Diamond Drilling

Area of Fredart Lake

Report Nº 13

Work performed by: Roxmark Mines Ltd.

Claim Nº	Hole Nº	Footage	Date	Note
KRL 62930	G-1	607'	Mar/70	(1)
	G-2	569.5'	Apr/70	(1)

Notes:

(1) 422/70

ROXMARK MINES LIMITED

DRILLING HOLE LOG

PROPERTY: Gerry Lake Area — CLAIM NO: K.R.L.62930

HOLE NO: G-1 — DATE STARTED: 26/3/70, FINISHED: 5/4/70

LOCATION: Latitude L. 106 W, Departure 250'N — DEPTH: 607', DIP: 45°, BEARING: S 47 E — LOGGED BY: S.E. Malouf

DIP TEST:

DEPTH	TRUE ANGLE
200	36.5
400	32.0
600	28.5

0.0' - Casing
8.0'

8.0' - Biotite gneiss - poor banding or shear at 45° CN quartz carb. veining 30%.
10.0' - Biotite gneiss - quartz carb. 5% fine.
19.8' - Quartz carb. veining 50% - could be quartz diopside zone - note banding from 40° to 70° CN.
36.0' - Biotite gneiss almost gabbro - brown mica 10% - general banding at 45° CN.
45.0'

45.0' - Shear zone - brown mica 35% - shear at 35° CN pyritized 5% - some scattered sphalerite stringers - 1% - some chalcopyrite suspected, sample from 55.0 - 65.0' for Cu - Zn - Au. This section carries 15% pyrite - high silica - high chlorite - low-med. carb.
80.0'

80.0' - Biotite gneiss, general alteration, lower still chloritized but pseudo sedimentary banding at 60° CN.
95.0' - pyrotized carbonated zone - some pyrrhotite - pyrite 10% - pyrrhotite 5% - some chalcopyrite suspected - sample from 100.0 to 103.5' - Cu - Zn - Au.
116.0' - Biotite gneiss as above low alteration - low sulphide.,
169.8'

169.8' - Shear zone - low-med. intensity at 45° CN - sedimentary iron formation - quartz diopside zone - garnetiferous 5% patchy as from 206.0 to 207.0' - magnetite patchy 10% - sample 200.0 to 202.5' - Cu - Au - section contains 15% pyrite - med. high silica, med. high chlorite - general formation low in sulphide but suggestive - review.
197.5' pyritized zone - pyrite 8% - high silica - low-med. carb. - altered quartz - diopside zone - sample.
204.0' - garnetiferous zone.
208.0' - quartz diopside zone sheared - low shear general dip at 45° CN.
235.0' - pyrite 10% - pyrrhotite 5% - chalcopyrite 1% - some excellent type sulphide sample.
238.0' - quartz diopside shear zone.
265.0' - biotite rich zone - low sulphide, could be dyke altered and sheared at 45° low-med.
295.0' - garnetiferous.
298.0'

298.0' - Mineralized zone pyrite 15% - pyrrhotite 8% - chalcopyrite 1% - sample in 10' lengths.
320.0' - garnetiferous - edge of mineralized zone.
324.5'

324.5' - Greenish zone, almost massive, could be altered dyke.
357.0' - biotite rich contorted zone - altered shaley member - some patchy garnet - low sulphide, good cutting angle at 15° CN.
393.0' - garnet rich zone.
398.0'

.../2

398.0' - Mineralized zone - pyrite 30% - pyrrhotite 20% - magnetite 15% - some scattered chalcopyrite - quartz diopside, iron formation has excellent type - sample from 400 to 430.0' in 10' bands - Cu - Zn - Au - med. high silica diopside effect - note garnet rich zone from 448 to end.
451.0'

451.0' - Shear zone - quartz diopside rock - poor mineralization - shear at 15° CN.
462.0'

462.0' - Dyke gabbro-like massive even textured.
509.5' - mineralized band finely disseminated sulphide sample for Cu - Au - sheared and altered.
512.5' - gabbro as above.
517.0'

517.0' - Amygdaloidal band - dyke-like chilled borders at 30° CN.
518.0'

518.0' - Biotite gneiss altered - could be altered flow or sediment - fairly massive - Note foliation changes dip from 30° to 70° to CN from 530 to 532' and back again.
534.0' - Dyke diabasic texture med. fine grained massive - biotitic alteration along contacts.
538.0' - Biotite gneiss as above - some pseudo amygdule patches and contorted dips - general dips - foliation low intensity at 30° CN.
552.0'

552.0' - Shearing foliation med. intensity at 20° CN - black chlorite or mica 15% - med. silica low-med. carbonate - quartz carb. veinlets 3 to 5% - med. chlorite - some negligible sulphide.
585.0' - med. high chloride - at 20° to CN - med. high patchy silica carbonate - some patchy sulphide average 1% - pyrrhotite and pyrite.
590.0' - Patchy silica carbonate alteration 70% - could be different rock type black chlorite 20% - patchy quartz as large eyes or distorted veinlets - metamorphic rock type see specimen at 603.0'
605.0' - Dyke diorite.
607.0' - Finish.

