

LS-07-16

Grid_E:		Collar Survey:		Drill Company:	Springdale Forest	Length:	191	Depth	Azi_TN	Azi_Grid	Dip	Test Type
Grid_N:		Downhole Method:		Drill Start:	8/1/2002	Casing:		50	154.4		-60.4	FlexIT
Nad27_E:	524557.449	Dip:	-60	Drill Finish:	8/1/2002	Boxes:	46	100	155.1		-60.7	FlexIT
Nad27_N:	5406605.237	Azi_Grid:		Logged By:	J. Reeves	Core Size:	NQ	152	155.6		-60.6	FlexIT
Elevation:	229.669	Azi_TN:	150	Log Start:		Core Location:	"Buchans, NL"	191	155.7		-60.4	FlexIT
Property	Little Sandy	Objective:		Log Finish:								
Licence												
NTS:												
						Comments:						

LS-07-16

Lithology**From To Length****Mineralogy**

0	1	1	OB		Colour:		Pyrite:	TR DISS
					Texture:		Sphalerite:	
Description:				Clasts/Cryst:	Alteration:		Galena:	
Glacial till							Chalco:	
						<u>From</u> <u>To</u> <u>Width</u> <u>Samp</u> <u>Zn%</u> <u>Cu%</u> <u>Pb%</u> <u>Ag g/t</u> <u>Au g/t</u>		
1	5.87	4.87	FFG	REG	Colour: G_G		Pyrite:	
				S	Texture:		Sphalerite:	
Description:				Clasts/Cryst:	Alteration:		Galena:	
"Felsic fragmental, grey green, with clasts up to 6 cm diameter. Fractures at 45 and 60 degrees to ca. Core is blocky. Trace of pyrite in blebs (<2mm) and disseminate."				felsic			Chalco:	
						<u>From</u> <u>To</u> <u>Width</u> <u>Samp</u> <u>Zn%</u> <u>Cu%</u> <u>Pb%</u> <u>Ag g/t</u> <u>Au g/t</u>		
5.87	10.9	5.03	MBST	REG	Colour: DGRN		Pyrite:	TR DISS

LS-07-16

Lithology**From To Length****Mineralogy**

B

Description:

"Basalt, dark green with occasional reworked fragment. Carbonate filling fractures. Disseminated pyrite (<1%) in blebs <2mm diameter. Core is broken. Fractures at 45 and 60 degrees to ca. Trace of amethyst."

Clasts/Cryst:**Texture:****Alteration:**

Chl

Sphalerite:

Galena:

Chalco:

From To Width Samp Zn% Cu% Pb% Ag q/t Au q/t

10.9 23.69 12.79 FFG

REG

Colour: G_G

Pyrite: <1% DISS

B

Description:

Felsic fragmental with fragments <6cm diameter. Core is blocky with fractures at 50 degrees to ca. Disseminated pyrite and also in occasional blebs up to 2 cm. Carbonate material along fracture surfaces. Strong chlorite alteration from 23.36 to 23.69. Lost core from 15.50 to 17.00m.

Clasts/Cryst:

felsic

Texture:**Alteration:**

Chl

Sphalerite:

Galena:

Chalco:

From To Width Samp Zn% Cu% Pb% Ag q/t Au q/t

23.69 32.69 9 IBX

REG

Colour: G_G

Pyrite: <1% PATCH

G

90

Description:

Rhyolite breccia - grey green with angular fragments of pale pink rhyolite and occasional red jasper. Fragments are commonly 2-3 cm diameter and rarely up to 12 cm. Core is blocky. Trace of pyrite in blebs and rarely up to 1% locally over 3-4 cm. Strong chlorite alteration from 31.37 to 31.80m with <1% pyrite.

Clasts/Cryst:

rhyolite

Texture:**Alteration:**

Chl

Sphalerite:

Galena:

Chalco:

From To Width Samp Zn% Cu% Pb% Ag q/t Au q/t

32.69 98.38 65.69 FFG

REG

Colour: G_G

Pyrite: <1% DISS

Lithology**From To Length**

G

Description:

"Felsic fragmental - grey green, with rare pale pink rhyolite fragments. Upper contact is gradational. Fractures at 60 degrees to ca. Trace of pyrite in blebs (rarely up to 3 cm) and also disseminated. Core is blocky. Fault at 47.27 to 47.74 m with gouge. Pyrite content in rock increases slightly below fault. Strongly chloritic from 47.86 to 56.30 with 1% pyrite. Siliceous alteration from 56.30 to 59.00 with pink quartz. Quartz vein (pink) from 57.65 to 58.57m."

