Gold Canyon

Project	SpringPole			*Hole name*	**SG13-200**
Area	Not Recorded	*Program*	2013	*Length (m)*	351
Claim	1184813	*Hole Type*	Diamond Drill	*Size*	HQ
Drill Contractor	Rodren	*Other Hole name*		*Data Origin*	GEO5-LENOVO
Drill Rig	2	*Cassing Pulled*	Unknown	*Data Date*	3/28/2013
Date Started	2/7/2013	*Cassing (m)*		*Data BY*	Geology
Date Finished	2/14/2013				
Logger	Eli Friedman	*Log Date*	2/9/2013		
Target					
Hole Comments	Geotechnical hole drilled on the ice. Site GT01.				
Collar survey Date	2/11/2013	*Survey By*	Maia Matarrese	*Method*	Trimble R8
Survey Notes	RDOP: 1.4; HDOP: 0.8; VDOP: 1.2; HPRE: 0.010m; VPRE: 0.014m; ANT HT(Hrig+Hwhiteice+COBrover): 5.432m				

Collar coordinates

Grid	Name	x	Y	z	Az	Dip
Original	LL	549,648.92	5,693,248.19	390.51	200.00	-70.00
Preferred	UTM84-15N	549,648.92	5,693,248.19	390.51	200.00	
Local						
Lat Long						

Down-hole surveys

SurveyDHDesc	mDepth	Dip	AzOrig	AzLocal	AzPref	AzMag	MagField	Remarks
- Gyro (readings taken do	0.00	-69.30	198.00		198.00			
- Gyro (readings taken do	10.00	-68.75	196.60		196.60			
- Gyro (readings taken do	20.00	-69.28	196.60		196.60			
- Gyro (readings taken do	30.00	-69.84	196.63		196.63			
- Gyro (readings taken do	40.00	-70.29	197.31		197.31			
- Gyro (readings taken do	50.00	-69.95	197.59		197.59			
- Gyro (readings taken do	60.00	-69.98	197.46		197.46			
- Gyro (readings taken do	70.00	-70.03	197.18		197.18			
- Gyro (readings taken do	80.00	-69.92	197.05		197.05			
- Gyro (readings taken do	90.00	-69.86	196.59		196.59			
- Gyro (readings taken do	100.00	-69.83	196.06		196.06			
- Gyro (readings taken do	110.00	-69.82	195.46		195.46			
- Gyro (readings taken do	120.00	-69.64	195.24		195.24			
- Gyro (readings taken do	130.00	-69.52	195.17		195.17			
- Gyro (readings taken do	140.00	-69.48	194.57		194.57			
- Gyro (readings taken do	150.00	-69.61	194.72		194.72			
- Gyro (readings taken do	160.00	-69.58	194.37		194.37			
- Gyro (readings taken do	170.00	-69.51	194.20		194.20			
- Gyro (readings taken do	180.00	-69.48	193.66		193.66			
- Gyro (readings taken do	190.00	-69.54	193.02		193.02			
- Gyro (readings taken do	200.00	-69.62	192.97		192.97			
- Gyro (readings taken do	210.00	-69.75	192.81		192.81			
- Gyro (readings taken do	220.00	-69.75	192.48		192.48			
- Gyro (readings taken do	230.00	-69.70	192.20		192.20			
- Gyro (readings taken do	240.00	-69.62	191.86		191.86			
- Gyro (readings taken do	250.00	-69.68	191.91		191.91			
- Gyro (readings taken do	260.00	-69.59	192.13		192.13			
- Gyro (readings taken do	270.00	-69.28	192.77		192.77			
- Gyro (readings taken do	280.00	-69.24	192.78		192.78			
- Gyro (readings taken do	290.00	-69.25	192.96		192.96			

- Gyro (readings taken dov	300.00	-69.26	193.03		193.03			
- Gyro (readings taken dov	310.00	-69.29	193.18		193.18			
- Gyro (readings taken dov	320.00	-69.28	193.23		193.23			
- Gyro (readings taken dov	330.00	-69.31	193.19		193.19			
- Gyro (readings taken dov	340.00	-69.35	192.89		192.89			
yro (readings taken upwar	0.00	-69.13	198.00		198.00			
yro (readings taken upwar	10.00	-68.63	197.87		197.87			
yro (readings taken upwar	20.00	-69.20	197.47		197.47			
yro (readings taken upwar	30.00	-69.66	197.64		197.64			
yro (readings taken upwar	40.00	-70.20	198.20		198.20			
yro (readings taken upwar	50.00	-69.87	198.57		198.57			
yro (readings taken upwar	60.00	-69.94	198.34		198.34			
yro (readings taken upwar	70.00	-70.00	198.08		198.08			
yro (readings taken upwar	80.00	-69.93	197.95		197.95			
yro (readings taken upwar	90.00	-69.85	197.79		197.79			
yro (readings taken upwar	100.00	-69.83	197.26		197.26			
yro (readings taken upwar	110.00	-69.85	196.48		196.48			
yro (readings taken upwar	120.00	-69.64	196.24		196.24			
yro (readings taken upwar	130.00	-69.56	196.32		196.32			
yro (readings taken upwar	140.00	-69.48	195.75		195.75			
yro (readings taken upwar	150.00	-69.65	195.75		195.75			
yro (readings taken upwar	160.00	-69.56	195.64		195.64			
yro (readings taken upwar	170.00	-69.53	195.32		195.32			
yro (readings taken upwar	180.00	-69.53	194.86		194.86			
yro (readings taken upwar	190.00	-69.55	194.20		194.20			
yro (readings taken upwar	200.00	-69.65	194.21		194.21			
yro (readings taken upwar	210.00	-69.73	194.23		194.23			
yro (readings taken upwar	220.00	-69.78	193.79		193.79			
yro (readings taken upwar	230.00	-69.72	193.46		193.46			
yro (readings taken upwar	240.00	-69.62	193.15		193.15			
yro (readings taken upwar	250.00	-69.63	193.19		193.19			
yro (readings taken upwar	260.00	-69.58	193.34		193.34			
yro (readings taken upwar	270.00	-69.26	193.93		193.93			
yro (readings taken upwar	280.00	-69.23	194.00		194.00			
yro (readings taken upwar	290.00	-69.24	194.25		194.25			
yro (readings taken upwar	300.00	-69.25	194.32		194.32			
yro (readings taken upwar	310.00	-69.31	194.45		194.45			
yro (readings taken upwar	320.00	-69.25	194.51		194.51			
yro (readings taken upwar	330.00	-69.30	194.41		194.41			
yro (readings taken upwar	340.00	-69.35	194.13		194.13			

Relating Certificates

LabCode	Status	CertName	CertDate	Between	and	SampleGen
SGS	QC-NR	RL1300776	3/21/2013	45.00	279.00	0
SGS	QC-NR	RL1300791	3/21/2013	279.00	351.00	0

Control Samples

SampleID	mFrom	mTo	SampleCode	SampleGen	Au_ppm	WtRecvd_kg	Au_CertName
82668	68.00	70.00	2-DUPF	0	0.05	3.20	RL1300776
82692	112.00	114.00	2-DUPF	0	0.02	3.50	RL1300776
82725	172.00	174.00	2-DUPF	0	0.48	2.70	RL1300776
82763	241.00	244.00	2-DUPF	0	0.17	1.90	RL1300776
82813	343.00	345.00	2-DUPF	0	0.05		RL1300791
82657	50.00	52.00	2-DUPL	0	0.00		RL1300776
82704	134.00	136.00	2-DUPL	0	0.01		RL1300776

82744	206.00	208.00	2-DUPL	0	0.86		RL1300776
82781	285.00	287.00	2-DUPL	0	0.38		RL1300791
82677	86.00		Blk-BL9	0	0.00	1.40	RL1300776
82717	160.00		Blk-BL9	0	0.00	1.40	RL1300776
82758	235.00		Blk-BL9	0	0.00	1.50	RL1300776
82804	329.00		Blk-BL9	0	0.00	1.30	RL1300791
82661	58.00		Std-High	0	1.92	0.05	RL1300776
82796	315.00		Std-High	0	1.92	0.12	RL1300791
82775	277.00		Std-Low	0	0.34	0.05	RL1300776
82737	196.00		Std-Mid	0	0.70	0.05	RL1300776

Number of entries per table

Litho	Alt	Minz	Geotech	Struct	Vein	Photos	Scans
23	28	36	205	167	10	0	0

Springpole Project

Lithologic and Structural Code Identifiers for Loggers

	Color
BLK	Black
BLU	Blue
BRN	Brown
GRN	Green
GRY	Gray
ORG	Orange
PNK	Pink
PUR	Purple
RED	Red
WHT	White
YLW	Yellow

	Color Intesity
LT	Light
MD	Medium
DK	Dark

	Lithologies
AND	Andesite
TRA	Trachyte
POR	Porphyry Dyke
MSD	Metasediments
MSC	Metasedimentary Conglomerate
BIF	Banded Iron Formation
VBX	Volcanic breccia
LAM	Lamprophyre dyke
CRB	Carbonatite
MSM	Muscovite Seam
TUF	Tuff
QPD	Quartz Porphyry Dike
NRC	No recovered core
OBN	Overburden
IND	Indeterminate

	Alteration
ALB	Albite
ARG	Argillic
BIO	Biotite
CHL	Chlorite
EPI	Epidote
FEX	Iron Oxide
GOE	Goetite
HEM	Hematite
JAR	Jarosite
KSP	K-feldspar
POT	Potatssic
SER	Sericite
SIL	Silica
TAL	Talc

	Accessory Minerals
AG	Silver
AU	Gold
CHP	Chalcopyrite
FLU	Fluorite
GAL	Galena
MAR	Marcasite
PYH	Pyrrhotite
ROE	Roscoelite
SPH	Sphalerite
TOU	Tourmaline

Sulfides (Pyrite %)
<1%
1-5%
5-10%
10-15%
>15%

	Textures
APH	Aphanitic
FGN	Fine Grained
MGN	Medium Grained
CGN	Coarse Grained
PRP	Porphyritic
MEG	Megacrystic
BIM	Bimodal
BX	Breccia
CBX	Chaotic Breccia
KBX	Crackle Breccia
MBX	Mosaic Breccia
MYL	Mylonitic
SCH	Schistose

	Intensity Scale (%)
	Void Space, Magnetism, Alteration, CaCO3, Closed Structures
1	Very Weak (1-5%)
2	Weak (5-15%)
3	Moderate (15-30%)
4	Strong (30-60%)
5	Intense (<60%)

	Structures
BD	Bedding
CN	Contact
FL	Fault
JN	Joint
FR	Fracture
LN	Lineation
SH	Shear
FO	Foliation

	Strength
1	Clay
2	Sand
3	Very soft rock
4	Soft rock
5	Moderately soft rock
6	Moderately hard rock
7	Hard rock
8	Very hard rock
9	Extremely hard rock

	Fracture Density	
1	Very Slightly Fractured	(>1 m)
2	Slightly Fractured	(0.3-1.0 m)
3	Moderately Fractured	(0.1-0.3 m)
4	Intensely Fractured	(<0.1 m)
5	Very Intensely Fractured (rubble)	

	Vein Type
QTZ	Quartz
BIO	Biotite
CAR	Carbonate
EPI	Epidote
FLU	Fluorite
GYP	Gypsum
SUL	Sulfide

	Vein Accessory Minerals
B	Biotite
C	Calcite
D	Dolomite
E	Epidote
F	Fluorite
G	Gypsum
P	Pyrite
Q	Quartz
S	Sulfides

Project: SpringPole
Area: Not Recorded
Claim: 1184813

Gold Canyon
Program: 2013
Logger: Eli Friedman

Hole name: SG13-200
Length (m): 351

Assays				Litho				
Depth (m)	SampleID	Au (ppm)	Ag (ppm)	Depth (m)	Lith1	Txtr2	Txtr2	Comments
	NoSample194			41.60	WTR			very wet, soft, contains disolved solids, some bioturbation, changes density with temperature
45.00				45.00	OBN			
CertName= RL1300776								
47.00	82654	0.005						
50.00	82655	0.005						
52.00	82656	0.005						
54.00	82658	0.06						
56.00	82659	0.01						
58.00	82660	0.005						
60.00	82662	0.005			AND	FGN		60-72m: Sulfides increasingly present. Euhedral pyrite crystals 1-2mm. Foliation jointing with sheeted chlorite and pervasive pyrite. 65.8m: carbonate leached rubble zone with 1mm cubic pyrite
62.00	82663	0.005						
64.00	82664	0.14						
66.00	82665	0.03						
68.00	82666	0.13						
70.00	82667	0.06						
72.00	82669	0.01		72.00				
74.00	82670	0.04						72-80m: Increasing grain size. Felsic minerals are stretched and elongated along the fabric. Finely disseminated sulfides. Jointing along foliationg, about 15 joints per meter. 72.5-77m: Aprroximately 1 gouge zone per meter with decomposed clay (chlorite) and strong iron oxide staining and minor cubic hematite. Strong sericite alteration with minbor visible muscovite. 80-100m: Medium gray to dark green, pervasive chlorite alteration tinting the core green. Keak sericite alteration periodically intensifies resulting in friable incompetent zones coinciding with localized orange brown iron oxide staining.Sulfide content very weak, present after 83m as sub millimeter granules found as rare blebs and stringers. Entire interval crossed by carbonate veinlets and stringers of light gray color with weak orientation to fabric. Magnetism variable, stronger in solid core and very weak in heavily altered intervals. Alteration intervals 10-40cm long and rubbly. 82.5m: very fine grained white quartz-carbonate vein, appears distorted parallel to fabric. May actually be conventrated sericite? Soft. 85.2: Vein, same as above 86m: Appearance of very fine grained, "seafoam-green" epidote (?) in blebs or veins aligned with fabric. May actually be conventrated sericite? Soft. 95.5: Very fine grained pale green and white vein. Contains carbonate and epidote parallel to fabric. 97.0: Band of 1mm epidote and carbonate stringers parallel to fabric next to a joint. 100-120m: Moderately foliated at 45-60 degrees. Andesite grades to medium grained with magnetite prevalently parallel to foliation as summillimeter black specs with irregular distribution. Core crossed by very fine grained carbonate blebs or veinlets with occasional very fine grained epidote (sericite?). Joint surfaces and foliation breaks often show brouwn-orange iron staining and or flaky green clay-like
76.00	82671	0.04						
78.00	82672	0.005						
80.00	82673	0.005						
82.00	82674	0.005						
84.00	82675	0.005						
86.00	82676	0.005						
88.00	82678	0.005						
90.00	82679	0.005						
92.00	82680	0.005						
94.00	82681	0.005						
96.00	82682	0.005						
98.00	82683	0.005						
100.00	82684	0.005						
102.00	82685	0.005			AND	MGN		

Project: SpringPole
Area: Not Recorded
Claim: 1184813

Gold Canyon
Program: 2013
Logger: Eli Friedman

Hole name: SG13-200
Length (m): 351

Assays				Litho				
Depth (m)	SampleID	Au (ppm)	Ag (ppm)	Depth (m)	Lith1	Txtr2	Txtr2	Comments
104.00	82686	0.01			AND	MGN		mineral. Carbonate reactivity to hydrochloric acid tends to be restricted to carbonate stringers or blebs. Weak sulfides disseminated throughout with rare blebs of chlorite alteration pervasive through groundmass, dark green.
106.00	82687	0.005						
108.00	82688	0.005						100.6m: 20mm wide very fine grained green and white epidote and carboante vein, irregular with 3mm offset visible along a fracture through the vein.
110.00	82689	0.005						106m: Very fine grained white carbonate-epidote-pyrite vein, irregular edges and short 2cm pyrite stringers parallel to vein.
112.00	82690	0.005						112m: Irregular white vein, very fine grained carbonate and quartz submillimeter green sericite(?) selvage
114.00	82691	0.02						115m: Voids present as shallow, 1mm pockmarks on core surface
116.00	82693	0.02						120-140m: Foliation intensity bariable. Size of white very fine grained carbonate clasts or veins increases to 1-5cm after ~121m. Greenish white clay on joint surfaces expand when wet.
118.00	82694	0.005						
120.00	82695	0.005						122.1m: Very fine grained gray-white carbonate vein with irregular edges. Chlorite flakes within are parallel to vein angle and foliatino locally.
122.00	82696	0.005						
124.00	82697	0.005						124.5-125m: Locally intense foliation at roughly 60 degrees to core axis with foliation surfaces coated with light white green expanding clay mineral, platy chlorite and weak iron oxide.
126.00	82698	0.02						
128.00	82699	0.02						129.7m: Wide pinkish white very fine grained carbonate vein, irregular edges, crosscuts foliation direction.
130.00	82700	0.02						
132.00	82701	0.1		132.00				131.5-132m: Locally intense foliation at roughly 60 degrees to core axis with foliation surfaces coated with light white green expanding clay mineral, platy chlorite and weak iron oxide.
134.00	82702	0.04						132m: grain size increase from 3mm to 4-6mm overall.
136.00	82703	0.01						132m: grain size increase from 3mm to 4-6mm overall.
138.00	82705	0.04						132m: grain size increase from 3mm to 4-6mm overall.
140.00	82706	0.17			AND	CGN		132m: grain size increase from 3mm to 4-6mm overall.
142.00	82707	0.1						140.5m: Alteration zone, 25cm, strong iron oxide and gray-green expanding clays. Hairline black selvages or iron oxide-carbonate clasts in zone140.5m: Alteration zone, 25cm, strong iron oxide and gray-green expanding clays. Hairline black selvages or iron oxide-carbonate clasts in zone
144.00	82708	0.09						140.5m: Alteration zone, 25cm, strong iron oxide and gray-green expanding clays. Hairline black selvages or iron oxide-carbonate clasts in zone
145.30	82709	0.29		145.30				140.5m: Alteration zone, 25cm, strong iron oxide and gray-green expanding clays. Hairline black selvages or iron oxide-carbonate clasts in zone140.5m: Alteration zone, 25cm, strong iron oxide and gray-green expanding clays. Hairline black selvages or iron oxide-carbonate clasts in zone
148.00	82710	0.25						
150.00	82711	0.16						132m: grain size increase from 3mm to 4-6mm overall.
152.00	82712	0.29						145.3-168m: Sheared 8cm contact between andesite and trachyte. Abrupt cessation of dicernable grains and darker groundmass coloration. Carbonate stringers and blebs continue, weak sulfides disseminated throughout core and occasionally concentrated near carbonate blebs and stringers, sub-millimeter grains. Sericite alteration pervasive as green-tan, fine sub-millimeter strands in are occasionally concentrated parallel to foliation. Joint surfaces show weak iron oxide staining and gray green clays, occasional carbonate.
154.00	82713	0.54						

Project: SpringPole
Area: Not Recorded
Claim: 1184813

Gold Canyon
Program: 2013
Logger: Eli Friedman

Hole name: SG13-200
Length (m): 351

Assays				Litho				
Depth (m)	SampleID	Au (ppm)	Ag (ppm)	Depth (m)	Lith1	Txtr2	Txtr2	Comments
156.00	82714	0.15						Biotite alteration pervasive in groundmass, discerned as hairlines parallel to fabric. Core largely competent. Chaotic breccia texture most visible where carbonate fills space between clasts. Not continuous.
158.00	82715	0.25			TRA	APH	KBX	
160.00	82716	0.3						158.3m: Broken zone with 6cm core pieces coated with gougy gray clays. Twenty centimeters long.
162.00	82718	0.28						167m: increased shearing and foliation intesity at approximately 60 degrees to the core axis. Decreased carbonate reactivity and magnetism. Coid space appears, coids 1-2mm wide and 10-20mm long, parallel to foliation or shearing. Increased biotite alteration. Sericite still visible as above.
164.00	82719	0.16						140.5m: Alteration zone, 25cm, strong iron oxide and gray-green expanding clays. Hairline black selvages or iron oxide-carbonate clasts in zone
166.00	82720	0.13						
168.00	82721	0.31		168.00				
170.00	82722	0.64						
172.00	82723	1.67						
174.00	82724	0.44						168m: Gradational contact with volcanic breccia with the appearance of light gray breccia clasts and occasional 4-6cm milled white feldspar phenocrysts within the sheared matrix. Joint surfaces often have gray and green clay coating and are parallel to shearing or foliation. Sulfides are disseminated throughout and are submillimeter in size. Rare concentrations in blebs and veins. Core increasingly broken in short 20cm rubbly zones. Chlortie on joint surfaces? Platy dark green mineral parallel to foliation/shearing, soft.
176.00	82726	0.49						
178.00	82727	0.17						
180.00	82728	0.2						180-231m: Volcanic Breccia as above. Medium gray matrix heavily sheared to 182m, then moderate at 60 degrees to core axis. Void space mostly parallel to fabric. Pervasive biotite and sericite alteration through matrix; visible biotite flecks in some voids and fractures. Sulfides disseminated throughout, submillimeter. Occasional euhedral crystals in voids, submillimeter. Clasts within breccia appear to be megacrystic porphyry and trachyte. Magnetism is weak and in intervals greater than 10cm long through core. Likely clasts larger than core diameter.
182.00	82729	0.26						
184.00	82730	0.18						
186.00	82731	0.47						
188.00	82732	0.31						
190.00	82733	0.13						184m: Larger clasts of porphyry appear in core, containing 1-6mm milled white feldspar phenocrysts, clasts 6-15cm across.
192.00	82734	0.12			VBX			
194.00	82735	0.14						185m: increase void space, same size as aboce but no longer parallel to fabric
196.00	82736	0.16						186m: Decrease in shearing intensity, still affects both groundmass and clasts. Hairline biotite parallel to fabric
198.00	82738	0.11						
200.00	82739	0.48						200-216.5m: Volcanic Breccia as above. Core color becomes darker after 199.0m Void space decrease after 208m retaining above characteristics. Occasional zones of rubbly core with green and yellow clay gouge from 209-213m. Sulfides disseminated throughout, submillimeter. Core loses competency with depth; intervals of rubble and decomposed rock appear after 213m.
202.00	82740	0.2						
204.00	82741	0.19						
206.00	82742	0.4						209.0-209.1m: Very broke core filled with lime green and yellow expanding clay gouge.
208.00	82743	0.76						209.3-209.5m: Very broke core filled with lime green and yellow expanding clay gouge.
210.00	82745	0.89						
212.00	82746	0.29						214-217.5m: Core rubbly, "decomposed" section between more competent intervals.
214.00	82747	0.11						
218.00	82748	0.42		215.90				
				216.50	MSM			215.9-216.5m: Mica Seam, Golden-brown in color. Sharp contact with surrounding volcanic breccia.
220.00	82749	0.13						180-231m: Volcanic Breccia as above. Medium gray matrix heavily sheared to 182m, then moderate at 60 degrees to core axis. Void space mostly parallel to fabric. Pervasive biotite and sericite alteration through matrix; visible biotite flecks in some voids and fractures.

