

HOLE NO. KL-5

SHEET NUMBER	1	SECTION FROM	0	TO	60	STARTED	Aug. 19/70
LATITUDE	62°23'N	DATUM				COMPLETED	Aug. 24/70
DEPARTURE	137°30'W	BEARING	Vertical hole			ULTIMATE DEPTH	602'
ELEVATION	2750	DIP	90°			PROPOSED DEPTH	600'

DEPTH FEET	CORE RECOV	DESCRIPTION	CORE SAMPLE NO.	FOOTAGE	CORE ASSAYS				SLUDGE SAMPLE NO.	FOOTAGE	SLUDGE ASSAYS			
					AG.	CU.%	MoS2%	ZN.			AG.	CU.	PB.	ZN.
0-42	0%	Overburden. Boulders and sand in Burgis Creek valley.												
42-60'	70%	Light pale green-grey feldspar porphyry highly argillic altered. Original feldspar porphyry contains up to 10% feldspar phenocrysts <5mm in size in an aphanitic matrix of orthoclase, plagioclase and qtz. with up to 1% euhedral biotite. Interval contains up to 10% apple green clay as diss. pyrite associated. Est. 50-90% replacement of all feldspars by white-creamy clay. Chlorite alteration of biotite. Almost breakable by hand. Est. 1-2% diss. anhedral to subhedral pyrite. Find both diss. anhedral pyrite and blebs associated with chlorite & clays in uneven fract. opening. Few grains of chalcopyrite visible. Est. <.03% Cu. No visible Mo.	9630	42-50		.010	.002							
			9631	50-55		.015	.003							
			9632	55-60		.015	.003							

DIAMOND DRILL RECORD,

HOLE NO. KL-5

PROPERTY KLAZAN

SHEET NUMBER 2 SECTION FROM 60 TO 84 STARTED _____
LATITUDE _____ DATUM _____ COMPLETED _____
DEPARTURE _____ BEARING _____ ULTIMATE DEPTH _____
ELEVATION _____ DIP _____ PROPOSED DEPTH _____

DEPTH FEET	CORE RECOV	DESCRIPTION	CORE SAMPLE NO.	FOOTAGE	CORE ASSAYS				SLUDGE SAMPLE NO.	FOOTAGE	SLUDGE ASSAYS			
					AG.	CU. %	MoS2%	ZN.			AG.	CU.	PB.	ZN.
60-64	80%	White to light grey highly altered feldspar												
		por. No fracturing, est. 60-90% alteration												
		of feldspar phenocrysts to white clay or												
		kaolin? with pale green matrix. consists of	9633	60-65		.024	.002							
		green clays and qtz. Diss. pyrite est. at 1%												
		with traces of Cu. Est. <.04% Cu.												
64-84	95%	Light greenish grey highly altered feldspar												
		por. brecciated with no visible phenocrysts	9634	65-70		.024	.002							
		est. up to 20% clays as green diss. blebs												
		<5mm in size, 5% green chlorite also in	9635	70-75		.031	.002							
		blebs up to 1 cm. with associated pyrite.												
		The remainder is an aphanitic light grey	9636	75-80		.031	.002							
		material likely consisting of 50% qtz??												
		Later fracturing is low with bleaching of												
		feldspars to white along borders. Find large												
		blebs <1" of chlorite, green clays, subhedral	9637	80-85		.025								

HOLE NO.

PROPERTY KLAZAN

STARTED _____

COMPLETED _____

ULTIMATE DEPTH_____

PROPOSED DEPTH _____

[illegible]

HOLE NO. KL-5

SHEET NUMBER	4	SECTION FROM	92	TO	114	STARTED	
LATITUDE		DATUM				COMPLETED	
DEPARTURE		BEARING				ULTIMATE DEPTH	
ELEVATION		DIP				PROPOSED DEPTH	

[illegible]

DIAMOND DRILL RECORD,

HOLE NO.

