0	101.0	3.0	32	ANDS DYKE		MG		1	20	1	20	.5					45	5						
101.0	103.25	2.25	30	ANDS DYKE		MG		.5	10	2	25	.2					40	5	.1		.1			
103.25	106.0	2.75	34	BREC DCIT TUFF		F-MG	10	2	25		35						80	10	.3		.5	.1		
106.0	109.0	3.0	43	BREC DCIT TUFF		F-MG	10	5	20	1	35						95	12	2		1			
109.0	111.9	2.9	40	BREC DCIT TUFF		F-MG	8	2	30		25						80	8	1		.8			
111.9	114.9	3.0	23	FAULT ZONE		F-MG	2	1	60	1	8						90	12						
114.9	117.6	2.7	22	FAULT ZONE		F-MG	2	1	60	1	10						90	10						
117.6	120.0	2.4	39	SILC STWK		F-MG	55		10								100	30	2		3		.2	
120.0	122.0	2.0	36	SILC STWK		F-MG	55		10								100	30	2		3		.1	
122.0	124.0	2.0	29	SILC STWK		F-MG	50		15								100	30	2		2		.1	
124.0	126	2.0	40	SILC STWK		F-MG	50		15								100	28	1		1		.1	
126.0	128	2.0	37	SILC STWK		F-MG	50		15								100	25	5		2		.1	
128.0	130	2.0	32	SILC STWK		F-MG	50		15								100	25	2		1		.1	
130.0	132	2.0	33	SILC STWK		F-MG	40		25								100	25	1		2			
132.0	134	2.0	34	SILC STWK		F-MG	45		25								100	20	3		1			

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FROM	Dist	WDTH	RQ	ROCKNAME	UNT	TXT	SI	QV	SE	CY	CH	EP	CB	GM	A1	A2	IN	PY	CP	SP	CC	NC	M1	M2
134.0	136	2.0	31	SILC STWK		F-MG	45		25								100	25	1		1			
136.0	138	2.0	37	SILC STWK		F-MG	35		35								100	20	1		.5			
138.0	140	2.0	36	SILC STWK		F-MG	40		35								100	20	1		.5			
140.0	142	2.0	47	SILC STWK		F-MG	30		30		10						100	18	5		2			
142.0	144	2.0	50	SILC STWK		F-MG	40		25		5						100	20	6		1			
144.0	145.85	1.85	44	SILC STWK		F-MG	30		40								100	22	3		1			
145.85	146.27	.42	46	ANDS DYKE		FG		1	10		5		1				20	.1						
146.27	147.27	1.0	36	SILC STWK		FG	35		40		2						100	18	2		.5			
147.27	147.55	.28	48	ANDS DYKE		FG		5	15		15						35	.2						
147.55	150.0	2.45	41	SILC STWK		FG	25		40		1						100	30	1		.5			
150.0	152	2.0	46	SILC STWK		FG	25		45		1						100	23	3		.2			
152.0	154	2.0	48	SILC STWK		FG	35		35		2						100	25	1		.5			
154.0	156	2.0	43	SILC STWK		FG	30		40		1						100	25	2		.5			
156.0	158	2.0	51	SILC STWK		FG	40		35								100	25	3		.5			
158.0	160	2.0	47	SILC STWK		FG	40		35								100	25	3		.5			
160.0	162	2.0	49	SILC STWK		FG	35		45		2						100	20	2		.5			
162.0	164	2.0	42	SILC STWK		FG	25		45		5						100	20	1		.5			
164.0	166	2.0	42	SILC STWK		FG	15		55		5						100	25	.8		.2			
166.0	168	2.0	43	SILC STWK		FG	15		60		5						100	15	.5		.2			
168.0	169.9	1.9	33	SILC STWK		FG	25		45		10						100	15	.8		.5			
169.9	172	2.1	32	ANDS DYKE		F-MG		10	10	1	40		3				65	2						
172.0	173.35	1.35	30	ANDS DYKE		F-MG		5	30	1	30		3				65	3			1			
173.35	176	2.65	45	ANDS DYKE		FG		5	5	1	30		3				40	1						
176.0	178	2.0	56	ANDS DYKE		FG		.2	5		30		.2				40	1						
178.0	180.9	2.9	55	ANDS DYKE		FG		5	15		25		5				45	1						
180.9	183.9	3.0	36	SRCT SCHT		FG	15	2	60		5		1				100	15						
183.9	187.1	3.2	30	SRCT SCHT		FG	15	3	60		5		1				100	15						
187.1	188.7	1.6	40	ANDS MAFIC DYKE		FG		.5	15	1	20	1	.5				40	1						
188.7	191.8	3.1	43	ANDS DYKE		MG	15	5		2	8		3				95	15			.5			
191.8	192.25	.45	33	PRPH ANDS DYKE		MG			15	2	10						30	1						
192.25	194.25	2.0	38	ANDS DYKE SCHT		MG	15	3	55		5	3	2				100	15	.5		.2			
194.25	196.45	2.2	40	ANDS DYKE SCHT		MG	15	3	60		3	2	2				100	12	.1		.2			
196.45	197.0	.55	50	ANDS DYKE		FG			5	1	15		1				20	1						
197.0	199.6	2.6	20	ANDS DYKE SCHT		MG	15	1	60		5		1				100	12			.5			
199.6	200.5	.9	44	PRPH ANDS DYKE		MG		5	15		25		2				50	2						
200.5	202.5	2.0	48	ANDS DYKE		MG	10	2	25		20		1				85	18						
202.5	204.5	2.0	30	ANDS DYKE		MG	17	2	50		10		1				90	15	.1					
204.5	206.5	2.0	45	ANDS DYKE		MG	10	2	40		20		1				95	25						
206.5	208.5	2.0	30	ANDS DYKE		MG	8	2	40		25	1	1				90	8						
208.5	210.5	2.0	30	ANDS DYKE		MG	5	2	40		25	1	1				90	8						
210.5	213.5	3.0	13	MAFIC DYKE		MG		1	5	1	60		3				70	1						
213.5	216.5	3.0	32	ANDS DYKE		MG	5	1	50		10	2	1				90	20						
216.5	218.65	2.15	29	ANDS DYKE		MG	3	1	50		15	2	2				90	18						
218.65	221.0	2.35	19	ANDS DYKE		FG		1	20		20		5				50	1						
221.0	224.0	3.0	43	ANDS DYKE		FG		3	20		20		1				50	1						
224.0	227.0	3.0	40	ANDS DYKE		FG		5	20		20		2				50	1						
227.0	229.1	2.1	38	ANDS DYKE		FG		10	20		30		5				70	1						
229.1	232.0	2.9	45	SRCT SCHT ANDS		F-MG	5	2	60	1	8	.1	1				100	20						
232.0	235.0	3.0	47	SRCT SCHT ANDS		F-MG	8	2	55		5	.5					100	25						
235.0	238.0	3.0	41	SRCT SCHT ANDS		F-MG	5	2	65		3	2					100	20			.1			
238.0	241.0	3.0	46	SRCT SCHT ANDS		F-MG	10	2	55		5	2					100	25			.1			
241.0	244.0	3.0	47	SRCT SCHT ANDS		F-MG	8	3	60		5	2	1				100	20			.1			

