

Diamond Drill Record

61950 DS-73 PAGE 1 OF 9

COLLAR		HOLE SURVEY		
NORTH	100+25N	FOOTAGE	AZIMUTH	DIP
EAST	184+30W	0		-90
ELEVATION		No acid tests due to permafrost		
LOGGED BY	Gregg Jilson			
DATE LOGGED	9/72			
MAP REFERENCE NO	NTS 105-K6	METHOD		

COMPANY NAME KANGAROO EXPLORATION CORPORATION
 PROPERTY NAME MT. MYE
 DRILLING CONTRACTOR E. Caron Diamond Drilling
 ASSAYER _____
 PURPOSE OF HOLE To test phyllites below geochem anomaly

HOLE NO	<u>K-72-4</u>
CLAIM NAME	<u>KD 1</u>
COMMENCED	<u>28 Aug. 1972</u>
FINISHED	<u>7 Sept. 1972</u>
PROJECT NO	<u>460</u>

FROM	TO	RECOVERY	DESCRIPTION	SAMPLE				ASSAYS							
				FROM	TO	WIDTH	NO.								
0	21	Nil	Overburden and broken rock.												
	6.4														
21	61	100%	Grey green amygdaloidal chloritic metavolcanic rock, minor sphalerite in amygdules with quartz and Fe carbonate(?). A few quartz carbonate veins with minor sphalerite parallel to S ₁ foliation. Normal to foliation at 20-25° to core axis.												
	18.6	SH													
61	74	100%	More felsic metavolcanic or same rock as above altered before metamorphism. Buff sericitic folia surrounding more quartzose eyes and lenses. Several folded and squeezed quartz (+ carbonate?) veins generally less than 1" thick with minor pyrrhotite and very minor sphalerite - very minor sphalerite in amygdules. Becomes progressively greener with depth and grades near 74' into:												
	22.6	SH													
74	91	100%	Grey green amygdaloidal chloritic phyllite with scattered pre deformation and post deformation(?) quartz veinlets. Very minor sphalerite in some veinlets. Amygdules contain hematite, pyrrhotite, chalcocopyrite or sphalerite with quartz; zinc and copper content very low.												
	27.7	SH													
91	110	100%	Buff sericitic foliated amygdaloidal metavolcanic as above, locally very rusty and vugular suggesting considerable leached sulfides.												
	33.5	SH													

[Handwritten signature]

017448

COLLAR:
 NORTH _____
 EAST _____
 ELEVATION _____
 LOGGED BY _____
 DATE LOGGED _____
 MAP REFERENCE NO _____

HOLE SURVEY		
FOOTAGE	AZIMUTH	DIP
METHOD		

Diamond Drill Record

COMPANY NAME _____
 PROPERTY NAME _____
 DRILLING CONTRACTOR _____
 ASSAYER _____
 PURPOSE OF HOLE _____

DD 73 PAGE 2 OF 9
 HOLE NO K-72-4
 CLAIM NAME _____
 COMMENCED _____
 FINISHED _____
 PROJECT NO 460

FROM	TO	RECOVY	DESCRIPTION	SAMPLE				ASSAYS (ppm)					
				FROM	TO	WIDTH	NO	Pb	Zn	Cu			
			Contact is not clearly a thrust or depositional contact or the latter modified by tectonism. The occurrence of grit in the transition from mainly volcanic to mainly sedimentary rock suggest a modified depositional contact.										
681	797	242.9 58	Grey phyllite - with very thin quartz + pyrite layers. Core is moderately broken and fractures are rusty and yellowish near upper contact, perhaps a zinc alteration product.	685	686	1'							
			Particularly quartzose from 723 to 731' with a few pyrite rich layers less than 1" thick.	695	696	1'							
			Below 731' grey phyllite as above but locally richer in pyrite - probably averages about 20%. Contains a few coarser sandy more pyrite rich layers but mostly monotonous grey phyllite to total depth.	705	706	1'							
			Two short sections of very light green tuff 767-768' and 772-773'. Fabric in phyllites is confusing - there is a good pervasive metamorphic foliation locally crenulated by a foliation at about 60°.	715	716	1'							
			S ₁ (or S ₂ ?) varies from 0 to about 45°. The good foliation is locally widely spaced but never clearly crenulates a previous metamorphic foliation as is the case elsewhere on the property. Locally a case can be made for a previous fabric but it must have been	725	726	1'							
			practically a slaty cleavage as it is barely visible but the good	735	736	1'							
				745	746	1'							
				755	756	1'							