KL-5

PROPERTY KLAZAN

SHEET NUMBER 5

SECTION FROM 114 TO 149

STARTED

LATITUDE

DATUM

COMPLETED

DEPARTURE

BEARING

ULTIMATE DEPTH

ELEVATION

DIP

PROPOSED DEPTH

DEPTH FEET	CORE RECOV	DESCRIPTION	CORE SAMPLE NO.	FOOTAGE	CORE ASSAYS				SLUDGE SAMPLE NO.	FOOTAGE	SLUDGE ASSAYS			
					AG.	CU. %	MoS2%	ZN.			AG.	CU.	PB.	ZN.
114- 116'6"	100%	Massive light greenish grey, slightly altered and not fractured feldspar por. Slight chloritization of biotite, Est.50% replacement of biotite. Few fractures have hairlines of pyrite and sericite? Mineralization est. at 1% diss. anhedral pryte.												
116'6"- 149'	95%	Highly altered feldspar por. Alteration largely argillic with est. clays comprising 30-50% of rock unit. Find blebs <1cm of green clays composing up to 10% of interval. Also dark green chlorite after biotite. Fract. high with local brecciation. Later clay minerals, chlorite & anhedral pyrite compose matrix. Find short intervals of non-fract. feldspar por. with diss. pyrite and without large blebs of chlorite and	9644	115-120		.008								
			9645	120-125		.022								
			9646	125-130		.022								
			9647	130-135		.014								
			9648	135-140		.014								

DIAMOND DRILL RECORD,

HOLE NO. KL-5

PROPERTY KLAZAN

SHEET NUMBER 6 SECTION FROM 149 TO 158'6" STARTED _____
 LATITUDE _____ DATUM _____ COMPLETED _____
 DEPARTURE _____ BEARING _____ ULTIMATE DEPTH _____
 ELEVATION _____ DIP _____ PROPOSED DEPTH _____

DEPTH FEET	CORE RECOV	DESCRIPTION	CORE SAMPLE NO.	FOOTAGE	CORE ASSAYS				SLUDGE SAMPLE NO.	FOOTAGE	SLUDGE ASSAYS			
					AG.	CU.%	MoS2%	ZN.			AG.	CU.	PB.	ZN.
116'6"- 149'	Contd.	clay minerals. Mineralization est. at 2% pyrite, .02-.04% Cu and <.02% MoS2. Few flakes of MoS2 diss. in breccia. Also few grains of sphalerite present.	9649	140-145		.010								
			9650	145-150		.010								
149-153	80%	Highly altered and fract. interval with only white and green clays, chlorite, little qtz. and pyrite remaining. No large segreg- ations of chlorite or clays. All breakable by hand. Find fracture at 153' with only white clay remaining.												
153- 158'6"	100%	Green grey feldspar por. with up to 30% phenocrysts of K-feld. <3mm in an aphanitic matrix of qtz, orthoclase and plagioclase. Alteration low with slight sericitization of phenocrysts and chloritization of biotite. Est. <10% green clays present. Mineralization: Est. 1-2% diss. anhedral pyrite, no visible MoS2, traces of Cu.	9651	150-155		.010								
			9652	155-160		.010								

KL-5

STARTED _____

COMPLETED _____

ULTIMATE DEPTH _____

PROPOSED DEPTH _____

[illegible]

DIAMOND DRILL RECORD,

HOLE NO. KL-5

PROPERTY KLAZAN

SHEET NUMBER 8 SECTION FROM 197 TO 210 STARTED

LATITUDE _____ DATUM _____ COMPLETED _____

DEPARTURE _____ BEARING _____ ULTIMATE DEPTH _____

ELEVATION _____ DIP _____ PROPOSED DEPTH _____

DEPTH FEET	CORE RECOV	DESCRIPTION	CORE SAMPLE NO.	FOOTAGE	CORE ASSAYS				SLUDGE SAMPLE NO.	FOOTAGE	SLUDGE ASSAYS			
					AG.	CU. %	MoS2%	ZN.			AG.	CU.	PB.	ZN.
197-198	100%	Dark green feldspar por. with little alteration and low fracturing. Appears as plagioclase being replaced by epidote and chlorite after biotite. Fracturing low with qtz. fillings with up to 10% pyrite and traces of molybdenite. Est. 2% diss. anhedral pyrite and traces of Cu and MoS2.	9660	195-200		.014	.005							
198-210	98%	Light greenish-grey feldspar por. highly altered and fractured, similar to interval from 158'6" to 197'. Also contains up to 1% pink secondary k-feld" Later fractures at 60-70°/axis with fillings of calcite. Est. 2% pyrite, .02-.05% Cu and no visible MoS2.	9661	200-205		.012								
			9662	205-210		.012								
				</										