1988 KERR EXPLORATION PROGRAM

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88-18

Ref	North	East	RL	Azim	Dip	Length	Category	Remarks
8818	10229.1	9599.5	1468.8	60	60	255.42		#HOLE

FROM	Dist	WDTH	RQ	ROCKNAME	UNT	TXT	SI	QV	SE	CY	CH	EP	CB	GM	A1	A2	IN	PY	CP	SP	CC	NC	M1	M2
244.0	247.0	3.0	48	SRCT SCHT ANDS		F-MG	8	1	55		5	2	1				100	25			.1			
247.0	250.0	3.0	57	SRCT SCHT ANDS		F-MG	8	1	65		5	2					100	15			.1			
250.0	253.0	3.0	49	SRCT SCHT ANDS		F-MG	8	1	60		5	1					100	20			.1			
253.0	255.42	2.42	46	SRCT SCHT ANDS		F-MG	8	2	60		5	1					100	18			.1			

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88-18

Ref	North	East	RL	Azim	Dip	Length	Category	Remarks
8818	10229.1	9599.5	1468.8	60	60	255.42		#HOLE

FROM	Dist	SampNo	WDTH	REC	Au	Auoz	Ag	Agoz	Cu	Zn	Fe%	As	Mn	E1	E2
0	3.05		3.05												
3.05	6.0	3144	2.95	2.49	770		0.6		4077	80	6.86	131	43		
6.0	9.0	3145	3.0	2.99	1280		0.1		2976	67	7.43	39	440		
9.0	12.0	3146	3.0	2.92	140		0.1		2146	98	6.33	17	411		
12.0	15.0	3147	3.0	2.93	60		0.1		2401	157	5.61	15	510		
15.0	18.0	3148	3.0	2.96	100		0.1		3120	116	5.43	14	503		
18.0	21.0	3149	3.0	2.99	110		0.1		2645	94	5.11	14	655		
21.0	24.0	3150	3.0	2.96	240		0.1		5243	68	5.68	13	520		
24.0	26.6	3151	2.6	1.73	190		0.1		6271	89	6.39	15	385		
26.6	29.6	3152	3.0	.43	230		0.1		2462	59	3.92	25	147		
29.6	32.6	3153	3.0	1.34	170		1.1		6406	73	5.26	96	177		
32.6	35.4	3154	2.8	1.27	190		1.1		5197	57	5.60	87	95		
35.4	38.8	3155	3.4	3.3	140		0.1		4558	119	4.79	18	490		
38.8	40.8	3156	2.0	2.07	70		0.1		3019	105	4.62	110	427		
40.8	42.8	3157	2.0	1.69	120		0.1		5396	192	5.11	237	274		
42.8	45.4	3158	2.6	2.06	0		1.1		10668	138	6.53	20	170		
45.4	48.0	3159	2.6	2.57	580		0.1		7639	146	8.68	21	555		
48.0	51.0	3160	3.0	2.91	340		0.6		9657	123	5.76	19	602		
51.0	54.0	3161	3.0	2.66	760		0.4		9819	121	5.83	18	364		
54.0	57.0	3162	3.0	2.63	220		1.1		8376	80	6.80	25	300		
57.0	60.0	3163	3.0	2.97	360		0.6		10046	153	6.34	19	563		
60.0	63.0	3164	3.0	3.04	630		0.4		7995	103	6.51	15	351		
63.0	66.0	3165	3.0	2.98	750		3.7		15452	59	7.00	624	251		
66.0	68.0	3166	2.0	1.92	0		4.9		20000	124	10.00	1000	31		
68.0	70.0	3167	2.0	1.96	650		0.6		20000	44	7054	207	32		
70.0	72.0	3168	2.0	1.94	585		2.7		20222	56	8037	888	32		
72.0	74.0	3169	2.0	1.92	370		2.5		19083	42	10.00	505	69		
74.0	75.85	3170	1.85	1.82	470		2.1		20000	31	9.00	143	44		
75.85	77.7	3171	1.85	1.85	70		0.1		522	187	5.26	38	1067		
77.7	80.7	3172	3.0	2.95	160		0.1		2808	140	5.53	37	313		
80.7	83.7	3173	3.0	2.88	150		0.1		3942	148	5.68	12	353		
83.7	85.7	3174	2.0	1.76	160		0.1		2229	146	4.94	32	591		
85.7	87.78	3175	2.08	2.1	230		0.1		1891	77	3.01	26	561		
87.78	89.28	3176	1.5	1.5	260		0.1		1402	163	4.68	22	1602		
89.28	91.9	3177	2.62	2.59	140		0.1		4976	44	6.27	68	75		
91.9	95.0	3178	3.1	3.1	175		0.1		3729	230	6.86	35	1824		
95.0	98.0	3179	3.0	3.07	250		0.1		5390	179	5.74	43	897		
98.0	101.0	3180	3.0	3.0	0		0.1		2608	277	6.19	19	1531		
101.0	103.25	3181	2.25	2.08	160		0.1		3407	181	4.51	38	591		
103.25	106.0	3182	2.75	2.96	690		2.5		18689	237	6.68	44	532		
106.0	109.0	3183	3.0	2.91	440		0.1		9004	184	5.67	41	657		
109.0	111.9	3184	2.9	2.75	700		2.8		18311	217	7.58	47	455		
111.9	114.9	3185	3.0	2.0	60		0.1		1532	358	6.24	31	1360		
114.9	117.6	3186	2.7	1.74	100		0.1		1433	431	4.34	39	1099		
117.6	120.0	3187	2.4	2.23	340		6.2		20000	49	6.39	801	48		
120.0	122.0	3188	2.0	1.92	780		1.5		16878	98	7.38	1000	19		
122.0	124.0	3189	2.0	1.56	0		3.2		15390	35	7.99	1000	35		
124.0	126	3190	2.0	1.91	710		2.3		17662	41	6.44	224	41		
126.0	128	3191	2.0	1.89	750		2.3		20000	75	7.10	285	32		
128.0	130	3192	2.0	1.66	420		2.3		19793	36	8.22	391	19		
130.0	132	3193	2.0	2.0	540		0.9		16286	24	7.12	100	38		
132.0	134	3194	2.0	1.88	990		1.5		18319	28	7.53	57	32		

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Ref	North	East	RL	Azim	Dip	Length	Category	Remarks
8818	10229.1	9599.5	1468.8	60	60	255.42		#HOLE

