

DIAMOND DRILL LOG

CLIENT: REX SILVER MINES LTD.

PROJECT: Henry Lake Project S-84-3

Area	Henry Lake	Latitude	L. 4+75 N	Bearing	140°	Date Started	March 23, 1984	Hole No.	84-1
Contractor	MIDWEST	Departure	0+60 W	Inclination @ collar	-45°	Date Completed	March 24, 1984	Logged by	T.B. Millinoff
Core Size	BQ	Elevation	400 metres	Inclination @ 85 m,	-42°	Total Length	85.0 metres	Sheet 1 of	8
				Inclination @ _____ m,	_____				

FROM	TO	INTERVAL	GEOLOGICAL DESCRIPTION	% REC.	SAMPLE NO.	FROM	TO	LENGTH	ANALYSES				
									Au ppb	Ag ppb	Cu ppm	Zn ppm	
0.0	2.0	2.0	CASING (through till and organic material)										
2.0	14.92	12.92	Hb-Bt-GARNET GNEISS. Lt-grey to dk-green to black. Finely lam to banded, felsic or qtz rich bands to 5 cm. Garnets to 1 cm. Magnetic lam & blebs of Po. Fol. @ 90° to c.a. Po-Py as fg to mg anhedral blebs, diss or fine lam, from 2%-6% thru this unit. Occ felsic lens (elongated ellipse shapes 2½x1 cm to 4x2 cm) with biotite-rich cores or garnet cores). Jointing is predominantly @ 90° to c.a. with an average of 20 cm spacing. All foliations are 90° to c.a. unless otherwise specified.	90	3501	2.0	3.0	1.0	26	20			
				90	3502	3.0	4.0	1.0	28	20			
				100	3503	4.0	5.0	1.0	4	20			
				100	3504	5.0	6.0	1.0	8	20			
				100	3505	6.0	7.0	1.0	34	30			
				80	3506	7.0	8.0	1.0	8	30			
				100	3507	8.0	9.0	1.0	2	30			
			9.97-10.14 as above; Po-Py bx	100	3508	9.0	10.0	1.0	4	10	54	171	
			9.9-10.15 20% Po-Py as anhedral blebs up to 5 cm, weakly brecciated, weakly to mod magnetic	100	3509	10.0	11.0	1.0	8	180	138	630	
			10.15-11.0 5-10% vfg diss Py-Po	100	3510	11.0	12.0	1.0	4	30			
			11.04-11.12 chloritized shear zone, 10° to c.a., Po-Py blebs on shear planes										
			11.55-12.0 2-5% vfg diss Py-Po, weakly magnetic										
			11.72-11.82 chloritized shear with Py blebs up to 1 cm as frac coating, shear @ 25° to c.a.										
			11.97-11.98 chert band with small anhedral blebs of Py-Po 2-3%, weakly magnetic										
			12.7-12.92 seam of black graphitic Hb-Bt Gneiss @ 10° to c.a.; with 3-5% fg anhedral Po-Py and fg (1mm or less) euhedral crystals Py	100	3511	12.0	13.0	1.0	2	20			





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FROM	TO	INTERVAL	GEOLOGICAL DESCRIPTION	% REC.	SAMPLE NO.	FROM	TO	LENGTH	ANALYSES				
									Au ppb	Ag ppb			
			28.6-28.64 qtz is brecciated with Py-Po frac filling										
			28.76-28.79 " " " "										
			28.81-28.9 " " " "										
			minor potassic alteration										
			28.28-28.30 fracture @ 20° to c.a. coated with fg diss Py 1%	100	3527	28.0	29.0	1.0	2	30			
			Hb-Bt-Garnet Gneiss with approx 5% vfg diss Po-Py, strongly										
			magnetic @ 29.16 29.33 29.39 29.48 29.63 29.86										
			30.11 30.8-31.57 31.92										
			29.39-29.6 with pink feldspar porphyroblasts, vfg matrix Hb-Bt	100	3528	29.0	30.0	1.0	6	30			
			29.6-29.74 with change in fol from 90° to c.a. to 60° to c.a.										
			29.74-30.0 as above, fol @ 90° to c.a. again										
			Qtz seams with potassic alteration at										
			30.45-30.47 30.48-30.61 30.69-30.78										
			Fractures at 30.44-30.51 @ 10° to c.a.	100	3529	30.0	31.0	1.0	10	30			
			30.51-30.78 parallel to c.a.										
			30.0-32.0 silicified	100	3530	31.0	32.0	1.0	12	30			
			30.8-31.57 2% Py-Po vfg diss										
			32.0-32.14 5% fg diss Py and Py lam										
32.14	32.23	0.09	Porphyritic Hb-Bt-Quartzofeldspathic Gneiss										
			pale pink, weakly brecciated with Py frac filling										
32.23	33.29	1.06	Hb-Bt-Garnet GNEISS as previous described										
			32.4-32.45 2 cm qtz band, chearty appearance										
			32.46-32.58 fracture @ 10° to c.a. with chlorite & carb coating										
			32.5-33.0 occ Po-Py stringers parallel to fol, 1 mm, mod mag	100	3531	32.0	33.0	1.0	14	30			