DIAMOND DRILL RECORD,

HOLE NO. KL-5

PROPERTY KLAZAN

SHEET NUMBER 9

SECTION FROM 210 TO 242

STARTED

LATITUDE

DATUM

COMPLETED

DEPARTURE

BEARING

ULTIMATE DEPTH

ELEVATION

DIP

PROPOSED DEPTH

DEPTH FEET	CORE RECOV	DESCRIPTION	CORE SAMPLE NO.	FOOTAGE	CORE ASSAYS				SLUDGE SAMPLE NO.	FOOTAGE	SLUDGE ASSAYS			
					AG.	CU. %	MoS2 %	ZN.			AG.	CU.	PB.	ZN.
210-229	95%	Light greenish-grey feldspar por. locally brecciated and highly altered with est. 20% carbonatization of orthoclase phenocrysts. Fract. high, all hairlines, few contain qtz. fillings. Trends generally 60-80°/axis. Contains short intervals of highly altered but not fractured material. Est. ~2% diss. pyrite with associated green chlorite and clays. Few traces of Cu.	9663	210-215		.007								
			9664	215-220		.007								
			9665	220-225		.004								
			9666	225-230		.004								
229-242	100%	Dark green-grey feldspar por. with low alteration and fracturing. Est. <10% replacement of orthoclase phenocrysts by calcite, up to 50% replacement of biotite by chlorite and minor amounts of green clays. Fract. very low with fillings <1/16" of anhedral pyrite and calcite. Find carbonate bleaching of orthoclase phenocrysts up to 2" from fractures. Est. 2% diss. anhedral pyrite and traces of Cu.	9667	230-235		.012								
			9668	235-240		.012								

DIAMOND DRILL RECORD,

HOLE NO. KL-5

PROPERTY KLAZAN

SHEET NUMBER 10 SECTION FROM 242 TO 306 STARTED _____
LATITUDE _____ DATUM _____ COMPLETED _____
DEPARTURE _____ BEARING _____ ULTIMATE DEPTH _____
ELEVATION _____ DIP _____ PROPOSED DEPTH _____

DEPTH FEET	CORE RECOV	DESCRIPTION	CORE SAMPLE NO.	FOOTAGE	CORE ASSAYS				SLUDGE SAMPLE NO.	FOOTAGE	SLUDGE ASSAYS			
					AG.	CU. %	MoS2%	ZN.			AG.	CU.	PB.	ZN.
242-243	100%	Light grey fine grained feldspar por. with phenocrysts composing approx. 25% of rock unit and <2mm in size. Fracturing nil, alteration low with calcite after ortho-	9669	240-245		.026								
		clase. Slight foliation of phenocrysts parallel to contact, 60°/axis. Est. 1% pyrite.												
243-306	95%	Medium greenish-grey feldspar por. with little to no fracturing and low alteration.	9670	245-250		.026								
		Alteration consisting of up to 20%? re-	9671	250-255		.033								
		placement of orthoclase phenocrysts by carb-												
		onate, often leaving rims of calcite sur-	9672	255-260		.033								
		rounding orthoclase. Carbonitization gives	9673	260-265		.030								
		white coluration and less often pink tinges	9674	265-270		.030								
		to orthoclase phenocrysts. Also find re-	9675	270-275		.016								
		placement of biotite by chlorite. Est. up	9676	275-280		.016								
		5% green clays in matrix as semi-translucent	9677	280-285		.016								

HOLE NO.