FROM	Dist	SampNo	WDTH	REC	Au	Auoz	Ag	Agoz	Cu	Zn	Fe%	As	Mn	E1	E2
134.0	136	3195	2.0	1.71	1320		2.8		8363	107	8.32	307	21		
136.0	138	3196	2.0	1.91	630		0.9		5958	23	7.01	49	71		
138.0	140	3197	2.0	1.94	1150		1.1		10244	22	6.90	29	123		
140.0	142	3198	2.0	1.97	1460		2.3		20000	83	6.95	26	699		
142.0	144	3199	2.0	2.02	930		5.7		20000	198	9.44	349	178		
144.0	145.85	3200	1.85	1.85	770		1.1		13947	62	7.96	36	286		
145.85	146.27	3201	.42	.42	5		0.1		547	366	6.87	43	1170		
146.27	147.27	3202	1.0	.99	460		0.1		11350	14	9.21	16	425		
147.27	147.55	3203	.28	.28	0		0.1		3167	272	5.65	58	1163		
147.55	150.0	3204	2.45	2.46	0		0.5		8063	31	7.50	134	106		
150.0	152	3205	2.0	2.0	360		2.3		16135	45	7.94	359	26		
152.0	154	3206	2.0	2.0	340		0.1		8909	7	7.27	15	25		
154.0	156	3207	2.0	1.98	415		0.5		10232	24	7.11	9	91		
156.0	158	3208	2.0	1.95	650		1.5		14796	33	8.70	20	73		
158.0	160	3209	2.0	2.05	575		2.1		15697	27	8.50	12	280		
160.0	162	3210	2.0	2.06	480		1.5		14180	43	7.56	11	499		
162.0	164	3211	2.0	2.0	550		1.3		9989	55	6.66	44	146		
164.0	166	3212	2.0	2.0	300		0.1		2925	15	7.07	107	291		
166.0	168	3213	2.0	2.0	360		0.1		1667	20	5.74	26	232		
168.0	169.9	3214	1.9	1.71	210		0.1		2413	26	4.47	10	131		
169.9	172	3215	2.1	2.1	0		0.1		61	117	2.27	3	1087		
172.0	173.35	3216	1.35	1.36	170		0.1		2044	70	5.42	30	650		
173.35	176	3217	2.65	2.65	45		0.1		63	168	3.15	6	767		
176.0	178	3218	2.0	1.98	35		0.1		15	111	1.61	3	433		
178.0	180.9	3219	2.9	2.92	210		0.1		16	73	1.12	3	708		
180.9	183.9	3220	3.0	2.95	160		0.1		1457	17	6.63	14	203		
183.9	187.1	3221	3.2	3.2	115		0.1		766	6	5.61	15	237		
187.1	188.7	3222	1.6	1.62	130		0.1		496	131	4.92	21	877		
188.7	191.8	3223	3.1	2.9	375		0.3		3897	100	6.08	11	875		
191.8	192.25	3224	.45	.45	80		0.1		210	856	6.40	23	3068		
192.25	194.25	3225	2.0	1.95	310		0.3		4218	74	8.49	19	888		
194.25	196.45	3226	2.2	2.32	240		0.9		4345	398	7.16	573	432		
196.45	197.0	3227	.55	.55	0		0.1		138	122	4.33	47	1040		
197.0	199.6	3228	2.6	2.15	185		0.1		2917	240	6.12	146	533		
199.6	200.5	3229	.9	.91	145		0.1		684	285	7.14	26	2783		
200.5	202.5	3230	2.0	1.94	660		0.1		3854	119	7.16	16	632		
202.5	204.5	3231	2.0	1.93	590		0.9		4770	103	6.98	18	770		
204.5	206.5	3232	2.0	1.92	410		0.1		4547	136	7.24	13	426		
206.5	208.5	3233	2.0	1.95	20		0.1		2969	181	6.89	20	879		
208.5	210.5	3234	2.0	1.88	340		0.1		3430	110	6.37	26	521		
210.5	213.5	3235	3.0	2.51	50		3.2		216	122	4.69	26	718		
213.5	216.5	3236	3.0	2.79	170		0.1		3341	51	5.64	15	570		
216.5	218.65	3237	2.15	1.28	160		0.1		2478	120	6.08	21	457		
218.65	221.0	3238	2.35	1.33	510		0.1		185	93	2.20	5	883		
221.0	224.0	3239	3.0	3.08	20		0.1		37	120	2.41	3	676		
224.0	227.0	3240	3.0	2.93	0		0.1		23	120	1.72	3	507		
227.0	229.1	3241	2.1	2.01	30		0.1		22	150	2.43	4	992		
229.1	232.0	3242	2.9	2.78	230		0.9		1784	27	7.75	40	187		
232.0	235.0	3243	3.0	2.99	240		3.2		1364	7	8.30	20	159		
235.0	238.0	3244	3.0	3.09	210		3.8		1260	5	5.64	20	92		
238.0	241.0	3245	3.0	2.92	300		0.4		955	14	6.90	68	221		
241.0	244.0	3246	3.0	2.78	230		0.1		1359	24	8.69	15	231		

88-18

#HOLI

Ref	North	East	RL	Azim	Dip	Length	Category	Remarks
8818	10229.1	9599.5	1468.8	60	60	255.42		

FROM	Dist	SampNo	WDTH	REC	Au	Auoz	Ag	Agoz	Cu	Zn	Fe%	As	Mn	E1	E2
244.0	247.0	3247	3.0	3.09	150		0.1		984	15	10.00	3	288		
247.0	250.0	3248	3.0	3.07	90		0.1		662	5	9.60	4	76		
250.0	253.0	3249	3.0	3.05	435		0.1		837	35	9.39	48	127		
253.0	255.42	3250	2.42	2.42	290		0.1		965	12	9.80	3	231		

VGC

VANGEOCHEM LAB LIMITED

MAIN OFFICE AND LABORATORY
1966 Triumph Street
Vancouver, B.C. V5L 1K5
(604)251-5656 FAX:254-5717

BRANCH OFFICE
1630 PANDORA ST.
VANCOUVER, B.C. V5L 1L6
(604) 251-5656

SAMPLE #	Cu %
C88-3149	.23
C88-3150	.46
C88-3151	.55
C88-3152	.20
C88-3153	.52
C88-3154	.45
C88-3155	.40
C88-3156	.28
C88-3157	.48
C88-3158	.90
C88-3159	.64
C88-3160	.87
C88-3161	.86
C88-3162	.71
C88-3163	.86
C88-3164	.73
C88-3165	1.25
C88-3166	2.73

DETECTION LIMIT .01

1 Troy oz/short ton = 34.28 ppm 1 ppm = 0.0001% ppm = parts per million < = less than

signed:

VGC

VANGEOCHEM LAB LIMITED

MAIN OFFICE AND LABORATORY
1988 Triumph Street
Vancouver, B.C. V5L 1K5
(604)251-5656 FAX:254-5717

BRANCH OFFICE
1630 PANDORA ST.
VANCOUVER, B.C. V5L 1L6
(604) 251-5656

SAMPLE #	Cu %
C88-3167	1.69
C88-3168	1.69
C88-3169	1.50
C88-3170	1.63
C88-3171	.03
C88-3172	.23
C88-3173	.31
C88-3174	.20
C88-3175	.15
C88-3176	.13
C88-3177	.39
C88-3178	.34
C88-3179	.50
C88-3180	.24
C88-3181	.31
C88-3182	1.54
C88-3183	.93
C88-3184	1.81
C88-3185	.14
C88-3186	.14
DETECTION LIMIT	.01

1 Troy oz/short ton = 34.28 ppm 1 ppm = 0.0001% ppm = parts per million < = less than

signed: _____

VGC

VANGEOCHEM LAB LIMITED

MAIN OFFICE AND LABORATORY
1988 Triumph Street
Vancouver, B.C. V5L 1K5
(604)251-5656 FAX:254-5717