Project: SpringPole
Area: Not Recorded
Claim: 1184813

Gold Canyon
Program: 2013
Logger: Eli Friedman

Hole name: SG13-200
Length (m): 351

Assays				Litho				
Depth (m)	SampleID	Au (ppm)	Ag (ppm)	Depth (m)	Lith1	Txtr2	Txtr2	Comments
222.00	82750	0.11						
224.00	82751	0.11						
226.00	82752	0.12						
228.00	82753	0.09						
230.00	82754	0.12						
231.00	82755	0.09		231.00	VBX			Sulfides disseminated throughout, submillimeter. Occasional euhedral crystals in voids, submillimeter. Clasts within breccia appear to be megacrystic porphyry and trachyte. Magnetism is weak and in intervals greater than 10cm long through core. Likely clasts larger than core diameter. 220-231m: Volcanic Breccia as above. Increasingly rubbly with 1-2m intervals of competent, jointed/fractured core. Decrease in carbonate content, void space and visible clasts/phenocryst size from 220-231m. Sericite alteration seen as grayish-white clay coating on many joints fractures and rubble zones. Biotite pervasiv darkening overall color.
233.00	82756	0.1						
235.00	82757	0.23						
237.00	82759	0.13						
239.00	82760	0.17						
241.00	82761	0.3						
244.00	82762	0.41						
246.00	82764	0.21						
248.00	82765	0.29						
252.00	82766	0.61		249.00	VBX	DEC		231.0- ??m: Volcanic Breccia, decomposed. Core no longer competent but sand/rubble. Black to dark gray with visilble very fine grained sulfides disseminated throughout. White phenos less than 2mm and very rare within rubble till 253. Rare black mica seam comprised of biotite occur and are less than 5cm in length. 239.5m: 1-5mm blebs of chalcopyrite within pieces of rubbly material 240-260m: Volcanic Breccia, decomposed, same as above. Poor recovery of core from 249-262.5. Possible sand in barrel at 255-256.5m. Clasts and prenocrysts (relict) evident, decomposed in situ. Pink and white granules, submillimeter, seen in larger rubble pieces.
				250.50	NRC			
				252.00	VBX	DEC		250.5-252m: Volcanic Breccia, decomposed, same as above 251.7m: Chalcopyrite, submillimeter, in rubbly section
259.50	82767	0.32		253.50	NRC			
				256.50	VBX	DEC		253.5-256.5m: Volcanic breccia, decomposed, same as above
				258.00	NRC			
				259.50	VBX	DEC		258-259.5m: Volcanic breccia, decomposed, same as above
264.00	82768	0.2		262.50	NRC			
266.00	82769	0.23						
268.00	82770	0.31						
270.00	82771	0.14						
273.00	82772	0.13						
275.00	82773	0.13						
277.00	82774	0.48						
279.00	82776	0.58						
CertName= RL1300791								
281.00	82777	0.36						
283.00	82778	0.21			VBX	DEC		262.5-271m: Volcanic breccia, decomposed, same as above 262.5-264m: Breif zone of strong magnetism 265-268m: core still black and sandy overall but has distinct dark pink tint. Appears to come from submillimeter anhedral crystals within sand, no reaction to 10% hydrochloric acid. 271.0m: Abrupt increase in 10% hydrochloric acid reactivity. Core becomes lighter overall, more crushed pall pink/white phenocrysts visible. Core is still decomposed but very light in color. 277.5-277.7: White and gray very fine grained mica seam with bands of very fine grained purple fluorite normal to core axis. 278.9-279.1m: Short mica seam, white with 3-5mm bands of very fine grained purple fluorite nearly perpendicular to core axis bounded
285.00	82779	0.33						

Project: SpringPole
Area: Not Recorded
Claim: 1184813

Gold Canyon
Program: 2013
Logger: Eli Friedman

Hole name: SG13-200
Length (m): 351

Assays				Litho				
Depth (m)	SampleID	Au (ppm)	Ag (ppm)	Depth (m)	Lith1	Txtr2	Txtr2	Comments
287.00	82780	0.43						uphole by 5cm black hiotite seam and downhole by large decomposed porphyry clast?
289.50	82782	0.2						280-282m: Core contains 1-10mm white phenocrysts in light gray groundmass, pervasive biotite alteration between phenocrysts. Transition to sandy black and white core. Crumbles on contact. Contains 1mm pink and white angular phenocrysts and reacts strongly to 10% hydrochloric acid. Very rare competent pieces of core less that 5cm long between sandy intervals after 286.
291.00	82783	0.41						
293.00	82784	0.23						
295.00	82785	0.09						289-300m: Strongly biotite altered, extremely decomposed volcanic breccia. Sand is dark gray-black and pink (from crushed, relict feldspar?) very fine grained anhedreal pyrite disseminated throughout the sand. Void space indeterminate. Crumbly, solely held together by clay?
297.00	82786	0.15						
299.00	82787	0.49						
301.00	82788	0.11						
303.00	82789	0.09		303.00				
305.00	82790	0.07						
307.00	82791	0.08						303m: Volcanic Breccia becomes less decomposed but still contains occasional intervals of sandy black and pink core. Core is still strongly fragmented with pucking style breaks. In the more competent core, sparse felspar porphyry clasts become appearant especially at 305m. Feldspars within clasts are medium grained to coarse grained.
309.00	82792	0.06						
311.00	82793	0.06						
313.00	82794	0.08						307.9m: Very short 10mm segment of mica seam, beige to olive green in color. Powdery.
315.00	82795	0.27						
317.00	82797	0.06						310-315m: Core is fully competent but still fairly broken. Approximate hardness, R4. Irregularly shaped feldspar clasts more easliy visible. Phenocrysts within are anhedral to rounded, medium grained to coarse grained. Void space becomes visible and is very weak. Few vugs. Pyrite continues to be very fine grained, anhedral and finely disseminated throughout the groundmass.
319.00	82798	0.02						
321.00	82799	0.07			VBX	CBX		
323.00	82800	0.03						315m: Core develops a lighter gray color with greenish tint as sericite alteration is introduced. Fracture surfaces have lime green, soft, clayey staining. Increase in clast frequency. Matrix of clasts have greater sericite alteration. Clasts are irregularly shaped with some pink potassium feldspar staining. Anhedral medium grained to coarse grained white pink feldspar phenocrysts.
325.00	82801	0.05						
327.00	82802	0.37						
329.00	82803	0.02						320-331m: Same as above (315-320m)
331.00	82805	0.03						331-333m: Less clasts present and core develops a moer foliated/sheared appearance. Some zones of brecciation.
333.00	82806	0.2						
335.00	82807	0.03		333.30				
337.00	82808	0.04		335.50	POR	MGN		333.3-335.5m: Potassium feldspars and sericite altered porphyry or porphyry clasts/dike? Contains medium grained anhedral, white feldspar phenocrysts abundantly dispersed within the matrix. Medium pink and green in color. Sharp drop in magnetism and carbonate presence in the porphyry. 1-3% very fine grained pyrite still disseminated throughout.
339.00	82809	0.71						
341.00	82810	0.1						335.5-340m: Caotic volcanic breccia with large porphyry clasts randomly distributed throughout. Medium grained to coarse grained subhedral white beige feldspar phenocrysts also dispersed throughout matrix. Slight increase in void space. Broken core still has blocky pucking fracturing until EOH
343.00	82811	0.1			VBX	CBX		
345.00	82812	0.06						340-346.9m: Same as about (335.5-340m) Carbonate intensity is still strong but increase in pore space due to dissolution.
347.00	82814	0.18		346.90				
					POR			346.9-351m: seems to alternate quickly between porphyry and volcanic breccia. Could be gradual transition between the two or may be

Project: SpringPole
Area: Not Recorded
Claim: 1184813

Gold Canyon
Program: 2013
Logger: Eli Friedman

Hole name: SG13-200
Length (m): 351

Assays				Litho				
Depth (m)	SampleID	Au (ppm)	Ag (ppm)	Depth (m)	Lith1	Txtr2	Txtr2	Comments
				348.70	FOR			a large porphyry clast within the volcanic breccia.
349.00	82815	0.09						
351.00	82816	0.04		351.00	VBX	CBX		346.9-351m: seems to alternate quickly between porphyry and volcanic breccia. Could be gradual transition between the two or may be a large porphyry clast within the volcanic breccia.

Project: SpringPole
Area: Not Recorded

Gold Canyon
Program: 2013
Logger: Eli Friedman

Hole name: SG13-200
Length (m): 351

Mineralization

mFrom	mTo	Pyrite_Pct	Min1	Min1_Pct	Min2	Min2_Pct	Comments
42.00	45.00	0.5					
45.00	47.00	0.5					
47.00	58.00	0.5					
58.00	63.00	0.5					
63.00	64.00	3					
64.00	72.00	0.5					
72.00	76.00	0.5					
76.00	80.00	0.5					
80.00	81.00	0					
81.00	83.00	0					
83.00	84.00	0.5					
84.00	85.00	0.5					
85.00	88.00	0.5					
88.00	89.00	0.5					
89.00	109.00	0.5					
109.00	120.00	0.5					
120.00	142.00	0.5					
142.00	145.30	0.5					
145.30	152.00	3					
152.00	173.00	3					
173.00	175.00	3					
175.00	180.00	3					
180.00	215.90	3					
215.90	216.50	0					
216.50	245.00	3					
245.00	249.00	3					
249.00	262.50	3					
262.50	264.00	3					
264.00	286.00	3					
286.00	307.00	3					
307.00	310.00	3					
310.00	315.00	3					
315.00	333.30	3					
333.30	344.00	3					

Project: SpringPole
Area: Not Recorded

Gold Canyon
Program: 2013
Logger: Eli Friedman

Hole name: SG13-200
Length (m): 351

Mineralization

mFrom	mTo	Pyrite_Pct	Min1	Min1_Pct	Min2	Min2_Pct	Comments
344.00	346.90	3					
346.90	351.00	3					

Project: SpringPole
Area: Not Recorded

Gold Canyon
Program: 2013
Logger: Eli Friedman

Hole name: SG13-200
Length (m): 351

Veins

mDepth	mWidth	Vein1	Vein1_AlphaAngle	Vein1_Min1	Vein1_Min2	Vein1_Min3	Comments
82.50	0.01	CAR	50	Q			vfg white quartz carbonate vein appears distorted, parallel to fabric
85.20	0.01	CAR	50	Q			very fine grained quartz carbonate vein appears distorted, parallel to fabric
95.50	0.01	EPI	50	C			very fine grained pale green and white vein, carbonate epidote. parallel to fabric
97.00	0.01	EPI	45	C			band of 1mm epidote and carbonate stringers parallel to fabric, next to joint
100.60	0.02	EPI	40	C			20mm wide very fine grained green and white epidote and carbonate vein, irregular with 3mm offset visible along fracture through vein
106.00	0.01	CAR	40	E			very fine grained carbonate epidote pyrite vein, irregular edges and short 2cm pyrite stringers parallel to vein
112.00	0.00	CAR	40	Q			Irregular white vein, very fine grained carbonate and quartz, feint submillimeter green sericite (?) selvages
122.10	0.01	CAR	55				very fine grained gray and white carbonate vein with irregular edges. Chlorite flakes within are parallel to vein andle and foliation locally
129.70	0.01	CAR	30				Wide pinkish white very fine grained carbonate vein, irregular edges, crosscuts foliation direction
169.60	0.01	SUL	70				

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Gold Canyon
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Hole name: SG13-200
Length (m): 351

Alteration

mFrom	mTo	Alt1	Int	Alt2	Int	Alt3	Int	Alt4	Int	Comments
42.00	45.00	SER	2	CHL	2					
45.00	75.50	SER	2	CHL	1					
75.50	80.00	SER	2	CHL	2	FEX	1			
80.00	81.00	CHL	3	SER	3					
81.00	84.00	CHL	3	SER	1					
84.00	89.00	SER	3	CHL	3	FEX	2			
89.00	96.00	CHL	3	SER	2					
96.00	97.00	FEX	2	SER	3	CHL	3			
97.00	100.00	CHL	3	SER	2					
100.00	140.00	CHL	3	SER	2	FEX	1			
140.00	145.30	CHL	3	SER	3	FEX	1			
145.30	168.00	SER	2	BIO	2					
168.00	180.00	BIO	3	SER	2	CHL	2			
180.00	200.00	BIO	4	SER	5					
200.00	215.90	SER	3	BIO	4					
215.90	216.50	SER	5							
216.50	231.00	BIO	4	SER	3					
231.00	240.00	BIO	4	SER	3					
240.00	271.00	BIO	5	SER	3					
271.00	285.00	BIO	4	SER	4					
285.00	303.00	BIO	5							
303.00	310.00	BIO	4							
310.00	315.00	BIO	3							
315.00	333.00	SER	3	BIO	2					
333.00	335.00	KSP	3	SER	1					
335.00	346.90	SER	3	BIO	2					
346.90	348.70	KSP	3	SER	1					
348.70	351.00	SER	3	BIO	2					

Project: SpringPole
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Gold Canyon
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Hole name: SG13-200
Length (m): 351

Color

mFrom	mTo	Color1	Int	Color2	Comments
41.60	45.00	GRY	LT	GRN	
45.00	80.00	GRY	DK	GRN	
80.00	145.30	GRY	MD	GRN	
145.30	168.00	GRY	DK		
168.00	180.00	GRY	MD		
180.00	197.00	GRY	MD	WHT	
197.00	199.00	GRY	LT	WHT	
199.00	200.00	GRY	MD	WHT	
200.00	215.90	GRY	DK	WHT	
215.90	216.50	TAN	MD	GRY	
216.50	220.00	GRY	DK		
220.00	231.00	GRY	MD		
231.00	240.00	GRY	DK	BLK	
240.00	271.00	GRY	MD	BLK	
271.00	282.00	GRY	LT		
282.00	285.00	BLK	DK	WHT	
285.00	309.00	BLK	DK	PNK	
309.00	315.00	BLK	DK	GRY	
315.00	333.30	GRN	DK	GRN	
333.30	335.50	PNK	MD	GRN	
335.50	346.90	GRN	DK	GRN	
346.90	348.70	PNK	MD	GRN	
348.70	351.00	GRN	DK		

Project: SpringPole
Area: Not Recorded

Gold Canyon
Program: 201
Logger: Eli Friedman

Hole name: SG13-200
Length (m): 351

Carbonate and Void Space

mFrom	mTo	Void_pctCod	Carb_IntCod	Comments
41.60	51.00	1	0	
51.00	56.00	2	0	
56.00	72.00	1	0	
72.00	77.00	2	0	
77.00	80.00	1	0	
80.00	100.00	0	1	
100.00	109.00	0	2	
109.00	116.00	0	3	
116.00	120.00	1	3	
120.00	140.00	1	3	
140.00	152.00	0	3	
152.00	160.00	0	2	
160.00	166.00	0	3	
166.00	168.00	0	1	
168.00	182.00	2	1	
182.00	185.00	2	0	
185.00	198.00	3	0	
198.00	200.00	4	0	
200.00	206.00	3	0	
206.00	208.00	3	1	
208.00	211.00	2	1	
211.00	213.00	0	0	
213.00	216.50	2	0	
216.50	222.00	2	0	
222.00	231.00	2	1	
231.00	271.00	0	0	
271.00	301.00	0	5	
301.00	308.00	0	4	
308.00	310.00	0	2	
310.00	315.00	1	2	
315.00	333.30	1	4	
333.30	335.50	1	0	
335.50	346.90	2	4	
346.90	348.70	2	0	

Project: SpringPole
Area: Not Recorded

Gold Canyon
Program: 201
Logger: Eli Friedman

Hole name: SG13-200
Length (m): 351

Carbonate and Void Space

mFrom	mTo	Void_pctCod	Carb_IntCod	Comments
348.70	351.00	2	4	

Project: SpringPole
Area: Not Recorded

Gold Canyon
Program: 2013
Logger: Eli Friedman

Hole name: SG13-200
Length (m): 351

Geotech

mFrom	mTo	Recov_m	Recov_pct	RQD_m	RQD_pct	StrengthCo	Comments
42.00	45.00	1.55	51.7	0.2	6.7		Overburden composed of mixed sand/granite. Some cave zones.
45.00	46.50	0.74	49.3	0.49	32.7		Cave towards end of run.
46.50	48.00	1.24	82.7	0.55	36.7		30cm redrill at end of run
48.00	49.50	1	66.7	0.61	40.7		0.26cm of redrill at the end of the run, frozen, logged in boxes
49.50	51.00	1.3	86.7	0.27	18		Frozen, logged in boxes
51.00	52.50	1.32	88	0.67	44.7		
52.50	54.00	1.55	103.3	1	66.7		
54.00	55.50	1.62	108	1.5	100		
55.50	57.00	1.23	82	1.23	82		
57.00	58.50	1.51	100.7	0.49	32.7		
58.50	60.00	1.52	101.3	1.27	84.7		
60.00	61.50	1.55	103.3	1.36	90.7		
61.50	63.00	1.46	97.3	1.31	87.3		
63.00	64.50	1.47	98	1.23	82		
64.50	66.00	1.51	100.7	1.35	90		
66.00	67.50	1.5	100	1.36	90.7		
67.50	69.00	1.47	98	1.3	86.7		
69.00	70.50	1.47	98	1.04	69.3		
70.50	72.00	1.51	100.7	0.79	52.7		
72.00	73.50	1.52	101.3	0.44	29.3		
73.50	75.00	1.36	90.7	1.05	70		
75.00	76.50	1.6	106.7	0.69	46		
76.50	78.00	1.41	94	1.21	80.7		
78.00	79.50	1.56	104	0.95	63.3		
79.50	81.00	1.48	98.7	0.99	66		
81.00	82.50	1.6	106.7	1.05	70		
82.50	84.00	1.41	94	1.41	94		
84.00	85.50	1.5	100	0.79	52.7		
85.50	87.00	1.2	80	0.1	6.7		Joints include ser+chl+/-epi occasional FEOX+GOE
87.00	88.50	1.44	96	0.84	56		
88.50	90.00	1.36	90.7	1.15	76.7		
90.00	91.50	1.23	82	1	66.7		
91.50	93.00	1.47	98	1.47	98		
93.00	94.50	1.49	99.3	1.19	79.3		Epidote+QTZ vn; broken zone with epi+hem

Project: SpringPole
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Gold Canyon
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Hole name: SG13-200
Length (m): 351

Geotech

mFrom	mTo	Recov_m	Recov_pct	RQD_m	RQD_pct	StrengthCo	Comments
94.50	96.00	1.44	96	1.03	68.7		Re-drill at bottom of run
96.00	97.50	1.53	102	1.43	95.3		
97.50	99.00	1.42	94.7	1.42	94.7		
99.00	100.50	1.45	96.7	1.34	89.3		
100.50	102.00	1.53	102	1.48	98.7		
102.00	103.50	1.45	96.7	1.38	92		
103.50	105.00	1.46	97.3	1.3	86.7		
105.00	106.50	1.41	94	1.41	94		
106.50	108.00	1.55	103.3	1.55	103.3		
108.00	109.50	1.4	93.3	1.13	75.3		
109.50	111.00	1.45	96.7	1.45	96.7		Follation alpha estimimated
111.00	112.50	1.62	108	1.46	97.3		
112.50	114.00	1.34	89.3	1.18	78.7		
114.00	115.50	1.61	107.3	0.71	47.3		
115.50	117.00	1.53	102	1.15	76.7		Loss of fabric
117.00	118.50	1.57	104.7	1.2	80		
118.50	120.00	1.43	95.3	1.43	95.3		
120.00	121.50	1.59	106	1.47	98		
121.50	123.00	1.46	97.3	1.23	82		
123.00	124.50	1.6	106.7	1.6	106.7		
124.50	126.00	1.37	91.3	1.11	74		
126.00	127.50	1.57	104.7	1.47	98		
127.50	129.00	1.7	113.3	1.09	72.7		
129.00	130.50	1.51	100.7	1.43	95.3		Large OL offset due to line error downhole?
130.50	132.00	1.41	94	1.25	83.3		
132.00	133.50	1.56	104	1.11	74		
133.50	135.00	1.31	87.3	0.9	60		
135.00	136.50	1.53	102	0.9	60		
136.50	138.00	1.45	96.7	1.45	96.7		
138.00	139.50	1.6	106.7	1.6	106.7		
139.50	141.00	1.38	92	1.38	92		
141.00	142.50	1.41	94	1.13	75.3		REDRILL ON BOTH ENDS, DASHED LINE.
142.50	144.00	1.49	99.3	1.24	82.7		ORIENTATION TOOL NOT WORKING

Project: SpringPole
Area: Not Recorded

Gold Canyon
Program: 2013
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Hole name: SG13-200
Length (m): 351

Geotech

mFrom	mTo	Recov_m	Recov_pct	RQD_m	RQD_pct	StrengthCo	Comments
144.00	145.50	0.96	64				No orientation, redrill spun in tube. No matching ends as both up and down hole
				0.63	42		ends could not be oriented
145.50	147.00	1.46	97.3	1.41	94		
147.00	148.50	1.49	99.3	1.48	98.7		ORIENTATION OFFSET, BETA ANGLE NOT RELIABLE
148.50	150.00	1.53	102	1.46	97.3		ORIENTATION OFFSET, BETA ANGLE NOT RELIABLE
150.00	151.50	1.39	92.7	1.2	80		
151.50	153.00	1.55	103.3	1.35	90		
153.00	154.50	1.36	90.7	1.36	90.7		
154.50	156.00	1.49	99.3	1.12	74.7		
156.00	157.50	1.48	98.7	1.41	94		
157.50	159.00	1.32	88	0.89	59.3		
159.00	160.50	1.44	96	1.36	90.7		
160.50	162.00	1.49	99.3	1.44	96		
162.00	163.50	1.6	106.7	1.27	84.7		
163.50	165.00	1.46	97.3	1.34	89.3		
165.00	166.50	1.53	102	1.3	86.7		
166.50	168.00	1.54	102.7	0.98	65.3		
168.00	169.50	1.6	106.7	0.73	48.7		
169.50	171.00	1.41	94	0.89	59.3		
171.00	172.50	1.48	98.7	0.85	56.7		
172.50	174.00	1.55	103.3	0.63	42		
174.00	175.50	1.6	106.7	0.49	32.7		
175.50	177.00	1.3	86.7	0.14	9.3		
177.00	178.50	1.59	106	0.81	54		
178.50	180.00	1.4	93.3	0.65	43.3		
180.00	181.50	1.63	108.7	0.31	20.7		
181.50	183.00	1.45	96.7	0.83	55.3		
183.00	184.50	1.52	101.3	0.89	59.3		
184.50	186.00	1.47	98	0.61	40.7		
186.00	187.50	1.52	101.3	0.88	58.7		
187.50	189.00	1.24	82.7	0.23	15.3		
189.00	190.50	1.41	94	0.21	14		Core intensely fractured
190.50	192.00	1.43	95.3	0.7	46.7		
192.00	193.50	1.42	94.7	0.58	38.7		

Project: SpringPole
Area: Not Recorded

Gold Canyon
Program: 2013
Logger: Eli Friedman

Hole name: SG13-200
Length (m): 351

Geotech

mFrom	mTo	Recov_m	Recov_pct	RQD_m	RQD_pct	StrengthCo	Comments
193.50	195.00	1.55	103.3	0.29	19.3		
195.00	196.50	0.87	58	0.18	12		
196.50	198.00	1.54	102.7	0.98	65.3		
198.00	199.50	1.49	99.3	0.66	44		
199.50	201.00	1.57	104.7	0.46	30.7		
201.00	202.50	1.14	76	0	0		
202.50	204.00	1.45	96.7	0.46	30.7		
204.00	205.50	1.17	78	0.18	12		
205.50	207.00	1.31	87.3	0	0		
207.00	208.50	1.51	100.7	0.4	26.7		
208.50	210.00	1.3	86.7	0	0		
210.00	211.50	1.43	95.3	0.32	21.3		
211.50	213.00	1.19	79.3	0	0		Begin very poor recovery
213.00	214.50	0.58	38.7	0	0		
214.50	216.00	0.25	16.7	0	0		Muscovite Seam and rubble, very poor recovery
216.00	217.50	1.53	102	0	0		large muscovite seam composes 40% of run
217.50	219.00	1.49	99.3	0	0		BEGIN "MUSH"
219.00	220.50	1.5	100	0	0		SIGNIFICANT MECHANICAL DAMAGE FROM HERE DOWN
220.50	222.00	1.34	89.3	0	0		
222.00	223.50	1.39	92.7	0	0		
223.50	225.00	1.53	102	0	0		
225.00	226.50	1.15	76.7	0	0		
226.50	228.00	1.25	83.3	0	0		
228.00	229.50	1.42	94.7	0	0		
229.50	231.00	1.45	96.7	0	0		
231.00	232.50	1.47	98	0	0		
232.50	234.00	1.46	97.3	0	0		
234.00	235.50	1.47	98	0	0		
235.50	237.00	1.43	95.3	0	0		
237.00	238.50	1.49	99.3	0	0		
238.50	240.00	1.51	100.7	0	0		
240.00	241.50	0.41	27.3	0	0		
241.50	243.00	0.78	52	0	0		looks mostly mechanical for first 20cm
243.00	244.50	1.21	80.7	0	0		