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FROM	TO	INTERVAL	GEOLOGICAL DESCRIPTION	% REC.	SAMPLE NO.	FROM	TO	LENGTH	ANALYSES					
									Au ppb	Ag ppb	Cu ppm	Zn ppm		
			33.0-33.2 two cross-cutting fractures @ 10° and 30° to c.a. both with lt. blue-green deliquescent unidentified mineral (does not react with HCl) coating the fracture planes											
			33.22 2 mm qtz stringer @ 90° to c.a. with potassic alteration on both sides		sludge	32.0	35.0	3.0	672	230				
33.29	34.07	0.78	Porphyritic Hb-Bt-Quartzofeldspathic Gneiss pale pink to pale grey, tr diss Py (vfg)	100	3532	33.0	34.0	1.0	4	60	62	45		
34.07	34.16	0.09	Quartz Band, brecciated, @ 90° to c.a., 3% Py as frac filling											
34.16	35.0	0.84	Hb-Bt GNEISS grey to dk. green to black, vfg with about 5% Po-Py lam parallel to c.a.	100	3533	34.0	35.0	1.0	504	160	62	48		
			34.16-34.51 ~5% Po-Py as above											
			34.51-34.67 ~10% Po-Py											
			34.67-34.68 Massive (100%) Po-Py											
			34.68-35.0 ~10% Po-Py lam and fg diss		sludge	35.0	38.0	3.0	88	170				
35.0	35.27	0.27	QUARTZ cherty appearance @ 90° to c.a., weakly brecciated, 3-5% Py as frac filling		3534	35.0	35.27	0.27	162	70	20	28		
35.27	36.62	1.35	Hb-Bt GNEISS grey to dk. green to black, vfg with cherty qtz lam and bands up to 6 cm wide, minor Po-Py lam @ 90° to c.a. (3%)		3535	35.27	36.0	0.73	22	60	41	53		
			36.0-36.62 1-2% Py-Po lam		3536	36.0	37.0	1.0	16	60	54	46		
36.62	36.74	0.12	Quartz Band, weakly brecciated, minor Po-Py frac fillings		sludge	38.0	41.0	3.0	4060	430				

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FROM	TO	INTERVAL	GEOLOGICAL DESCRIPTION	% REC.	SAMPLE NO.	FROM	TO	LENGTH	ANALYSES				
									Au ppb	Ag ppb	Cu ppm	Zn ppm	
36.74	37.3	0.56	Hb-Bt GNEISS										
			36.74-37.0 incr of felsic lam towards 37.0; approx 5% Po-Py vfg and diss and as thin (1 mm) lam										
			37.0-37.3 up to 20% felsic lam and bands to 1 cm, and vfg diss Py-Po 10%										
37.3	37.38	0.08	Porphyritic Hb-Bt-Quartzofeldspathic Gneiss minor potassic alteration		3537	37.0	38.0	1.0	18	40	30	44	
37.38	37.51	0.13	Hb-Bt-Garnet GNEISS, approx 20% vfg diss Py-Po and lam @ 90° to ca										
37.51	38.31	0.80	Porphyritic Hb-Bt-Quartzofeldspathic Gneiss										
			37.73-38.0 more mafic minerals										
			38.0-38.31 more felsic minerals										
38.31	38.40	0.09	QUARTZ, weakly brecciated, 2% mafic & pyritic frac filling										
38.40	38.84	0.44	Porphyritic Hb-Bt-Quartzofeldspathic Gneiss										
			38.72-38.84 more mafic bands and qtz seams to 1½ cm wide @90°/ca										
38.84	41.0	2.16	Hb-Bt-Quartz GNEISS 30-35% vfg diss Py-Po and seams 1-2 mm thick	100	3538	38.0	39.0	1.0	122 82 *	90 100 *	40	37	
			40.75-40.82 up to 50% cg anhedral blebs Po-Py, strongly magnetic, shear @ 5° to c.a.	100	3539	39.0	40.0	1.0	100 358 *	130 100 *	46	56	
			40.82-41.0 30-35% vfg diss Po-Py and seams 1-2 mm	100	3540	40.0	41.0	1.0	262 981 *	290 100 *	110	260	
41.0	44.0	3.0	Hb-Bt-Chlorite GNEISS 5% fg diss Po-Py to 41.08										
			41.08-42.0 2-3% fg diss Po-Py, 5% Actinolite	100	3541	41.0	42.0	1.0	28	70	27	34	
			42.0-43.0 actinolite, minor 1-3 cm qtz bands, 5% vfg diss Po-Py and occ anhedral blebs (up to 1 cm) Py and Po	100	3542	42.0	43.0	1.0	36	140	66	33	
			43.0-44.0 as above but with slightly more Bt and chlor										
			43.4-43.7 10-12% Py-Po fg lam (1 mm thick)	100	3543	43.0	44.0	1.0	28	100	59	27	
			43.7-44.0 increase in green chlorite (transitional contact to Chlorite-Hb Gneiss)										