BRANCH OFFICE
1630 PANDORA ST.
VANCOUVER, B.C. V5L 1L6
(604) 251-5656

SAMPLE #	Cu %
C88-3187	2.47
C88-3188	1.59
C88-3189	1.45
C88-3190	1.59
C88-3191	2.08
C88-3192	1.73
C88-3193	1.52
C88-3194	1.60
C88-3195	.77
C88-3196	.57
C88-3197	.96
C88-3198	2.34
C88-3199	2.75
C88-3200	1.31
C88-3201	.04
C88-3202	1.01
C88-3203	.31
C88-3204	.82
C88-3205	1.34
C88-3206	.85

DETECTION LIMIT .01

1 Troy oz/short ton = 34.28 ppm 1 ppm = 0.0001% ppm = parts per million < = less than

signed: _____

VGC

VANGEOCHEM LAB LIMITED

MAIN OFFICE AND LABORATORY
1989 Triumph Street
Vancouver, B.C. V5L 1K5
(604)251-5656 FAX:254-5717

BRANCH OFFICE
1630 PANDORA ST.
VANCOUVER, B.C. V5L 1L6
(604) 251-5656

SAMPLE #	Cu %
C88-3207	.91
C88-3208	1.34
C88-3209	1.41
C88-3210	1.32
C88-3211	.90
C88-3212	.28

DETECTION LIMIT .01

1 Troy oz/short ton = 34.28 ppm 1 ppm = 0.0001% ppm = parts per million < = less than

signed: _____

1988 TRIUMPH STREET
VANCOUVER, B.C. V5L 1K5
(604) 251-5656 FAX (604) 254-5717

K88-15

REPORT #: BB1006 PA WESTERN CANADIAN

Sample Number	Ag ppm	Al %	As ppm	AuFA ppb	Au ppm	Ba ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	K %	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P %	Pb ppm	Pd ppm	Pt ppm	Sb ppm	Sn ppm	Sr ppm	U ppm	W ppm	Zn ppm
C88-3144	0.6	0.45	131	770	<3	5	<3	0.15	1.2	14	90	4077	6.86	0.01	0.15	43	9	0.02	13	0.14	60	<3	<5	<2	2	29	<5	<3	80
C88-3145	0.1	1.02	39	1280	<3	5	3	0.38	2.1	20	37	2976	7.43	0.01	0.88	440	8	0.02	7	0.19	39	<3	<5	<2	3	22	<5	<3	67
C88-3146	0.1	1.68	17	140	<3	8	3	0.39	1.7	15	47	2146	6.33	0.01	1.56	411	6	0.02	7	0.22	37	<3	<5	<2	3	13	<5	<3	98
C88-3147	0.1	2.42	15	60	<3	10	3	0.45	1.5	14	28	2401	5.61	0.01	2.25	510	7	0.02	6	0.22	37	<3	<5	<2	3	11	<5	<3	157
C88-3148	0.1	2.49	14	100	<3	10	3	0.43	1.5	14	41	3120	5.43	0.01	2.40	503	8	0.02	7	0.25	39	<3	<5	<2	4	12	<5	<3	116
C88-3149	0.1	2.49	14	110	<3	11	3	0.62	1.5	14	24	2645	5.11	0.01	2.30	655	14	0.02	7	0.21	35	<3	<5	<2	3	19	<5	<3	94
C88-3150	0.1	1.93	13	240	<3	8	3	0.52	1.7	13	50	5243	5.68	0.01	1.81	520	5	0.02	7	0.19	32	<3	<5	<2	3	14	<5	<3	68
C88-3151	0.1	2.08	15	190	<3	8	4	0.26	1.7	13	58	6271	6.39	0.01	1.81	385	6	0.02	8	0.19	35	<3	<5	<2	4	24	<5	<3	89
C88-3152	0.1	1.28	25	230	<3	32	<3	0.09	0.5	4	33	2462	3.92	0.01	0.90	147	5	0.01	5	0.25	61	<3	<5	<2	3	165	<5	<3	59
C88-3153	1.1	1.92	96	170	<3	11	3	0.15	1.1	12	23	6406	5.26	0.01	1.23	177	8	0.02	7	0.49	56	<3	<5	<2	3	46	<5	<3	73
C88-3154	1.1	1.33	87	190	<3	7	<3	0.10	1.1	9	32	5197	5.60	0.01	0.73	95	6	0.02	4	0.70	89	<3	<5	<2	3	71	<5	<3	57
C88-3155	0.1	2.18	18	140	<3	12	3	0.30	1.2	14	31	4558	4.79	0.01	1.87	490	6	0.02	5	0.24	36	<3	<5	<2	3	16	<5	<3	119
C88-3156	0.1	3.15	110	70	<3	15	3	0.25	1.1	12	29	3019	4.62	0.01	2.14	427	5	0.02	7	0.35	35	<3	<5	<2	3	57	<5	<3	105
C88-3157	0.1	2.82	237	120	<3	8	3	0.24	0.8	12	21	5396	5.11	0.01	1.58	274	7	0.02	4	0.56	59	<3	<5	<2	3	32	<5	<3	192
C88-3158	1.1	1.34	20	<5	<3	6	4	0.19	1.7	12	30	10668	6.53	0.01	1.03	170	3	0.02	5	0.21	50	<3	<5	<2	4	28	<5	<3	138