Diamond Drill Record

DC-173 PAGE 4 OF 4

COLLAR		HOLE SURVEY		
NORTH		FOOTAGE	AZIMUTH	DIP
EAST				
ELEVATION				
LOGGED BY				
DATE LOGGED				
MAP REFERENCE NO.		METHOD		

COMPANY NAME _____
 PROPERTY NAME _____
 DRILLING CONTRACTOR _____
 ASSAYER _____
 PURPOSE OF HOLE _____

HOLE NO. K-72-6
 CLAIM NAME _____
 COMMENCED _____
 FINISHED _____
 PROJECT NO. 460

FROM	TO	RECOVY	DESCRIPTION	SAMPLE			ASSAYS						
				FROM	TO	WIDTH	NO	Pb (ppm)	Zn (ppm)	Cu (ppm)	% Py	Pb/Zn	S ₁
										1%	334'	30°	45°
				355	356	1'				1%	340'	-	-
										<1%	345'	Steep	35°
				365	366	1'				1-2%	352'	-	-
										<1%	355'	-	35°
				375	376	1'				2%	361'	-	? 30°
										<1%	365'	-	? 35°
				385	386	1'				2%	371'	-	? 40°
										<1%	377'	-	-
				395	396	1'				<1%	384'	-	? 35°
										1%	392'	-	-
										<1%	398'	-	-

Diamond Drill Record

COLLAR	HOLE SURVEY		
	FOOTAGE	AZIMUTH	DIP
NORTH _____			
EAST _____			
ELEVATION _____			
LOGGED BY _____			
DATE LOGGED _____			
MAP REFERENCE NO _____	METHOD _____		

COMPANY NAME _____
 PROPERTY NAME _____
 DRILLING CONTRACTOR _____
 ASSAYER _____
 PURPOSE OF HOLE _____

HOLE NO	K-72-7
CLAIM NAME	_____
COMMENCED	_____
FINISHED	_____
PROJECT NO	460

FROM	TO	RECOVERY	DESCRIPTION	SAMPLE				ASSAYS				Footage				
				FROM	TO	WIDTH	NO	% Zn	% Cu	% Pb	Ag Au oz/ton	S1	S2	%ZnS		
51	138.5	42.2	Brecciated as above and fairly well mineralized but still low grade probably 1% Zn or less.													
		(Unit A+V) (and rusty float)	63-65' hi-grade zone of coarse sphalerite and carbonate and chloritic gangue, minor chalcopyrite and pyrrhotite.	50	60	10'	28662	1.44	0.14	0.04			53'			
		42.2 20	70-71' barren zone of unbrecciated grey metavolcanic rock.	60	70	10'	28663	3.00	0.12	0.12			100?			<1%
			Below 71' Zn grade picks up and locally is probably over 2%.										59'			
			Most sphalerite is disseminated through breccia matrix and in relatively thin veinlets up to 1/2". Some fragments contain sphalerite and one seems to have a pre breccia veinlet. Sphalerite tends to be marginal to fragments locally. Sphalerite is the only important sulfide. Pyrite is minor and generally localized in veinlets. Pyrrhotite is minor as blebs. Chalcopyrite is minor and associated with sphalerite and rarely pyrite, galena is rare.	70	75	5'	28665	2.08	0.08	0.02			20°	-		1%
			Narrow (6") hi-grade zones at 80' and 84'.										63'			
			Locally heavily leached and rusty 92-100'.	75	80	5'	28651	1.13	0.09	0.02			18°	-		1%
			A few sections of grey tuffaceous and/or amygdaloidal metavolcanics occur (as at 70-71') notably 76-77 1/2', 89-91' and near 93'. These are certainly barren and pyrrhotite predominates generally occurring as amygdaloidal fillings with local sphalerite or chalcopyrite cores.	80	85	5'	28652	4.00	0.26	0.06	0.49 0.005		?	-	10-15%	
			These barren sections are probably related to the enclosing rock by a decrease in intensity of pre metamorphic hydrothermal alteration										71'			
				85	90	5'	28653	0.86	0.09	0.01			72'			
													25°	-		Nil
													76'			
													200?	-		2%
													61'			
													20°	-		<1%
													86'			
													20°	-		5%

Diamond Drill Record

DD-173 PAGE 1 OF 8

COLLAR:		HOLE SURVEY		
NORTH		FOOTAGE	NO	DIP
EAST				
ELEVATION				
LOGGED BY				
DATE LOGGED				
MAP REFERENCE NO		METHOD		