Project: SpringPole
Area: Not Recorded

Gold Canyon
Program: 2013
Logger: Eli Friedman

Hole name: SG13-200
Length (m): 351

Geotech

mFrom	mTo	Recov_m	Recov_pct	RQD_m	RQD_pct	StrengthCo	Comments
244.50	246.00	1.49	99.3	0	0		MUSH
246.00	247.50	1.5	100	0	0		MUSH
247.50	249.00	1.52	101.3	0	0		MUSH
249.00	250.50	0	0	0	0		NRC
250.50	252.00	0.7	46.7	0	0		
252.00	253.50	0	0	0	0		
253.50	255.00	0.24	16	0	0		MRZ?
255.00	256.50	0.58	38.7	0	0		
256.50	258.00	0	0	0	0		NRC
258.00	259.50	0.65	43.3	0	0		
259.50	261.00	0	0	0	0		NRC
261.00	262.50	0	0	0	0		NRC
262.50	264.00	1.52	101.3	0	0		
264.00	265.50	1.5	100	0	0		
265.50	267.00	1.5	100	0	0		
267.00	268.50	1.54	102.7	0	0		
268.50	270.00	0.3	20	0	0		
270.00	271.50	0.2	13.3	0	0		
271.50	273.00	1.53	102	0	0		
273.00	274.50	0.23	15.3	0	0		
274.50	276.00	1.35	90	0	0		photo correction needed, not tube 2/2 but next in order
276.00	277.50	1.54	102.7	0	0		
277.50	279.00	1.3	86.7	0	0		Top 20cm MSM with FLU, bottom likely a decomposed POR MEG
279.00	280.50	1.54	102.7	0	0		SAA, FLU AT TOP OF RUN
280.50	282.00	1.45	96.7	0	0		
282.00	283.50	1.5	100	0	0		
283.50	285.00	1.53	102	0	0		
285.00	286.50	1.5	100	0	0		
286.50	288.00	0.71	47.3	0	0		
288.00	289.50	1.51	100.7	0	0		
289.50	291.00	1.45	96.7	0	0		
291.00	292.50	1.38	92	0	0		
292.50	294.00	1.11	74	0	0		
294.00	295.50	1.52	101.3	0	0		

Project: SpringPole
Area: Not Recorded

Gold Canyon
Program: 2013
Logger: Eli Friedman

Hole name: SG13-200
Length (m): 351

Geotech

mFrom	mTo	Recov_m	Recov_pct	RQD_m	RQD_pct	StrengthCo	Comments
295.50	297.00	1.49	99.3	0	0		Aboue 5% of core is now R3/more competent. Intervals <3cm each.
297.00	298.50	1.53	102	0	0		
298.50	300.00	1.24	82.7	0	0		
300.00	301.50	1.48	98.7	0.38	25.3		
301.50	303.00	1.41	94	0	0		
303.00	304.50	1.51	100.7	0	0		
304.50	306.00	1.49	99.3	0.45	30		
306.00	307.50	1.52	101.3	0.5	33.3		
307.50	309.00	1.42	94.7	0	0		
309.00	310.50	1.51	100.7	0.64	42.7		
310.50	312.00	1.37	91.3	1.37	91.3		
312.00	313.50	1.5	100	1.5	100		
313.50	315.00	1.4	93.3	0.96	64		
315.00	316.50	1.55	103.3	1.55	103.3		
316.50	318.00	1.42	94.7	1.33	88.7		
318.00	319.50	1.46	97.3	1.46	97.3		
319.50	321.00	1.46	97.3	1.13	75.3		
321.00	322.50	1.54	102.7	1.54	102.7		Core breaks upon handling
322.50	324.00	1.55	103.3	0.85	56.7		Core breaks upon handling
324.00	325.50	1.37	91.3	0	0		Core breaks upon handling
325.50	327.00	1.5	100	1.5	100		
327.00	328.50	1.54	102.7	1.46	97.3		
328.50	330.00	1.46	97.3	1.06	70.7		
330.00	331.50	1.51	100.7	1.16	77.3		
331.50	333.00	1.5	100	1.18	78.7		
333.00	334.50	1.52	101.3	0.76	50.7		
334.50	336.00	1.47	98	0.82	54.7		
336.00	337.50	1.55	103.3	0	0		THIS ZONE LOOKS LIKE A MECHNICAL RUBBLE ZONE BUT MEASURED AS NATURAL
337.50	339.00	1.39	92.7	0	0		THIS ZONE LOOKS LIKE A MECHNICAL RUBBLE ZONE BUT MEASURED AS NATURAL
339.00	340.50	1.38	92	0	0		THIS ZONE LOOKS LIKE A MECHNICAL RUBBLE ZONE BUT MEASURED AS NATURAL

Project: SpringPole
Area: Not Recorded

Gold Canyon
Program: 2013
Logger: Eli Friedman

Hole name: SG13-200
Length (m): 351

Geotech

mFrom	mTo	Recov_m	Recov_pct	RQD_m	RQD_pct	StrengthCo	Comments
340.50	342.00	1.39	92.7	0	0		THIS ZONE LOOKS LIKE A MECHNICAL RUBBLE ZONE BUT MEASURED AS NATURAL
342.00	343.50	1.45	96.7	0	0		THIS ZONE LOOKS LIKE A MECHNICAL RUBBLE ZONE BUT MEASURED AS NATURAL
343.50	345.00	1.39	92.7	0	0		THIS ZONE LOOKS LIKE A MECHNICAL RUBBLE ZONE BUT MEASURED AS NATURAL
345.00	346.50	1.54	102.7	0.22	14.7		THIS ZONE LOOKS LIKE A MECHNICAL RUBBLE ZONE BUT MEASURED AS NATURAL
346.50	348.00	1.19	79.3	0.1	6.7		TOP .35M IS MRZ
348.00	349.50	1.44	96	0	0		THIS ZONE LOOKS LIKE A MECHNICAL RUBBLE ZONE BUT MEASURED AS NATURAL
349.50	351.00	1.32	88	0.1	6.7		THIS ZONE LOOKS LIKE A MECHNICAL RUBBLE ZONE BUT MEASURED AS NATURAL

Gold Canyon

Project	SpringPole			*Hole name*	**SG13-201**
Area	Not Recorded	*Program*	2013	*Length (m)*	349
Claim	1184813	*Hole Type*	Diamond Drill	*Size*	HQ
Drill Contractor	Rodren	*Other Hole name*		*Data Origin*	GEO5-LENOVO
Drill Rig	1	*Cassing Pulled*	Unknown	*Data Date*	3/28/2013
Date Started	2/4/2013	*Cassing (m)*		*Data BY*	Geology
Date Finished	2/15/2013				
Logger	Kayla Lanoue	*Log Date*	3/18/2013		
Target					
Hole Comments					
Collar survey Date	2/11/2013	*Survey By*	Maia Matarrese	*Method*	Trimble R8
Survey Notes	RDOP: 1.3; HDOP: 0.8; VDOP: 1.0; HPRE: 0.018m; VPRE: 0.023m; ANT HT(Hrig+Hwhiteice+COBrover): 5.542m				

Collar coordinates

Grid	Name	x	Y	z	Az	Dip
Original	UTM84-15N	549,801.34	5,693,264.61	390.41	135.00	-70.00
Preferred	UTM84-15N	549,801.34	5,693,264.61	390.41	135.00	
Local						
Lat Long						

Down-hole surveys

SurveyDHDesc	mDepth	Dip	AzOrig	AzLocal	AzPref	AzMag	MagField	Remarks
d - Gyro (readings taken u	10.00	-68.92	132.00		132.00			
d - Gyro (readings taken u	20.00	-68.62	132.15		132.15			
d - Gyro (readings taken u	30.00	-69.01	132.39		132.39			
d - Gyro (readings taken u	40.00	-68.77	132.54		132.54			
d - Gyro (readings taken u	110.00	-68.82	132.95		132.95			
d - Gyro (readings taken u	180.00	-69.20	134.33		134.33			
d - Gyro (readings taken u	200.00	-69.20	134.27		134.27			
d - Gyro (readings taken u	250.00	-68.66	134.01		134.01			
d - Gyro (readings taken u	280.00	-68.80	134.15		134.15			
yro (readings taken upwar	0.00	-69.22	132.00		132.00			
yro (readings taken upwar	50.00	-68.82	133.24		133.24			
yro (readings taken upwar	60.00	-68.84	132.91		132.91			
yro (readings taken upwar	70.00	-68.80	133.20		133.20			
yro (readings taken upwar	80.00	-68.76	133.41		133.41			
yro (readings taken upwar	90.00	-68.70	133.03		133.03			
yro (readings taken upwar	100.00	-68.77	132.99		132.99			
yro (readings taken upwar	120.00	-68.88	133.15		133.15			
yro (readings taken upwar	130.00	-69.21	132.50		132.50			
yro (readings taken upwar	140.00	-69.74	132.61		132.61			
yro (readings taken upwar	150.00	-69.60	132.75		132.75			
yro (readings taken upwar	160.00	-69.37	133.56		133.56			
yro (readings taken upwar	170.00	-69.27	133.98		133.98			
yro (readings taken upwar	190.00	-69.26	134.19		134.19			
yro (readings taken upwar	210.00	-69.10	134.62		134.62			
yro (readings taken upwar	220.00	-69.07	134.58		134.58			
yro (readings taken upwar	230.00	-69.01	134.26		134.26			
yro (readings taken upwar	240.00	-68.79	134.07		134.07			
yro (readings taken upwar	260.00	-68.67	134.27		134.27			
yro (readings taken upwar	270.00	-68.73	134.18		134.18			
yro (readings taken upwar	290.00	-68.88	134.53		134.53			

yro (readings taken upwar	300.00	-68.81	135.09		135.09			
yro (readings taken upwar	310.00	-68.71	135.20		135.20			
yro (readings taken upwar	320.00	-68.66	135.29		135.29			
yro (readings taken upwar	330.00	-68.61	135.28		135.28			

Relating Certificates

LabCode	Status	CertName	CertDate	Between	and	SampleGen
SGS	QC-NR	RL1301040	4/23/2013	27.00	250.00	0
SGS	QC-NR	RL1301062	4/23/2013	250.00	339.00	0

Control Samples

SampleID	mFrom	mTo	SampleCode	SampleGen	Au_ppm	WtRecvd_kg	Au_CertName
79925	45.00	47.00	2-DUPF	0	0.10	3.60	RL1301040
80031	238.00	240.00	2-DUPF	0	0.16	2.70	RL1301040
80068	312.00	314.00	2-DUPF	0	0.02	3.50	RL1301062
79946	83.00	85.00	2-DUPL	0	0.12	2.50	RL1301040
79970	125.00	128.00	2-DUPL	0	0.02	2.90	RL1301040
79997	176.00	178.00	2-DUPL	0	0.70	3.10	RL1301040
80006	192.00	194.00	2-DUPL	0	0.35	3.00	RL1301040
79918	35.00		Blk-BL9	0	0.00	1.30	RL1301040
79952	95.00		Blk-BL9	0	0.00	1.30	RL1301040
79988	162.00		Blk-BL9	0	0.00	1.20	RL1301040
80028	236.00		Blk-BL9	0	0.00	2.20	RL1301040
80072	320.00		Blk-BL9	0	0.00	1.20	RL1301062
79933	61.00		Std-2G-GS	0	2.35	0.10	RL1301040
79965	119.00		Std-5G-GS	0	4.57	0.10	RL1301040
80014	208.00		Std-High	0	1.67	0.05	RL1301040
80044	270.50		Std-Low	0	0.33	0.05	RL1301062
80065	310.00		Std-Mid	0	0.75	0.06	RL1301062

Number of entries per table

Litho	Alt	Minz	Geotech	Struct	Vein	Photos	Scans
12	19	28	208	153	6	0	0

Springpole Project

Lithologic and Structural Code Identifiers for Loggers

	Color
BLK	Black
BLU	Blue
BRN	Brown
GRN	Green
GRY	Gray
ORG	Orange
PNK	Pink
PUR	Purple
RED	Red
WHT	White
YLW	Yellow

	Color Intesity
LT	Light
MD	Medium
DK	Dark

	Lithologies
AND	Andesite
TRA	Trachyte
POR	Porphyry Dyke
MSD	Metasediments
MSC	Metasedimentary Conglomerate
BIF	Banded Iron Formation
VBX	Volcanic breccia
LAM	Lamprophyre dyke
CRB	Carbonatite
MSM	Muscovite Seam
TUF	Tuff
QPD	Quartz Porphyry Dike
NRC	No recovered core
OBN	Overburden
IND	Indeterminate

	Alteration
ALB	Albite
ARG	Argillic
BIO	Biotite
CHL	Chlorite
EPI	Epidote
FEX	Iron Oxide
GOE	Goetite
HEM	Hematite
JAR	Jarosite
KSP	K-feldspar
POT	Potatssic
SER	Sericite
SIL	Silica
TAL	Talc

	Accessory Minerals
AG	Silver
AU	Gold
CHP	Chalcopyrite
FLU	Fluorite
GAL	Galena
MAR	Marcasite
PYH	Pyrrhotite
ROE	Roscoelite
SPH	Sphalerite
TOU	Tourmaline

Sulfides (Pyrite %)
<1%
1-5%
5-10%
10-15%
>15%

	Textures
APH	Aphanitic
FGN	Fine Grained
MGN	Medium Grained
CGN	Coarse Grained
PRP	Porphyritic
MEG	Megacrystic
BIM	Bimodal
BX	Breccia
CBX	Chaotic Breccia
KBX	Crackle Breccia
MBX	Mosaic Breccia
MYL	Mylonitic
SCH	Schistose

	Intensity Scale (%)
	Void Space, Magnetism, Alteration, CaCO3, Closed Structures
1	Very Weak (1-5%)
2	Weak (5-15%)
3	Moderate (15-30%)
4	Strong (30-60%)
5	Intense (<60%)

	Structures
BD	Bedding
CN	Contact
FL	Fault
JN	Joint
FR	Fracture
LN	Lineation
SH	Shear
FO	Foliation

	Strength
1	Clay
2	Sand
3	Very soft rock
4	Soft rock
5	Moderately soft rock
6	Moderately hard rock
7	Hard rock
8	Very hard rock
9	Extremely hard rock

	Fracture Density	
1	Very Slightly Fractured	(>1 m)
2	Slightly Fractured	(0.3-1.0 m)
3	Moderately Fractured	(0.1-0.3 m)
4	Intensely Fractured	(<0.1 m)
5	Very Intensely Fractured (rubble)	

	Vein Type
QTZ	Quartz
BIO	Biotite
CAR	Carbonate
EPI	Epidote
FLU	Fluorite
GYP	Gypsum
SUL	Sulfide

	Vein Accessory Minerals
B	Biotite
C	Calcite
D	Dolomite
E	Epidote
F	Fluorite
G	Gypsum
P	Pyrite
Q	Quartz
S	Sulfides

Project: SpringPole
Area: Not Recorded
Claim: 1184813

Gold Canyon
Program: 2013
Logger: Kayla Lanoue

Hole name: SG13-201
Length (m): 349

Assays				Litho				
Depth (m)	SampleID	Au (ppm)	Ag (ppm)	Depth (m)	Lith1	Txtr2	Txtr2	Comments
27.00	NoSample195			26.70	WTR			water
				26.90	OBN			overburden
CertName= RL1301040								
29.00	79914	0.005						
31.00	79915	0.02						
33.00	79916	0.03						
35.00	79917	0.01						
37.00	79919	0.005						
39.00	79920	0.005						
41.00	79921	0.005						
43.00	79922	0.005						
45.00	79923	0.005						
47.00	79924	0.1						
49.00	79926	0.13						
51.00	79927	0.6						
53.00	79928	0.31						
55.00	79929	0.16						
57.00	79930	0.1						27.0-138.0m: Andesite, coarse to fine-grained. Core is grayish green, moderately altered throughout groundmass. Biotite is platy and follows closely with localized foliation at approximately sixty degrees to core axis, often showing plate alignment. Chlorite alteration is inferred due to green tint present in core. Core is moderately fractured/broken with many surfaces coated in very fine-grained to clayey material. Grain size ranges from less than 1mm to over 3.0mm with distribution varying on a meter-scale. Void space is variable averaging a weak-moderate overall intensity, and voids are not consistently aligned with foliation. No visible sulfides. Irregularly shaped black magnetite crystals less than 1mm across are scattered through core. Zone of carbonate reactivity to 10% HCl acid occurs from 30-32m where core is very crumbly/soft and of a distinctly lighter gray color; upper and lower contacts in this zone are fairly sharp. 40.0-59.0m: Decreased void space and appearance of visible sulfides. Sulfides tend to be concentrated in void spaces and on fracture surfaces. 44.7m: Local sulfide concentration on fracture surface, pyrite cubes up to 1mm across. 51.5-52.4m: Intensely altered zone with moderate orange iron oxide staining as well as green/red/brown clay. Core is very weak and crumbly. Major joint surfaces within zone are coated with up to 1cm of soft, platy, dark green mineral; possibly chlorite +/- clay. Zone may be a fault or fluid pathway (?). Contacts to either side are gradational over about 10cm. 60.0-79.0m: Void space and very fine-grained sulfides pervasive. Rare sulfide concentration in voids/fractures. Occasional moderate to intense foliation at approximately sixty degrees to core axis, intensity varies at meter scale. Reduction of green tint implies less intense chlorite alteration. Core is occasionally crossed by white, partially dissolved quartz blebs/stringers parallel to foliation/stress direction. 62.0m: 10cm long interval of soft green clayey material (gouge?) bounded by joint downhole and irregular contact uphole. Potential fault/pathway. 75.0-79.0m: Andesite is very fine-grained and intensely foliated/sheared at approximately sixty degrees to core axis. 80-99.0m: Grain size ranges from 1-3mm. Occasional subrounded white phenocrysts up to 2mm across visible in gray-green groundmass. 82.0m: 10cm long gougy interval filled with olive green clayey material, weak orange iron-oxide staining. Bounded by competent core. 85.0-97.0m: Core is increasingly broken/friable. Clayey, micaceous gray-green coating is commonly found on fracture surfaces. Breaks along foliation and voids most often observed.
59.00	79931	0.27						
61.00	79932	0.13						
63.00	79934	0.26						
65.00	79935	0.12						
67.00	79936	0.1						
69.00	79937	0.17						
71.00	79938	0.23						
73.00	79939	0.09						
75.00	79940	0.07						
77.00	79941	0.03						
79.00	79942	0.04						
81.00	79943	0.08			AND	CGN	FGN	
83.00	79944	0.04						
85.00	79945	0.09						
87.00	79947	0.04						
89.00	79948	0.06						

Project: SpringPole
Area: Not Recorded
Claim: 1184813

Gold Canyon
Program: 2013
Logger: Kayla Lanoue

Hole name: SG13-201
Length (m): 349

Assays				Litho				
Depth (m)	SampleID	Au (ppm)	Ag (ppm)	Depth (m)	Lith1	Txtr2	Txtr2	Comments
								along foliation and voids most often observed.
91.00	79949	0.25						94.4m: Irregular vein/void filled with 1-5mm yellow calcite crystals of slightly rounded/domed shape. Void is mostly crushed, bounded uphole by rubbly chlorite-rich material and downhole by competent core crossed by a series of discontinuous 3-8mm wide veins of white and yellow calcite.
93.00	79950	0.04						100.0-119.0m: Fewer intervals of fine-grained material; core contains 1-3mm wide white subrounded phenocrysts oriented parallel to fabric. Voids tend to be roughly aligned with fabric. Many partially dissolved quartz-carbonate veins/veinlets, often discontinuous, cross core at multiple orientations. Overall reduction in chlorite alteration intensity with depth inferred due to weakened green tint.
95.00	79951	0.05						111.0m: Approximate end of visible magnetite grains.
97.00	79953	0.005						116.7m: Very fine-grained galena crystals coat joint surface.
99.00	79954	0.04						117.0-119.0m: Weak iron oxide staining through core and on broken surfaces.
101.00	79955	0.13						120.0-138.0m: Decreased grain size after 130m making core very fine-grained and more gray than green in color.
103.00	79956	0.9						
105.00	79957	0.08						
107.00	79958	0.03						
109.00	79959	0.03						
111.00	79960	0.24						
113.00	79961	0.2						
115.00	79962	0.35						
117.00	79963	0.14						
119.00	79964	0.14						
121.00	79966	0.21						
123.00	79967	0.11						
125.00	79968	0.05						
128.00	79969	0.02						
130.00	79971	0.02						
132.00	79972	0.14						
134.00	79973	0.2						
136.00	79974	0.08						
138.00	79975	0.09		138.00				
140.00	79976	0.08						
142.00	79977	0.03						138.0-148.1m: Gradational contact becomes defined volcanic breccia with weak crackle breccia texture after 138.0m. Core no longer has greenish coloration and evidence of white phenocrysts observed in overlying unit is absent. Light tan clasts/alteration overprinting are visible within a dark gray matrix. Light green sericite (?) alteration locally visible as wisps in aphanitic matrix. Pervasive biotite alteration and very fine-grained sulfides are found throughout matrix. Increased biotite alteration may be cause of darker matrix color. Magnetic properties and carbonate content are unchanged from above unit.
144.00	79978	0.24			VBX	KBX		144.0-148.1m: Shear intensity increases, stress at approximately sixty degrees to core axis.
146.00	79979	0.07						145.0-146.0m: Iron oxide staining on and through core occurs along with lime green clayey coatings on fracture surfaces.
148.00	79980	0.2						
150.00	79981	0.51		148.10				
152.00	79982	0.57						148.1-162.0m: Sheared contact followed by coarse-grained andesite. Moderately foliated unit contains white subrounded phenocrysts 1-