H7?

FREDART Lake #13

ROXMARK MINES LIMITED

DRILLING HOLE LOG

PROPERTY:	Gerry Lake Area	CLAIM NO:	K.R.L.62930
HOLE NO:	G-2	DATE STARTED:	7/4/70
		FINISHED:	12/4/70
LOCATION:	Latitude L. 110 W	DEPTH: 569.5'	
	Departure 0 + 00	DIP: 45°	LOGGED BY: S.E. Malouf
		BEARING: S 47 E	

S.E. Malouf

DIP TEST:

DEPTH	TRUE ANGLE
200	35.0
400	26.5
560	22.0

0.0' - Casing
32.0'

32.0' - Shear zone - low-med. foliation at 60° CN - garnet mica rich zone carrying 2% chalcopyrite - coarse garnet crystals 1/3" 20% - block mica 40% - med. silica med. chlorite - low grade disseminated ore zone type - mineral best exposed from 48 to 60' - sample - very little pyrite or pyrrhotite - chalcopyrite less than 1% past 60.0.
60.0' - Zone as above but low chalcopyrite - garnets not as large or as concentrated - quartz veins barren from 74.8 to 75.6 and 106.0 to 107.0 in at 10° CN - mica alteration 10% - med. silica med. carbonate.
123.0' - Andesitic facies low garnet greenish high alteration also - med. high silica med. carbonate - low-med. chlorite - no garnets.
128.0' - Green of amphibolite type - could be diopside as with iron formation - foliation at 60° core normal.
131.0' - Garnet rich zone altered as above - low sulphide - foliation at 70° CN - patchy diopside green - abrupt steepening of foliation past.
148.0' - Movement on beds near contact - foliation changes to 50° - then 30° to 20° in 15.0'.
162.0'

162.0' Biotite gneiss still quite altered but different rock type grey green - med. high silica - med. carb.-low - med. green chlorite foliation 30° CN.
177.0'

177.0' Shear zone med. intensity foliation variable 30° to 60° CN - quartz carb. veinlets 15% med.-high chlorite - med. balck mica med. silica some patchy sulphide 1%.
195.0' - Sericite rich shear pale yellow colour - suspect sphalerite - folded in with black chlorite shearing highly foliated - Barvue type at 30° CN.
206.0' - Pyrrhotite 5% some pyrite in high silica chlorite zone.
208.0' - Sheared grey green host.
217.0'

217.0' Shear Barvue type pale yellow shear - sample for zinc some negligible Chalcopyrite - definite tuffaceous type horizon - good marker.
223.5' - narrow biotite gneiss band - foliation at 30° CN.
227.5' - Barvue type shear - probably tuffaceous horizon some pseudo amygdules - or fragments some negligible sulphide - med-high sericite med. carbonate med. silica, low-med. chlorite - medium fine foliation at 30° CN - note white clots as at Copper-Lode - also grey, could be glaucophane.
260.0' - Some scatterd chalcopyrite see specimens at 263 and 266 - 1% chalcopyrite along shearing - sericite rich.
278.0'

422/70 Gerry Lake Area
Roxmark Mines Ltd

278.0' Shear - grey green chloritic type shear - quartz carbonate veinlets 5% - med-high chlorite low-med. silica, med. carbonate, low sericite some black mica 5% - some negligible sulphide - some fine sericitic bonding but rare.
347.0' - Garnet rich zone - patch coarse Xals - some patchy sulphide 5% with chalcopyrite 1%.
349.0' - High sulphide 20% - pyrhotite 8% pyrite 12% - chalcopyrite 2% - could be ore zone along strike.
356.0'- Garnet rich end.
357.0' - Grey green chloritic shear altered as above low sulphide.
378.0' - Granite dyke in at 30° CN fairly fresh - grey med. fine grained.
382.5' - Shear as above.
393.0' - Patchy sulphide mainly pyrrhotite in rock with diopside-like alteration - note garnets around edges.
394.0' - Shear as above.
400.5'

400.5' Diorite or gabbro - medium fine grained even textured massive - note stumpy crystals 1/8".
429.0'