PROPERTY _____ KLAZAN

ELEVATION _____ DIP _____ PROPOSED DEPTH _____

[illegible]

DIAMOND DRILL RECORD,

HOLE NO. KL-5

PROPERTY KLAZAN

SHEET NUMBER 12 SECTION FROM 306 TO 321 STARTED _____
LATITUDE _____ DATUM _____ COMPLETED _____
DEPARTURE _____ BEARING _____ ULTIMATE DEPTH _____
ELEVATION _____ DIP _____ PROPOSED DEPTH _____

DEPTH FEET	CORE RECOV	DESCRIPTION	CORE SAMPLE NO.	FOOTAGE	CORE ASSAYS				SLUDGE SAMPLE NO.	FOOTAGE	SLUDGE ASSAYS			
					AG.	CU. %	MoS2%	ZN.			AG.	CU.	PB.	ZN.
306-310	100%	Dark green feldspar por. Alteration and fracturing low. Alteration largely chloritization and carbonization, few grains of epidote after plagioclase. Est. <1% carbonate present. Fracturing low with fillings of pyrite and later calcite. Est. 2-3% pyrite with traces of chalcopyrite. Est. .05-.06% Cu. No evidence of MoS2.	9682	305-310		.022								
310-321	99%	Med. green-grey felspar por. with est. <20% carbonate replacement of orthoclase phenocrysts. Also chlorite and minor amounts of clays & sericite. Fracturing low with prominent fractures at 45-60°/axis. Filling massive pyrite, <1/16", later fractures filled with calcite. Est. <.05% Cu as fine diss. grains.	9683	310-315		.022								
			9684	315-320		.022								

HOLE NO. KL-5

SHEET NUMBER	13	SECTION FROM	321	TO	332	STARTED	
LATITUDE		DATUM				COMPLETED	
DEPARTURE		BEARING				ULTIMATE DEPTH	
ELEVATION		DIP				PROPOSED DEPTH	

[illegible]

DIAMOND DRILL RECORD,

HOLE NO. KL-5

PROPERTY KLAZAN

SHEET NUMBER 16

SECTION FROM 371 TO 379

STARTED _____

LATITUDE _____

DATUM _____

COMPLETED _____

DEPARTURE _____

BEARING _____

ULTIMATE DEPTH_____

ELEVATION_____

DIP _____

PROPOSED DEPTH _____

[illegible]

DIAMOND DRILL RECORD,

HOLE NO. KL-5

PROPERTY KLAZAN

SHEET NUMBER 17 SECTION FROM 379 TO 419 STARTED _____
LATITUDE _____ DATUM _____ COMPLETED _____
DEPARTURE _____ BEARING _____ ULTIMATE DEPTH _____
ELEVATION _____ DIP _____ PROPOSED DEPTH _____

DEPTH FEET	CORE RECOV	DESCRIPTION	CORE SAMPLE NO.	FOOTAGE	CORE ASSAYS				SLUDGE SAMPLE NO.	FOOTAGE	SLUDGE ASSAYS			
					AG.	CU. %	MoS2 %	ZN.			AG.	CU.	PB.	ZN.
379-419	99%	Light grey feldspar por. with high alter- ation and low to moderate fracturing.	9697	380-385		.006								
		Alteration consisting of est. 20-50% silic- ification of matrix; <10% pink feldspathiz- ation as diffuse pink grains <2mm in size; <5% green chlorite replacing biotite; Green clays and sericite as blebs est. at 10-20% of unit, and <5% calcite after orthoclase.	9698	385-390		.006								
		Find short intervals of non-silicified mat- erial with largely sericite & carbonate alteration. Fracturing low, with fillings of hairline pyrite and <1/8" of calcite. Min- eralization est. at 3-4% anhedral pyrite as diss. grains and as blebs <1/2". Blebs consist of dark green chlorite, sericite & clays with massive anhedral pyrite. Grains of	9699	390-395		.008								
			9700	395-400		.008								
			9901	400-405		.009								
			9902	405-410		.009								
			9903	410-415		.013								