C88-3159	0.1	2.79	21	580	<3	6	5	0.26	2.5	14	53	7639	8.68	0.01	2.36	555	5	0.02	5	0.18	37	<3	<5	<2	4	17	<5	<3	146
C88-3160	0.6	1.81	19	340	<3	8	4	0.39	1.5	14	36	9657	5.76	0.01	1.82	602	4	0.02	6	0.20	34	<3	<5	<2	4	28	<5	<3	123
C88-3161	0.4	2.11	18	760	<3	8	4	0.28	1.5	14	61	9819	5.83	0.01	1.98	364	4	0.02	6	0.21	31	<3	<5	<2	4	9	<5	<3	121
C88-3162	1.1	1.58	25	220	<3	6	4	0.29	1.7	16	38	8376	6.80	0.01	1.54	300	3	0.02	7	0.20	59	<3	<5	<2	5	15	<5	<3	80
C88-3163	0.6	2.21	19	360	<3	7	4	0.33	2.1	14	28	10046	6.34	0.01	2.17	563	3	0.02	7	0.23	43	<3	<5	<2	4	13	<5	<3	153
C88-3164	0.4	1.35	15	630	<3	6	4	0.26	2.1	15	52	7995	6.51	0.01	1.25	351	4	0.02	14	0.18	37	<3	<5	<2	4	13	<5	<3	103
C88-3165	3.7	1.23	624	750	<3	5	5	0.19	0.1	13	58	15452	7.00	0.01	1.06	251	4	0.02	8	0.14	60	<3	<5	<2	5	12	<5	<3	59
C88-3166	4.9	0.17	>1000	<5	<3	3	4	0.04	0.1	7	112	>20000	>10.00	0.01	0.05	31	6	0.03	6	0.07	40	<3	<5	<2	4	8	<5	<3	124
C88-3167	0.6	0.28	207	650	<3	4	4	0.07	1.1	9	98	>20000	7.54	0.01	0.04	32	4	0.02	7	0.09	21	<3	<5	<2	4	7	<5	<3	44
C88-3168	2.7	0.16	888	585	<3	4	4	0.02	0.1	12	152	20000	8.37	0.01	0.02	32	8	0.02	7	0.04	35	<3	<5	<2	5	21	<5	<3	56
C88-3169	2.5	0.15	505	370	<3	3	5	0.03	0.5	11	127	19083	>10.00	0.01	0.02	69	4	0.03	8	0.04	37	<3	<5	<2	5	11	<5	<3	42
C88-3170	2.1	0.27	143	470	<3	4	4	0.06	1.8	12	153	>20000	9.00	0.01	0.04	44	7	0.02	10	0.07	40	<3	<5	<2	4	11	<5	<3	31
C88-3171	0.1	2.63	38	70	<3	70	<3	1.52	1.1	12	34	522	5.26	0.01	1.35	1067	6	0.02	4	0.14	40	<3	<5	<2	3	54	<5	<3	187
C88-3172	0.1	2.14	37	160	<3	10	3	0.28	1.2	17	39	2808	5.53	0.01	1.49	313	15	0.02	7	0.22	42	<3	<5	<2	4	26	<5	<3	140
C88-3173	0.1	1.56	12	150	<3	7	<3	0.42	1.5	19	23	3942	5.68	0.01	1.23	353	4	0.02	12	0.25	32	<3	<5	<2	4	20	<5	<3	148
C88-3174	0.1	2.15	32	160	<3	8	<3	0.38	1.2	15	37	2229	4.94	0.01	1.96	591	5	0.02	7	0.23	45	<3	<5	<2	4	18	<5	<3	146
C88-3175	0.1	1.14	26	230	<3	27	<3	0.32	0.3	7	75	1891	3.01	0.01	0.58	561	7	0.01	4	0.10	29	<3	<5	<2	2	17	<5	<3	77
C88-3176	0.1	1.90	22	260	<3	26	<3	0.93	1.1	9	85	1402	4.68	0.01	0.91	1602	6	0.02	4	0.13	33	<3	<5	<2	3	36	<5	<3	163
C88-3177	0.1	0.84	68	140	<3	5	<3	0.25	0.8	18	66	4976	6.27	0.01	0.19	75	7	0.02	9	0.25	43	<3	<5	<2	3	21	<5	<3	44
C88-3178	0.1	3.32	35	175	<3	13	4	1.14	2.2	26	101	3729	6.86	0.01	2.75	1824	6	0.02	86	0.35	50	<3	<5	<2	5	91	<5	<3	230
C88-3179	0.1	2.92	43	250	<3	15	4	0.69	1.7	19	114	5390	5.74	0.01	2.32	897	5	0.02	51	0.24	56	<3	<5	<2	4	113	<5	<3	179
C88-3180	0.1	4.15	19	<5	<3	63	4	1.40	2.5	24	129	2608	6.19	0.01	3.51	1531	3	0.03	103	0.35	73	<3	<5	<2	4	222	<5	<3	277
C88-3181	0.1	2.84	38	160	<3	40	3	0.21	1.3	13	30	3407	4.51	0.01	2.05	591	4	0.02	16	0.18	64	<3	<5	<2	4	95	<5	<3	181
C88-3182	2.5	2.57	44	690	<3	12	6	0.24	2.5	16	83	18689	6.68	0.01	1.53	532	6	0.02	41	0.22	66	<3	<5	<2	5	64	<5	<3	237
Minimum Detection	0.1	0.01	3	5	3	1	3	0.01	0.1	1	1	1	0.01	0.01	0.01	1	1	0.01	1	0.01	2	3	5	2	2	1	5	3	1
Maximum Detection	50.0	10.00	1000	10000	1000	1000	1000	20.00	100.0	20000	1000	20000	10.00	10.00	10.00	20000	1000	10.00	20000	10.00	20000	100	100	1000	100	10000	100	1000	20000