COMPANY NAME _____
 PROPERTY NAME _____
 DRILLING CONTRACTOR _____
 ASSAYER _____
 PURPOSE OF HOLE _____

HOLE NO K-72-7
 CLAIM NAME _____
 COMMENCED _____
 FINISHED _____
 PROJECT NO 450

FROM	TO	RECOVERY	DESCRIPTION	SAMPLE				ASSAYS				Footage		
				FROM	TO	WIDTH	NO	% Zn	% Cu	% Pb	Ag oz/ton	S ₁	S ₂	%ZnS
			and mineralization.									90'		
			Between 100 and 120' seems to be interlayered sequence of strongly deformed brecciated and unbrecciated rocks. Mineralization varies considerably but no consistent association with lithology - seems to be a fairly low grade section with only a few narrow hi-grade zones. In short sections a buff amygdaloidal metavolcanic (probably originally a felsic rock) is interlayered with the generally darker grey metavolcanics and breccia and tends to be relatively barren.	90	95	5'	28654	0.84	0.04	0.01		15°	-	Nil
			120-138 1/2' few breccia fragments, grey tuffaceous? metavolcanic with a section of grey pelite from 134 1/2-136' and 132 1/2-133 1/2'. Mineralization tends to be larger discrete blebs and narrow veinlets - mostly sphalerite.	95	100	5'	28655	1.23	0.10	0.02		15°	-	1%
			Grey pelitic phyllite with a few deformed Fe carbonate veinlets. Phyllite is well bedded.	100	105	5'	28656	1.58	0.06	0.01		20°	-	<1%
			High grade zone with coarse sphalerite, abundant pyrrhotite pyrite and chalcopyrite locally abundant. Gangue Fe carbonate and country rock partly replaced by carbonate.	105	110	5'	28657	1.51	0.07	0.01		20°	-	1%
			Beyond 145' grade and sulfide content decreases. Abundant gangue is unidentifiable. Altered metavolcanics.	110	115	5'	28658	2.25	0.14	0.06		20°	-	<1%
			Grey phyllite and altered metavolcanics. Abundant vein material and blebs of sphalerite - some galena.	115	120	5'	28659	0.73	0.08	0.02		20°	-	<1%
138.5	140.5	95	Grey pelitic phyllite with a few deformed Fe carbonate veinlets. Phyllite is well bedded.	120	130	10'	28666	1.38	0.06	0.04		0°	-	5%
140.5	149	7	High grade zone with coarse sphalerite, abundant pyrrhotite pyrite and chalcopyrite locally abundant. Gangue Fe carbonate and country rock partly replaced by carbonate.									118'	20°	<1%
			Beyond 145' grade and sulfide content decreases. Abundant gangue is unidentifiable. Altered metavolcanics.									121'	15°	2%
			Grey phyllite and altered metavolcanics. Abundant vein material and blebs of sphalerite - some galena.	130	140	10'	28667	0.90	0.07	0.02		20°	Steep	1-2%
			Beyond 145' grade and sulfide content decreases. Abundant gangue is unidentifiable. Altered metavolcanics.									123'	20°	<1%
			Grey phyllite and altered metavolcanics. Abundant vein material and blebs of sphalerite - some galena.									129'	5°	2%
148	154	100%	Grey phyllite and altered metavolcanics. Abundant vein material and blebs of sphalerite - some galena.	140	145	5'	28668	8.21	0.42	0.56	1.42	137'	10°	<1%
			Grey phyllite and altered metavolcanics. Abundant vein material and blebs of sphalerite - some galena.									140'	30°	50% ppp. 1%

Diamond Drill Record

COLLAR:		HOLE SURVEY		
NORTH _____	FOOTAGE _____	AZIMUTH _____	DIP _____	
EAST _____				
ELEVATION _____				
LOGGED BY _____				
DATE LOGGED _____				
MAP REFERENCE NO _____		METHOD _____		

COMPANY NAME _____
 PROPERTY NAME _____
 DRILLING CONTRACTOR _____
 ASSAYER _____
 PURPOSE OF HOLE _____

HOLE NO	K-72-7
CLAIM NAME	_____
COMMENCED	_____
FINISHED	_____
PROJECT NO	460

FROM	TO	RECOVY	DESCRIPTION	SAMPLE				ASSAYS				Footage					
				FROM	TO	WIDTH	NO	% Zn	% Cu	% Pb	Ag Au	S1	S2	%ZnS			
154	158	100%	Grey phyllite with several diverse types of mineralized veins.														
	48.2	65		145	150	5'	28670	4.98	0.16	0.25	0.70 0.005	144'	-	-	15%		
158	161.5	100%	High grade zone as above.	150	155	5'	28671	3.00	0.12	0.29		149'					
	49.2	7		155	160	5'	28672	1.64	0.28	0.07		30°			<1%		
161.5	182	100%	Complex rusty altered metavolcanics with scattered sphalerite + Fe carbonate veins. Basic metavolcanic rock is greenish grey.	160	165	5'	28673	4.65	0.30	0.08		154'					
	55.5	7		160	165	5'	28673	4.65	0.30	0.08		45°?			5%		
		64x	170 1/2-177 1/2' carbonate vein material locally brecciated by later mineralization - low grade mineralization throughout.	165	175	10'	28674	2.02	0.06	0.12		156'					
												0-30°			<1%		
												166'					
182	190	100%	Reddish tuff? with cream colored layers and fragments, locally crenulated by S2 or S3 dipping ~70°.	175	185	10'	28675	1.68	0.06	0.41		?	-	2%			
	57.9	8x										169'					
190	205	100%	Above rock grades near 190' into greenish grey metavolcanic also with creme colored fragments and/or layers. High grade zones near 195' and 197' and 202' and 204'.	185	195	10'	676	1.16	0.02	0.08		0-10°?	-	2%?			
	52.5	7										179'					
		64x										-	-	1%			
												184'					
205	208	100%	Grey pelitic phyllite - well bedded. Bedding normal at 10° to core axis - minor mineralized veins.	195	205	10'	677	3.50	0.12	0.36		20°	-	2%			
	63.4	0.5										187'					
												?	-	<1%			
208	238	100%	Greenish grey metavolcanics with cream colored fragments and lenses, probably unit A - locally abundant coarse blebs (often									191'					
	72.5	0.0										20-30°	~70	Nil			

Diamond Drill Record

CULLAH	HOLE SURVEY		
NORTH _____	FOOTAGE	AZIMUTH	DIP
EAST _____			
ELEVATION _____			
LOGGED BY _____			
DATE LOGGED _____			
MAP REFERENCE NO _____	METHOD		

COMPANY NAME _____
 PROPERTY NAME _____
 DRILLING CONTRACTOR _____
 ASSAYER _____
 PURPOSE OF HOLE _____

HOLE NO	K-72-7
CLAIM NAME	_____
COMMENCED	_____
FINISHED	_____
PROJECT NO	460

FROM	TO	RECOVY	DESCRIPTION	SAMPLE				ASSAYS				Footage		
				FROM	TO	WIDTH	NO	% Zn	% Cu	% Pb	Au oz/ton	S ₁	S ₂	% ZnS
			angular) and lenses of sphalerite with minor chalcopyrite and pyrrhotite.	205	215	10'	678	0.90	0.04	0.02		192' 200'	70°	1%
			Cream fragments not abundant below 230' but rest of rock is the same grey (slightly greenish) metavolcanic, probably a tuffaceous rock. Mineralization continues low grade as coarse angular blebs and in veinlets. Mainly sphalerite, minor pyrite and chalcopyrite mainly in veinlets, 6" high grade zone at 228' and 236 1/2-240' with moderate grade to 242'.	215	225	10'	679	1.00	0.06	0.02		196' 300'	-	<1%
				225	235	10'	680	3.40	0.04	0.02		202' -	-	10%
												207' 100'	37°	<1%
												211' 200'	-	2%
												217' 250'	-	1%
				235	240	5'	681	9.51	0.18	0.10		222' 300'	-	1%
												227' 5-20'	-	1-2%
												232' 250'	-	1%
238	310	100%	Cream colored metavolcanic rock. Same as fragments in above rocks. Generally has a light green tinge. Locally bleached (silicified?) especially near zinc bearing veinlets. From 240 to 253' S ₁ becomes locally quite steep. Flattens out again below 250'. Mineralization is mainly in folded veinlets and is associated with pyrite in some. A few blebs but not nearly as much as in the breccias. Between 260 and 280' cream metavolcanic grades through orange to cream earthy textured rock to greenish mottled earthy textured rock and eventually into gray green tuffaceous metavolcanic with fragments ~1/8" size. By 285' grades back into orange to cream punky mass that is the clay rich weathered equivalent of cream to light green tuffaceous metavolcanics locally preserved. Minor	240	250	10'	682	1.12	0.04	0.04		237' 300'	-	20%
	94.5	7										242' 0-90°	40°	5%
												247' 0-90°	30°	1%
				250	260	10'	683	0.46	0.04	0.02		252' 100+	35°	2%
												257' 200?	-	2%
				260	270	10'	684	0.86	0.04	0.02		262' 250'	-	1%
												267' ?	-	<1%
												272' 250?	-	Nil
				270	280	10'	685	0.30	0.01	0.07		277' -	-	<1%
												282' ?	-	Nil

COLLAR:		HOLE SURVEY		
NORTH _____	_____	FOOTAGE	AZIMUTH	DIP
EAST _____	_____			
ELEVATION _____	_____			
LOGGED BY _____	_____			
DATE LOGGED _____	_____			
MAP REFERENCE NO _____	_____	METHOD _____		

Diamond Drill Record

DD-173 PAGE 7 OF 8

COMPANY NAME _____
 PROPERTY NAME _____
 DRILLING CONTRACTOR _____
 ASSAYER _____
 PURPOSE OF HOLE _____

HOLE NO K-72-7
 CLAIM NAME _____
 COMMENCED _____
 FINISHED _____
 PROJECT NO 460

FROM	TO	RECOVERY	DESCRIPTION	SAMPLE				ASSAYS			Footage				
				FROM	TO	WIDTH	NO				S ₁	S ₂	%ZnS		
			mottled appearance. A near vertical crenulation foliation is locally developed in this rock giving foliation surfaces a wrinkle lineation.										337'		
			Local hematite or pyrrhotite/pyrite in amygdules and rare sphalerite also.										12°	-	Nil
			355 and 368' minor sphalerite in quartz vein (1").										347'		
			373' galena and chalcopyrite + pyrite in quartz vein (1/2")										15°	-	Nil
			394' hematite in quartz vein (2").												
			396 1/2' hematite + pyrite + minor fine black sphalerite in quartz vein (4").										366'		
			398' minor sphalerite in quartz vein.										15°	-	Nil
			404' steep thin Fe carbonate veinlet along steep reverse fault with 1" displacement.										376'		
			Below 412' quartz + carbonate material is fairly abundant occurring both as lenses along foliation and steep veins cutting foliation and carrying minor sphalerite + pyrite (413-414' = 1% Zn). Quartz +										382'		
			carbonate veins less abundant below 427'. Minor sphalerite in quartz vein at 433'.										10°	-	Nil
			Minor sphalerite + galena quartz vein at 437'. Rock locally weathered tan.										420'		
			Below 450' to total depth at 464' quartz carbonate lenses parallel to foliation are abundant again. Carry only minor pyrrhotite and										5°	-	Nil

COLLAR		HOLE SURVEY	
NORTH	61+80N	FOOTAGE	AZIMUTH
EAST	229+25W	0	185° -70
ELEVATION			
LOGGED BY	Greg Jilson	No acid tests	
DATE LOGGED	9/72		
MAP REFERENCE	ANTS 105-K-6	METHOD	

Diamond Drill Record

COMPANY NAME KANGAROO EXPLORATION CORPORATION
 PROPERTY NAME MT. MYE
 DRILLING CONTRACTOR E. Caron Diamond Drilling
 ASSAYER _____
 PURPOSE OF HOLE To test Mag/EM feature

HOLE NO	K-72-5
CLAIM NAME	AM 5
COMMENCED	14 Aug. 1972
FINISHED	20 Aug. 1972
PROJECT NO	460

105K-6

FROM	TO	RECOVERY	DESCRIPTION	SAMPLE				ASSAYS					
				FROM	TO	WIDTH	NO						
0	30	9.1	Overburden and broken rock - no recovery.										
30	36	11.0	100% Grey bedded phyllite - minor pyrrhotite. <i>65</i>										
35	38.5	11.7	100% Chloritic phyllite. <i>2t</i>										
33.5	50.5	15.4	100% Grey bedded phyllite with some chloritic material. <i>65</i>	48	49	1'							
50.5	56.5	17.2	100% Chloritic phyllite with short infolded sections of grey bedded phyllite - numerous irregular quartz + carbonate veins with minor amounts of pyrite and pyrrhotite and traces of chalcopyrite and sphalerite. <i>2t</i>										
56.5	69	20.7	100% Grey bedded phyllite and greenish grey bedded tuffaceous chloritic phyllite - grades into chloritic phyllite near 68' - minor sphalerite at 57' - contains several small quartz veinlets - with considerable quartz carbonate material from 62-64' with minor pyrrhotite and traces of sphalerite(?). Composite banding at 15° to core axis. S ₂ at 20° opposite. <i>65</i>										
68	78.5	23.9	100% Chloritic phyllite, good S ₁ foliation crenulated by S ₂ . S ₂ at ~30° <i>2t</i>										

[Handwritten signature]

