



Diamond Drilling

Area of Dogpaw Lake

Report NO 19

Work performed by: Goldray Mines Ltd.

Claim Nº	Hole NQ	Footage	Date	Note
K 242352	1	407	Sept/70	
K 242350	2 3 4	361 406 314	Sept/70 Sept/70 Sept/70	
	4	1482		

Notes:

ROPERTY	Wisener :	Lake	••••				HOL	E NO	D.D.H	1. #1	
.AT	21:00S		D	-45			HOL	E STARTE	D Aug	30/7	0
EP	1+04W		A	ZIMUTHEast on li	ine		HOL	E FINISHE	D Sept	. 11/	'70
LEV	V			ogged by W.P. Boyko	.		LEN	GTH <u>4 (</u>).7 si	ZEAX	T
FOOTAGE			DESC	RIPTION		SAMPLE NO.	LENGTH				
				From	То						
0-57	CASIN	<u>G</u> - bould	ers								
57-127	Tuffa	ceous Volc	anio	c - Medium to dan	ck grey			•			-
	Irreg with	ularly ban	ded pear	brownish biotite at 40-45°. Alter cance - generally calized.							
	4501		5 -	Irregular splashed chalco up to ½" a brownish streaks, probably of very biotite, but could sphalerite as well occasional hair-	ecross fine ld be	•					
	4502	(62 - 67) 63 66	-	5.0' Minor chalco dissand possible sphachalco stringer lirregular disseminated chall across at 45°	alerite 1/8" -						
	4503	(67 - 72)	-	5.0' Brownish streaked broken, altered with minor chalco possible sphaler:	tuff and						
	4504	(72 - 77)	-	5.0' Minor mineraliza	tion						
	4505	(77 - 82)	•**	5.0' Same as above - r mineralization	minor						
	4506	(82 - 87) 83 - 85		5.0' pyrite, sphaleri chalco 10-15%	te and						
		#86)	/7/	Dogpan d	h						

PROPERTY		HOLE NO D. D. H #1
LAT.	DIP	HOLE STARTED
DEP.	AZIMUTH	HOLE FINISHED
ELEV.	LOGGED BY	LENGTH SIZE

FOOTAGE		D	ESC	RIPTION	SAMPLE NO.	LENGTH]	
				From To			ż			
	4507	(87 - 92)	•	5.0' Banding definite, cherty appearance. Minor mineralization - brownis streaks.						
	4508	(92 - 97)	-	5.0' Minor mineralization. Brownish banding.		•				
	4509	(97 - 102)	-	5.0' Greyish banded tuff - Streaks of pyrite - minor sphalerite.				•	The state of the s	
	4510	(102-107)	~	5.0' Same as above.						
	4511	(107-112)	-	5.0' Moderate pyrite, pyrrhotite disseminated and along banding - 5-10 traces chalco and sphalerite.						
	4512	(112-117)	-	5.0' 30% pyrrhotite, pyrite, trace chalco and sphalerite.		•				
	4513	(117-122)	-	5.0' 10-20% pyrr, minor pyrite, trace chalco. Rock not as fine grained in more mineralized sections.	ā					
	4514	(122-127)		5.0' 10-20% pyrr, py, sphalerite disseminated and parallel to banding which in this section is well developed.						

PROPERTY			HOL	E NO	D.D.H	. #1	
LAT.	DIP		HOL	E STARTE	ĒD		
DEP	AZIMUTH		HOL	E FINISHE	ED		
ELEV	LOGGED BY	••••	LEN	GTH	SI	ZE	
FOOTAGE	DESCRIPTION	SAMPLE NO.	LENGTH				
	From To						
127-170	Dacite - Tuffaceous - Medium grey.						
	Very fine grained, dense - Brownish mottled areas, probably find biotite alteration.	1					
	<pre>169 - pyrite banding along bedding over 6" width</pre>						
	170 - 171 - pyrite along banding - minor graphite.	-	•	 			
170-213	<u>Tuff - Siliceous</u> - Lighter color than				• •		
	above - Fine to dense banding, at times obscure.						
	<pre>196 - Minor pyrite, disseminated along bedding - trace sphalerite.</pre>						
213-370	Tuffaceous Volcanic - Darker, banding						·
	obscure at times - noticeable carbonate alteration, also some chloritization.						
	213 - 219 - porphyritic. 224.5 - 225 - Minor graphiticslip with disseminated pyrite. Minor pyrrhotite appears to	•		•			
	be associated with rock.		•				
	334 - 343 - 5% finely disseminated pyrite in fairly massive light colored volcanic.						-
370-384.5	Argillaceous Tuff - 10-20% graphite						
384.5-398	Siliceous Tuff						
398-407	Graphite Zone - Disseminated to massive						
	in band section. Pyrite crystals associate with the graphite.	đ					
407	END						
	. P. Bashe						