< = Less than Minimum is = Insufficient Sample ns = No sample > = Greater than Maximum AuFA = Fire assay/AAS

K88-18

REPORT #: 881006 PA WESTERN CANADIAN

Sample Number	Ag ppm	Al %	As ppm	AuFA ppb	Au ppm	Ba ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	K %	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P %	Pb ppm	Pd ppm	Pt ppm	Sb ppm	Sn ppm	Sr ppm	U ppm	W ppm	Zn ppm
C88-3183	0.1	2.07	41	440	<3	12	<3	0.25	1.7	13	36	9004	5.67	0.01	1.34	657	5	0.02	23	0.17	30	<3	<5	<2	3	43	<5	<3	184
C88-3184	2.8	2.33	47	700	<3	9	4	0.14	2.7	15	57	18311	7.58	0.01	1.15	455	10	0.03	19	0.14	42	<3	<5	<2	4	41	<5	<3	217
C88-3185	0.1	3.55	31	60	<3	10	3	0.43	2.2	21	122	1532	6.24	0.01	3.25	1360	3	0.02	69	0.32	39	<3	<5	<2	4	80	<5	<3	358
C88-3186	0.1	2.37	39	100	<3	10	<3	0.22	1.5	13	22	1433	4.34	0.01	2.54	1099	2	0.02	6	0.18	33	<3	<5	<2	4	21	<5	<3	431
C88-3187	6.2	0.14	801	340	<3	4	<3	0.08	0.1	9	111	>20000	6.39	0.01	0.05	48	4	0.02	4	0.09	65	<3	<5	<2	3	7	<5	<3	49
C88-3188	1.5	0.13	>1000	780	<3	4	3	0.13	0.1	10	41	16878	7.38	0.01	0.02	19	2	0.02	4	0.12	29	<3	<5	<2	3	12	<5	<3	98
C88-3189	3.2	0.29	>1000	<5	<3	4	3	0.15	0.1	10	168	15390	7.99	0.01	0.03	35	3	0.02	5	0.14	39	<3	<5	<2	3	15	<5	<3	35
C88-3190	2.3	0.17	224	710	<3	5	3	0.15	0.6	12	81	17662	6.44	0.01	0.03	41	5	0.02	3	0.15	31	<3	<5	<2	2	29	<5	<3	41
C88-3191	2.3	0.12	285	750	<3	4	<3	0.10	0.6	12	108	>20000	7.10	0.01	0.02	32	2	0.02	6	0.10	25	<3	<5	<2	3	20	<5	<3	75
C88-3192	2.3	0.15	391	420	<3	4	3	0.11	0.7	10	115	19793	8.22	0.01	0.02	19	4	0.02	4	0.12	58	<3	<5	<2	3	13	<5	<3	36
C88-3193	0.9	0.26	100	540	<3	4	3	0.14	1.2	13	169	16286	7.12	0.01	0.02	38	2	0.02	5	0.13	46	<3	<5	<2	3	19	<5	<3	24
C88-3194	1.5	0.19	57	990	<3	4	3	0.16	1.9	12	115	18319	7.53	0.01	0.02	32	5	0.02	4	0.15	87	<3	<5	<2	3	19	<5	<3	28
C88-3195	2.8	0.16	309	1320	<3	3	<3	0.17	0.7	12	54	8363	8.32	0.01	0.02	21	1	0.02	3	0.14	374	<3	<5	<2	3	21	<5	<3	107
C88-3196	0.9	0.22	49	630	<3	4	<3	0.24	1.2	12	93	5958	7.01	0.01	0.02	71	4	0.02	5	0.15	100	<3	<5	<2	2	23	<5	<3	23
C88-3197	1.1	0.32	26	1150	<3	4	<3	0.33	1.4	13	86	10244	6.90	0.01	0.08	123	2	0.02	4	0.20	53	<3	<5	<2	2	19	<5	<3	22
C88-3198	2.3	0.60	26	1460	<3	5	3	0.85	2.1	11	101	>20000	8.95	0.01	0.42	699	6	0.02	6	0.15	14	<3	<5	<2	3	24	<5	<3	83
C88-3199	5.7	0.14	349	930	<3	3	4	0.33	1.7	10	87	>20000	9.44	0.01	0.05	178	4	0.03	5	0.11	33	<3	<5	<2	4	11	<5	<3	198
C88-3200	1.1	0.60	36	770	<3	4	3	0.50	2.2	12	86	13947	7.96	0.01	0.35	286	3	0.02	5	0.16	18	<3	<5	<2	3	18	<5	<3	62
C88-3201	0.1	4.95	43	5	<3	44	3	0.45	2.2	21	37	547	6.87	0.01	3.67	1170	4	0.02	11	0.16	41	<3	<5	<2	5	14	<5	<3	366
C88-3202	0.1	0.26	16	460	<3	4	3	0.82	2.2	15	113	11350	9.21	0.01	0.08	425	6	0.02	5	0.23	27	<3	<5	<2	3	39	<5	<3	14
C88-3203	0.1	4.07	58	<5	<3	55	3	0.75	1.7	22	38	3167	5.65	0.01	3.27	1163	4	0.02	20	0.23	40	<3	<5	<2	5	32	<5	<3	272
C88-3204	0.5	0.26	134	<5	<3	4	<3	0.36	1.2	13	60	8063	7.50	0.01	0.08	106	2	0.02	5	0.17	27	<3	<5	<2	2	24	<5	<3	31
C88-3205	2.3	0.22	359	360	<3	4	8	0.24	1.1	13	58	16135	7.94	0.01	0.03	26	2	0.02	4	0.19	110	<3	<5	<2	3	22	<5	<3	45
C88-3206	0.1	0.17	15	340	<3	4	<3	0.16	1.5	9	79	8909	7.27	0.07	0.03	25	5	0.02	2	0.11	37	<3	<5	<2	3	10	<5	<3	7
C88-3207	0.5	0.44	9	415	<3	4	3	0.30	1.7	11	111	10232	7.11	0.10	0.13	91	5	0.02	5	0.15	17	<3	<5	<2	3	22	<5	<3	24
C88-3208	1.5	0.18	20	650	<3	4	3	0.25	2.4	11	98	14796	8.70	0.20	0.04	73	5	0.02	4	0.12	79	<3	<5	<2	3	17	<5	<3	33
C88-3209	2.1	0.19	12	575	<3	3	3	0.60	2.2	10	103	15697	8.50	0.18	0.06	280	7	0.02	5	0.11	26	<3	<5	<2	3	21	<5	<3	27
C88-3210	1.5	0.32	11	480	<3	4	3	0.82	1.9	9	98	14180	7.56	0.15	0.13	499	9	0.02	5	0.14	19	<3	<5	<2	3	25	<5	<3	43
C88-3211	1.3	0.32	44	550	<3	5	<3	0.42	1.7	10	78	9989	6.66	0.22	0.04	146	7	0.02	5	0.21	58	<3	<5	<2	3	19	<5	<3	55
C88-3212	0.1	0.21	107	300	<3	4	<3	0.55	1.1	13	39	2925	7.07	0.30	0.08	291	5	0.02	3	0.17	25	<3	<5	<2	3	23	<5	<3	15
C88-3213	0.1	0.31	26	360	<3	5	<3	0.51	1.1	13	52	1667	5.74	0.29	0.08	232	10	0.02	3	0.17	19	<3	<5	<2	2	27	<5	<3	20
C88-3214	0.1	0.38	10	210	<3	6	<3	0.36	0.7	15	73	2413	4.47	0.26	0.13	131	16	0.01	6	0.19	18	<3	<5	<2	2	59	<5	<3	26
C88-3215	0.1	1.52	<3	<5	<3	882	<3	2.43	0.2	7	64	61	2.27	0.03	0.84	1087	2	0.01	3	0.11	19	<3	<5	<2	2	311	<5	<3	117
C88-3216	0.1	0.74	30	170	<3	12	<3	1.55	1.2	21	57	2044	5.42	0.29	0.33	650	16	0.02	28	0.13	29	<3	<5	<2	3	74	<5	<3	70
C88-3217	0.1	1.48	6	45	<3	103	<3	1.59	0.7	6	55	63	3.15	0.07	0.55	767	3	0.02	3	0.09	21	<3	<5	<2	2	53	<5	<3	168
C88-3218	0.1	0.67	<3	35	<3	157	<3	1.01	0.1	2	53	15	1.61	0.01	0.19	433	3	0.02	1	0.03	12	<3	<5	<2	<2	42	<5	<3	111
C88-3219	0.1	0.61	<3	210	<3	>1000	<3	1.97	0.1	3	92	16	1.12	0.01	0.16	708	1	0.02	4	0.02	11	<3	<5	<2	<2	187	<5	<3	73
C88-3220	0.1	0.29	14	160	<3	12	<3	0.60	1.5	20	28	1457	6.63	0.38	0.07	203	15	0.02	13	0.18	23	<3	<5	<2	2	76	<5	<3	17
C88-3221	0.1	0.22	15	115	<3	6	<3	0.70	1.1	19	35	766	5.61	0.49	0.03	237	5	0.02	15	0.19	19	<3	<5	<2	2	27	<5	<3	6
Minimum Detection	0.1	0.01	3	5	3	1	3	0.01	0.1	1	1	1	0.01	0.01	0.01	1	1	0.01	1	0.01	2	3	5	2	2	1	5	3	1
Maximum Detection	50.0	10.00	1000	10000	1000	1000	1000	20.00	100.0	20000	1000	20000	10.00	10.00	10.00	20000	1000	10.00	20000	10.00	20000	100	300	1000	100	10000	100	1000	20000

< = Less than Minimum is = Insufficient Sample ns = No sample > = Greater than Maximum AuFA = Fire assay/AAS

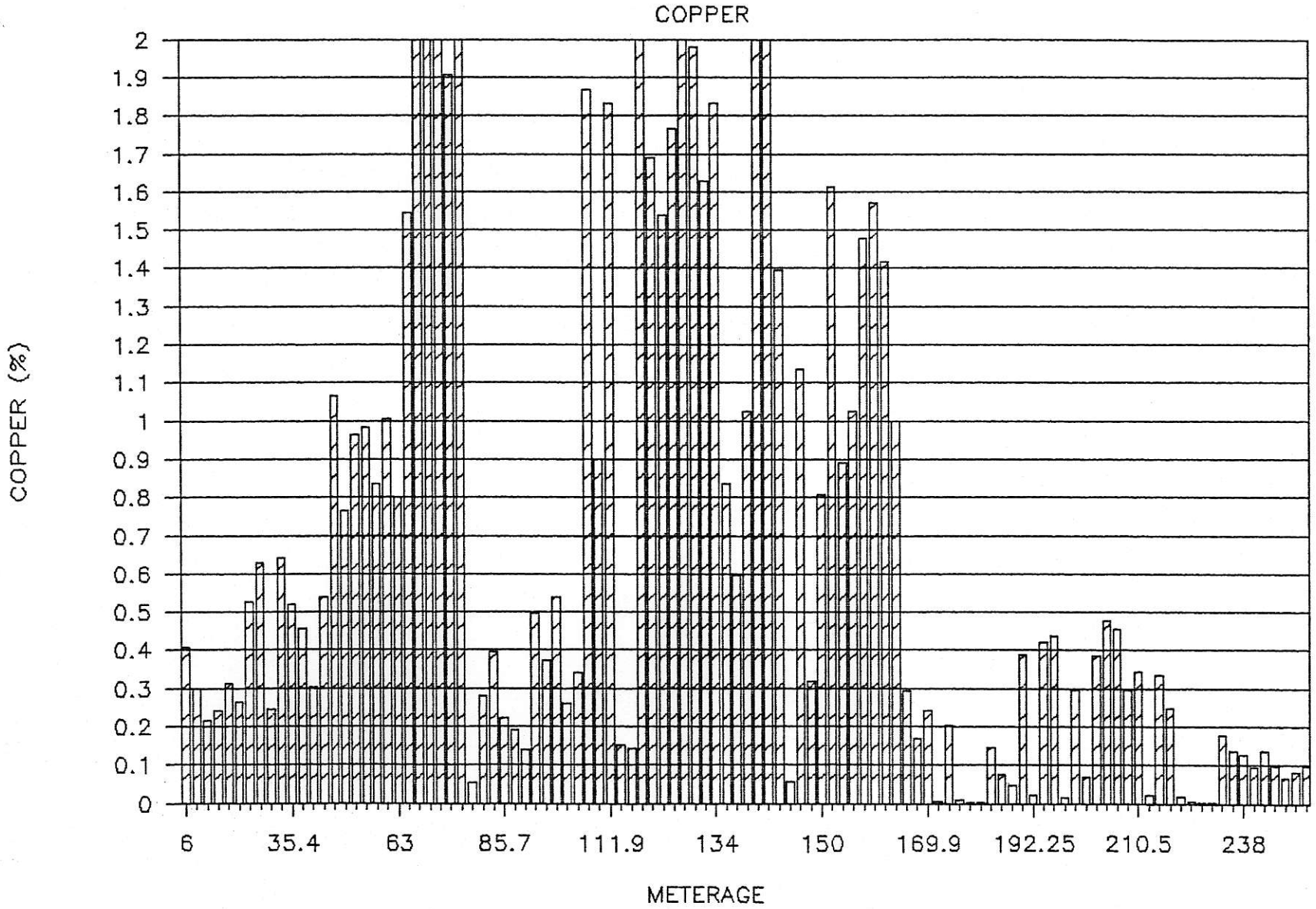
K88-18

REPORT #: 881006 PA

WESTERN CANADIAN MINING CORP.

Sample Number	Ag	Al	As	AuFA	Au	Ba	Bi	Ca	Cd	Co	Cr	Cu	Fe	K	Mg	Mn	Mo	Na	Ni	P	Pb	Pd	Pt	Sb	Sn	Sr	U	W	Zn
	ppm	%	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	%	%	ppm	ppm	%	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
C88-3222	0.1	2.47	21	130	<3	62	4	2.47	1.2	27	77	469	4.92	0.29	3.40	877	7	0.03	74	0.44	28	<3	<5	<2	5	257	<5	<3	131
C88-3223	0.3	1.25	11	375	<3	7	3	1.43	1.5	29	74	3897	6.08	0.22	1.06	875	57	0.02	51	0.17	32	<3	<5	<2	3	87	<5	<3	100
C88-3224	0.1	5.64	23	80	<3	44	4	4.66	1.6	28	152	210	6.40	0.34	5.65	3068	1	0.03	130	0.56	47	<3	<5	<2	4	282	<5	<3	856
C88-3225	0.3	0.56	19	310	<3	4	4	1.43	2.1	35	59	4218	8.49	0.22	0.34	888	46	0.02	59	0.20	100	<3	<5	<2	3	44	<5	<3	74
C88-3226	0.9	0.27	573	240	<3	5	<3	0.70	2.1	31	36	4345	7.16	0.14	0.16	432	40	0.02	13	0.19	119	<3	<5	<2	3	54	<5	<3	398
C88-3227	0.1	2.32	47	<5	<3	154	3	3.24	0.8	24	84	138	4.33	0.34	3.39	1040	1	0.04	74	0.46	32	<3	<5	<2	4	403	<5	<3	122
C88-3228	0.1	1.10	146	185	<3	7	3	0.83	1.2	30	71	2971	6.12	0.17	1.06	533	32	0.02	32	0.22	42	<3	<5	<2	3	105	<5	<3	240
C88-3229	0.1	5.29	26	145	<3	26	5	6.73	2.1	35	171	684	7.14	0.38	5.30	2783	4	0.02	150	0.51	56	<3	<5	<2	3	228	<5	<3	285
C88-3230	0.1	2.20	16	660	<3	6	5	0.98	1.6	35	110	3854	7.16	0.17	1.93	632	67	0.02	51	0.20	42	<3	<5	<2	4	61	<5	<3	119
C88-3231	0.9	1.29	18	590	<3	5	4	1.70	1.6	28	81	4770	6.98	0.26	1.02	770	46	0.02	35	0.20	40	<3	<5	<2	4	64	<5	<3	103
C88-3232	0.1	1.43	13	410	<3	5	4	0.86	1.7	26	37	4547	7.24	0.17	1.25	426	45	0.02	17	0.20	40	<3	<5	<2	4	76	<5	<3	136
C88-3233	0.1	2.36	20	20	<3	6	4	2.33	2.1	32	78	2969	6.89	0.30	2.12	879	28	0.02	66	0.32	64	<3	<5	<2	4	106	<5	<3	181
C88-3234	0.1	1.18	26	340	<3	6	3	1.56	1.5	32	68	3430	6.37	0.26	0.91	521	43	0.02	51	0.25	26	<3	<5	<2	3	94	<5	<3	110
C88-3235	3.2	2.37	26	50	<3	276	5	1.98	1.1	31	82	216	4.69	0.32	3.08	718	2	0.04	64	0.41	31	<3	<5	<2	12	247	<5	<3	122
C88-3236	0.1	1.33	15	170	<3	9	<3	1.54	1.1	27	74	3341	5.64	0.27	0.86	570	33	0.02	38	0.22	27	<3	<5	<2	3	87	<5	<3	51
C88-3237	0.1	2.20	21	160	<3	8	4	1.53	1.5	33	114	2478	6.08	0.26	3.08	457	16	0.02	63	0.34	32	<3	<5	<2	4	139	<5	<3	120
C88-3238	0.1	1.12	5	510	<3	231	<3	2.04	0.1	7	55	185	2.20	0.34	0.75	883	18	0.02	14	0.10	18	<3	<5	<2	2	132	<5	<3	93
C88-3239	0.1	1.10	<3	20	<3	279	<3	1.26	0.1	5	21	37	2.41	0.26	0.46	676	3	0.02	2	0.06	15	<3	<5	<2	2	71	<5	<3	120
C88-3240	0.1	0.71	3	<5	<3	119	<3	1.12	0.1	3	45	23	1.72	0.25	0.25	507	2	0.02	3	0.04	13	<3	<5	<2	2	44	<5	<3	120
C88-3241	0.1	1.18	4	30	<3	261	<3	2.07	0.1	5	68	22	2.43	0.32	0.44	992	1	0.02	1	0.07	19	<3	<5	<2	2	93	<5	<3	150
C88-3242	0.9	0.20	4	230	<3	4	<3	0.61	1.5	29	35	1784	7.75	0.16	0.03	187	91	0.02	25	0.22	30	<3	<5	<2	3	35	<5	<3	27
C88-3243	3.2	0.22	20	240	<3	4	4	0.44	2.2	27	18	1364	8.30	0.17	0.02	159	19	0.03	16	0.20	83	<3	<5	<2	5	22	<5	<3	7
C88-3244	3.8	0.19	20	210	<3	3	3	0.32	1.2	21	27	1260	5.64	0.17	0.02	92	8	0.03	15	0.19	49	<3	<5	<2	5	13	<5	<3	5
C88-3245	0.4	0.16	68	300	<3	4	10	0.55	3.4	26	37	955	6.90	0.41	0.04	221	13	0.08	24	0.19	92	<3	<5	<2	11	36	<5	<3	14
C88-3246	0.1	0.38	15	230	<3	4	3	0.58	1.6	22	57	1359	8.69	0.12	0.08	231	11	0.02	12	0.22	42	<3	<5	<2	3	27	<5	<3	24
C88-3247	0.1	0.26	3	150	<3	3	5	0.72	2.5	36	36	984	>10.00	0.10	0.14	288	6	0.03	13	0.19	22	<3	<5	<2	4	55	<5	<3	15
C88-3248	0.1	0.24	4	90	<3	3	3	0.44	1.7	81	30	662	9.60	0.06	0.03	76	4	0.02	15	0.26	30	<3	<5	<2	3	31	<5	<3	5
C88-3249	0.1	0.34	48	435	<3	4	3	0.41	2.1	18	28	837	9.39	0.06	0.04	127	3	0.02	13	0.22	25	<3	<5	<2	3	17	<5	<3	35
C88-3250	0.1	0.29	<3	290	<3	4	3	0.56	2.1	24	70	965	9.80	0.08	0.05	231	7	0.02	25	0.22	25	<3	<5	<2	3	20	<5	<3	12