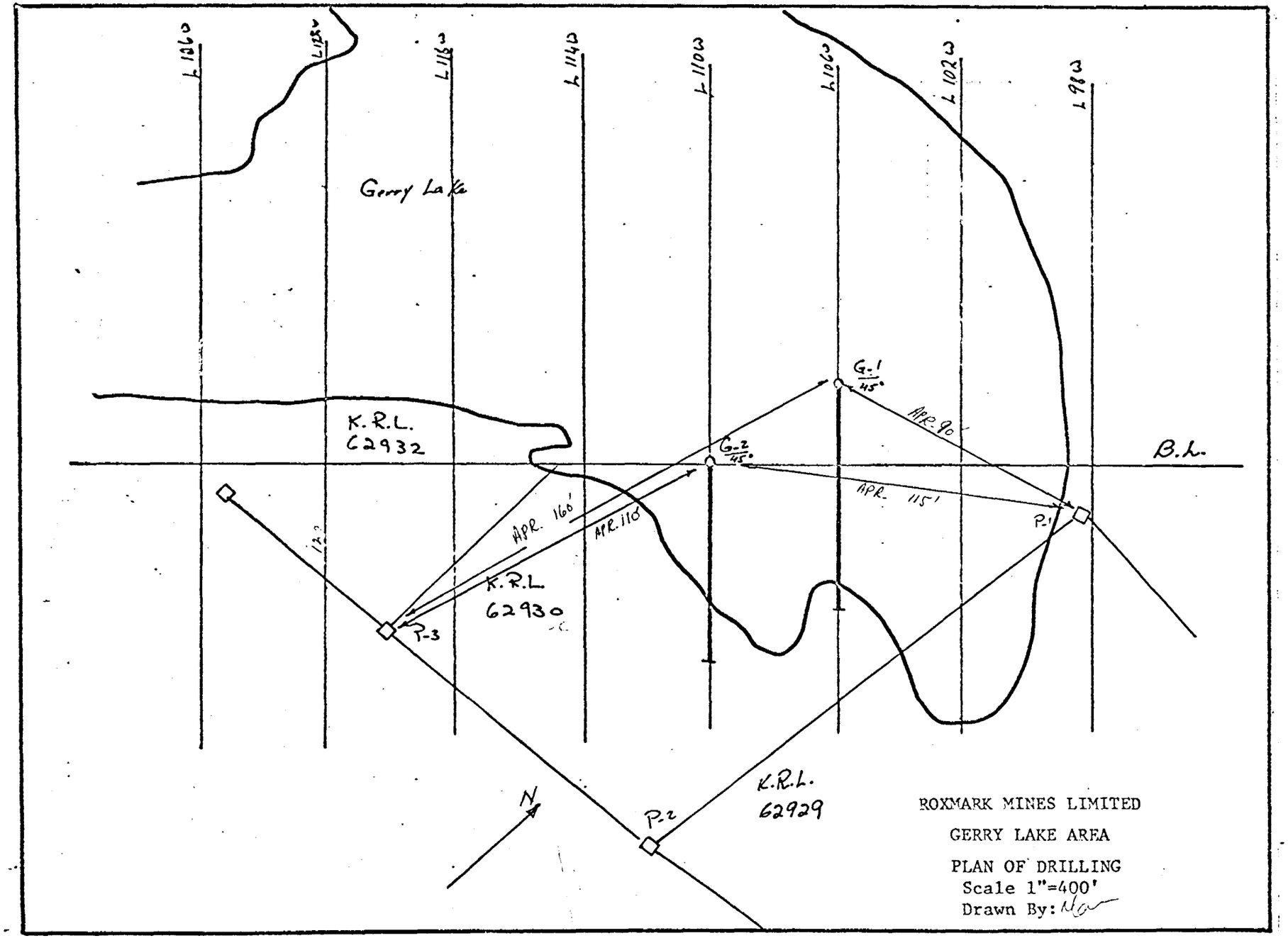
429.0' Shear zone as above - note some diopside type alteration coming in starting at 432.0 - carbonate rich zone - limey horizon.
442.0'

442.0' Iron formation, carbonate rich, magnetite 15% - pyrite 5% pyrrhotite 5% some scattered chalcopyrite.
447.0'

447.0' Shear zone grey green chloritic type - some scattered sericitic alteration shear is low to med. in intensity.
476.0'- Garnet rich zone.
477.0'

477.0' Sheared iron formation and quartz diopside rock - med. shear at 25° CN med-high chlorite med. carbonate med. silica - quartz carbonate veining 10% - pyrite 5% pyrrhotite 5% - some scattered magnetite average 5% in and out - scattered chalcopyrite 1%.
484.0' - Acid dyke or tuffaceous horizon finely bonded sericitic at 30° CN.
487.5' - Altered iron formation as above some dyke suspected.
491.6' - Good mineralization 1% chalcopyrite otherwise as above.
494.5' - Diorite-like dyke.
496.5' - Good ore.
497.5' - Iron formation as above - note narrow diorite dyke.
499.0' - Acid dyke as above - grey fine grained sericite rich.
500.6' - Altered iron formation as above - some coarse garnet alteration - low grade but suggestive - magnetite 5% - total sulphide 8% - some negligible chalcopyrite.
524.0'

524.0' Shear zone grey chlorite rich type patchy silica alteration - out of iron formation but still in shear - low sulphide.
553.0' - Diorite dyke medium fine grained massive.
556.0' - Sheared grey chlorite rich zone as above locally seems to be sheared gabbro.
569.5' - End of hole.


L 1260
L 1223
L 1183
L 1143
L 1103
L 1063
L 1023
L 983
Gerry Lake
K.R.L.
62932
G-1
45°
G-2
45°
B.L.
APR. 90'
APR. 115'
P-1
HPR. 160'
APR. 110'
122'
K.R.L.
62930
P-3
P-2
K.R.L.
62929
N
ROXMARK MINES LIMITED
GERRY LAKE AREA
PLAN OF DRILLING
Scale 1"=400'
Drawn By: