

H-07-3349



Grid_E: 6350
Grid_N: 3450
Nad27_E: 508532
Nad27_N: 5387310
Elevation:

Collar Survey:
Downhole Method:
Dip: -50
Azi_Grid:
Azi_TN: 320

Drill Company: Springdale Forest
Drill Start: 04/11/2002
Drill Finish: 13/11/2002
Logged By: J.Reeves
Log Start: 05/11/2002
Log Finish: 13/11/2002

Length: 500
Casing: 38.5
Boxes: 115
Core Size: NQ
Core Location: Buchans

Depth	Azi_TN	Azi_Grid	Dip	Test Type
51		199.5	-88.7	
102		199.3	-88.5	
150		205.8	-88.8	
201		222.1	-88.5	
249		214.7	-88.3	
300		234.6	-88.3	
351		248.7	-88.5	
402		237.6	-88.3	
450		240.1	-87.9	
500		250.3	-88.2	

Property Buchans

Licence
NTS:

Objective: Exploration Infilling

Comments:

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Lithology

From To Length

Mineralogy

0 38.48 38.48 OB

Colour:

Pyrite:

Texture:

Sphalerite:

Alteration:

Galena:

Chalco:

Description:

Overburden - Glacial till with with boulders up to 2 - 3 m diameter and numerous smaller diameter boulders. Vert difficult to set casing due to bit wear and caving.

Clasts/Cryst:

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

38.48 45.42 6.94 FCGL

REG

Colour: PNK

DGRN

Pyrite:

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

B

Description:

Intermediate conglomerate - Pink to dark green rhyolite conglomerate with minor felsic fragments. Fragments commonly <3-4 cm and rarely up to 10 cm diameter. Core is badly broken (faulted) with hematite, calcite and minor epidote. Qtz fragments <1 cm dia.

Clasts/Cryst:**Texture:** BB

Sphalerite:

Alteration:

Galena:

Chalco:

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

45.42 74.77 29.35 MBST

TEC

Colour: DKG

Pyrite:

B

Texture: APHA

Sphalerite:

Description:

Intermediate volcanic - Dark grey with black fine grained phenocrysts and amygdules of calcite. Calcite also filling fractures along with minor epidote. Core is badly broken (faulted) with hematite staining to 47m. Upper contact is faulted. Fractures commonly at 70 deg to ca. Fault at 51.87 - 52.98 m with broken rock < gouge and calcite.

Clasts/Cryst:**Alteration:**

Galena:

Chalco:

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

74.77 95.3 20.53 FRY

REG

Colour: PNK

G_G

Pyrite:

S

20

Texture: Apha

Sphalerite:

Description:

Rhyolite Flow - Pink to light green, fine grained. Weakly siliceous. Upper contact at 20 deg to ca. Core is badly broken (faulted) from 77.60 - 79.10 and 84.75 - 89.00 m. Rx is rehealed from 84.75 - 87.30 m.

Clasts/Cryst:

Rhyolite

Alteration:

Galena:

Chalco:

Minor Lithology

Upp Ctc:

79.1 84.75 5.65 FCGL

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

TEC

B

Description:**Clasts/Cryst**

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

Rhyolite Conglomerate - Pink to maroon rhyolite and red jasper fragments in a grey green matrix. Fragments are primarily rhyolite and jasper up to 10 cm dia and angular. Rx is broken. Smaller (<1 cm) qtz and lithic fragments also present.

Rhyolite

Colour: PNK PRPL**Foliation:****Texture:** BB

Pyrite:

Alteration:

SIL

Sphalerite:

95.3 103.28 7.98 FCGLREG
S

20

Colour: G_G

GRN

Pyrite:

Texture:

Sphalerite:

Alteration: PChl
SIL

Galena:

Chalco:

Description:

Rhyolite Conglomerate - grey green - dark green matrix with rhyolite fragments grading to maroon. Over printed with white carbonate <2mm dia. Weakly siliceous but more siliceous in the maroon intervals. Slightly chloritic. Upper contact at 20 deg to ca.

Clasts/Cryst:

Rhyolite

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

103.28 124.29 21.01 FCGLTEC
S

80

Colour: GREY

PNK

Pyrite:

Texture:

Sphalerite:

Alteration: W

SIL

Galena:

Chalco:

Description:

Poly lithic Conglomerate - Brown grey with 1-5 cm dia fragments of rhyolite, basalt and tuff. Upper contact is broken but at 80 deg to ca. Fractures commonly at 80 deg to ca. Hematite stain within 30 cm of upper contact. Clast sizes increase with depth.

Clasts/Cryst:

Minor Lithology

Upp Ctc:

108.43 114.2 5.77 FCGL

REG
G

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

107.63 108.43 0.8 58889 0.02 0 0.01 1.08

108.43 108.93 0.5 58891 0.02 0 0.01 0.34

108.93 109.43 0.5 58892 0.02 0 0.01 0.34

109.43 109.93 0.5 58893 0.01 0 0.01 1.71

Description:

Lithic Conglomerate - Grey with 1-2

Clasts/Cryst

Tuffaceous

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Lithology**From To Length**

cm diam fragments of primarily
tuffaceous material with occasional
rhyolite fragments. Upper contact is
gradational. Trace of disseminated
pyrite.

Colour: GREY**Foliation:****Texture:****Alteration:**

Pyrite:

TR DISS

Sphalerite:

Mineralogy

109.93	110.43	0.5	58894	0.01	0	0.01	1.08
110.43	110.93	0.5	58895	0.01	0.01	0.02	1.37
110.93	111.43	0.5	58896	0.02	0	0.01	1.37
111.43	111.93	0.5	58897	0.01	0	0	1.37
111.93	112.43	0.5	58898	0.02	0	0.01	1.08
112.43	112.93	0.5	58899	0.01	0	0	1.37
112.93	113.43	0.5	58901	0.01	0	0	0.68
113.43	113.93	0.5	58902	0.01	0	0	0.01
113.93	114.3	0.37	58903	0.01	0	0	1.71
114.3	114.78	0.48	58904	0.01	0	0	1.71

124.29 150.62 26.33 IBXREG
S

70

Colour: G_G

PNK

Pyrite:

TR DISS

Texture:

Sphalerite:

Alteration: WSIL
CARB

Galena:

Chalco:

Description:

Rhyolite breccia - Grey green to pink; grey green
matrix with pale pink to pink rhyolite fragments
and rare basalt and tuff fragments. Occasional
qtz clasts and carbonate over printing. Rx is
weakly siliceous. Trace of calcite along fracture
surfaces. Upper contact at 70 deg to ca. Tr
disseminated pyrite. Faulting with broken rock at
128.43-128.82 and 138.97-139.58 m. Jasper
cobble (10cm) from 149.40-150.00 m.

Clasts/Cryst:

Rhyolite

150.62 173.74 23.12 FCGLTEC
B**Colour:** PNK

PRPL

Pyrite:

Texture:

Sphalerite:

Alteration: WSIL
CARB

Galena:

Chalco:

Description:

Rhyolite - Pink to maroon, fine grained with qtz
feldspar phenocrysts. Rare pink rhyolite
fragments (<3 cm). Fractures commonly at 60
deg to ca. Tr of epidote along fracture surfaces.
Rx is badly broken from 150.00-152.67 m, 155.90-
157.45 m, 160.00-161.20 m, 163.11-164.78 m.
Upper contact is broken. Rx is siliceous.

Clasts/Cryst:

Rhyolite

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

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

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Lithology**From To Length****173.74 210.52 36.78 FCGL**REG
S

60

Colour: GREY DKG**Texture:****Alteration:** W SIL
CARB**Mineralogy**

Pyrite: TR DISS

Sphalerite:

Galena:

Chalco:

Description:

Poly lithic Conglomerate - Grey to dark grey with fragments of pink rhyolite and grey to dark grey basalt and tuff. Rare lithic fragments containing <1% disseminated pyrite. Qtz grains throughout. Upper contact at 60 deg to ca. Rare bedding at 70 deg to ca. Thin tuffaceous beds (<10 cm) at 187.63 m and at 189.14 m. Weak chlorite and carbonate alteration. Thin calcareous filling along some fracture surfaces. Tr of disseminated pyrite. Blebs (<0.5) cm of pyrite (<1%) in basal 50 cm of unit.