Clasts/Cryst:

felsic

Texture:**Alteration:**

Chl

Sphalerite:**Galena:****Chalco:****Minor Lithology**

66.6 98.38 31.78 FFG

Upp Ctc:

REG

S

60

<u>From</u>	<u>To</u>	<u>Width</u>	<u>Samp</u>	<u>Zn%</u>	<u>Cu%</u>	<u>Pb%</u>	<u>Ag g/t</u>	<u>Au g/t</u>
47.86	48.86	1	43337	0.01	0	0	0.34	0.01
48.86	49.86	1	43338	0.01	0	0	0.34	0.01
49.86	50.86	1	43339	0.01	0	0	0.34	0.01
50.86	51.86	1	43341	0.02	0	0.01	0.34	0.01
51.86	53	1.14	43342	0	0	0	0.34	0.01
53	54	1	43343	0.01	0	0	0.34	0.01
54	55	1	43344	0.01	0	0	0.34	0.01
55	55.64	0.64	43345	0.01	0	0	0.34	0.01
55.64	56.3	0.66	43346	0	0	0.01	0.34	0.01
56.3	57.3	1	43347	0	0	0	0.34	0.01

Description:

Felsic fragmental - grey green with occasional small fragment (<2mm). Siliceous alteration with thin pink quartz veining containing carbonate and <1% pyrite. Fractures at 60 degrees to ca and rarely at 30 degrees to ca. White quartz veins at 83.97 (9 cm) at 80 degrees to ca and at 86.41 (10cm) at 60 degrees to ca.

Clasts/Cryst

felsic

Colour: G_G**Foliation:****Texture:****Alteration:** SIL

Pyrite: <1% PATCH

Sphalerite:

98.38 131.33 32.95 IBX

REG

B

Colour: G_G**Texture:****Alteration:**

SIL

Chl

Pyrite:

<1% DISS

DISS

Sphalerite:**Galena:****Chalco:**

TR

Description:

Rhyolite breccia - grey green with pale pink rhyolite clasts and occasional felsic clast. Siliceous and chloritic alteration. Trace of pyrite. Fractures at 40 degrees to ca. Fault at 115.39 (21 cm) gouge. Core is blocky. Quartz /carbonate veining from 122.17 to 122.79 with <1% pyrite and <1% chalcopryrite with locally 2-3% over 3 cm. Traces of chalcopryrite at 131.14m.

Clasts/Cryst:

rhyolite

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Lithology**From To Length****Mineralogy**

<u>From</u>	<u>To</u>	<u>Width</u>	<u>Samp</u>	<u>Zn%</u>	<u>Cu%</u>	<u>Pb%</u>	<u>Ag g/t</u>	<u>Au g/t</u>
121.17	122.17	1	43348	0.01	0.02	0	0.34	0.01
122.17	122.79	0.62	43349	0.01	0.94	0	0.34	0.01
122.79	123.79	1	43351	0	0	0	0.34	0.01

131.3 185.55 54.25 MANDREG
S

45

Colour: DGRN

Pyrite: <1% DISS

Texture:

Sphalerite:

Alteration:

Chl

Galena:

Chalco: TR MIN_V

Description:

"Andesite - dark green with disseminated pyrite (<1%). Quartz carbonate veining <1cm wide. Fractures at 70 degrees to ca. Trace of chalcopryrite at 132.27m. Quartz/carbonate veining from 140.20 to 149.00 with pyrite and chalcopryrite (up to 2-3% over 20 cm), 154.73 to 159.16 with up to 1-3% cpy over 3cm, 168.35 to 174.84 with up to 25% cpy over 20cm at 173.26m and 179.81 to 182.02 with up to 10% cpy over 2cm. At 186.26m, pyrite a d up to 6% cpy over 3 cm."