HOLE NO. KL-5

KLAZAN

ELEVATION _____ DIP _____ PROPOSED DEPTH _____

[illegible]

HOLE NO. KL-5

SHEET NUMBER 19 SECTION FROM 423 TO 441 STARTED

DEPARTURE _____ BEARING _____ ULTIMATE DEPTH _____

[illegible]

DIAMOND DRILL RECORD,

HOLE NO. KL-5

PROPERTY KLAZAN

SHEET NUMBER 20 SECTION FROM 441 TO 464 STARTED

LATITUDE DATUM COMPLETED

DEPARTURE BEARING ULTIMATE DEPTH

ELEVATION DIP PROPOSED DEPTH

DEPTH FEET	CORE RECOV	DESCRIPTION	CORE SAMPLE NO.	FOOTAGE	CORE ASSAYS				SLUDGE SAMPLE NO.	FOOTAGE	SLUDGE ASSAYS			
					AG.	CU. %	MoS2%	ZN.			AG.	CU.	PB.	ZN.
441-443	100%	Dark green relatively unaltered & not fract.												
		feldspar por. Est. 50% alteration of biotite												
		by chlorite and <1% epidote after plagio-	9909	440-445		.024	.013							
		clase. Little calcite. Est. 2% pyrite and												
		.03-.05% Cu.												
443-464	95%	Light grey highly altered feldspar por.												
		Alteration est. at 10-40% silicification,												
		10-15% K-feldspathization, 1-2% chloritiz-	9910	445-450		.024	.013							
		ation, <5% carbonatization and 2-3% pyrit-												
		ization. Orthoclase phenocrysts <3mm in size	9911	450-455		.018	.003							
		generally subrounded with calcite rims and												
		often pink diffuse sections thought to be	9912	455-460		.018	.003							
		secondary feldspar. Fract. low to nil, fillings												
		hairlines of calcite & pyrite. One qtz. fill-	9913	460-465		.028	.006							
		ing with MoS2 at 450'. Also find blebs of												
		chlorite and sericite with associated massive												
		pyrite. Find diss. grains of chalcopryite,												

very sporadic. Est. .05-.08% Cu.

DIAMOND DRILL RECORD,

HOLE NO. KL-5

PROPERTY KLAZAN

SHEET NUMBER 21 SECTION FROM 464 TO 470 STARTED

LATITUDE _____ DATUM _____ COMPLETED _____

DEPARTURE _____ BEARING _____ ULTIMATE DEPTH _____

ELEVATION _____ DIP _____ PROPOSED DEPTH _____

[illegible]

HOLE NO. KL-5

SHEET NUMBER 23 SECTION FROM 496 TO 515 STARTED _____
 LATITUDE _____ DATUM _____ COMPLETED _____
 DEPARTURE _____ BEARING _____ ULTIMATE DEPTH _____
 ELEVATION _____ DIP _____ PROPOSED DEPTH _____

[illegible]

DIAMOND DRILL RECORD,

HOLE NO. KL-5

PROPERTY KLAZAN

SHEET NUMBER 24 SECTION FROM 515 TO 553 STARTED

LATITUDE _____ DATUM _____ COMPLETED _____

DEPARTURE _____ BEARING _____ ULTIMATE DEPTH _____

ELEVATION _____ DIP _____ PROPOSED DEPTH _____

[illegible]

HOLE NO. KL-5

PROPERTY KLAZAN

SHEET NUMBER 25 SECTION FROM 553 TO 571 STARTED

LATITUDE _____ DATUM _____ COMPLETED _____

DEPARTURE _____ BEARING _____ ULTIMATE DEPTH _____

ELEVATION _____ DIP _____ PROPOSED DEPTH _____

[illegible]

HOLE NO. KL-5

SHEET NUMBER <u>26</u>	SECTION FROM <u>571</u> TO <u>602</u>	STARTED _____
LATITUDE _____	DATUM _____	COMPLETED _____
DEPARTURE _____	BEARING _____	ULTIMATE DEPTH _____
ELEVATION _____	DIP _____	PROPOSED DEPTH _____

[illegible]