

Property	SNIP	District Liard, M.D.	Hole No. S-36	Page 1 of 6
Commenced	July 13, 1987	Location	Tests at 200.0 m	Horiz. Comp. 134.8 m
Completed	July 15, 1987	Core size BQ	Corr. dip -52°	Vert. Comp. 152.4 m
Coordinates	11,313.46 N	8,586.72 E	True Brq. 030	Logged by R.J.S.
Objective			% Recov. 94.4	Date July 22-23, 1987
			Elevation 621.25 m	

Metres From	To	Description	FROM	TO	Length	Au ppb	Ag ppm	Cu ppm	Au g/t
0.0	11.1	Overburden - none recovered							
11.1	27.2	Feldspathic Wacke	11.20	13.50	2.30	580.	2.1	366.	
		- fine to medium grained	13.50	15.00	1.50	260.	1.0	123.	
		- dark brown grey, hard, 3-4% disseminated and fracture controlled pyrite	15.00	18.00	3.00	436.	0.0	141.	
		- patchy alteration characterized by weak biotization around fractures, minor calcitic veining, traces arnite	18.00	21.00	3.00	432.	0.0	170.	
		- bedding 50° @ 19.3m, 20° @ 23.8m	21.00	24.10	3.10	260.	0.8	149.	
		13.3 to 13.4 - Massive pyrite, 20% quartz, both ends ground	24.10	27.10	3.00	192.	1.3	117.	
		24.6 to 25.3 - Fractured, moderately sheared, weakly biotized							
		- Pyritic stringers - 8% pyrite							
		- Soft							
		25.3 to 27.2 - Hard, siliceous feldspathic wacke							
		- Silty, locally crackle fractured							
27.2	33.6	Feldspathic Wacke	27.10	30.10	3.00	96.	0.0	146.	
		- coarse grained	30.10	33.20	3.10	198.	1.1	169.	
		- medium to dark brown grey, hard, cut by numerous meshwork fractures, patchy biotite and fractures filled with pyrite, veining and fracturing commonly @ 30°, 6% pyrite in fractures							
		31.1 to 31.8 - Cracked and weakly bleached, dense, hard, light to medium grey, 8% pyrite in veins and disseminations							
		32.9 to 33.6 - Light grey, very hard, fractured and pyritic zone							
		- 7% pyrite, may originally have been a pebble conglomerate							
33.6	42.5	Feldspathic Wacke	33.20	36.00	2.80	232.	1.4	217.	
		- medium grained	36.00	39.00	3.00	198.	0.0	79.	
		- dark brown grey, weakly foliated @ 50°, 4% pyrite - disseminated and fracture controlled	39.00	42.00	3.00	146.	0.0	112.	
		- moderately hard							
		33.6 to 36.0 - Fractured and biotized, local patches of pebble-sized angular fragments in altered medium grained matrix							
		- Core in this section is very broken, 4% fracture controlled pyrite							

Footage		Description	FROM	TO	Length	Au ppb	Ag ppm	Cu ppm	Au g/t
From	To								
42.5	46.7	Fragmental Bed - subangular pebbles of feldspathic wacke in medium grained feldspathic wacke matrix - light grey, very hard, matrix supported, 4% fracture controlled pyrite	42.00	45.00	3.00	132.	0.5	42.	
46.7	61.3	Feldspathic Wacke - coarse grained feldspathic wacke with numerous silty beds - medium to dark grey, moderately hard, cut by minor quartz-calcite veins @ 65 ⁰ - minor fracturing with associated bleaching or biotization and pyritic veinlets throughout section, usually @ 40 ⁰	45.00	48.10	3.10	166.	0.0	131.	
			48.10	51.10	3.00	318.	0.6	153.	
			51.10	54.10	3.00	138.	0.0	277.	
			54.10	57.10	3.00	180.	0.5	190.	
			57.10	60.20	3.10	1490.	1.1	234.	
		57.7 to 58.2 - Fractured, biotized, pyritic, cut core @ 30 ⁰ - 8% pyrite in blebs and calcitic veins locally broken and oxidized	60.20	63.40	3.20	284.	0.0	107.	
61.3	69.8	Feldspathic Wacke - medium grained - dark to medium grey, hard, contains grit @ 65.3 - 66.0, 68.0 - 69.3 - 2% disseminated pyrite, bedding @ 25 ⁰	63.40	66.50	3.10	166.	0.0	87.	
			66.50	69.60	3.10	98.	0.0	85.	