Clasts/Cryst:

<u>From</u>	<u>To</u>	<u>Width</u>	<u>Samp</u>	<u>Zn%</u>	<u>Cu%</u>	<u>Pb%</u>	<u>Ag g/t</u>	<u>Au g/t</u>
131.33	131.83	0.5	43352	0.01	0.02	0	0.34	0.01
131.83	132.33	0.5	43353	0.01	0.03	0	0.34	0.01
132.33	132.94	0.61	43354	0.01	0.04	0	0.34	0.01
139.7	140.2	0.5	43355	0.01	0.02	0	0.34	0.01
140.2	140.76	0.56	43356	0.01	1.06	0.01	0.34	0.01
140.76	141.26	0.5	43357	0.01	0.04	0	0.34	0.01
143.73	144.13	0.4	43358	0.01	0.03	0	0.34	0.01
144.13	144.7	0.57	43359	0.01	0.5	0	0.34	0.01
144.7	145.2	0.5	43361	0.02	0.05	0	0.34	0.01
145.2	145.91	0.71	43362	0.01	0.02	0	0.34	0.01
145.91	146.41	0.5	43363	0.01	0.03	0	0.34	0.01
146.41	146.91	0.5	43364	0.02	0.11	0	0.34	0.01
146.91	147.41	0.5	43365	0.01	0.01	0	0.34	0.01
147.41	148.23	0.82	43366	0.01	0.01	0	0.34	0.01
148.23	148.73	0.5	43367	0.01	0.08	0	1.03	0.01
148.73	149.24	0.51	43368	0.01	0.32	0	0.34	0.01
149.24	149.74	0.5	43369	0.01	0.01	0	0.34	0.01
158	158.49	0.49	43371	0.01	0.01	0	0.34	0.01

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Lithology

From To Length

Mineralogy

158.49	159.16	0.67	43372	0.01	1.56	0.01	0.68	0.01
159.16	160	0.84	43373	0.01	0.01	0	0.34	0.01
160	160.5	0.5	43374	0.01	0.02	0	0.34	0.01
160.5	161	0.5	43375	0.01	0.01	0	0.34	0.01
167.85	168.35	0.5	43376	0.02	0.05	0	0.34	0.01
168.35	169.05	0.7	43377	0.04	1.67	0.01	1.71	0.01
169.05	169.55	0.5	43378	0.02	0.04	0	0.34	0.01
169.55	170	0.45	43379	0.02	0.11	0	0.34	0.01
170	170.43	0.43	43381	0.03	0.07	0	0.68	0.01
170.43	170.93	0.5	43382	0.03	0.07	0	0.68	0.01
170.93	171.43	0.5	43383	0.03	0.81	0.01	1.71	0.01
171.43	171.93	0.5	43384	0.02	0.06	0	0.34	0.01
171.93	172.77	0.84	43385	0.01	0.23	0	0.34	0.01
172.77	173.48	0.71	43386	0.02	3.9	0.01	1.71	0.01
173.48	174.2	0.72	43387	0.01	0.02	0	0.34	0.01
174.2	174.91	0.71	43388	0.02	0.15	0	0.34	0.01
174.91	175.41	0.5	43389	0.01	0	0	0.34	0.01
179.81	180.34	0.53	43391	0.01	0.09	0	0.34	0.01
180.34	181.07	0.73	43392	0.01	0.67	0	0.68	0.01
181.07	181.58	0.51	43393	0.02	0.01	0	0.34	0.01
181.58	182	0.42	43394	0.02	0.29	0	0.34	0.01

185.26	191	5.74	FBX	REG		Colour:	DGRN	Pyrite:	TR DISS	DISS
				S	45	Texture:		Sphalerite:		
Description:						Alteration:	Chl	Galena:		
Felsic fragmental with angular fragments <2cm diameter. Disseminated pyrite with trace of chalcopyrite at 189.01m.								Chalco:	TR DISS	
Clasts/Cryst:										
felsic										

From	To	Width	Samp	Zn%	Cu%	Pb%	Ag g/t	Au g/t
185.55	186.05	0.5	43395	0.02	0.01	0	0.34	0.01
186.05	186.55	0.5	43396	0.02	0.38	0.01	1.03	0.01
186.55	187.05	0.5	43397	0.01	0.01	0	0.68	0.01

EOH: 191