Project: SpringPole
Area: Not Recorded
Claim: 1184813

Gold Canyon
Program: 2013
Logger: Kayla Lanoue

Hole name: SG13-201
Length (m): 349

Assays				Litho				
Depth (m)	SampleID	Au (ppm)	Ag (ppm)	Depth (m)	Lith1	Txtr2	Txtr2	Comments
154.00	79983	0.79						3mm across. Void space intensity is weak but pervasive. Very fine-grained sulfides are disseminated throughout unit. Occasional partially dissolved quartz-carbonate veinlets cross core.
156.00	79984	1.24			AND	CGN		152.5-153.7m: Core is very broken/crumbly in several places. Presence of green and red-brown expanding clays along with rounded gravel/rubble appears to indcate faulting.
158.00	79985	1.03						160.0-162.0m: Gradual change in visual appearance of core indicates a gradational contact; color becomes darker and grains disappear.
160.00	79986	2.03						
162.00	79987	0.64		162.00				
164.00	79989	0.51						
166.00	79990	0.79						
168.00	79991	0.96						
170.00	79992	1.01						
172.00	79993	0.43						
174.00	79994	0.6						
176.00	79995	0.54						
178.00	79996	0.55						
180.00	79998	0.6						
183.00	79999	0.18						
185.00	80000	0.19						
186.00	80001	0.54						
188.00	80002	0.5						
190.00	80003	0.41						
192.00	80004	0.53						162.0-263.0m: Brecciation becomes evident; weak crackle texture is occasionally present in small clasts/intervals and veinlets are offset/broken. Sulfides are very fine-grained and disseminated throughout core. Low-intensity void space is pervasive. Placement of this brecciated unit may indicate the presence of a major structure such as a fault, implying increased alteration intensity and not a change in lithology (?). Biotite alteration is pervasive. Occasional orange iron oxide staining observed on fracture surfaces, on core, through veins, and in voids. Most veins and veinlets are partially dissolved and/or broken and found parallel to fractures. Many clasts appear partially assimilated and may have been coarse-grained intrusives. White, euhedral (rectangular) phenocrysts up to 10mm long observed rarely.
194.00	80005	0.3						171.0m: Number of short (0.5-1.0m) rubble zones increases, occurring every 2-3m. Rubble is coated with gray, clayey material +/- orange iron oxide staining and very fine-grained, sugary pink mineral (unknown). These short zones continue for the next 40.0m.
196.00	80007	0.47						180.0-199.0m: Core is increasingly rubbly/blocky. Pervasive void space and increased disseminated sulfides throughout. Occasional orange iron oxide staining is usually associated with yellow-green clayey coatings on fracture surfaces. Weak crackle breccia texture observed in competent core; most often clasts showing this texture are no more than 2cm across. Clasts of coarse-grained intrusive material 10-30cm across are found at irregular intervals, increasing in number with depth. Unknown pink, sugary mineral coats many fracture surfaces; mineral is soft, very fine-grained, and does not react to 10% HCl acid. Biotite alteration is still pervasive, visible as wisps in matrix and as a platy coating inside voids and on fractures. Weak, pervasive sericite alteration may be source of tan wisps and patches across core.
198.00	80008	0.2						188.0m: Increase in visible sulfides. Very fine-grained, well distributed through core and noticeably more concentrated in void spaces.
200.00	80009	0.11						196.0m: Noteable decrease in void space, sulfide content remains elevated.
202.00	80010	0.31						200.0-219.0m: Iron oxide staining no longer visible in core. Rare strands of blebby pyrite up to 5mm wide cross core parallel to fabric in addition to disseminated very fine-grained sulfides.
204.00	80011	0.28						219.0m: Core gradually darkens in color, suggesting increased biotite alteration (?). Tan patches, up to 10cm across, suggest continued presence of sericite alteration.
206.00	80012	0.25						
208.00	80013	0.35						
210.00	80015	0.2						
212.00	80016	0.31			VBX			
214.00	80017	0.25						
216.00	80018	0.48						
218.00	80019	0.46						
220.00	80020	0.34						
222.00	80021	0.39						

Project: SpringPole
Area: Not Recorded
Claim: 1184813

Gold Canyon
Program: 2013
Logger: Kayla Lanoue

Hole name: SG13-201
Length (m): 349

Assays				Litho				
Depth (m)	SampleID	Au (ppm)	Ag (ppm)	Depth (m)	Lith1	Txtr2	Txtr2	Comments
224.00	80022	0.23						224.0-238.0m: Core broken/rubbly, void space increased. Most pieces are less than 10cm long, and texture/alteration are difficult to discern. Assumed to be consistent with above description. Evidence of clasts of megacrystic intrusive unit visible in places, inferred due to presence of 2-6mm pale phenocrysts in rubble. 239.0m: Core regains competency, clasts of intrusive material much more abundant. 250.0-260.0m: Core very broken, rubble rich in very fine-grained sulfides. 253.0m: Some joint surfaces coated with very fine gray-white carbonate, previously not observed in this interval.
226.00	80023	0.34						
228.00	80024	0.28						
231.00	80025	0.25						
234.00	80026	0.28						
236.00	80027	0.31						
238.00	80029	0.18						
240.00	80030	0.16						
242.00	80032	0.35						
244.00	80033	0.3						
246.00	80034	0.44						
248.00	80035	0.32						
250.00	80036	0.15						
CertName= RL1301062								
252.00	80037	0.17						
254.00	80038	0.36						
256.00	80039	0.92						
258.00	80040	0.76						
261.00	80041	1.04		260.00				
264.00	80042	1.57		263.00	VBX	DEC		260.0-263.0m: Core is crumbly, incompetent, and rich in fine-grained sulfides. Bounded by competent core uphole and bearing a strong resemblance to "mush rock."
				265.50	NRC			
267.00	oSampleSprgP16			267.00	Sand			
CertName= RL1301062								
270.50	80043	0.59						267.0-314.1m: Volcanic breccia, as above. Interval following sand is lighter in color and has strong fabric running sixty to eighty degrees to core axis. Fabric ends at 272m and void space increases overall. Fabric returns at 275m along with prominent tan overprinting/alteration which may indicate increased sericite? Sulfides are very fine-grained and disseminated throughout with slightly higher concentrations in void spaces. 273.5-275.5m: Brief interval of "leached" competent core of pale green-gray color containing hairline biotite and outlines of clasts and
272.00	80045	0.48						
274.00	80046	0.82						
276.00	80047	0.16						
278.00	80048	0.75						
280.00	80049	0.79						
282.00	80050	0.58						
284.00	80051	0.23						
286.00	80052	0.36						

Project: SpringPole
Area: Not Recorded
Claim: 1184813

Gold Canyon
Program: 2013
Logger: Kayla Lanoue

Hole name: SG13-201
Length (m): 349

Assays				Litho				
Depth (m)	SampleID	Au (ppm)	Ag (ppm)	Depth (m)	Lith1	Txtr2	Txtr2	Comments
288.00	80053	0.13						275.5-275.5m: Brief interval of "leached" competent core of pale green-gray color containing hairline biotite and outlines of clasts and phenocrysts as in above intervals. Contains one partially dissolved, discontinuous white quartz veinlet. Presence of similar textures suggests that this is a small zone of intense alteration within the same volcanic breccia interval as above and below; alteration contacts are relatively sharp. 280.0-299.0m: Void space decreases after 282m. Increase in white wispy carbonate stringers throughout core along with appearance of irregular, discontinuous veins and blebs of pink/white milky quartz/carbonate and black tourmaline. Clasts and milled phenocrysts from coarser-grained intrusives are still present but appear to decrease in frequency with depth. Pervasive weak to moderate fabric at approximately sixty to eighty degrees to core axis. 285.5m: Quartz-carbonate bleb (3cm across) containing 1mm blades of black tourmaline; blades oriented perpendicular to edges of bleb. 298.1m: 2cm wide irregular quartz-carbonate bleb containing irregular 1-3mm tourmaline crystals. Core color begins to lighten at this depth displaying patches of tan that may indicate increased sericite alteration. 307.0m: Core becomes darker in overall color. 307.8m: Irregular/fragmented vein of pink quartz, white carbonate, and black tourmaline blebs as described at 298.1m.
290.00	80054	0.33						
292.00	80055	0.3						
294.00	80056	0.11			VBX			
296.00	80057	0.19						
298.00	80058	0.29						
300.00	80059	0.28						
302.00	80060	0.08						
304.00	80061	0.08						
306.00	80062	0.51						
308.00	80063	0.1						
310.00	80064	0.1						
312.00	80066	0.05						
314.00	80067	0.03						
				314.10				
	80069	0.08		316.50	POR	MEG		314.1-316.5m: Short interval (likely a large clast) of megacrystic feldspar porphyry. Groundmass is pale gray with green patches and contains white to pale pink milled phenocrysts 1-3mm across. Pink/orange phenocryst discoloration may suggest potassium feldspar alteration within this clast/interval. Contacts are gradational over about 8cm up and downhole.
316.60								
318.00	80070	0.02						316.5-339.0m: Volcanic breccia as described above. Dark gray matrix contains occasional clasts of unknown brecciated material and megacrystic porphyry bcoming rarer with depth. Biotite and sericite alteration are pervasive, expressed as described above in matrix and as overprinting. Void space present, but weak and intermittent. Occasional bands of carbonate-rich material are less than 10cm wide and appear to be strongly strained/sheared at almost ninety degrees to core axis. 325.0m: Epidote-rich (?) clast of carbonate material, 6cm wide. Very fine-grained, crosscut by pale grayish white quartz-carbonate stringers. Contains no sulfides.
320.00	80071	0.05						
322.00	80073	0.1						
324.00	80074	0.03						
326.00	80075	0.04						
328.00	80076	0.09			VBX			
330.00	80077	0.07						
332.00	80078	0.18						
334.00	80079	0.08						
336.00	80080	0.03						
338.00	80081	0.26						
339.00	80082	0.1		339.00				
349.00	No Data							

Project: SpringPole
Area: Not Recorded

Gold Canyon
Program: 2013
Logger: Kayla Lanoue

Hole name: SG13-201
Length (m): 349

Mineralization

mFrom	mTo	Pyrite_Pct	Min1	Min1_Pct	Min2	Min2_Pct	Comments
40.00	56.00	0.5	Mag	0.5			
56.00	59.00	0.5	Mag	0.5			
59.00	76.00	0.5	Mag	0.5			
76.00	80.00	0.5	Mag	0.5			
80.00	87.00	0.5	Mag	0.5			
87.00	93.00	0.5	Mag	0.5			
93.00	100.00	0.5	Mag	0.5			
100.00	120.00	0.5	Mag	0.5	GAL	0.5	End magnetite at 111.0m, galena occurs in vein at 116.7m
120.00	122.00	0.5					
122.00	144.00	0.5					
144.00	186.00	0.5					
186.00	188.00	0.5					
188.00	249.00	3					
249.00	251.00	0.5					
251.00	265.50	3					
265.50	267.00	7.5					sulfide-rich sand interval
267.00	271.00	3					
271.00	275.00	0.5					
275.00	284.00	3					
284.00	286.00	3	TOU	0.5			tourmaline at 285.5m
286.00	303.00	0.5	TOU	0.5			tourmaline at 298.1m
303.00	311.00	0.5	TOU	0.5			tourmaline at 307.8m
311.00	314.10	0.5					
314.10	316.50	0.5					
316.50	318.00	3					
318.00	320.00	3					
320.00	329.00	3					
329.00	339.00	3					

Project: SpringPole
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Gold Canyon
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Length (m): 349

Veins

mDepth	mWidth	Vein1	Vein1_AlphaAngle	Vein1_Min1	Vein1_Min2	Vein1_Min3	Comments
41.10	0.01	QTZ	40	P			Fragmented/vuggy milky quartz vein with minor very fine-grained pyrite in void spaces; roughly parallel to local fabric.
88.60	0.05	QTZ					Remains of milky pink bull quartz vein, redrilled. May have been 3-5cm wide, adjacent to clayey altered zone downhole.
118.20	0.02	QTZ	65	C			Vuggy white quartz vein parallel to foliation with 1mm black biotite selvages, moderate iron oxide staining of internal voids, sugary white carbonate mostly within void spaces.
131.10	0.00	SUL	70	P			Very fine euhedral crystals of galena and pyrite make up vein with minor iron oxide staining on surfaces; may be vein or fracture surface coating.
200.10	0.01	QTZ	48	C			Milky pink vuggy quartz vein, broken. Contains weak white sugary carbonate blebs, no sulfides.
334.30	0.00	QTZ	65	C			Irregular quartz-carbonate vein containing milky pink quartz and sugary white carbonate, hairline black biotite rims, and trace amount of very fine-grained sulfides within.

Project: SpringPole
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Gold Canyon
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Hole name: SG13-201
Length (m): 349

Alteration

mFrom	mTo	Alt1	Int	Alt2	Int	Alt3	Int	Alt4	Int	Comments
27.00	51.50	CHL	3	BIO	3					
51.50	52.40	FEX	3	ARG	3					
52.40	60.00	BIO	3	CHL	3					
60.00	117.00	BIO	3	CHL	2					
117.00	119.00	BIO	3	CHL	1					
119.00	138.00	BIO	3							
138.00	148.10	BIO	3	SER	2					
148.10	160.00	BIO	3	SER	1					
160.00	162.00	BIO	3	SER	2					
162.00	183.00	BIO	3	SER	1	FEX	1			
183.00	219.00	BIO	3	SER	1					
219.00	260.00	BIO	4	SER	2					
260.00	263.00	BIO	3	SER	3					
267.00	273.50	BIO	3	SER	1					
273.50	275.50	BIO	3	KSP	1					
275.50	280.00	BIO	3	SER	2					
280.00	298.00	BIO	4	SER	2					
298.00	314.10	BIO	4	SER	3					
314.10	316.50	SER	2	KSP	1	BIO	1			

Project: SpringPole
Area: Not Recorded

Gold Canyon
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Logger: Kayla Lanoue

Hole name: SG13-201
Length (m): 349

Color

mFrom	mTo	Color1	Int	Color2	Comments
27.00	51.50	GRY	MD	GRN	andesite
51.50	52.40	GRN		ORG	iron oxide staining
52.40	60.00	GRY	MD	GRN	andesite
60.00	100.00	GRY	MD		andesite
100.00	130.00	GRY	MD	GRN	andesite
130.00	138.00	GRY	MD		andesite
138.00	148.10	GRY	DK	TAN	volcanic breccia
148.10	162.00	GRY	DK		andesite
162.00	219.00	GRY	MD	TAN	volcanic breccia
219.00	240.00	GRY	DK	TAN	volcanic breccia
240.00	263.00	GRY	DK		volcanic breccia
265.50	267.00	TAN		BRN	sand
267.00	273.50	GRY	MD	TAN	volcanic breccia
273.50	275.50	GRY	LT	GRN	leached volcanic breccia
275.50	280.00	GRY	MD	TAN	volcanic breccia
280.00	298.00	GRY	DK	TAN	volcanic breccia
298.00	307.00	GRY	LT	TAN	volcanic breccia
307.00	314.10	GRY	DK		volcanic breccia
314.10	316.50	GRY	MD	PNK	megacrystic porphyry
316.50	339.00	GRY	DK	WHT	volcanic breccia

Project: SpringPole
Area: Not Recorded

Gold Canyon
Program: 201
Logger: Kayla Lanoue

Hole name: SG13-201
Length (m): 349

Carbonate and Void Space

mFrom	mTo	Void_pctCod	Carb_IntCod	Comments
27.00	30.00	3	0	
30.00	32.00	3	2	
32.00	40.00	3	0	
40.00	45.00	1	0	
45.00	49.00	0	3	
49.00	55.00	2	0	
55.00	56.00	0	3	
56.00	62.00	2	0	
62.00	65.00	3	0	
65.00	71.00	2	0	
71.00	76.00	3	0	
76.00	79.00	1	0	
79.00	91.00	2	0	
91.00	94.00	2	1	
94.00	99.00	1	2	
99.00	108.00	1	0	
108.00	109.00	2	0	
109.00	129.00	1	0	
129.00	132.00	0	3	
132.00	133.00	2	3	
133.00	136.00	0	3	
136.00	138.00	0	2	
138.00	148.10	0	0	
148.10	150.00	1	1	
150.00	155.00	1	0	
155.00	156.00	0	0	
156.00	157.00	0	3	
157.00	159.00	0	0	
159.00	163.00	1	0	
163.00	164.00	1	1	
164.00	167.00	1	0	
167.00	177.00	2	0	
177.00	180.00	3	0	
180.00	196.00	2	0	

Project: SpringPole
Area: Not Recorded

Gold Canyon
Program: 201
Logger: Kayla Lanoue

Hole name: SG13-201
Length (m): 349

Carbonate and Void Space

mFrom	mTo	Void_pctCod	Carb_IntCod	Comments
196.00	201.00	1	0	
201.00	202.00	2	0	
202.00	224.00	1	0	
224.00	226.00	2	0	
226.00	227.00	3	0	
227.00	230.00	4	0	
230.00	237.00	2	0	
237.00	241.00	1	0	
241.00	243.00	1	2	
243.00	245.00	1	0	
245.00	248.00	0	0	
248.00	263.00	1	0	
265.50	267.00	0	0	
267.00	276.00	1	0	
276.00	277.00	2	1	
277.00	280.00	2	2	
280.00	282.00	2	2	
282.00	292.00	0	4	
292.00	300.00	0	3	
300.00	304.00	1	2	
304.00	307.00	1	3	
307.00	312.00	0	3	
312.00	314.10	1	3	
314.10	316.50	1	2	
316.50	318.00	1	3	
318.00	323.00	0	3	
323.00	324.00	1	3	
324.00	333.00	0	3	

Project: SpringPole
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Hole name: SG13-201
Length (m): 349

Geotech

mFrom	mTo	Recov_m	Recov_pct	RQD_m	RQD_pct	StrengthCo	Comments
26.85	27.00	0.15	100	0	0		Granitic and andesitic rubbly overburden
27.00	28.50	1.02	68	0.73	48.7		Between minor and moderate sericite alteration.
28.50	30.00	1.35	90	0.7	46.7		
30.00	31.50	1.1	73.3	0.48	32		
31.50	33.00	1.24	82.7	0.41	27.3		Strong CHL alteration pervasive
33.00	34.50	1.35	90	0.41	27.3		
34.50	36.00	1.41	94	0.14	9.3		Fractured through center of core axis.
36.00	37.50	1.57	104.7	1.4	93.3		
37.50	39.00	1.34	89.3	0.79	52.7		NO VISIBLE FOLIATION
39.00	40.50	1.48	98.7	0.85	56.7		Texture goes from mg to aph with FeOX blebs (honeycomb)
40.50	42.00	1.38	92	1.31	87.3		
42.00	43.50	1.53	102	0.75	50		
43.50	45.00	1.47	98	1.47	98		
45.00	46.50	1.54	102.7	1.54	102.7		
46.50	48.00	1.36	90.7	1.36	90.7		
48.00	49.50	1.56	104	1.54	102.7		
49.50	51.00	1.4	93.3	1.3	86.7		
51.00	52.50	1.19	79.3	0.2	13.3		Severly altered
52.50	54.00	1.45	96.7	1.13	75.3		
54.00	55.50	1.57	104.7	1.52	101.3		
55.50	57.00	1.4	93.3	1.36	90.7		
57.00	58.50	1.38	92	1.3	86.7		
58.50	60.00	1.45	96.7	1.25	83.3		
60.00	61.50	1.48	98.7	0.93	62		ORIENTED CORE STARTING AT 60.0M.
61.50	63.00	1.37	91.3	1.13	75.3		
63.00	64.50	1.48	98.7	1.35	90		RETAKE PHOTO
64.50	66.00	1.37	91.3	0.99	66		
66.00	67.50	1.42	94.7	1.38	92		
67.50	69.00	1.42	94.7	1.08	72		
69.00	70.50	1.46	97.3	1.29	86		UPHOLE AND DOWNHOLE ORIENTAION MARKED ENDS DO NOT MATCH WELL WITH THE REST OF THIS RUN.
70.50	72.00	1.46	97.3	1.38	92		
72.00	73.50	1.41	94	0.78	52		
73.50	75.00	1.35	90	0.55	36.7		DRAW ORIENTATION LINE

Project: SpringPole
Area: Not Recorded

Gold Canyon
Program: 2013
Logger: Kayla Lanoue

Hole name: SG13-201
Length (m): 349

Geotech

mFrom	mTo	Recov_m	Recov_pct	RQD_m	RQD_pct	StrengthCo	Comments
75.00	76.50	1.56	104	0.65	43.3		
76.50	78.00	1.38	92	0.2	13.3		TRACHYTE OR FG BEDDED MS. CUT CORE TO FIGURE IT OUT
78.00	79.50	1.3	86.7	0.48	32		
79.50	81.00	1.4	93.3	0.59	39.3		
81.00	82.50	1.56	104	0.25	16.7		
82.50	84.00	1.48	98.7	0.94	62.7		
84.00	85.50	1.54	102.7	0.75	50		
85.50	87.00	1.47	98	0.88	58.7		
87.00	88.50	1.58	105.3	1.58	105.3		
88.50	90.00	1.43	95.3	0.84	56		
90.00	91.50	1.45	96.7	0.48	32		
91.50	93.00	1.42	94.7	1.42	94.7		
93.00	94.50	1.32	88	0.34	22.7		2-5mm Siderite vein with euhedral brown/tan xtals at bottom of run, truncates gouge zone
94.50	96.00	1.36	90.7	0.73	48.7		
96.00	97.50	1.42	94.7	1.29	86		
97.50	99.00	1.51	100.7	1.23	82		
99.00	100.50	1.47	98	1.28	85.3		
100.50	102.00	1.4	93.3	0.75	50		
102.00	103.50	1.41	94	1.35	90		
103.50	105.00	1.51	100.7	1.29	86		
105.00	106.50	1.53	102	0.48	32		FO ANGLE EST FROM FABRIC
106.50	108.00	1.4	93.3	0	0		FO ANGLE EST FROM FABRIC
108.00	109.50	1.51	100.7	0.34	22.7		
109.50	111.00	1.35	90	0.94	62.7		
111.00	112.50	1.5	100	0.49	32.7		
112.50	114.00	1.15	76.7	1.11	74		
114.00	115.50	1.43	95.3	1.09	72.7		
115.50	117.00	1.43	95.3	0.85	56.7		
117.00	118.50	1.48	98.7	0.14	9.3		
118.50	120.00	1.5	100	0.68	45.3		
120.00	121.50	1.3	86.7	0	0		
121.50	123.00	1.31	87.3	1.2	80		
123.00	124.50	1.51	100.7	0.84	56		

Project: SpringPole
Area: Not Recorded

Gold Canyon
Program: 2013
Logger: Kayla Lanoue

Hole name: SG13-201
Length (m): 349

Geotech

mFrom	mTo	Recov_m	Recov_pct	RQD_m	RQD_pct	StrengthCo	Comments
124.50	126.00	1.1	73.3	0	0		Mostly broken
126.00	127.50	0.92	61.3	0.18	12		
127.50	129.00	1.15	76.7	0.59	39.3		
129.00	130.50	1.36	90.7	0.84	56		
130.50	132.00	1.54	102.7	1.54	102.7		
132.00	133.50	1.49	99.3	1.39	92.7		
133.50	135.00	1.62	108	1.54	102.7		
135.00	136.50	1.57	104.7	1.57	104.7		
136.50	138.00	1.32	88	1.22	81.3		
138.00	139.50	1.51	100.7	1.51	100.7		
139.50	141.00	1.47	98	1.47	98		
141.00	142.50	1.59	106	1.54	102.7		
142.50	144.00	1.53	102	1.53	102		
144.00	145.50	1.55	103.3	1.35	90		
145.50	147.00	1.48	98.7	1.48	98.7		
147.00	148.50	1.52	101.3	1.22	81.3		
148.50	150.00	1.43	95.3	1.23	82		
150.00	151.50	1.59	106	1.56	104		
151.50	153.00	1.45	96.7	0.96	64		ORIENTATION IS NM
153.00	154.50	1.56	104	1.21	80.7		
154.50	156.00	1.46	97.3	1.46	97.3		
156.00	157.50	1.61	107.3	1.61	107.3		
157.50	159.00	1.46	97.3	1.41	94		
159.00	160.50	1.55	103.3	1.55	103.3		
160.50	162.00	1.33	88.7	1.13	75.3		
162.00	163.50	1.53	102	1.53	102		VOLCANIC BX-->TRACHYTIC FRAGS MOSTLY ASSIMILIATED
163.50	165.00	1.45	96.7	1.4	93.3		CLASTS
165.00	166.50	1.48	98.7	1.41	94		CLASTS
166.50	168.00	1.52	101.3	1.17	78		CLASTS
168.00	169.50	1.41	94	1.11	74		CLASTS
169.50	171.00	1.39	92.7	0.3	20		GRAIN/CLAST
171.00	172.50	1.38	92	0.76	50.7		
172.50	174.00	1.51	100.7	1.34	89.3		
174.00	175.50	1.47	98	1.03	68.7		

Project: SpringPole
Area: Not Recorded

Gold Canyon
Program: 2013
Logger: Kayla Lanoue

Hole name: SG13-201
Length (m): 349

Geotech

mFrom	mTo	Recov_m	Recov_pct	RQD_m	RQD_pct	StrengthCo	Comments
175.50	177.00	1.41	94	0.47	31.3		
177.00	178.50	1.55	103.3	1.03	68.7		
178.50	180.00	1.43	95.3	0.5	33.3		
180.00	181.50	0.95	63.3	0.17	11.3		
181.50	183.00	1.41	94	0.73	48.7		
183.00	184.50	1.49	99.3	0.2	13.3		
184.50	186.00	1.45	96.7	0.71	47.3		
186.00	187.50	1.55	103.3	0.9	60		
187.50	189.00	1.33	88.7	0.12	8		
189.00	190.50	1.41	94	0.57	38		
190.50	192.00	1.41	94	0.38	25.3		
192.00	193.50	1.48	98.7	0.6	40		
193.50	195.00	1.25	83.3	0.56	37.3		
195.00	196.50	1.47	98	0.4	26.7		
196.50	198.00	1.53	102	1.46	97.3		
198.00	199.50	1.58	105.3	1.48	98.7		
199.50	201.00	1.44	96	1.24	82.7		
201.00	202.50	1.59	106	1.59	106		
202.50	204.00	1.28	85.3	0.86	57.3		
204.00	205.50	1.58	105.3	1.58	105.3		
205.50	207.00	1.38	92	1.38	92		
207.00	208.50	1.56	104	1.51	100.7		
208.50	210.00	1.48	98.7	1.08	72		
210.00	211.50	1.52	101.3	1.02	68		
211.50	213.00	1.46	97.3	1.36	90.7		
213.00	214.50	1.5	100	1.05	70		
214.50	216.00	1.54	102.7	1.06	70.7		
216.00	217.50	1.51	100.7	1.14	76		
217.50	219.00	1.43	95.3	1.12	74.7		
219.00	220.50	1.57	104.7	1.57	104.7		
220.50	222.00	1.46	97.3	1.38	92		
223.50	225.00	1.03	68.7	0.24	16		
225.00	226.50	1.31	87.3	0.11	7.3		
226.50	228.00	1.43	95.3	0.33	22		

Project: SpringPole
Area: Not Recorded

Gold Canyon
Program: 2013
Logger: Kayla Lanoue

Hole name: SG13-201
Length (m): 349

Geotech

mFrom	mTo	Recov_m	Recov_pct	RQD_m	RQD_pct	StrengthCo	Comments
228.00	229.50	1.32	88	0	0		
229.50	231.00	0.49	32.7	0	0		Poor recovery; broken gravel.
231.00	232.50	1.27	84.7	0	0		
232.50	234.00	0.91	60.7	0	0		Gravel
234.00	235.50	1.46	97.3	0.67	44.7		
235.50	237.00	1.46	97.3	0.74	49.3		Looks like it should be oriented by now, but there was no mark
237.00	238.50	1.48	98.7	1.27	84.7		Sharp upper and lower contacts w/ porphyry clast (200mm)
238.50	240.00	1.43	95.3	1.39	92.7		Large clast truncated at bottom of run
240.00	241.50	1.5	100	1.5	100		
241.50	243.00	1.44	96	1.37	91.3		
243.00	244.50	1.54	102.7	1.32	88		
244.50	246.00	1.39	92.7	1.29	86		
246.00	247.50	1.59	106	1.42	94.7		
247.50	249.00	1.43	95.3	1.25	83.3		Clay fill in joint
249.00	250.50	1.42	94.7	1.12	74.7		
250.50	252.00	1.27	84.7	0.21	14		
252.00	253.50	1.45	96.7	0.26	17.3		
253.50	255.00	1.27	84.7	0	0		
255.00	256.50	1.51	100.7	0.95	63.3		
256.50	258.00	1.15	76.7	0.48	32		
258.00	259.50	1.21	80.7	0	0		
259.50	261.00	1.49	99.3	0	0		Could be a natural rubble zone but it looks mechanical
261.00	262.50	0.99	66	0	0		TOP 20 CM LIKELY MRZ
262.50	264.00	0.42	28	0	0		
264.00	265.50	0	0	0	0		NRC
265.50	267.00	0.5	33.3	0	0		SAND
267.00	268.50	0	0	0	0		NRC
268.50	270.00	0	0	0	0		NRC
270.00	271.50	1.42	94.7	1.12	74.7		TOP OF RUN IS RUBBLE FROM CAVE ABOVE
271.50	273.00	1.4	93.3	0.97	64.7		
273.00	274.50	1.5	100	0.24	16		
274.50	276.00	1.45	96.7	1.2	80		
276.00	277.50	1.43	95.3	1.32	88		8CM AT TOP OF RUN = BLACK SANDY CAVE MATERIAL
277.50	279.00	1.56	104	1.39	92.7		

Project: SpringPole
Area: Not Recorded

Gold Canyon
Program: 2013
Logger: Kayla Lanoue

Hole name: SG13-201
Length (m): 349

Geotech

mFrom	mTo	Recov_m	Recov_pct	RQD_m	RQD_pct	StrengthCo	Comments
279.00	280.50	1.4	93.3	1.13	75.3		
280.50	282.00	1.55	103.3	1.33	88.7		
282.00	283.50	1.47	98	1	66.7		
283.50	285.00	1.48	98.7	1.46	97.3		
285.00	286.50	1.57	104.7	1.49	99.3		
286.50	288.00	1.43	95.3	1.33	88.7		
288.00	289.50	1.3	86.7	1.26	84		
289.50	291.00	1.61	107.3	1.31	87.3		
291.00	292.50	1.56	104	1.49	99.3		
292.50	294.00	1.44	96	1.43	95.3		
294.00	295.50	1.47	98	1.1	73.3		
295.50	297.00	1.52	101.3	1.52	101.3		
297.00	298.50	1.46	97.3	1.46	97.3		
298.50	300.00	1.56	104	1.12	74.7		
300.00	301.50	1.43	95.3	1.22	81.3		
301.50	303.00	1.42	94.7	0.8	53.3		
303.00	304.50	1.57	104.7	1.26	84		
304.50	306.00	1.42	94.7	1.34	89.3		
306.00	307.50	1.55	103.3	1.52	101.3		
307.50	309.00	1.31	87.3	1.31	87.3		
309.00	310.50	1.53	102	1.53	102		
310.50	312.00	1.56	104	1.53	102		
312.00	313.50	1.54	102.7	1.42	94.7		
313.50	315.00	1.5	100	1.49	99.3		
315.00	316.50	1.59	106	1.52	101.3		
316.50	318.00	1.32	88	1.17	78		
318.00	319.50	1.45	96.7	1.45	96.7		
319.50	321.00	1.57	104.7	1.57	104.7		
321.00	322.50	1.46	97.3	1.39	92.7		
322.50	324.00	1.54	102.7	0.77	51.3		
324.00	325.50	1.43	95.3	1.16	77.3		
325.50	327.00	1.37	91.3	0.99	66		
327.00	328.50	1.56	104	1.5	100		
328.50	330.00	1.48	98.7	1.41	94		

Project: SpringPole
Area: Not Recorded

Gold Canyon
Program: 2013
Logger: Kayla Lanoue

Hole name: SG13-201
Length (m): 349

Geotech

mFrom	mTo	Recov_m	Recov_pct	RQD_m	RQD_pct	StrengthCo	Comments
330.00	331.50	1.45	96.7	1.42	94.7		
331.50	333.00	1.43	95.3	1.1	73.3		CORE SLIPPED, MRZ BOTTOM 20CM
333.00	334.50	1.52	101.3	1.03	68.7		
334.50	336.00	1.45	96.7	1.45	96.7		
336.00	337.50	1.55	103.3	1.55	103.3		
337.50	339.00	1.39	92.7	1.27	84.7		

Gold Canyon

Project	SpringPole			*Hole name*	**SG13-202**
Area	Not Recorded	*Program*	2013	*Length (m)*	351
Claim	1184813	*Hole Type*	Diamond Drill	*Size*	HQ
Drill Contractor	Rodren	*Other Hole name*		*Data Origin*	GEO5-LENOVO
Drill Rig	1	*Cassing Pulled*	Unknown	*Data Date*	3/28/2013
Date Started	2/16/2013	*Cassing (m)*		*Data BY*	Geology
Date Finished	2/23/2013				
Logger	Stacey Ng	*Log Date*	3/5/2013		
Target					
Hole Comments	Geotechnical hole drilled on the ice. Site GT07.				
Collar survey Date	2/21/2013	*Survey By*	John Nguyen	*Method*	Trimble R8
Survey Notes					

Collar coordinates

Grid	Name	x	Y	z	Az	Dip
Original	UTM84-15N	549,500.28	5,693,423.05	391.13	270.00	-70.00
Preferred	UTM84-15N	549,500.28	5,693,423.05	391.13	270.00	
Local						
Lat Long						

Down-hole surveys

SurveyDHDesc	mDepth	Dip	AzOrig	AzLocal	AzPref	AzMag	MagField	Remarks
d - Gyro (readings taken u	0.00	-71.74	274.00		274.00			
d - Gyro (readings taken u	20.00	-71.78	274.56		274.56			
d - Gyro (readings taken u	40.00	-72.35	275.22		275.22			
d - Gyro (readings taken u	90.00	-73.45	268.97		268.97			
d - Gyro (readings taken u	110.00	-73.75	266.40		266.40			
d - Gyro (readings taken u	120.00	-73.88	265.23		265.23			
d - Gyro (readings taken u	150.00	-74.23	262.56		262.56			
d - Gyro (readings taken u	190.00	-74.76	260.27		260.27			
yro (readings taken upwar	10.00	-71.93	274.28		274.28			
yro (readings taken upwar	30.00	-72.33	275.15		275.15			
yro (readings taken upwar	50.00	-72.62	274.49		274.49			
yro (readings taken upwar	60.00	-72.83	273.74		273.74			
yro (readings taken upwar	70.00	-73.09	272.58		272.58			
yro (readings taken upwar	80.00	-73.32	270.77		270.77			
yro (readings taken upwar	100.00	-73.56	267.59		267.59			
yro (readings taken upwar	130.00	-74.04	264.14		264.14			
yro (readings taken upwar	140.00	-74.09	263.40		263.40			
yro (readings taken upwar	160.00	-74.42	262.26		262.26			
yro (readings taken upwar	170.00	-74.69	261.49		261.49			
yro (readings taken upwar	180.00	-74.76	260.82		260.82			
yro (readings taken upwar	200.00	-74.88	259.55		259.55			
yro (readings taken upwar	210.00	-74.89	259.04		259.04			
yro (readings taken upwar	220.00	-74.94	258.00		258.00			
yro (readings taken upwar	230.00	-75.13	257.77		257.77			
yro (readings taken upwar	240.00	-75.17	257.48		257.48			
yro (readings taken upwar	250.00	-75.35	257.07		257.07			
yro (readings taken upwar	260.00	-75.53	256.29		256.29			
yro (readings taken upwar	270.00	-75.72	255.75		255.75			
yro (readings taken upwar	280.00	-75.76	254.88		254.88			
yro (readings taken upwar	290.00	-75.74	254.47		254.47			

yro (readings taken upwar	300.00	-75.80	253.54		253.54			
yro (readings taken upwar	310.00	-75.91	252.32		252.32			
yro (readings taken upwar	320.00	-76.20	251.15		251.15			
yro (readings taken upwar	330.00	-76.34	250.81		250.81			
yro (readings taken upwar	340.00	-76.41	250.46		250.46			

Relating Certificates

LabCode	Status	CertName	CertDate	Between	and	SampleGen
SGS	QC-NR	RL1300792	3/27/2013	37.20	145.00	0
SGS	QC-NR	RL1300805	3/31/2013	145.00	183.00	0
SGS	QC-NR	RL1300844	3/31/2013	183.00	305.00	0
SGS	QC-NR	RL1300935	4/11/2013	305.00	351.00	0

Control Samples

SampleID	mFrom	mTo	SampleCode	SampleGen	Au_ppm	WtRecvd_kg	Au_CertName
82832	64.00	66.00	2-DUPF	0	0.06	2.60	RL1300792
82859	113.00	115.00	2-DUPF	0	0.02	3.70	RL1300792
82926	233.00	235.00	2-DUPF	0	0.02	3.60	RL1300844
82964	301.00	303.00	2-DUPF	0	0.00	2.80	RL1300844
82868	129.00	131.00	2-DUPL	0	0.00	3.30	RL1300792
82885	159.00	161.00	2-DUPL	0	0.00	2.90	RL1300805
82904	193.00	195.00	2-DUPL	0	0.00	3.60	RL1300844
82947	271.00	273.00	2-DUPL	0	0.02	3.10	RL1300844
82978	327.00	329.00	2-DUPL	0	0.09	3.20	RL1300935
82847	94.00		Blk-BL9	0	0.00	1.70	RL1300792
82890	169.00		Blk-BL9	0	0.00	1.50	RL1300805
82931	243.00		Blk-BL9	0	0.00	1.20	RL1300844
82985	341.00		Blk-BL9	0	0.00	1.00	RL1300935
82871	135.00		Std-10D-GS	0	9.91	1.70	RL1300792
82826	56.00		Std-6B-GS	0	6.70	0.20	RL1300792
82952	281.00		Std-High	0	1.80	0.05	RL1300844
82989	347.00		Std-Low	0	0.33	0.06	RL1300935
82913	211.00		Std-Mid	0	0.31	0.05	RL1300844

Number of entries per table

Litho	Alt	Minz	Geotech	Struct	Vein	Photos	Scans
8	10	38	0	18	15	0	0

Springpole Project

Lithologic and Structural Code Identifiers for Loggers

	Color
BLK	Black
BLU	Blue
BRN	Brown
GRN	Green
GRY	Gray
ORG	Orange
PNK	Pink
PUR	Purple
RED	Red
WHT	White
YLW	Yellow

	Color Intesity
LT	Light
MD	Medium
DK	Dark

	Lithologies
AND	Andesite
TRA	Trachyte
POR	Porphyry Dyke
MSD	Metasediments
MSC	Metasedimentary Conglomerate
BIF	Banded Iron Formation
VBX	Volcanic breccia
LAM	Lamprophyre dyke
CRB	Carbonatite
MSM	Muscovite Seam
TUF	Tuff
QPD	Quartz Porphyry Dike
NRC	No recovered core
OBN	Overburden
IND	Indeterminate

	Alteration
ALB	Albite
ARG	Argillic
BIO	Biotite
CHL	Chlorite
EPI	Epidote
FEX	Iron Oxide
GOE	Goetite
HEM	Hematite
JAR	Jarosite
KSP	K-feldspar
POT	Potatssic
SER	Sericite
SIL	Silica
TAL	Talc

	Accessory Minerals
AG	Silver
AU	Gold
CHP	Chalcopyrite
FLU	Fluorite
GAL	Galena
MAR	Marcasite
PYH	Pyrrhotite
ROE	Roscoelite
SPH	Sphalerite
TOU	Tourmaline

Sulfides (Pyrite %)
<1%
1-5%
5-10%
10-15%
>15%

	Textures
APH	Aphanitic
FGN	Fine Grained
MGN	Medium Grained
CGN	Coarse Grained
PRP	Porphyritic
MEG	Megacrystic
BIM	Bimodal
BX	Breccia
CBX	Chaotic Breccia
KBX	Crackle Breccia
MBX	Mosaic Breccia
MYL	Mylonitic
SCH	Schistose

	Intensity Scale (%)
	Void Space, Magnetism, Alteration, CaCO3, Closed Structures
1	Very Weak (1-5%)
2	Weak (5-15%)
3	Moderate (15-30%)
4	Strong (30-60%)
5	Intense (<60%)

	Structures
BD	Bedding
CN	Contact
FL	Fault
JN	Joint
FR	Fracture
LN	Lineation
SH	Shear
FO	Foliation

	Strength
1	Clay
2	Sand
3	Very soft rock
4	Soft rock
5	Moderately soft rock
6	Moderately hard rock
7	Hard rock
8	Very hard rock
9	Extremely hard rock

	Fracture Density	
1	Very Slightly Fractured	(>1 m)
2	Slightly Fractured	(0.3-1.0 m)
3	Moderately Fractured	(0.1-0.3 m)
4	Intensely Fractured	(<0.1 m)
5	Very Intensely Fractured (rubble)	

	Vein Type
QTZ	Quartz
BIO	Biotite
CAR	Carbonate
EPI	Epidote
FLU	Fluorite
GYP	Gypsum
SUL	Sulfide

	Vein Accessory Minerals
B	Biotite
C	Calcite
D	Dolomite
E	Epidote
F	Fluorite
G	Gypsum
P	Pyrite
Q	Quartz
S	Sulfides

Project: SpringPole
Area: Not Recorded
Claim: 1184813

Gold Canyon
Program: 2013
Logger: Stacey Ng

Hole name: SG13-202
Length (m): 351

Assays				Litho				
Depth (m)	SampleID	Au (ppm)	Ag (ppm)	Depth (m)	Lith1	Txtr2	Txtr2	Comments
	NoSample196			37.00	WTR			water
37.20				37.20	OBN			overburden
CertName= RL1300792								
39.00	82817	0.02						
41.00	82818	0.01						
43.00	82819	0.005						
45.00	82820	0.005						
47.00	82821	0.005						
49.00	82822	0.005						
51.00	82823	0.02						
54.00	82824	0.02						37.2-99.0m: Medium-grained, green-gray andesite that is weakly to moderately sericite-altered. Alteration is stronger closer to top of hole (37.2-38.2m) giving a softer rock with a more clayey appearance. Weak magnetism and minor void space with increased alteration observed. Minor chlorite alteration present, restricted largely to fracture surfaces (?) and expressed as a dark green, soft clay.
56.00	82825	0.01						40.0-60.0m: Moderately foliated from 40-45 degrees to core axis. Core contains medium-grained white/beige mineral phenocrysts, typically aligned with fabric and occasionally appearing to be elongated (possible shearing?).
58.00	82827	0.02						43.5-60.0m: Andesite is moderately fractured, mostly jointed rubble zones; very blocky. Joint fracture surfaces are typically infilled with mixed sericite-chlorite clay. Magnetism increases slightly in this interval and is weak but present throughout most of core. Carbonate presence decreases as void space and fracturing increase, possibly indicating carbonate leaching has taken place. Vugs and voids are randomly dispersed.
60.00	82828	0.005						54.0m: Slight increase in overall pyrite content (from less than 1% to 1-5%). Sulfides mostly visible on frature surfaces as very fine-grained euhedral specks. Pyrite infill may have been a post-fracture & leaching event, as it is only seen on fracture surfaces and in voids.
62.00	82829	0.02						60.0-80.0m: Core becomes less fractured but is still fairly jointed (5-10 joints per 1.5m run). Core is moderately foliated at 40-45 degrees to core axis. Andesite has speckled appearance with an abundance of white medium-sized grains dispersed throughout the groundmass. Very sporadic, weak carbonate reaction to 10% HCl acid, typically occurring on rare, thin white carbonate veinlets. Void space is usually found proximal to these veinlets or where they previously existed. Some veinlets which are partially dissolved have developed a beige-yellow tint.
64.00	82830	0.02						79.3m: Subhedral tan calcite grains on fracture surface indicate a broken carbonate vein.
66.00	82831	0.08						80.0-99.0m: Core develops a grayer tint as rock progresses out of andesite. Medium-sized white to beige grains are still in abundance as above, but matrix becomes more sheared and individual grains are less distinguishable with increased strain.
68.00	82833	0.03						91.0m: Subhedral, fine-grained galena on fracture surface adjacent to an abundance of fine-grained subhedral pyrite. Fracture occurs on former carbonate vein with a gritty surface and strong reaction to 10% HCl acid.
70.00	82834	0.16			AND	MGN		96.2-96.9m: Extensive micro-fracture/carbonate vein. Coarse-grained, globular, subhedral carbonate crystals irregularly dispersed on fracture surface.
72.00	82835	0.02						
74.00	82836	0.03						
76.00	82837	0.03						
78.00	82838	0.02						
80.00	82839	0.03						
83.00	82840	0.09						
84.00	82841	0.02						
86.00	82842	0.005						
88.00	82843	0.05						
90.00	82844	0.03						
92.00	82845	0.04						
94.00	82846	0.33						
96.00	82848	0.005						
97.50	82849	0.005						
99.00	82850	0.005		99.00				
101.00	82851	0.05						99.0-105.4m: Sharp transition from andesite to porphyry at 99.0m. Unit is medium- to coarse-grained with a weakly sericite-altered matrix of light olive green color. Abundant feldspar phenocrysts are typically subhedral to euhedral and white/beige in color. Some

Project: SpringPole
Area: Not Recorded
Claim: 1184813

Gold Canyon
Program: 2013
Logger: Stacey Ng

Hole name: SG13-202
Length (m): 351

Assays				Litho				
Depth (m)	SampleID	Au (ppm)	Ag (ppm)	Depth (m)	Lith1	Txtr2	Txtr2	Comments
103.50	82852	0.06			POR	MGN	CGN	matrix of light olive green color. Abundant feldspar phenocrysts are typically subhedral to euhedral and white/beige in color. Some phenocrysts have a pink tint/stain, and all are of variable size and shape. Zoning observed in a few phenocrysts, expressed as a dark brown/black core with a white/beige rim. Void space is weak within this unit, implying possible leaching. Core is not magnetic and contains very small amounts of visible sulfides/pyrite.
105.40	82853	0.04		105.40				
107.00	82854	0.05						
109.00	82855	0.16						
111.00	82856	0.005						
113.00	82857	0.005						
115.00	82858	0.02						
117.00	82860	0.11						
119.00	82861	0.02						
121.00	82862	0.02						
123.00	82863	0.32						
125.00	82864	0.01						
127.00	82865	0.005						105.4-111.0m: Sheared zone? No visible grains from andesite unit, but mixing of andesite and porphyry visible implying gradual transition (gradational contact) between units. Foliation/shearing at approximately 42 degrees to core axis. 105.4-120.0m: Return to typical appearance of andesite throughout the majority the hole with medium-grained, speckled, tuffaceous texture. Foliation shifts from 42 degrees to core axis to 44 degrees. 120.0-140.0m: Some short zones (0.1-0.2m) where sericitic alteration slightly increases making the core very soft and friable with clayey feel when handled. 129.0-133.0m: Core is less sericite-altered, harder and stronger due to lack of coid space. Wispy, faint, irregular carbonate veinlets dispersed through zone. Mineral grains are more difficult to distinguish and are faint/distorted where visible. 140.0-160.0m: Core weaves in and out of short, more altered zones wherein rock becomes heavily fractured, soft, and coated with powdery clay fill. Possible shear zones containing gouge material are present. Many fracture surfaces are coated in carbonate-rich powder. Possible presence of sericitized veins (?). Core is moderately to strongly foliated, carbonate content and void space are consistent with description for above intervals. Rare, sporadically spaced intervals show weak carbonate reaction versus very weak, usually where stringers are located. 147.0-150.0m: Andesite develops brecciated appearance. Aphanitic, darker gray matrix with no visible grains except in zones of less brecciated core/andesite clasts. 151.3-151.4m: Joint surface with 1-5mm infill of powder/clayey carbonate material. 146.0m: Sharp increase in magnetism. 160.0-179.0m: Variable zones of alteration with white/light green chalky areas (of sericite?) and zones of chlorite; chloritic zones tend to correlate with more competent core. Biotite is locally concentrated on joint surfaces. Void space is minimal and pervasive, found in zones of sericitic/argillic alteration. Sulfides finely disseminated throughout. 167.0m: Core begins breaking along fabric in pieces <0.1m long. 169.5-170.5m: Phenocrysts are preferentially replaced by carbonate material, only observed in this interval. 177.8m: Rounded clast of aphanitic trachyte 10cm across observed; could be a rip-up clast (?).
129.00	82866	0.005						
131.00	82867	0.005						
133.00	82869	0.005						
135.00	82870	0.005						
137.00	82872	0.005						
139.00	82873	0.005						
141.00	82874	0.17						
143.00	82875	0.03			AND	MGN		
145.00	82876	0.05						
CertName= RL1300805								
147.00	82877	0.21						
149.00	82878	0.12						
151.00	82879	0.46						
153.00	82880	0.29						
155.00	82881	0.03						
157.00	82882	0.01						
159.00	82883	0.03						
161.00	82884	0.005						
163.00	82886	0.005						
165.00	82887	0.005						
167.00	82888	0.005						

Project: SpringPole
Area: Not Recorded
Claim: 1184813

Gold Canyon
Program: 2013
Logger: Stacey Ng

Hole name: SG13-202
Length (m): 351

Assays				Litho				
Depth (m)	SampleID	Au (ppm)	Ag (ppm)	Depth (m)	Lith1	Txtr2	Txtr2	Comments
169.00	82889	0.005						
171.00	82891	0.005						
173.00	82892	0.005						
175.00	82893	0.005						
177.00	82894	0.005						
179.00	82895	0.005		179.00				
181.00	82896	0.01						
183.00	82897	0.03						
CertName= RL1300844					AND	FGN		179.0-189.0m: Gradational contact between medium and fine-grained andesite; core becomes more competent. Void space decreases, magnetism increases, and sulfide levels remain unchanged from above interval. Core is dark gray to green in color with little to no sericitic/argillic alteration and weak biotite alteration.
185.00	82898	0.06						
187.00	82899	0.005						
189.00	82900	0.005		189.00				
191.00	82901	0.005						
193.00	82902	0.02						
195.00	82903	0.005						
197.00	82905	0.005						
199.00	82906	0.01						
201.00	82907	0.21						
203.00	82908	0.005						
205.00	82909	0.005						
207.00	82910	0.005						
209.00	82911	0.03						
211.00	82912	0.02						
213.00	82914	0.02						
215.00	82915	0.005						
217.00	82916	0.005						
219.00	82917	0.03						
221.00	82918	0.005						
223.00	82919	0.04						
225.00	82920	0.005						
227.00	82921	0.005						
229.00	82922	0.005						
231.00	82923	0.005						
233.00	82924	0.005						
235.00	82925	0.02						

Project: SpringPole
Area: Not Recorded
Claim: 1184813

Gold Canyon
Program: 2013
Logger: Stacey Ng

Hole name: SG13-202
Length (m): 351

Assays				Litho				
Depth (m)	SampleID	Au (ppm)	Ag (ppm)	Depth (m)	Lith1	Txtr2	Txtr2	Comments
237.00	82927	0.08						
239.00	82928	0.005						
241.00	82929	0.005						
243.00	82930	0.03						
245.00	82932	0.005						
247.00	82933	0.005						
249.00	82934	0.005						
251.00	82935	0.02						
253.00	82936	0.96						
255.00	82937	0.21						189.0-322.5m: Medium-grained andesite as described above. Phenocrysts are not as abundant as in uphole intervals. Core is moderately magnetic and very weak void space is observed throughout. Contact with above unit is gradational and marked by appearance of sporadically distributed 1-4mm phenocrysts and broken core. Core is more jointed/broken than overlying unit with average length of intact pieces being 10cm or less. Weak sericitic/argillic alteration observed as well as concentrated powdery/clayey coatings on joint and fracture surfaces. Pyrite is finely disseminated through unit. 322-325.5m: Core is more aphanitic, less phenocryst dominated. This zone looks like an aphanitic trachyte.
257.00	82938	0.04			AND	MGN		
259.00	82939	0.03						
261.00	82940	0.01						
263.00	82941	0.02						
265.00	82942	0.04						
267.00	82943	0.05						
269.00	82944	1.05						
271.00	82945	1.14						
273.00	82946	0.03						
275.00	82948	0.005						
277.00	82949	0.005						
279.00	82950	0.005						
281.00	82951	0.005						
283.00	82953	0.01						
285.00	82954	0.14						
287.00	82955	0.02						
289.00	82956	0.005						
291.00	82957	0.04						
293.00	82958	0.16						
295.00	82959	0.18						
297.00	82960	0.07						
299.00	82961	0.05						
301.00	82962	0.05						
303.00	82963	0.005						
305.00	82965	0.005						

Project: SpringPole
Area: Not Recorded
Claim: 1184813

Gold Canyon
Program: 2013
Logger: Stacey Ng

Hole name: SG13-202
Length (m): 351

Assays				Litho				
Depth (m)	SampleID	Au (ppm)	Ag (ppm)	Depth (m)	Lith1	Txtr2	Txtr2	Comments
CertName= RL1300935								
307.00	82966	0.09						
309.00	82967	0.12						
311.00	82968	0.09						
313.00	82969	0.04						
315.00	82970	0.02						
317.00	82971	0.05						
319.00	82972	0.06						
321.00	82973	0.09						
323.00	82974	0.2		322.50				
325.00	82975	0.1						
327.00	82976	0.19						
329.00	82977	0.08						
331.00	82979	0.23						
333.00	82980	0.16						322.5-351.0m: Core is similar to section at 322.0m. Core is black with increased finely disseminated pyrite generally concentrated along foliation/other fabric. Carbonate increased in groundmass. This zone marks an increase in veins. Generally core is more biotite-altered.
335.00	82981	0.26						325.0-351.0m: Magnetism is moderate, core has rare visible magnetite and variable patches of magnetism.
337.00	82982	0.17			AND	APH		331.5-351.0m: Moderate carbonate in core as hairline white veinlets less than 1mm wide and also as partial phenocryst replacement.
339.00	82983	0.06						334.5-351.0m: Increase in core competency, average length of pieces 10-20cm.
341.00	82984	0.21						347.0-348.0m: Increased pyrite percentage (closer to 5% than 1%); associated with weak increase in void space.
343.00	82986	0.26						351.0m: End of hole.
345.00	82987	0.11						
347.00	82988	0.47						
349.00	82990	0.23						
351.00	82991	0.14		351.00				

Project: SpringPole
Area: Not Recorded

Gold Canyon
Program: 2013
Logger: Stacey Ng

Hole name: SG13-202
Length (m): 351

Mineralization

mFrom	mTo	Pyrite_Pct	Min1	Min1_Pct	Min2	Min2_Pct	Comments
37.20	40.00	0.5					
40.00	54.00	0.5					
54.00	60.00	3					
60.00	99.00	0.5					
99.00	102.00	0.5					
102.00	103.00	3					
103.00	105.40	0.5					
105.40	146.00	0.5					
146.00	180.00	0.5					
180.00	192.00	0.5					
192.00	193.00	3					
193.00	210.50	0.5					
210.50	211.00	3					
211.00	222.50	0.5					
222.50	223.00	3					
223.00	229.50	0.5					
229.50	235.00	0.5					
235.00	235.50	7.5					
235.50	238.50	0.5					
238.50	243.50	0.5					
243.50	250.50	0.5					
250.50	255.00	0.5					
255.00	263.00	0.5					
263.00	264.00	3					
264.00	268.50	0.5					
268.50	271.00	3					
271.00	273.00	0.5					
273.00	283.50	0.5					
283.50	284.00	3					
284.00	289.50	0.5					
289.50	290.00	3					
290.00	293.00	0.5					
293.00	294.50	3					
294.50	307.50	0.5					

Project: SpringPole
Area: Not Recorded

Gold Canyon
Program: 2013
Logger: Stacey Ng

Hole name: SG13-202
Length (m): 351

Mineralization

mFrom	mTo	Pyrite_Pct	Min1	Min1_Pct	Min2	Min2_Pct	Comments
307.50	313.50	0.5					
313.50	322.50	0.5					
322.50	325.00	3					
325.00	351.00	3					

Project: SpringPole
Area: Not Recorded

Gold Canyon
Program: 2013
Logger: Stacey Ng

Hole name: SG13-202
Length (m): 351

Veins

mDepth	mWidth	Vein1	Vein1_AlphaAngle	Vein1_Min1	Vein1_Min2	Vein1_Min3	Comments
42.70	0.01	QTZ	58	C			smokey gray quartz vein with white carbonate rim
88.30	0.10	CAR	28				white carbonate veinlets, 5mm wide
101.80	0.10	QTZ					extensive fractured quartz vein, indeterminate alpha angle
109.70	0.02	QTZ	25	C			quartz-dominated vein, partially dissolved and mixed with carbonate
133.80	0.02	QTZ	54	C			brecciated vein
134.00	0.01	QTZ	44	C			some patches of white carbonate
267.80	0.01	QTZ	70	C			quartz-carbonate vein
274.00	0.01	QTZ	80	E			two quartz/epidote veins, 1cm wide, between 274-275m
278.80	0.01	QTZ	30				barren quartz vein with moderate chlorite
325.80	0.05	QTZ	53				with chlorite
328.50	0.02	QTZ		C	P		dark chlorite infill and minor pyrite
335.50	0.50	CAR	70				set of 12 veinlets spread over 0.5m
336.20	0.60	QTZ	70				two veins, both quartz with tourmaline perpendicular to veins
343.40	0.10	QTZ	15	B			low angle quartz-biotite vein
345.00	6.00	CAR	70	B	P		densely distributed carbonate veinlets with minor pyrite and bioitite rims

Project: SpringPole
Area: Not Recorded

Gold Canyon
Program: 2013
Logger: Stacey Ng

Hole name: SG13-202
Length (m): 351

Alteration

mFrom	mTo	Alt1	Int	Alt2	Int	Alt3	Int	Alt4	Int	Comments
37.20	80.00	SER	2	CHL	1					Sericite alteration stronger toward top of hole; softer core
80.00	99.50	SER	2							
99.50	109.00	SER	1							
109.00	129.00	SER	2							
129.00	168.00	CHL	3	SER	2					
168.00	189.00	SER	1	BIO	2					
189.00	209.00	SER	2	ARG	2					May be sericite or argillic alteration; core has clayey coating concentrated on fracture surfaces
209.00	300.00	CHL	2	SER	2	ARG	2			SAA
300.00	322.50	CHL	3	SER	2	ARG	2			Core becoming darker green color
322.50	351.00	BIO	3							

Project: SpringPole
Area: Not Recorded

Gold Canyon
Program: 2013
Logger: Stacey Ng

Hole name: SG13-202
Length (m): 351

Color

mFrom	mTo	Color1	Int	Color2	Comments
37.20	91.00	GRN	MD	GRY	Andesite
91.00	99.00	GRY	MD	GRN	Andesite
99.00	105.40	GRN	MD	WHT	Porphyry
105.40	111.00	GRY	MD	GRN	Andesite
111.00	180.00	GRN	MD	GRY	Andesite
180.00	189.00	GRY	DK	GRN	Andesite
189.00	300.00	GRN	MD	GRY	Andesite
300.00	322.50	GRN	DK	GRY	Andesite
322.50	351.00	BLK	DK	GRY	Andesite, may be trachyte?

Project: SpringPole
Area: Not Recorded

Gold Canyon
Program: 201
Logger: Stacey Ng

Hole name: SG13-202
Length (m): 351

Carbonate and Void Space

mFrom	mTo	Void_pctCod	Carb_IntCod	Comments
37.20	38.00	1	1	
38.00	41.00	1	2	
41.00	43.00	0	2	
43.00	44.00	1	2	
44.00	50.00	1	0	
50.00	60.00	2	0	
60.00	99.00	1	1	
99.00	105.40	1	0	
105.40	129.00	1	1	
129.00	133.00	0	1	
133.00	179.00	1	1	
179.00	189.00	0	1	
189.00	229.50	1	1	
229.50	238.50	0	1	
238.50	273.00	1	1	
273.00	331.50	1	0	
331.50	351.00	1	3	

Project: SpringPole
Area: Not Recorded

Gold Canyon
Program: 2013
Logger: Stacey Ng

Hole name: SG13-202
Length (m): 351

Geotech

mFrom	mTo	Recov_m	Recov_pct	RQD_m	RQD_pct	StrengthCo	Comments

Gold Canyon

Project	SpringPole			*Hole name*	**SG13-203**
Area	Not Recorded	*Program*	2013	*Length (m)*	349.5
Claim	1184813	*Hole Type*	Diamond Drill	*Size*	HQ
Drill Contractor	Rodren	*Other Hole name*		*Data Origin*	GEO5-LENOVO
Drill Rig	2	*Cassing Pulled*	Unknown	*Data Date*	3/27/2013
Date Started	2/20/2013	*Cassing (m)*		*Data BY*	Geology
Date Finished	2/25/2013				
Logger	Ashley Ripple	*Log Date*	3/15/2013		
Target					
Hole Comments	Geotechnical hole drilled on the ice. Site GT06				
Collar survey Date	2/21/2013	*Survey By*	John Nguyen	*Method*	Trimble R8
Survey Notes					

Collar coordinates

Grid	Name	x	Y	z	Az	Dip
Original	UTM84-15N	549,299.82	5,693,676.28	391.23	225.00	-65.00
Preferred	UTM84-15N	549,299.82	5,693,676.28	391.23	225.00	
Local						
Lat Long						

Down-hole surveys

SurveyDHDesc	mDepth	Dip	AzOrig	AzLocal	AzPref	AzMag	MagField	Remarks
d - Gyro (readings taken u	0.00	-64.78	224.00		224.00			
yro (readings taken upwar	10.00	-64.15	224.00		224.00			
yro (readings taken upwar	20.00	-63.76	223.53		223.53			
yro (readings taken upwar	30.00	-63.88	222.99		222.99			
yro (readings taken upwar	40.00	-63.97	221.98		221.98			
yro (readings taken upwar	50.00	-63.99	221.12		221.12			
yro (readings taken upwar	60.00	-63.83	220.76		220.76			
yro (readings taken upwar	70.00	-63.70	220.41		220.41			
yro (readings taken upwar	80.00	-63.58	219.95		219.95			
yro (readings taken upwar	90.00	-63.45	219.49		219.49			
yro (readings taken upwar	100.00	-63.34	219.05		219.05			
yro (readings taken upwar	110.00	-63.09	218.55		218.55			
yro (readings taken upwar	120.00	-63.08	217.25		217.25			
yro (readings taken upwar	130.00	-63.02	216.31		216.31			
yro (readings taken upwar	140.00	-62.95	216.02		216.02			
yro (readings taken upwar	150.00	-62.89	215.63		215.63			
yro (readings taken upwar	160.00	-62.60	215.10		215.10			
yro (readings taken upwar	170.00	-62.24	214.66		214.66			
yro (readings taken upwar	180.00	-61.96	214.03		214.03			
yro (readings taken upwar	190.00	-61.61	213.53		213.53			
yro (readings taken upwar	200.00	-61.52	213.19		213.19			
yro (readings taken upwar	210.00	-61.35	212.96		212.96			
yro (readings taken upwar	220.00	-61.05	212.74		212.74			
yro (readings taken upwar	230.00	-60.79	212.57		212.57			
yro (readings taken upwar	240.00	-60.53	212.31		212.31			
yro (readings taken upwar	250.00	-60.37	212.24		212.24			
yro (readings taken upwar	260.00	-60.17	212.18		212.18			
yro (readings taken upwar	270.00	-59.88	211.90		211.90			
yro (readings taken upwar	280.00	-59.66	211.83		211.83			
yro (readings taken upwar	290.00	-59.41	211.63		211.63			

yro (readings taken upwar	300.00	-59.19	211.55		211.55			
yro (readings taken upwar	310.00	-59.04	211.21		211.21			
yro (readings taken upwar	320.00	-58.85	211.20		211.20			
yro (readings taken upwar	330.00	-58.67	211.17		211.17			
yro (readings taken upwar	340.00	-58.41	211.14		211.14			

Relating Certificates

LabCode	Status	CertName	CertDate	Between	and	SampleGen
SGS	QC-NR	RL1300955	4/17/2013	37.20	349.50	0
SGS	QC-NR	RL1301063	4/23/2013	131.90	133.00	0

Control Samples

SampleID	mFrom	mTo	SampleCode	SampleGen	Au_ppm	WtRecvd_kg	Au_CertName
79749	61.00	63.00	2-DUPF	0	0.07	3.40	RL1300955
79766	91.00	93.00	2-DUPF	0	0.10	3.20	RL1300955
79816	179.00	181.00	2-DUPF	0	0.04	3.10	RL1300955
79822	189.00	191.00	2-DUPF	0	0.00	6.60	RL1300955
79847	228.00	230.00	2-DUPF	0	0.00	3.50	RL1300955
79866	262.00	264.00	2-DUPF	0	0.03	3.30	RL1300955
79910	342.00	344.00	2-DUPF	0	0.09	3.50	RL1300955
79782	119.00	121.00	2-DUPL	0	0.00	3.50	RL1300955
79812	173.00	175.00	2-DUPL	0	0.09	3.30	RL1300955
79841	218.00	220.00	2-DUPL	0	0.00	3.30	RL1300955
79887	300.00	302.00	2-DUPL	0	0.00	3.70	RL1300955
79758	79.00		Blk-BL9	0	0.00	1.10	RL1300955
79774	107.00		Blk-BL9	0	0.00	1.30	RL1300955
79804	161.00		Blk-BL9	0	0.00	1.20	RL1300955
79836	212.00		Blk-BL9	0	0.00	1.40	RL1300955
79858	250.00		Blk-BL9	0	0.00	1.30	RL1300955
79893	312.00		Blk-BL9	0	0.00	1.30	RL1300955
79791	137.00		Std-10D-GS	0	9.08	0.10	RL1300955
79826	197.00		Std-1G-GS	0	1.19	0.10	RL1300955
79737	41.00		Std-3H-GS	0	3.12	0.10	RL1300955
79873	276.00		Std-3H-GS	0	3.10	0.10	RL1300955
79833	208.00		Std-High	0	1.87	0.05	RL1300955

Number of entries per table

Litho	Alt	Minz	Geotech	Struct	Vein	Photos	Scans
13	24	33	0	14	21	0	0

Springpole Project

Lithologic and Structural Code Identifiers for Loggers

	Color
BLK	Black
BLU	Blue
BRN	Brown
GRN	Green
GRY	Gray
ORG	Orange
PNK	Pink
PUR	Purple
RED	Red
WHT	White
YLW	Yellow

	Color Intesity
LT	Light
MD	Medium
DK	Dark

	Lithologies
AND	Andesite
TRA	Trachyte
POR	Porphyry Dyke
MSD	Metasediments
MSC	Metasedimentary Conglomerate
BIF	Banded Iron Formation
VBX	Volcanic breccia
LAM	Lamprophyre dyke
CRB	Carbonatite
MSM	Muscovite Seam
TUF	Tuff
QPD	Quartz Porphyry Dike
NRC	No recovered core
OBN	Overburden
IND	Indeterminate

	Alteration
ALB	Albite
ARG	Argillic
BIO	Biotite
CHL	Chlorite
EPI	Epidote
FEX	Iron Oxide
GOE	Goetite
HEM	Hematite
JAR	Jarosite
KSP	K-feldspar
POT	Potatssic
SER	Sericite
SIL	Silica
TAL	Talc

	Accessory Minerals
AG	Silver
AU	Gold
CHP	Chalcopyrite
FLU	Fluorite
GAL	Galena
MAR	Marcasite
PYH	Pyrrhotite
ROE	Roscoelite
SPH	Sphalerite
TOU	Tourmaline

Sulfides (Pyrite %)
<1%
1-5%
5-10%
10-15%
>15%

	Textures
APH	Aphanitic
FGN	Fine Grained
MGN	Medium Grained
CGN	Coarse Grained
PRP	Porphyritic
MEG	Megacrystic
BIM	Bimodal
BX	Breccia
CBX	Chaotic Breccia
KBX	Crackle Breccia
MBX	Mosaic Breccia
MYL	Mylonitic
SCH	Schistose

	Intensity Scale (%)
	Void Space, Magnetism, Alteration, CaCO3, Closed Structures
1	Very Weak (1-5%)
2	Weak (5-15%)
3	Moderate (15-30%)
4	Strong (30-60%)
5	Intense (<60%)

	Structures
BD	Bedding
CN	Contact
FL	Fault
JN	Joint
FR	Fracture
LN	Lineation
SH	Shear
FO	Foliation

	Strength
1	Clay
2	Sand
3	Very soft rock
4	Soft rock
5	Moderately soft rock
6	Moderately hard rock
7	Hard rock
8	Very hard rock
9	Extremely hard rock

	Fracture Density	
1	Very Slightly Fractured	(>1 m)
2	Slightly Fractured	(0.3-1.0 m)
3	Moderately Fractured	(0.1-0.3 m)
4	Intensely Fractured	(<0.1 m)
5	Very Intensely Fractured (rubble)	

	Vein Type
QTZ	Quartz
BIO	Biotite
CAR	Carbonate
EPI	Epidote
FLU	Fluorite
GYP	Gypsum
SUL	Sulfide

	Vein Accessory Minerals
B	Biotite
C	Calcite
D	Dolomite
E	Epidote
F	Fluorite
G	Gypsum
P	Pyrite
Q	Quartz
S	Sulfides

Project: SpringPole
Area: Not Recorded
Claim: 1184813

Gold Canyon
Program: 2013
Logger: Ashley Ripple

Hole name: SG13-203
Length (m): 349.5

Assays				Litho				
Depth (m)	SampleID	Au (ppm)	Ag (ppm)	Depth (m)	Lith1	Txtr2	Txtr2	Comments
37.20	NoSample197			37.20	WTR			WTR/NRC
CertNames= RL1300955								
39.00	79735	0.01	0.15					
41.00	79736	0.04	0.15					
43.00	79738	0.25	1.6					
45.00	79739	0.005	0.15					
47.00	79740	0.02	0.15					Green (wtih 1-2mm zone of dark grey-black) Andesite. It is medium-grained, 2-6mm, rounded and the phenocrysts are relict (replaced by carbonate). Core is stick rock (on average 0.2m). The alteration is chlorite/sericite that is prevasive except dark grey zones (metased?. Rare carbonate veins (4/10m). Core is non-magnetic. Pyrite is very finely disseminated.
49.00	79741	0.02	0.15					40.5-43m: Metasediment interval(?) Overall it is dark grey to black with weak biotite alteration (some sections seem very hard-KSP/SIL flooding?)
51.00	79742	0.01	0.15					40.5-42m: zone has 3-5mm amygdules that are spherical and carbonate-rich
53.00	79743	0.005	0.15					42-43m: zone has bedding with 1-2cm beds with lenticular shapes
55.00	79744	0.02	0.15					41m: white quartz vein, 2.5cm with black 2-5mm needle-like tourmaline.
57.00	79745	0.06	0.15					43m: change back to green andesite with relict medium-grained phenocrysts
59.00	79746	0.01	0.15		AND	MGN		51-52m: localized zone if increased finely disseminated pyrite
61.00	79747	0.005	0.15					52m: increase of white-light grey carbonate veins (8/10m)
63.00	79748	0.07	0.15					56-56.5m: light grey indeterminate zone with increased sericite alteration and no chlorite alteration. there is an increased finely disseminated pyrite. It is possible this is an alteration contact but the cantacts are sharp, approximately perpendicular to core-axis
65.00	79750	0.005	0.15					56.5m: change back to green and with relict white phenocrysts replaced by carbonate
67.00	79751	0.01	0.15					61.5-67.5m: zone of possible metasediment interbedded with andesite. Beds alternate between dark green/black to light grey with light grey zones having increased sulfides. Beds are lenticular shaped. Beds are 1-2cm thick. Zone has little or no veins
69.00	79752	0.005	0.15					72-81m: same as above of metasediments interbedded with andesite
71.00	79753	0.03	0.15					73m: irregular bright white carbonate vein breccia with wall rock clasts in vein. Clasts approximately 1cm, andgular. No pyrite.
73.00	79754	0.03	0.15					75-76.5m: finer-grained andesite zone with relict phenocrysts 1-3mm.
75.00	79755	0.02	0.15					
77.00	79756	0.04	0.15					
79.00	79757	0.01	0.15					
81.00	79759	0.01	0.15	81.00				
83.00	79760	0.04	0.3					81-88.5m: dark grey to light grey bedded metasediments (?). Some zones have very apparent bedding but are more like a conglomerate. Overall core is harder but still very weak sericite alteration. Biotite is pervasive with increased intensite in various beds. Pyrite is still finely disseminated.
85.00	79761	0.01	0.15		MSD			81-84m: Veins are more stock-work, thin, 2-5mm and irregular white carbonate
87.00	79762	0.03	0.15					81-88.5m: zones that are highly magnetic (BIF?) but no bright red that is characterisitic of BIF.
88.50	79763	0.03	1.3	88.50				
91.00	79764	0.3	26.6					88.5-96.0m: Same as above but not as bedded and more brecciated. Clasts are approximately 0.1m, angular to sub-angular. Individual clasts appear to have mosaic brecciated texture with fine biotite (?) and pyrite as matrix. Clasts have grown to grey color and appear glassy. Core is very hard (KSP/SIL flooding?). Increase of finely disseminated pyrite.
93.00	79765	0.1	7.5		MSD	BX		88.6m: 5mm joint/fracture coating with honey-light brown sphaleritw and trace galena.
95.00	79767	0.11	3.1					92.2m: 5cm white-milky quartz vein with black massive and needle like tourmaline and light grey carbonate rim with trace pyrite +/- chalcopyrite(?)
97.00	79768	0.12	1.9	96.00				92.5m: same as above with smaller needlelike tourmaline with radial growth in some zones

Project: SpringPole
Area: Not Recorded
Claim: 1184813

Gold Canyon
Program: 2013
Logger: Ashley Ripple

Hole name: SG13-203
Length (m): 349.5

Assays				Litho				
Depth (m)	SampleID	Au (ppm)	Ag (ppm)	Depth (m)	Lith1	Txtr2	Txtr2	Comments
99.00	79769	0.005	0.3	108.30	AND	FGN		Fine-grained andesite with rare relict white pheoncrysts, 1-3mm. Andesite is dark grey-black. No brecciation or bedding is apparent. Increase of carbonate and quartz veins. There is moderate biotite and sericite in this interval. 101.9-103.5m: White/light green quartz veins with light-brown to light-grey alteration selvages. Iregular with carbonate fingers between quartz veins. 104.5-105.7m: mosaic breccia texture with carbonate-sericite matrix. Clasts are angular to subangulr. Some with minor movement 104.9m: trace chalcopyrite (trace-2%) in white carbonate vein. Other
101.00	79770	0.005	0.15					
103.00	79771	0.005	0.15					
105.00	79772	0.03	0.3					
107.00	79773	0.005	0.15					
109.00	79775	0.005	0.15	108.70	LAM			108.3-108.7m: black, medium-grained lamprphyre dyke. Contact are sharp but rubbly. Upper contact is noted by intense magnetism while the lamp dike is non-magnetic. Phenocrysts in lamprophyre are relict, 2-4mm, white, subrounded
111.00	79776	0.03	0.15	114.00	AND	FGN		108.7-114m: green to grey fine-grained andesite interbedded with metasediments
113.00	79777	0.04	1.1					
115.00	79778	0.88	2.7					
117.00	79779	0.13	1.7	131.90	MSD			Zone is dominated by metasediments bust still intervals interbedded with andesite. Overall core is medium grey, thin, 1-3cm, lenticular beds. Some areas appear brecciated. Alteration is pervasive sericite (+argillic?) with weak biotite on joints/fractures. Rare veins. Pyrite is finely disseminated with varying concentrations from trace to 3% 114-118.5m: weak void space, then core becomes competent and goes back into stick rock. 117.0m: alteration changes to pervasive sericite and biotite (no presence of argillization) 122.5m: 5cm thick, milky white quartz vein at downhole rim vein has thin 1-2mm black tourmaline veins growing into vein core. 123.6m: quartz-carbonate-tourmaline, irregular vein with tourmaline cross-cutting carbonate vein area. Tourmaline and pyrite (trace pyrite in vein, approximately 3% tourmaline) 127.9-128.2m: brecciated zone with white carbonate infilling-xenolith of porphyry 128.6m: shear plane or micro-fault? White quartz-carbonate vein approximately 1cm thick offset by 3m by plane with chlorite/sericite of dark evergreen material 129.1-129.4m: banded thick carbonate-quartz vein with trace pyrite and approximately 1% chalcopyrite. Dominantly carbonate vein
119.00	79780	0.005	0.4					
121.00	79781	0.005	0.15					
123.00	79783	0.03	0.5					
125.00	79784	1.49	23.4					
127.00	79785	0.02	0.15					
129.00	79786	1.42	15.6					
131.00	79787	0.61	9.3					
131.90	79788	0.04	0.15					
CertName= RL1301063								
133.00	55450	0.005		144.00	POR	MEG		131.9-144.0m: megacrystuc feldspar porphyry. Sharp upper contact at 65/330 with metased unit, contact is wavy. Porphyry is megacrystic with several different phases of feldspars. White, white and zones, and salmon pink. Feldspars range in size from 3mm-30mm. Core is very hard. KSP/SIL floding(?) overprinting sericite alteration. 131.9-134m: feldpar light pink and zones 133.4m: clast of metased approximately 0.1m, partially assimilated into porphyry 133.6-134.0m: Irregular light grey carbonate with finely disseminated sulfides (possible trace galena) 134-138m: feldpars are white and zones 138-139.5m: feldspars are dark pink-red 139.5-144m: dark pink-red and zones 138.7m: 4cm clast/dike of metased? very sharp contacts
CertNames= RL1300955								
135.00	79789	0.98	19.8					
137.00	79790	0.12	3.4					
139.00	79792	0.005	0.5					
141.00	79793	0.005	0.4					
143.00	79794	0.005	0.15					
145.00	79795	0.005	0.3					
147.00	79796	0.005	0.15					

Project: SpringPole
Area: Not Recorded
Claim: 1184813

Gold Canyon
Program: 2013
Logger: Ashley Ripple

Hole name: SG13-203
Length (m): 349.5

Assays				Litho				
Depth (m)	SampleID	Au (ppm)	Ag (ppm)	Depth (m)	Lith1	Txtr2	Txtr2	Comments
149.00	79797	0.005	0.15					
151.00	79798	0.005	0.15					
153.00	79799	0.005	0.15					
155.00	79800	0.005	0.15					
157.00	79801	0.06	0.5					
159.00	79802	0.16	1.3					
161.00	79803	0.02	0.3					144-202.4m: Dark grey finely bedded to massive metased, dominated by andesite (?) There are zones that look like an aphanitic trachyte. Upper contact is sharp at approximately 60 degrees to core axis. Metased interbedded with andesite. Core are moderate pervasive BIO/SER altered. Pyrite very finely disseminated in trace amounts. Rare veins. 147-150m: bands of fine-grained dark green SER-CHL (possible rims to pillows) 151-152m: amygdules 1-20mm, spherical but elongated in shear direction, approximately 54 degrees to core axis with carbonate infill (possible a flow texture/horizon) Approximately 155m: increase of fine beds Bedding becomes more apparent than uphole but thinly bedded-laminated with sericite/biotite alteration ,aking layers distinctive. Pyrite concentrated along fabric breaks but in low concentration 160-200m: magnetism variable 169.3-169.5m: milky white quartz vein, 2cm with 5-8mm carbonate rim with anhedral, approximately 3mm pyrite and chalcopyrite grains 169-170m: metased beds appear brecciated with lenticular shape 175.6m: 2cm white carbonate vein, regular Metased becoming more dominated by andesite (note change in color to gray-green) but bedding still apparent 183-184: lenticular-elliptical amygdules, 3-20mm with carbonate infill 187-188m: finely blebs of pyrite along bedding; blebs 1-3mm, thin and elongated 191.5-192.3m: light gray KSP/SIL clast (?) 200-202.4m: dominated by andesite
163.00	79805	0.06	0.4					
165.00	79806	0.02	0.3					
167.00	79807	0.005	0.15					
169.00	79808	0.03	0.15					
171.00	79809	0.09	1.2					
173.00	79810	0.1	0.9					
175.00	79811	0.08	0.6		MSD			
177.00	79813	0.04	0.5					
179.00	79814	0.06	0.4					
181.00	79815	0.03	0.3					
183.00	79817	0.31	3.3					
185.00	79818	0.05	0.15					
187.00	79819	0.04	0.15					
189.00	79820	0.01	0.15					
191.00	79821	0.02	0.15					
193.00	79823	0.22	1.7					
195.00	79824	0.12	0.8					
197.00	79825	0.08	0.15					
199.00	79827	0.14	0.15					
201.00	79828	0.08	0.15					
202.40	79829	0.03	0.15	202.40				
204.00	79830	0.03	0.15					
206.00	79831	0.03	0.15					
208.00	79832	0.02	0.15					
210.00	79834	0.01	0.15					
212.00	79835	0.005	0.15					
214.00	79837	0.005	0.15					
216.00	79838	0.005	0.15					

Project: SpringPole
Area: Not Recorded
Claim: 1184813

Gold Canyon
Program: 2013
Logger: Ashley Ripple

Hole name: SG13-203
Length (m): 349.5

Assays				Litho				
Depth (m)	SampleID	Au (ppm)	Ag (ppm)	Depth (m)	Lith1	Txtr2	Txtr2	Comments
218.00	79839	0.005	0.15					
220.00	79840	0.005	0.15					
222.00	79842	0.005	0.15					
224.00	79843	0.005	0.15					202.4-249m: medium-grained (to fine-grained) dark green and with relict 1-4mm rounded, white-gray carbonate filled phenocrysts. Aleration is CHL/SER pervasive. Pyrite is finely disseminated in trace amounts. Minor veins.
226.00	79844	0.005	0.15		AND	MGN		227.2-227.5m: light grey indeterminate unit with sharp contacts -60/360 to core axis with 1-5% finely disseminated pyrite with increased carbonate veins. Some zones have possible <1mm black tourmaline (?)
228.00	79845	0.04	0.15					231.6m: 2cm white quartz-carbonate vein
230.00	79846	0.005	0.15					
232.00	79848	0.005	0.15					
234.00	79849	0.02	0.15					
236.00	79850	0.005	0.15					
238.00	79851	0.005	0.15					
240.00	79852	0.005	0.15					
242.00	79853	0.04	0.15					
244.00	79854	0.005	0.15					
246.00	79855	0.005	0.15					
248.00	79856	0.005	0.15					
250.00	79857	0.03	0.9	249.00				
252.00	79859	0.005	0.15		IND			Aphanitic zone with weak bedding (?) Has sharp contactes with andesite (approximately 70 degrees to core axis) Increase of biotite and fine pyrite
254.00	79860	0.005	0.15	253.40				
256.00	79861	0.005	0.15					
258.00	79862	0.005	0.15					
260.00	79863	0.005	0.15					
262.00	79864	0.005	0.15					
264.00	79865	0.03	0.15					
266.00	79867	0.005	0.15					
268.00	79868	0.005	0.15					
270.00	79869	0.005	0.15					
272.00	79870	0.005	0.15					
274.00	79871	0.005	0.15					
276.00	79872	0.005	0.15					
278.00	79874	0.005	0.15					
280.00	79875	0.09	0.4					
282.00	79876	0.22	0.6					

Project: SpringPole
Area: Not Recorded
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Gold Canyon
Program: 2013
Logger: Ashley Ripple

Hole name: SG13-203
Length (m): 349.5

Assays				Litho				
Depth (m)	SampleID	Au (ppm)	Ag (ppm)	Depth (m)	Lith1	Txtr2	Txtr2	Comments
284.00	79877	0.005	0.15					
286.00	79878	0.005	0.15					
288.00	79879	0.005	0.15					
290.00	79880	0.005	0.15					Back into medium to fine-grained dark green andesite. Increased alteration along fabric. Pervasive chlorite/sericite alteration with rare finely disseminated pyrite. increase of carbonate veins (10vns/2m) 264-265m: zone, 1-2cm with increase fine-grained biotite 279.5m: phenocrysts become less obviious with increase of fine biotite in groundmass 280m: core same as above except it is becoming finer grained or phenocrysts are less obvious. Overall core has more grey color with dark green hue. Increase of fine biotite. Decrease of chlorite-sericite 280.5-280.7m: fine biotite bands with increased finely disseminated pyrite (3-5%) 306-308m: core becomes darker grey with increase of finely disseminated pyrite 306.9m: trace honey-brown sphalerite with carbonate (not vein but in groundmass) 319.5-320m: aphanitic alteration halo around quartz vein 319-320m: wwhite, irregular quartz vein with angular clasts with intense chlorite alteration. There is filament looking pyrite and trace chalcopyrite. Most pyrite is in host rock while chalcopyrite is in vein 324.5-325m: light grey carbonate rich zone with 1-5% of finely disseminated pyrite 336-336.5m: light grey, carbonate rich zone with increased finely disseminated pyrite (similar as 324.5m) with dark grey-lack biotite stringers 349.5m: End of Hole
292.00	79881	0.005	0.15					
294.00	79882	0.005	0.15					
296.00	79883	0.02	0.15					
298.00	79884	0.02	0.15					
300.00	79885	0.005	0.15					
302.00	79886	0.005	0.15		AND	MGN		
304.00	79888	0.005	0.15					
306.00	79889	0.005	0.15					
308.00	79890	0.03	0.15					
310.00	79891	0.005	0.15					
312.00	79892	0.005	0.15					
314.00	79894	0.005	0.15					
316.00	79895	0.005	0.15					
318.00	79896	0.005	0.15					
320.00	79897	0.005	0.15					
322.00	79898	0.005	0.15					
324.00	79899	0.005	0.15					
326.00	79900	0.01	0.4					
328.00	79901	0.005	0.15					
330.00	79902	0.005	0.15					
332.00	79903	0.005	0.15					
334.00	79904	0.005	0.15					
336.00	79905	0.005	0.15					
338.00	79906	0.02	0.15					
340.00	79907	0.13	4.6					
342.00	79908	0.01	0.8					
344.00	79909	0.07	0.8					
346.00	79911	0.05	0.4					
348.00	79912	0.01	0.15					
349.50	79913	0.005	0.15	349.50				

Project: SpringPole
Area: Not Recorded
Claim: 1184813

Gold Canyon
Program: 2013
Logger: Ashley Ripple

Hole name: SG13-203
Length (m): 349.5

Assays				Litho				
Depth (m)	SampleID	Au (ppm)	Ag (ppm)	Depth (m)	Lith1	Txtr2	Txtr2	Comments

Project: SpringPole
Area: Not Recorded

Gold Canyon
Program: 2013
Logger: Ashley Ripple

Hole name: SG13-203
Length (m): 349.5

Mineralization

mFrom	mTo	Pyrite_Pct	Min1	Min1_Pct	Min2	Min2_Pct	Comments
0.00	37.20						Water Depth/No Recovery
37.20	51.00	0.5					
51.00	52.00	3					
52.00	56.00	0.5					
56.00	56.50	3					
56.50	57.00	0.5					
57.00	60.00	0.5					
60.00	61.50	0.5					
61.50	70.00	0.5					
70.00	76.00	0.5					
76.00	80.00	0.5					
80.00	88.50	0.5					
88.50	96.00	3	SPH	0.5			
					GAL	0.5	88.6m: 5mm joint/fracture coating with honey-light brown sphalerite and trace galena
96.00	112.50	0.5	CHP	0.5			104.9m: Trace chalcopyrite (trace-2%) in white carbonte vein
112.50	120.00	0.5					
120.00	131.90	3	CHP	0.5			129.1-129.4m: banded thick carbonate quartz vein with trace pyrite and ~1% CHP
131.90	146.00	0.5					
146.00	163.00	0.5					
163.00	165.00	0.5					
165.00	168.00	0.5					
168.00	191.00	0.5					
191.00	196.00	0.5					
196.00	200.00	0.5					
200.00	210.00	0.5					
210.00	230.00	0.5					
230.00	233.00	0.5					
233.00	260.00	0.5					
260.00	282.00	0.5					
282.00	298.00	0.5					
298.00	300.00	0.5					
300.00	306.00	0.5					
306.00	308.00	3	SPH	0.5			
							306.9m: trace honey brown sphalerite with carbonate (not vein but in groundmass)

Project: SpringPole
Area: Not Recorded

Gold Canyon
Program: 2013
Logger: Ashley Ripple

Hole name: SG13-203
Length (m): 349.5

Mineralization

mFrom	mTo	Pyrite_Pct	Min1	Min1_Pct	Min2	Min2_Pct	Comments
308.00	349.50	0.5	CHP	0.5			319-320m: filament looking pyrite and trace chalcopyrite. Most PY is in host rock while CHP is in VN

Project: SpringPole
Area: Not Recorded

Gold Canyon
Program: 2013
Logger: Ashley Ripple

Hole name: SG13-203
Length (m): 349.5

Veins

mDepth	mWidth	Vein1	Vein1_AlphaAngle	Vein1_Min1	Vein1_Min2	Vein1_Min3	Comments
54.70	0.00	QTZ	85				pinched quartz carbonate vein
56.20	0.00	CAR	70				
65.00	0.00	QTZ	90				perpendicular "S" offset TCA
72.00	0.10	CAR	65	Q			99 quartz/carbonate veinlets, sheared and disjointed-some boudinage
73.50	0.00	CAR					dolomite vein, irregular and disjointed
88.00	0.02	QTZ	75				quartz vein (2cm wide) with dark green chlorite halo
92.20	0.08	QTZ	70	B	P		quartz vein (8cm wide) with biotite infill and pyrite
94.50	2.00	QTZ	70				2 quartz veins (2-4cm wide) with chlorite infilling microfractures
101.50	3.50	CAR		Q	D		12 irregular quartz/carbonate with minor dolomite with dark green chlorite infill
122.00	0.06	QTZ		B	P		quartz veins (4-8cm) with intense biotite infill and pyrite
129.10	0.03	QTZ					25cm wide quartz vein. milky white/tan with minor pink potassic alteration, leaching from groundmass, sharp upper contact, sheared lower contact
133.50	1.50	CAR					6x 2-20cm wide carbonate veins-strongly sheared and disjointed in altered porphyry matrix
169.50	0.00	QTZ	35	S			quartz vein with CHP
175.60	0.00	CAR	65	B			carbonate vein with weak biotite infill
206.00	0.30	CAR	10				dolomite vein, irregular
231.60	0.02	QTZ	70				quartz vein (2cm wide)
239.20	0.20	CAR					irregular carbonate/dolmite? vein, anastamosing and sub parallel to TCA
250.20	0.00	QTZ	40				quartz vein with sharp 1cm offset
256.00	21.00	QTZ	60				99x ~35-75 degree quartz veins, about 4/meter
319.40	0.01	QTZ	35				15cm wide quartz vein disjointed at axis
320.00	29.50	CAR		Q			irregular quartz/carbonate, wispy veinlets

Project: SpringPole
Area: Not Recorded

Gold Canyon
Program: 2013
Logger: Ashley Ripple

Hole name: SG13-203
Length (m): 349.5

Alteration

mFrom	mTo	Alt1	Int	Alt2	Int	Alt3	Int	Alt4	Int	Comments
0.00	37.50	WTR								
37.50	40.50	SER	3	CHL	3					
40.50	43.00	BIO	2							
43.00	56.00	CHL	3	SER	3					
56.00	56.50	SER	2							
56.50	81.00	SER	3	CHL	3					
81.00	88.50	BIO	3	SER	1					
88.50	96.00	BIO	2	KSP	3	SIL	3			
96.00	100.00	BIO	2	SER	2					
100.00	108.30	BIO	3	SER	3					
108.30	108.70	BIO	3							
108.70	114.00	SER	2	BIO	2					
114.00	117.00	SER	3	BIO	1					
117.00	120.00	BIO	2	SER	2					
120.00	131.90	BIO	3	SER	3					
131.90	144.00	KSP	3	SIL	3	SER	1			
144.00	202.40	BIO	3	SER	3					
202.40	220.00	SER	3	CHL	3	BIO	1			
220.00	249.00	CHL	3	SER	3					
249.00	253.40	BIO	2							
253.40	279.50	SER	3	CHL	3					
279.50	280.00	CHL	3	SER	3	BIO	1			
280.00	340.00	CHL	2	BIO	2	SER	2			
340.00	349.50	CHL	3	BIO	3	SER	3			

Project: SpringPole
Area: Not Recorded

Gold Canyon
Program: 2013
Logger: Ashley Ripple

Hole name: SG13-203
Length (m): 349.5

Color

mFrom	mTo	Color1	Int	Color2	Comments
0.00	37.20				Water Depth/No Recovery
37.20	40.50	GRN	MD		
40.50	43.00	GRY	DK		
43.00	56.00	GRN	MD		
56.00	56.50	GRY	LT		
56.50	81.00	GRN	MD		
81.00	88.50	GRY	DK		
88.50	96.00	GRY	MD		
96.00	108.30	GRY	DK		
108.30	108.70	BLK			
108.70	114.00	GRN	MD	GRY	
114.00	120.00	GRY	MD		
120.00	131.90	GRY	DK		
131.90	144.00	GRN	MD		
144.00	160.00	GRY	DK		
160.00	180.00	GRY	MD		
180.00	202.40	GRY	MD	GRN	
202.40	249.00	GRN	DK		
249.00	253.40	BLK			
253.40	280.00	GRN	DK		
280.00	320.00	GRN	DK	GRY	
320.00	349.50	GRN	DK		

Project: SpringPole
Area: Not Recorded

Gold Canyon
Program: 201
Logger: Ashley Ripple

Hole name: SG13-203
Length (m): 349.5

Carbonate and Void Space

mFrom	mTo	Void_pctCod	Carb_IntCod	Comments
0.00	37.20			Water Depth/No Recovery
37.20	51.00	0	3	
51.00	80.00	0	4	
80.00	114.00	0	2	
114.00	118.50	0	1	
118.50	120.00	0	0	
120.00	144.00	0	3	
144.00	166.00	0	2	
166.00	177.00	0	3	
177.00	205.00	0	4	
205.00	207.00	0	2	
207.00	208.50	1	2	
208.50	215.00	0	2	
215.00	220.00	0	3	
220.00	300.00	0	4	
300.00	335.00	0	3	
335.00	349.50	0	4	

Project: SpringPole
Area: Not Recorded

Gold Canyon
Program: 2013
Logger: Ashley Ripple

Hole name: SG13-203
Length (m): 349.5

Geotech

mFrom	mTo	Recov_m	Recov_pct	RQD_m	RQD_pct	StrengthCo	Comments

Gold Canyon

Project	SpringPole			*Hole name*	**SG13-204**
Area	Not Recorded	*Program*	2013	*Length (m)*	351
Claim	1184813	*Hole Type*	Diamond Drill	*Size*	HQ
Drill Contractor	Rodren	*Other Hole name*		*Data Origin*	GEO5-LENOVO
Drill Rig	2	*Cassing Pulled*	Unknown	*Data Date*	3/28/2013
Date Started	2/24/2013	*Cassing (m)*		*Data BY*	Geology
Date Finished	3/4/2013				
Logger	Ashley Ripple	*Log Date*	3/4/2013		
Target					
Hole Comments	Geotechnical hole drilled on the ice. Site GT04.				
Collar survey Date	3/3/2013	*Survey By*	John Nguyen	*Method*	Trimble R8
Survey Notes					