Footage		Description	FROM	TO	Length	Au ppb	Ag ppm	Cu ppm	Au g/t
From	To								
69.8	111.3	Feldspathic Wacke	69.60	72.70	3.10	40.	0.0	79.	
		- coarse grained feldspathic wacke with granule and pebble conglomerate beds	72.70	76.10	3.40	66.	0.6	150.	
		- dark to medium grey, massive, 2% disseminated pyrite	76.10	79.10	3.00	162.	0.0	88.	
	73.1 to 74.1	- Grit bed	79.10	82.10	3.00	92.	0.0	87.	
	74.8 to 75.0	- Quartz vein	82.10	85.10	3.00	120.	0.0	114.	
		- Mottled, grey, 3% pyrite, trace galena and sphalerite	85.10	88.10	3.00	260.	0.0	126.	
		- Uphole contact @ 60°	88.10	91.40	3.30	84.	0.0	92.	
	76.2 to 79.3	- Pebble conglomerate	91.40	94.70	3.30	40.	0.0	60.	
		- Matrix supported, light grey siliceous siltstone pebbles and grey fine grained feldspathic wacke pebbles in a medium grey biotitic matrix	94.70	97.80	3.10	118.	0.6	197.	
		- 3% pyrite as clots and patchy clusters, foliation parallel to bedding @ 65°, subangular clasts 2.0mm - 1.0cm	97.80	100.80	3.00	20.	0.4	117.	
		- 3% pyrite as clots and patchy clusters, foliation parallel to bedding @ 65°, subangular clasts 2.0mm - 1.0cm	100.80	103.80	3.00	312.	3.4	185.	
	88.4 to 91.1	- Pebble conglomerate	103.80	106.80	3.00	60.	1.9	217.	
		- Matrix supported, light grey pebbles in medium grey colored matrix, subangular to subrounded clasts	106.80	109.90	3.10	192.	1.1	170.	
		- Moderately hard, lower 60cm is limonitic, very broken and has 4-5% disseminated pyrite in matrix							
	91.1 to 92.7	- Mixed coarse grained and granular feldspathic wacke							
		- Medium grey, white to medium grey hard clasts in darker grey matrix, oxidized fractures and locally broken							
		- 3% pyrite							
	94.8 to 97.3	- Weakly altered, slightly pyritic zone							
		- 5% disseminated and fine fracture controlled pyrite, minor biotitic patches and veining							
111.3	121.1	Feldspathic Wacke	109.90	113.40	3.50	92.	1.5	279.	
		- medium grained	113.40	116.40	3.00	506.	2.5	411.	
		- dark grey brown, minor calcitic gash veins, 2% disseminated pyrite	116.40	119.40	3.00	160.	1.3	365.	
	116.2 to 116.3	- Biotitized pyritic patch - 10% fracture controlled pyrite	119.40	122.40	3.00	60.	0.7	201.	
	117.0	- 2.0cm quartz vein, cut core @ 20°							
	117.2 to 117.3	- 8% pyrite in small fractures with calcite veinlets and weak biotization							

Footage		Description	FROM	TO	Length	Au ppb	Ag ppm	Cu ppm	Au g/t
From	To								
121.1	130.1	Feldspathic Wacke	122.40	125.40	3.00	224.	0.9	224.	
		- granular feldspathic wacke to pebble conglomerate	125.40	128.40	3.00	0.	0.4	87.	
		- medium grey, matrix supported, subangular clasts of lighter grey siliceous siltstone	128.40	131.40	3.00	302.	1.0	152.	
		- 2-3% disseminated pyrite, locally oxidized and broken							
	124.3 to 125.0	- Limonitic, oxidized and broken zone							
		- Oxidation mainly along fractures							
130.1	145.5	Feldspathic Wacke	131.40	134.40	3.00	240.	0.7	287.	
		- coarse grained	134.40	137.40	3.00	118.	0.8	284.	
		- medium to dark grey, minor 0.5cm quartz veins @ 70 ⁰ , 2% pyrite and fracture controlled pyrite, occasional quartz-annite vein	137.40	140.40	3.00	100.	0.4	139.	
		- includes some light grey siliceous siltstone beds that are crackled and microveined	140.40	143.60	3.20	156.	0.7	100.	
		- lower portion of interval is very broken with numerous limonitic fractures	143.60	145.70	2.10	102.	0.0	88.	
	139.2 to 139.7	- Siliceous siltstone							
		- Light grey, crackled, weakly biotized along fractures and pyrite veined							
		- 7% pyrite, occasional annite vein							
	140.0 to 140.5	- Same as above							
	141.1 to 141.4	- Same as above							
	141.4 to 145.5	- Fractured limonitic zone							
		- Extensively crackled, siliceous, coarse grained feldspathic wacke, cut by thin pyrite veinlets which are oxidized to limonite							
		- Interval very broken along these fractures which cut core @ 30-45 ⁰							