\* check samples

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FROM	TO	INTERVAL	GEOLOGICAL DESCRIPTION	% REC.	SAMPLE NO.	FROM	TO	LENGTH	ANALYSES				
									Au ppb	Ag ppb			
44.0	52.0	8.0	CHLORITE-Hb GNEISS										
			44.0-45.0 2% fg diss Po-Py in soft, green chlorite-Hb matrix	100	3544	44.0	45.0	1.0	8	80			
			45.0-45.66 as above, bright green, v.soft, ~30% chlorite										
			45.66-46.9 as above, fracture parallel to c.a. coated with carb	100	3545	45.0	46.0	1.0	12	170			
			46.9-47.0 v.soft, bright green; loss of core due to grinding	90	3546	46.0	47.0	1.0	2	130			
			47.0-48.0 as above, up to 60% chlorite, loss of core due to grinding; 3% vfg diss Py	80	3547	47.0	48.0	1.0	<2	40			
			48.0-49.0 60% chlorite, 3% vfg diss Py	95	3548	48.0	49.0	1.0	2	90			
			49.0-50.0 slightly more competent, 5% carb	100	3549	49.0	50.0	1.0	4	90			
			50.0-51.0 slightly more competent, 5% carb, 2% vfg diss Py	100	3550	50.0	51.0	1.0	4	90			
			51.0-52.0 fracture @ 5° to c.a. (51.46-51.67) coated with carb and Po-Py blebs; loss of core due to grinding	95	3551	51.0	52.0	1.0	24	280			
52.0	54.63	2.63	CHLORITE-Hb-ACTINOLITE GNEISS; 40% chlorite, bright green, very soft, with carb seams @ 90° to c.a. (20%); 5-8% vfg diss Py-Po; mod to strongly magnetic	100	3552	52.0	53.0	1.0	8	110			
			54.0-54.63 minor tremolite	100	3553	53.0	54.0	1.0	18	430			
54.63	85.0	30.37	BIOTITE-QUARTZ-FELDSPAR GNEISS pale grey and black with minor chlorite seams and ptymatic folding of chlorite seams	100	3554	54.0	55.0	1.0	8	220			
			55.3-58.0 m.g. pale grey and black (biotite), approx 10-30% biotite in this unit; 5% carb as seams to 2 cm @ 90° to c.a. (protolith = greywacke?)	100	3555	55.0	56.0	1.0	8	100			
				100	3556	56.0	57.0	1.0	8	70			
			58.0-60.0 occ 7 mm qtz seams perpend to c.a.	100	3557	57.0	58.0	1.0	12	80			
				100	3558	58.0	59.0	1.0	8	40			
				100	3559	59.0	60.0	1.0	4	80			
			60.0-61.0 fol perpend to c.a.	100	3560	60.0	61.0	1.0	10	70			
			61.0-65.0 occ 1 mm Py+Po seams perpend to c.a. and along fractures, and Po+Py as fg-mg (up to 4 mm) anhedral blebs diss throughout (3-4%)	100	3561	61.0	62.0	1.0	8	90			
				100	3562	62.0	63.0	1.0	12	60			