ROPERTYW	isener Lake		HOL	E NOI	D.D.H	. #2		
.AT	-45 DIP -45			E STARTI				
DEP0	0+00 AZIMUTH East on picket lin	ıe		E FINISHI				
	LOGGED BY W.P. Boyko				_			
FOOTAGE	DESCRIPTION	SAMPLE NO.	LENGTH					
	From To					1		
0-17	CASING							
17-82.5	Tuff - Medium to dark grey, bronzy color			'				
	due to biotite. Fragmental, with uniformly rounded dark fragments averaging 1/8", but some up to ½". Fairly massive rock, but gradational banding and occasional rock fragments indicate the rock most likely a coarse tuff. Banding 40-45° to CA. Ground mass is soft, probably carbonate, but in places biotite predominates. Over narrow sections, rock resembles a lamprophyre - carbonatite suite. Interlanded with very fine grained, narrow siliceous tuff bands occasionally. Sparse bands of pyrite 1/8".							
• .	59.5 - 61 - Irregular muscovite rich bands - 2" across							
	62 - ½" stringer of pyrite - sphalerite					1		
	62 - 84.5 - Fractured rock, minor car- bonate along fractures, also minor oxidation and pyrite 74 - ½" pyrite.	•						
82.5-107	Tuff - Rhyodacite - Medium grey, banded .						:	
	at 450 to CA. Fine to medium grey tuff.							
	88.5 - 4" pyrite-sphalerite Minor traces of sphalerite and pyrite. 95 - 96 - 10-15% pyrite, trace chalco - sheared zone.					•		
	101 - 102 - Medium grained dioritic band. Trace chalco. Minor shearing.	-						

PROPERTY	· · · · · · · · · · · · · · · · · · ·		HOLE	NO	D.D.H	#2	
LAT.	DIP	•••••	HOLE	STARTE	d	••••	
DEP	AZIMUTH		HOLI	E FINISHE	D	·····	
ELEV	LOGGED BY		LENGTH SIZE			ZE	
		·					
FOOTAGE	DESCRIPTION	SAMPLE NO.	LENGTH				
	From To						
107-114	Mineralized Dacite Tuff - Medium grey,	**					
	indistinct banding. Disseminated chalco, also stringers of chalco, sphalerite, pyrit and pyrrhotite.	e		•	٠		
	4515 (107 - 112) 5.0'						
	5 - 10% sulphides with chalco- sphalerite.						
	4516 (112 - 114) 2.0'						
	Slightly less mineralization than above.						
114-117	Heavy Mineralization - Massive sphalerite,						
	pyrite, pyrr, chalco.						
	4517 (114 - 117) 3.0'			-			
117-156	Tuff - Light to medium grey tuffaceous					-	
	volcanic - quite siliceous, probably approaching rhyolitic composition. Banding variable, from close-spaced cherty laminations to 1'-2' of massive rock Bedding quite uniform at 45°. Fracturing and movement evident throughout.						
156-160.5	Fragmental Volc porphyritic - light						
	colored fragments (phenos) in dark grey matrix.						
1.60.5-203	Rhyodacite Tuff - Light to medium grey.	•					
	Bedded at 40-45 . Solid, brittle rock.					· ·	2
203-205	Graphite-Shear - Massive graphite -		·			,	
	contacts at 30-40° - Contains 20% pyrite along shear planes. Slickensided planes.						\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \

PROPERTY		•	HOLI	E NO D	р. В. Н.	#2						
LAT.	DIP		HOLE STARTED									
DEP	AZIMUTH		HOL	E FINISHE	D							
ELEV	LOGGED BY	LOGGED BY			LENGTH SIZE							
FOOTAGE	DESCRIPTION	SAMPLE	LENGTH									
	From To	NO.										
205-247	Rhyodacite Tuff - Light to medium grey,		· .									
	slightly buffish. Banding not pronounced -flaten material probably present. Rock sound, unfractured			•								
247-248	<u>Graphite</u> - Massive graphite with stringers											
	of pyrite parallel to shear faces											
248-274.	Rhyodacite Tuff - Banding diffused and											
	indistinct. In places definitely rhyolitic with free quartz visible.	-	•									
	<pre>252 - 4", irregular garnet chlorite,</pre>											
·	251 - %" pyrite at perpendicular to banding.											
•	259.5 - 3/4" - massive pyrite - garnet - qtz. carb.											
	262.5 - 3/4" - pyrite - ankerite - qtz. approximately perpendicular to banding.			•,								
	268 - 274 - Finely dissem. pyrite.											
	272 - 2" graphite - pyrite.											
274.5-292	.5 Graphitic Tuff											
	274.5 - 277 - Fairly massive graphite with 10-20% pyrite along bedding.											
	277 - 292.5 - Graphite beds with pyrite interbedded with siliceous tuff.											
292.5-306	Rhyolite - faint banding, could be tuffaceous band.											

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PROPERTY			HOL	E NO. D.	D.H.	# 2	**********				
LAT	DIP		HOL	E STARTE	ED						
DEP.	AZIMUTH	AZIMUTH			HOLE FINISHED						
	LOGGED BY					IZE					
ELEV	LOGGED BY		LCN	G111		<u>دا</u>					
FOOTAGE	DESCRIPTION	SAMPLE NO.	LENGTH								
	From To										
306-316	Graphitic Tuff - gradational change to										
	siliceous tuff below. Pyrite always associated with the graphitic bands. Graphitic bands comprise 10-20% of rock. Trace of chalco, disseminated with pyrite at 306'.										
316-361	Rhyolite Tuff - Light grey, buff.										
	Siliceous, cherty appearance in places. Brittle rock. Occasionally pyrite along bedding.			•							
361	END										
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	re. P. Baylow										
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PROPERTY	Wisener Lake				HOLE NOD. D. H. #3							
LAT	00N DIP -45		HOL	E STARTE	D Sep	t16,	/7.0					
DEP	0+23E AZIMUTH East on picket	line	HOL	E FINISHE	D Sepi	t19,	/7.0					
ELEV	LOGGED BY W.P. Boyko	LOGGED BY W.P. Boyko			LENGTH 400 SIZE AX							
FOOTAGE	DESCRIPTION	SAMPLE NO.	LENGTH									
	From To											
0-10	CASING											
10-42	Tuff - Dark grey, fairly massive, but											
	with occasional banding at 45°. Fine to medium grained, resembling variable grainsize intermediate intrusive. Biotite. Occasional bands with blotches up to ½". 21-23 (Approx.) Felsitic band.	A Company										
42-60	Rhyodacite Tuff - Banding of variable											
	composition.											
60-64	Tuff - Coarse, massive.											
64-74	Tuff - Med. to dark grey											
	68.5 - 73 - mineralized by pyrrhotite, pyrite, trace chalco - about 10% trace sphalerite. 70 - 71 - 6" - 8" massive pyrrhotite, around coarse pyrite, trace chalco.											
	4518 (68 - 73) - 5.0		,	,								
74-84	Diabase - Fine grained, medium greenish											
	grey. Massive.											
84-110	Tuff - Medium to dark grey. Indistinct											
	banding generally, occasionally well developed. Siliceous, brittle.											
	84 - 87 - graphitic, with pyrrhotite pyrite and occasionally trace sphalerite sulphides 10-15%											
	89 - 94 - pyrite, pyrrhotite lenses along bedding - 10-20%											

PROPERTY	· · · · · · · · · · · · · · · · · · ·				HOLE NO. D.D.H. #3						
LAT	DIP	DIP			HOLE STARTED						
DEP.	AZIMUTH	AZIMUTH			HOLE FINISHED						
ELEV	LOGGED BY		LEN	GTH	Si	IZE					
				•		•					
FOOTAGE	DESCRIPTION	SAMPLE NO.	LENGTH								
	From To										
	229 - 230 - Lost core.										
253-286	Graphitic Tuff - Pyrite disseminated and	-									
	also as lenses parallel to bedding, averaging about 10%.										
	255 - slight brecciation, pyrite, graphit form matrix.	e e	•								
	255 - 257 - qtz. vein, dark colored.		:								
	220 - 229 - fractural										
286-324	Tuff - Light to medium grey, variable					:					
	grain size banding - rhyodacite composition. Sericitic.										
	286 - 291 - transitional graphitic zone, fractured and mineralized by disseminated pyrite. Some carbonate stringers.										
324-331	Graphitic Tuff - Slight graphite banding.			:	·.						
	Pyrite 10-20%, trace pyrrhotite. Contortion in banding.										
331-400	Tuffaceous Volcanic - Medium to light										
•	grey, siliceous rock. Minor pyrite parallel to banding between 331 and 345.			:							
400	END										
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	n. P. Barper										