Footage		Description	FROM	TO	Length	Au ppb	Ag ppm	Cu ppm	Au g/t
From	To								
145.5	167.6	Feldspathic Wacke	145.70	148.70	3.00	100.	0.0	213.	
		- medium grained	148.70	151.80	3.10	96.	0.0	266.	
		- short intervals of coarse grained feldspathic wacke and few beds of siliceous siltstone	151.80	154.80	3.00	84.	0.0	102.	
		- massive to locally moderately foliated, extensively microfractured, weak to moderate quartz-calcite gash veins @ 60°	154.80	158.00	3.20	130.	0.4	164.	
		- medium to dark grey, hard	158.00	161.00	3.00	36.	0.0	109.	
		- 3-4% pyrite, mainly in veinlets or in patchy disseminated zones	161.00	164.00	3.00	0.	0.0	65.	
		- occasional annite bearing vein associated with weakly bleached zones	164.00	167.40	3.40	74.	0.0	120.	
155.4	157.3	- Coarse grained feldspathic wacke							
		- Pyritic - 8% disseminated and veinlets							
		- Medium grey, moderately altered - bleached							
158.9	160.0	- Moderately bleached, siliceous feldspathic wacke							
		- 5% pyrite, cut by minor narrow ankerite veinlets							
		- Several 0.5cm pyrite-calcite veins @ 35°							
162.0	162.1	- Quartz veined, silicified interval @ 45°							
		- Quartz, chalcopyrite (0.5%), minor annite, trace sphalerite, 3% pyrite							
167.4	167.6	- Quartz vein							
		- Grey sheared silicified feldspathic wacke adjacent to 5.0cm quartz vein, 3% pyrite							
167.6	170.4	Feldspathic Wacke	167.40	168.90	1.50	52.	0.0	45.	
		- fine grained	168.90	170.40	1.50	508.	1.0	111.	
		- soft, dark brown, biotitic, foliated to locally sheared							
		- 1% pyrite							
169.5	169.9	- Sheared biotitic wacke, contains numerous small quartz and calcite veinlets, 5% pyrite							
		- Foliation @ 75°							

Footage		Description	FROM	TO	Length	Au ppb	Ag ppm	Cu ppm	Au g/t
From	To								
170.4	189.5	Feldspathic Wacke	170.40	173.40	3.00	412.	0.6	142.	
		- coarse grained feldspathic wacke to angular pebble conglomerate	173.40	175.40	2.00	286.	0.4	149.	
		- medium grey, hard, extensively cracked and microveined	175.40	176.90	1.50	112.	0.4	162.	
		- 3-5% fracture controlled pyrite, weak patchy shearing and weak alteration locally	176.90	179.20	2.30	102.	0.5	174.	
		- pebbles 4-8 mm, usually are silicified siltstone, minor pyrite, fine grained feldspathic wacke fragments	179.20	181.60	2.40	64.	1.5	191.	
	175.4 to 176.9	- Moderately sheared and cut by pyrite-calcite stringers, minor annite, weak biotization	181.60	183.20	1.60	126.	1.3	167.	
		- Upper shears and veining @ 15°, lower 20cm @ 60° and contains minor sphalerite parallel to foliation	183.20	184.90	1.70	254.	1.1	73.	
			184.90	186.40	1.50	200.	0.9	194.	
	179.1 to 186.8	- Numerous scattered weak to moderately sheared sections, crackled, moderately biotized with pyritic patches and stringers	186.40	188.10	1.70	142.	0.7	126.	
		- Locally broken and blocky, fracturing @ 30-0°, minor limonitic fractures, 5% fracture controlled pyrite	188.10	189.50	1.40	236.	1.4	254.	
189.5	203.8	Feldspathic Wacke	189.50	191.00	1.50	688.	3.4	434.	
		- medium grained feldspathic wacke	191.00	192.50	1.50	402.	2.0	386.	
		- dark red brown to grey, hard, 4% fracture controlled pyrite	192.50	194.00	1.50	424.	1.8	367.	
		- patchy weak biotization, minor quartz-calcite veins and tension gashes, local patches of annite	194.00	196.10	2.10	792.	2.1	405.	
		- most of interval shows some degree of alteration deformation and biotization	196.10	197.60	1.50	252.	0.6	341.	
			197.60	199.10	1.50	280.	0.8	468.	
			199.10	200.80	1.70	176.	0.0	308.	
			200.80	202.30	1.50	1538.	2.0	273.	
			202.30	203.80	1.50	200.	0.6	375.	
203.8		END OF HOLE							