Clasts/Cryst:

Rhyolite

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

210.52 214.6 4.08 ITREG
S

20

Colour: BGE GREY**Texture:** Apha**Alteration:** W SIL

Pyrite:

Sphalerite:

Galena:

Chalco:

Description:

Tuff - Beige to light grey, fine to occasionally medium grained. Bedding at 60 degrees to ca. Upper contact at 20 degrees to ca.

Clasts/Cryst:

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

214.6 321.99 107.39 IRYREG
S

60

Colour: PNK LgtGrn**Texture:** Apha**Alteration:** W SIL

Pyrite:

Sphalerite:

Galena:

Chalco:

Description:

Rhyolite - Pink, occasionally grading into light green and rare maroon. Aphanitic with occasional phenocrysts of feldspar. Rx is broken from 225 - 235 m, 250.770 - 253.43 and 284.50 - 284.99. Faulting at 300.40 - 301.30 m (with indications that part of the zone was rehealed) and at 319.41 - 319.52 m with gouge. Fractures commonly at 60 deg to ca but also at 30 deg to ca. Traces of epidote along some fractures.

Clasts/Cryst:

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

S 60

Description:

Sandstone - Pale pink, medium to coarse grained with rhyolite, quartz and lithic fragments. Upper contact is at 60 deg to ca. Fractures commonly at 80 deg to ca.

Clasts/Cryst:

Rhyolitic sandstone

Texture:

Sphalerite:

Alteration:

Galena:

Chalco:

Minor Lithology
403.97 405.2 1.23 MDY

Upp Ctc:
TEC
S 45

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

Description:

Mafic Dyke - Grey green, fined grained. Rock is broken. Upper contact at 45 deg to ca. Similar dyke at 404.83 - 404.93 m and dyke material along the sides of the core at 405.20 - 405.30 m.

Clasts/Cryst**Colour:** GREY**Foliation:****Texture:**

Pyrite:

Alteration:

Sphalerite:

406.76 434.52 27.76 FCGLTEC
S**Colour:** PNK GREY

Pyrite:

Texture:

Sphalerite:

Alteration: W SIL
Chl

Galena:

Chalco:

Description:

Felsic Conglomerate - Pink to grey, medium to coarse grained sandstone with conglomeritic intervals containing fragments up to 12 cm diameter. Grains are primarily rhyolite with lesser amounts of tuff, basalt and granite. Upper contact is soft indicating minor shearing. Minor chlorite alteration. Fractures commonly at 60 deg to ca. Interval is comprized of two fining upwards sequences from 406.76 - 430.95 and 430.95 - 434.52 m. Rare graded bedding indicating " tops up".

Clasts/Cryst:

Rhtolite

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

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Lithology

From To Length

434.52 438.01 3.49 FT

REG
S

90

Description:

Felsic Tuff - Grey, fine grained. Upper contact at 90 deg to ca. Poorly developed bedding at 70 deg to ca. Occasional thin beds (1-2 cm) of medium grained tuff. Wisps of carbonaceous material in core.

Clasts/Cryst:

Rhyolite

Colour: GREY

Texture:

Alteration:

Mineralogy

Pyrite:

Sphalerite:

Galena:

Chalco:

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

438.01 500 61.99 FCGL

REG
G

Description:

Felsic Conglomerate - Pink, generally medium grained with coarser fragments up to 12 cm diameter. Fragments are comprized of rhyolite, tuff, basalt and granite. Occasional quartz grains and rare jasper fragments. Fractures commonly at 60 - 70 deg to ca. Thin quartz/carbonate veins (<0.5 cm) at randon zangles to ca. Poorly developed bedding at 60 deg to ca. Interval contains several fining upward sequences. Sillficed and bleached along fractures at 483.30, 484.78, 485.55, 492.00, 492.75 and 493.45.

Clasts/Cryst:

Rhyolite

Colour: PNK

Texture:

Alteration: T

QC

Pyrite:

Sphalerite:

Galena:

Chalco:

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

EOH: 500