PROPERTY			HOL	E NOD	D.H.	#.3						
LAT	DIP	•••••	HOL	E STARTE	D							
DEP	AZIMUTH	AZIMUTH			HOLE FINISHED							
ELEV	LOGGED BY		LENGTH SIZE									
-			r									
FOOTAGE	DESCRIPTION	SAMPLE NO.	LENGTH									
	From To											
	110 - 3" - pyrite, qtz. carb. stringer.		·				-					
110-129	Tuff - 2" pyrite & pyrrhotite at 115'	·										
	- Graphite at 119' 6" - Graphite at 129'											
129-137	Tuff - Dark grey, carbonate bands											
137-148	Graphitic Tuff - Dark grey, graphitic 1"											
	pyrite at 148.6	•										
148-155	Tuff - Considerable graphite											
155-160	<u>Tuff</u> - Light grey											
160-165	<u>Tuff</u> - Mottled											
165-173	Tuff - Light grey, carbonate bands.											
173-192	<u>Tuff</u> - Light grey banded											
192-224	Tuff - As above, 12" Core missing at 197'-198' 14" lost core at 199'-200.2' Disseminated pyrite 6" at 203'											
	204 - 205 - 10% pyrite - moderate graphite											
	207 - 209 - 10% pyrite lenses - moderate graphite; banded at 30-40°.											
	210 - 214 - slightly graphitic.											
	222 - 224 - pyrite 5-10%, stringers parall to bedding - moderate graphite											
224-253	Rhyodacite - Light buffish grey - slight											
	foliation is probably tuffaceous. Fairly massive, solid rock.											
	227.5 - trace sphalerite parallel to bedding.											
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ROPERTYWi	sener Lake				HOLE NO. D.D.H. #4 HOLE STARTED Sept. 20/70						
_AT,	00N DIP -45										
DEP0+	-20W AZIMUTH East on picket	AZIMUTH East on picket line				HOLE FINISHED Sept. 22/70					
ELEV	LOGGED BY W.P. Boyko	LOGGED BY W.P. Boyko			LENGTH 314 SIZE AXT						
FOOTAGE	DESCRIPTION	SAMPLE NO.	LENGTH				<u> </u>				
	From To										
0-41	CASING										
41-56.5	Tuff - Medium grey with siliceous, light			•		-					
	colored banding. Generally fractured and altered. Porphyritic bands. Greenish alteration, sericitic and disseminated pyrite.										
56.5-68	Mineralized Zone - some tuffaceous rock.										
	56.5 - 57 - 20% sphalerite - stringers and disseminated.										
	58 - 59.5 - graphite with 20% pyrite, trace chalco										
	59.5 - 67 - sphalerite, along banding and disseminated - 5-10% - also minor pyrite.										
	67 - 68 - several 1"-2" stringers of massive sphalerite - pyrite - pyrrhotite			- Transfer - Transfer							
i N	4519 - 56.5-61 4520 - 61-66 4521 - 66-68			•							
68-256.5	Tuff - Medium grey. Dense and cherty in										
	places. Bedding at 45°. Fairly massive, diffused banding in places.										
	188.5 - 6" graphite-pyrite 190 - 6" graphite-pyrite 193 - 6" graphite-pyrite										
256.5-265	Graphite-Pyrite - Contorted graphite										
	zone with vuggy rounded pyrite and pyrite lenses comprising 20% of rock. Shearing.			· .							

ROPERTY					HOL	E NO	D.D.H	1. #4		
AT	•	DIP			HOL	E STARTE	D		**********	
EP		AZIMUTH	AZIMUTH			HOLE FINISHED				
LEV		LOGGED BY			LEN	LENGTHSIZE				
			· .							
FOOTAGE		DESCRIPTION		SAMPLE NO.	LENGTH					
		From	То							
265-288	Graphitic Tuff	- Graphite about 20%.	I							
	Pyrite lenses.	Last Core at 270-27 287-28	71 88							
288-314	Dacite Tuff -	med. grey, slightly			•					
	graphitic in pl	laces.	•					:	-	
	302 - 303 -	graphite - pyrite Lost core probably rhyodacite flow.					•			
314	END									
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D E	ENORA MINING DIV. GEVEN									
I IM	N 10 1971	Baylo								
7:8:9:1 0	11:12:1.2:2:4:5.									
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