K88-18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1.4
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1.1
1
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
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6
35.4
63
85.7
111.9
134
150
169.9
192.25
210.5
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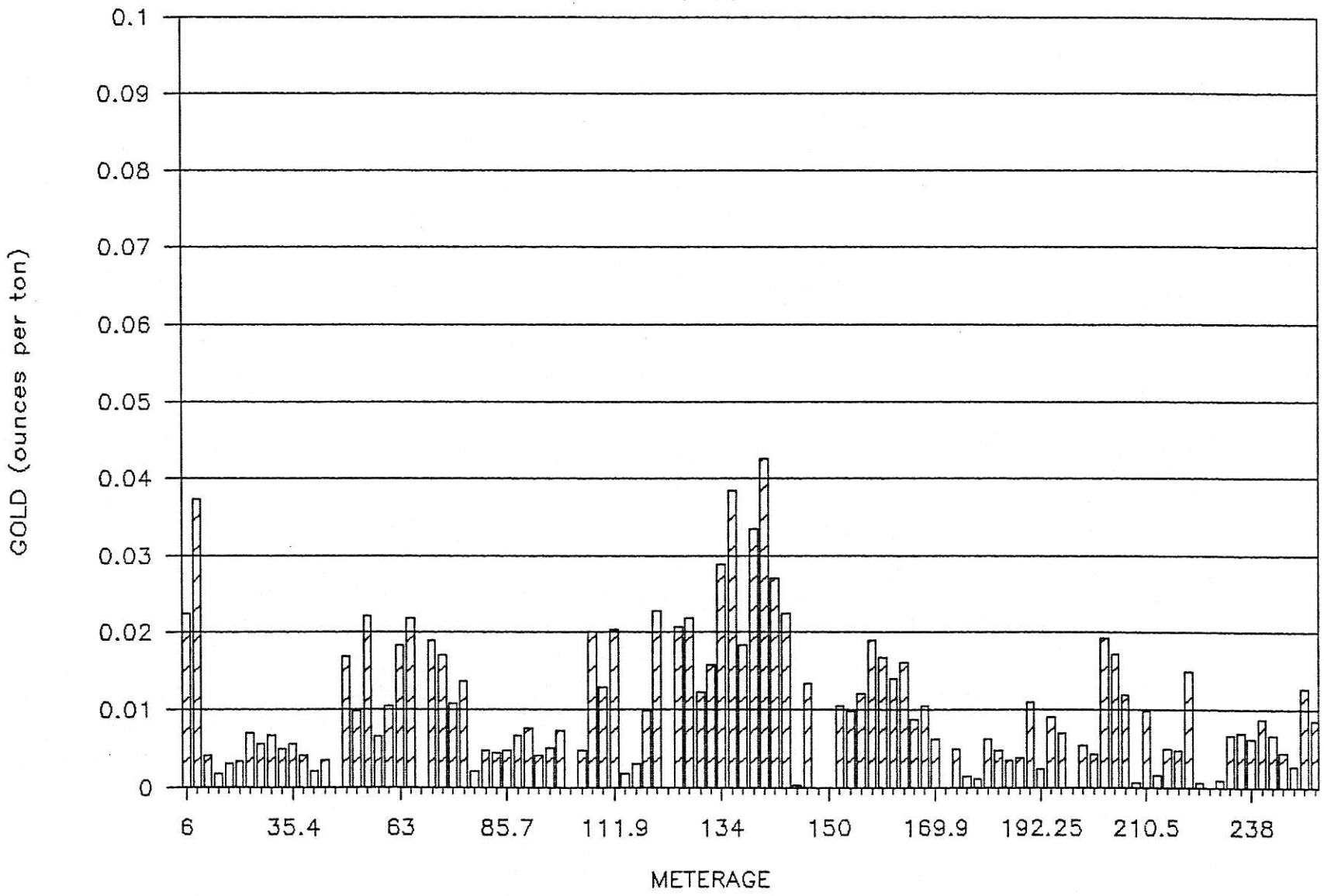
METERAGE

K88-18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0.07
0.06
0.05
0.04
0.03
0.02
0.01
0
GOLD (ounces per ton)
6
35.4
63
85.7
111.9
134
150
169.9
192.25
210.5
238
METERAGE