Collar coordinates

Grid	Name	x	Y	z	Az	Dip
Original	UTM84-15N	549,520.85	5,693,730.33	391.08	19.00	-65.00
Preferred	UTM84-15N	549,520.85	5,693,730.33	391.08	19.00	
Local						
Lat Long						

Down-hole surveys

SurveyDHDesc	mDepth	Dip	AzOrig	AzLocal	AzPref	AzMag	MagField	Remarks
d - Gyro (readings taken u	0.00	-65.04	19.00		19.00			
yro (readings taken upwar	10.00	-65.84	18.48		18.48			
yro (readings taken upwar	20.00	-65.44	18.65		18.65			
yro (readings taken upwar	30.00	-66.28	17.42		17.42			
yro (readings taken upwar	40.00	-66.28	16.28		16.28			
yro (readings taken upwar	50.00	-66.67	16.88		16.88			
yro (readings taken upwar	60.00	-66.07	17.04		17.04			
yro (readings taken upwar	70.00	-66.43	17.62		17.62			
yro (readings taken upwar	80.00	-66.29	17.82		17.82			
yro (readings taken upwar	90.00	-66.45	17.90		17.90			
yro (readings taken upwar	100.00	-66.96	18.31		18.31			
yro (readings taken upwar	110.00	-67.25	18.67		18.67			
yro (readings taken upwar	120.00	-67.50	19.32		19.32			
yro (readings taken upwar	130.00	-67.16	19.60		19.60			
yro (readings taken upwar	140.00	-67.14	20.00		20.00			
yro (readings taken upwar	150.00	-67.27	20.05		20.05			
yro (readings taken upwar	160.00	-67.41	20.41		20.41			
yro (readings taken upwar	170.00	-67.56	20.37		20.37			
yro (readings taken upwar	180.00	-67.54	20.85		20.85			
yro (readings taken upwar	190.00	-67.61	21.06		21.06			
yro (readings taken upwar	200.00	-67.68	21.08		21.08			
yro (readings taken upwar	210.00	-67.60	21.29		21.29			
yro (readings taken upwar	220.00	-67.60	21.29		21.29			
yro (readings taken upwar	230.00	-67.57	21.54		21.54			
yro (readings taken upwar	240.00	-67.55	21.65		21.65			
yro (readings taken upwar	250.00	-67.44	21.78		21.78			
yro (readings taken upwar	260.00	-67.48	22.00		22.00			
yro (readings taken upwar	270.00	-67.47	22.19		22.19			
yro (readings taken upwar	280.00	-67.41	22.07		22.07			
yro (readings taken upwar	290.00	-67.39	22.45		22.45			

yro (readings taken upwar	300.00	-67.35	22.43		22.43			
yro (readings taken upwar	310.00	-67.43	22.45		22.45			
yro (readings taken upwar	320.00	-67.48	23.11		23.11			
yro (readings taken upwar	330.00	-67.70	23.92		23.92			
yro (readings taken upwar	340.00	-67.70	24.24		24.24			

Relating Certificates

LabCode	Status	CertName	CertDate	Between	and	SampleGen
SGS	QC-NR	RL1300804	3/28/2013	25.50	115.00	0
SGS	QC-NR	RL1300845	4/18/2013	115.00	189.00	0
SGS	QC-NR	RL1300936	4/11/2013	189.00	351.00	0

Control Samples

SampleID	mFrom	mTo	SampleCode	SampleGen	Au_ppm	WtRecvd_kg	Au_CertName
84285	70.00	72.00	2-DUPF	0	0.00	3.50	RL1300804
84359	199.00	201.00	2-DUPF	0	0.18	4.30	RL1300936
84398	269.00	271.00	2-DUPF	0	0.02	3.30	RL1300936
84408	287.00	289.00	2-DUPF	0	0.01	3.80	RL1300936
84273	48.00	50.00	2-DUPL	0	0.00		RL1300804
84303	99.00	101.00	2-DUPL	0	0.01		RL1300804
84348	179.00	181.00	2-DUPL	0	0.00		RL1300845
84365	209.00	211.00	2-DUPL	0	0.03		RL1300936
84429	323.00	325.00	2-DUPL	0	0.00	2.70	RL1300936
84264	34.00		Blk-BL9	0	0.00	1.50	RL1300804
84311	115.00		Blk-BL9	0	0.00	1.40	RL1300845
84387	251.00		Blk-BL9	0	0.00	1.10	RL1300936
84417	305.00		Blk-BL9	0	0.00	1.50	RL1300936
84334	156.00		Std-3J-GS	0	2.74	0.10	RL1300845
84376	231.00		Std-High	0	2.15	0.05	RL1300936
84297	91.00		Std-Low	0	0.32	0.05	RL1300804
84322	134.00		Std-Mid	0	0.80	0.05	RL1300845
84435	334.30		Std-Mid	0	0.75	0.05	RL1300936

Number of entries per table

Litho	Alt	Minz	Geotech	Struct	Vein	Photos	Scans
17	15	28	0	23	14	0	0

Springpole Project

Lithologic and Structural Code Identifiers for Loggers

	Color
BLK	Black
BLU	Blue
BRN	Brown
GRN	Green
GRY	Gray
ORG	Orange
PNK	Pink
PUR	Purple
RED	Red
WHT	White
YLW	Yellow

	Color Intesity
LT	Light
MD	Medium
DK	Dark

	Lithologies
AND	Andesite
TRA	Trachyte
POR	Porphyry Dyke
MSD	Metasediments
MSC	Metasedimentary Conglomerate
BIF	Banded Iron Formation
VBX	Volcanic breccia
LAM	Lamprophyre dyke
CRB	Carbonatite
MSM	Muscovite Seam
TUF	Tuff
QPD	Quartz Porphyry Dike
NRC	No recovered core
OBN	Overburden
IND	Indeterminate

	Alteration
ALB	Albite
ARG	Argillic
BIO	Biotite
CHL	Chlorite
EPI	Epidote
FEX	Iron Oxide
GOE	Goetite
HEM	Hematite
JAR	Jarosite
KSP	K-feldspar
POT	Potatssic
SER	Sericite
SIL	Silica
TAL	Talc

	Accessory Minerals
AG	Silver
AU	Gold
CHP	Chalcopyrite
FLU	Fluorite
GAL	Galena
MAR	Marcasite
PYH	Pyrrhotite
ROE	Roscoelite
SPH	Sphalerite
TOU	Tourmaline

Sulfides (Pyrite %)
<1%
1-5%
5-10%
10-15%
>15%

	Textures
APH	Aphanitic
FGN	Fine Grained
MGN	Medium Grained
CGN	Coarse Grained
PRP	Porphyritic
MEG	Megacrystic
BIM	Bimodal
BX	Breccia
CBX	Chaotic Breccia
KBX	Crackle Breccia
MBX	Mosaic Breccia
MYL	Mylonitic
SCH	Schistose

	Intensity Scale (%)
	Void Space, Magnetism, Alteration, CaCO3, Closed Structures
1	Very Weak (1-5%)
2	Weak (5-15%)
3	Moderate (15-30%)
4	Strong (30-60%)
5	Intense (<60%)

	Structures
BD	Bedding
CN	Contact
FL	Fault
JN	Joint
FR	Fracture
LN	Lineation
SH	Shear
FO	Foliation

	Strength
1	Clay
2	Sand
3	Very soft rock
4	Soft rock
5	Moderately soft rock
6	Moderately hard rock
7	Hard rock
8	Very hard rock
9	Extremely hard rock

	Fracture Density	
1	Very Slightly Fractured	(>1 m)
2	Slightly Fractured	(0.3-1.0 m)
3	Moderately Fractured	(0.1-0.3 m)
4	Intensely Fractured	(<0.1 m)
5	Very Intensely Fractured (rubble)	

	Vein Type
QTZ	Quartz
BIO	Biotite
CAR	Carbonate
EPI	Epidote
FLU	Fluorite
GYP	Gypsum
SUL	Sulfide

	Vein Accessory Minerals
B	Biotite
C	Calcite
D	Dolomite
E	Epidote
F	Fluorite
G	Gypsum
P	Pyrite
Q	Quartz
S	Sulfides

Project: SpringPole
Area: Not Recorded
Claim: 1184813

Gold Canyon
Program: 2013
Logger: Ashley Ripple

Hole name: SG13-204
Length (m): 351

Assays				Litho				
Depth (m)	SampleID	Au (ppm)	Ag (ppm)	Depth (m)	Lith1	Txtr2	Txtr2	Comments
	NoSample198			19.30	WTR			Water
25.50				25.50	OBN			Overburden; redrilled gravel and blocky fragments
CertName= RL1300804								
28.50	84260	0.06						
30.00	84261	0.04						
32.00	84262	0.02						
34.00	84263	0.06						
36.00	84265	0.005						
38.00	84266	0.03						
40.00	84267	0.06						
42.00	84268	0.02						25.5-67.5m: Coarse-grained megacrystic feldspar porphyry with feldspar grains ranging from 5mm to several cm.
44.00	84269	0.02						25.5-61.5m: Feldspar grains are smaller, more fragmental. Core is white with rare zones that are light green. Core is chalky due to intense sericite/argillic alteration that is pervasive throughout. Sulfides finely disseminated. Some that are large enough to see have cubic habit. Core is moderately jointed/broken with zones that crumble when touched.
46.00	84270	0.1						48.0-48.5m: Clay-gouge zone
48.00	84271	0.04			POR	CGN		54.0-61.5m: Porphyry feldspar grains become less fragmental and increase in size.
50.00	84272	0.005						61.5-67.0m: Core is fractionally less altered with less argillic alteration. Core is overall becoming more competent with less of a chalky appearance. As feldspar grain size increases, void space adjacent to grains increases.
52.00	84274	0.01						
54.00	84275	0.01						
56.00	84276	0.005						
58.00	84277	0.005						
60.00	84278	0.005						
62.00	84279	0.04						
64.00	84280	0.005						
66.00	84281	0.005						
68.00	84282	0.005		67.50				
70.00	84283	0.005						
72.00	84284	0.005						67.5-79.5m: Core is same as described above. Grain size averages 1cm. Angular light pink/white tabular feldspars. Core is crackle-brecciated with sericite/carbonate filling.
74.00	84286	0.005			POR	MEG	KBX	72.5-85.0m: Core is very hard/strong with potassium-feldspar or silica flooding.
76.00	84287	0.005						79.0-79.5m: Increase of local brecciation as you move downhole to contact. Feldspars are subrounded with zonation (alteration? since it's at contact).
78.00	84288	0.01						
79.50	84289	0.01		79.50				
81.00	84290	0.03						
83.00	84291	0.01			TRA	APH	BX	79.5-85.5m: Aphanitic to fine-grained trachyte with crackle to mosaic breccia texture. This is on line between trachyte and andesite. Core is very hard (silica/potassium feldspar flooding) with very weak biotite in trachyte clasts. Breccia clasts are angular to subangular, 1-2cm with carbonate+sericite cement. Sulfides are finely disseminated.
84.00	84292	0.005						80.0-82.0m: 1-5% finely disseminated sphalerite and galena (?) in breccia cement zones.
85.50	84293	0.005		85.50				

Project: SpringPole
Area: Not Recorded
Claim: 1184813

Gold Canyon
Program: 2013
Logger: Ashley Ripple

Hole name: SG13-204
Length (m): 351

Assays				Litho				
Depth (m)	SampleID	Au (ppm)	Ag (ppm)	Depth (m)	Lith1	Txtr2	Txtr2	Comments
87.00	84294	0.06						
89.00	84295	0.11						
91.00	84296	0.02						
93.00	84298	0.005						
95.00	84299	0.01						85.5-114.3m: Fine to medium-grained andesite. Grains are white to light green with partial/full sericite replacement, rounded and stretched. Andesite is moderately sheared/foliated, competent. Moderate biotite and sericite alteration pervasive in groundmass. Decrease in sulfides to less than 1% finely disseminated.
97.00	84300	0.005						85.5-88.5m: Andesite is chaotically brecciated with increased argillic alteration (marks contact).
99.00	84301	0.005						88.5m: Abundant 1-5mm carbonate veinlets that are roughly subparallel to each other.
101.00	84302	0.005			AND	FGN	BX	93.0-97.5m: Black, unknown, hard mineral creating veinlet halos.
103.00	84304	0.01						98.0m: Slight increase in finely disseminated pyrite (1-5%) in clusters.
105.00	84305	0.02						104.0-105.0m: 1-5% finely disseminated pyrite with sphalerite and galena.
107.00	84306	0.01						108.0-114.3m: Same as 93.0-97.5m. Increased bleeding into country rock in zones where core is grey; it looks more like trachyte and where it is green it looks more like andesite.
109.00	84307	0.005						
111.00	84308	0.05						
113.00	84309	0.06						
115.00	84310	0.02		114.30				
CertNames= RL1300845								
117.00	84312	0.005	0.15					
119.00	84313	0.005	0.15					
121.00	84314	0.02	0.15					114.3-132.0m: Contact (?) at 114.3m, bleaching. Andesite changes to finer-grained, less altered, and less sheared. Alteration is biotite, weak in groundmass. Grains are unaltered, white, rounded.
123.00	84315	0.005	0.15		AND	FGN	MGN	120.5-132.0m: Slight grain size increase, 1-7mm, white, rounded. Gives rock a "speckled" appearance.
125.00	84316	0.005	0.15					130.5-132.0m: Core loses speckled appearance.
127.00	84317	0.005	0.15					
129.00	84318	0.005	0.15					
131.00	84319	0.005	0.15					
132.00	84320	0.005	0.15	132.00				
134.00	84321	0.005	0.3					
136.00	84323	0.54	0.15					
138.00	84324	0.01	0.15					
140.00	84325	0.005	0.15					
142.00	84326	0.005	0.3					
144.00	84327	0.03	1.9					
146.00	84328	0.05	2.4					
148.00	84329	0.01	0.15					132.0-168.2m: Volcanic breccia with chaotic breccia texture. Clasts are 2-50cm, rounded, with juvenile appearance. Breccia is matrix-supported with trachyte/andesite clasts, dark gray-green. Dominated by megacrystic porphyry clasts. The megacrystic porphyry clasts vary from white-pink feldspars, 2-15mm, some look milled and others equant, others have zoning. Sheraed texture is not apparent.
150.00	84330	0.005	0.15					

Project: SpringPole
Area: Not Recorded
Claim: 1184813

Gold Canyon
Program: 2013
Logger: Ashley Ripple

Hole name: SG13-204
Length (m): 351

Assays				Litho				
Depth (m)	SampleID	Au (ppm)	Ag (ppm)	Depth (m)	Lith1	Txtr2	Txtr2	Comments
152.00	84331	0.005	0.15		VBX	CBX		Sulfides are finely disseminated, 1-5%. Thin, 1-4mm, discontinuous quartz-carbonate veinlets. 150.0-160.0m: Increase of sulfides, concentrated on joints. 160.0-163.5m: Matrix-dominated. 162.8-168.2m: Porphyry clast with zoned coarse-grained/bimodal feldspars with white cores and brown-black rims.
154.00	84332	0.01	0.15					
156.00	84333	0.005	0.15					
158.00	84335	0.01	0.15					
160.00	84336	0.005	0.15					
162.00	84337	0.005	0.15					
164.00	84338	0.02	0.8					
166.00	84339	0.005	0.15					
168.00	84340	0.005	0.15					
169.40	84341	0.005	0.15	168.20				
				169.40	IND			168.2-169.4m: Indeterminate dike with clear bleaching at contacts. Fine-grained/aphanitic, speckled, similar to zone in andesite.
171.00	84342	0.12	0.15	171.00	POR	CGN		169.4-171.0m: Coarse-grained porphyry, similar to porphyry clast at 162.8-168.2m except with less zoning.
173.00	84343	0.02	0.15		AND	FGN	KBX	171.0-189.0m: Andesite, fine-grained, medium-grained, and aphanitic (variable throughout). Alteration is weak sericite-biotite in groundmass. Core is crackle-brecciated with white carbonate veinlets as cement. 172.0-181.0m: Increased shearing. 175.0m: Increased carbonate veining, white 1-5mm discontinuous carbonate veinlets. 176.0-200.0m: Very weak magnetism, intervals of varying magnetism within. 182.0-186.0m: Patchy trace sulfides. 186.0-192.2m: Honey-brown sphalerite with some pyrite and galena.
175.00	84344	0.005	0.15					
177.00	84345	0.005	0.3					
179.00	84346	0.005	0.7					
181.00	84347	0.005	0.15					
183.00	84349	0.02	0.5					
185.00	84350	0.005	0.15					
187.00	84351	0.01	0.6					
189.00	84352	0.005	0.5	189.00				
CertName= RL1300936								
191.00	84353	0.05			AND	MGN	KBX	189.0-197.0m: Same as above except for increase in grain size from 3-7mm, on verge of being coarse-grained. White/green, subrounded.
193.00	84354	0.01						
195.00	84355	0.01						
197.00	84356	0.005		197.00				
199.00	84357	0.06						197.0-262.7m:Core is fine-grained/aphanitic andesite/other volcanic. Broken 1-5cm clasts, rounded/subrounded, elongated/sheared, with fine biotite and pyrite between grains/matrix. Breccia is clast-supported. Core is very hard (potassium-feldspar/silica), flooding gives core slight brown coloration. Sulfides variably finely disseminated, veins less frequent. 198.0-200.0m: Shear zone with increased sulfides.
201.00	84358	0.23						
203.00	84360	0.02						
205.00	84361	0.03						
207.00	84362	0.01						
209.00	84363	0.02						
211.00	84364	0.03						
213.00	84366	0.06						
215.00	84367	0.06						

Project: SpringPole
Area: Not Recorded
Claim: 1184813

Gold Canyon
Program: 2013
Logger: Ashley Ripple

Hole name: SG13-204
Length (m): 351

Assays				Litho				
Depth (m)	SampleID	Au (ppm)	Ag (ppm)	Depth (m)	Lith1	Txtr2	Txtr2	Comments
217.00	84368	0.03						206.0m: Joint perpendicular to core axis. Coated with black 3-5mm booked biotite and white calcite.
219.00	84369	0.02						212.9m: 5cm carbonate-pyrite band/vein? Shows possible zoning.
221.00	84370	0.03						213.0-215.0m: Increase in sulfides (closer to 10%) with possible banding of pyrite.
223.00	84371	0.005						213.9m: Carbonate-pyrite-quartz vein with purple fluorite.
225.00	84372	0.03						216.0-225.0m: Very weak zones of magnetism.
227.00	84373	0.02						222.0-230.0m: Zones 0.5-1.0m long with amygdules with carbonate. Spherical 3-5mm white. These are mixed zones that have white 1-4mm feldspar grains but feldspars are more angular than amygdules.
229.00	84374	0.01						225.0-260.0m: Moderately magnetic
231.00	84375	0.05			AND	CBX	KBX	227.0-241.5m: Small 2-5mm cubic magnetite grains.
233.00	84377	0.02						229.2m: 1-2cm pyrite bleb, smaller grains cemented together, irregular, euhedral/subhedral individual grains.
235.00	84378	0.03						229.0-230.0m: Breccia has much more of a heterolithic, clast-supported texture.
237.00	84379	0.01						231.0-238.0m: 2-10mm amygdules with cream-white carbonate filling.
239.00	84380	0.01						234.0m: Decrease in sulfides/pyrite percentage. Closer to 1%, finely disseminated but generally occurring in matrix.
241.00	84381	0.01						238.4-240.0m: Relict white/cream rounded phenocrysts, still hard.
243.00	84382	0.005						239.0-241.5m: 2-5mm cubic magnetite.
245.00	84383	0.005						245.5-247.0m: Minimum three generations of veins:1) 2-5mm white calcite/pink quartz/biotite with dark grey/black selvages, 2) Hairline black veinlets (biotite?) that terminate at vein 1; selvage material may be the same as hairline vein material, and 3) irregular 5-10mm carbonate/quartz veins, white.
247.00	84384	0.005						250.5-252.0m: Amygdules increase in size, 5-10mm or greater.
249.00	84385	0.005						256.5-259.0m: Small 2-5mm cubic magnetite grains.
251.00	84386	0.005						258.0m: Core becomes more chaotic and sheared.
253.00	84388	0.005						259.5-262.7m: Gradational contact zone with increased shearing and fragmentation of breccia grains. Upper contact of volcanic breccia noted by first clast that is distinctly not andesite.
255.00	84389	0.005						260.0m: Core is not magnetic.
257.00	84390	0.005						
259.00	84391	0.005						
261.00	84392	0.005						
262.70	84393	0.005		262.70				
265.00	84394	0.03						
267.00	84395	0.01						
269.00	84396	0.01						
271.00	84397	0.02						
273.00	84399	0.03						
275.00	84400	0.03						
277.00	84401	0.005						262.7-319.3m: Volcanic breccia with chaotic breccia texture. Zones of clast-supported and zones of matrix-supported. Clasts range in size from 3-200mm and are subrounded/rounded. Zones of intense shearing elongate clasts. Clasts are megacrystic porphyry and trachyte. There are a number that are unknown due to alteration. Pyrite still finely disseminated, closer to 1%. Core is harder and clasts have a glassy-brown appearance. At this point veins are less frequent.
279.00	84402	0.005						
281.00	84403	0.005						
283.00	84404	0.01						264.5-265.5m: Weak crackle breccia texture overprinting other textures.
285.00	84405	0.005						268.5-274.0m: Increase of finely disseminated pyrite, increased concentration in matrix.
								272.4m: 0.1m zone of 3-5mm cubic/subhedral pyrite grains

Project: SpringPole
Area: Not Recorded
Claim: 1184813

Gold Canyon
Program: 2013
Logger: Ashley Ripple

Hole name: SG13-204
Length (m): 351

Assays				Litho				
Depth (m)	SampleID	Au (ppm)	Ag (ppm)	Depth (m)	Lith1	Txtr2	Txtr2	Comments
287.00	84406	0.005						273.5m: Breccia more heterolithic, first megacrystic porphyry clast (moderately/partially assimilated). Clasts have pink coloration.
289.00	84407	0.005						276.5m: Cherty clasts, purple/red, not magnetic.
291.00	84409	0.005						282.0-286.5m: Some textures look fluidal (due to shearing or breccia cemented with hot matrix?). Some clasts have juvenile habit (283.5m)
293.00	84410	0.01			VBX	CBX		282.7m: 0.1m clast of white carbonate.
295.00	84411	0.02						285.0-286.5m: Clasts much smaller and more rounded. Appears to be multiple generations of brecciation.
297.00	84412	0.01						287.0-289.0m: Porphyry clasts much more pink in color. Increased shear and fluidal texture.
299.00	84413	0.005						288.4-289.0m: Carbonate vein with host rock clasts within.
301.00	84414	0.03						294.0m: Core becomes less brecciated, chaotic, and heterolithic.
303.00	84415	0.04						295.5m: Small 3-6mm bleb of chalcopyrite in trace amount.
305.00	84416	0.02						295.5-304.5m: Decrease in overall clast size, matrix-supported.
307.00	84418	0.04						304.5-307.0m: Increase in chaotic nature, more clast-supported.
309.00	84419	0.04						305.0m: Possible clasts of chery metasediments.
311.00	84420	0.02						307.0m: Less chaotic, increase in pyrite (closer to 5%).
313.00	84421	0.01						311.0-315.5m: Possible banded/bedded metasediments. Cherty, bedded, appears with thin bands/veins of pyrite 1-3mm wide.
315.00	84422	0.005						315.0m: Breccia looks monolithic or matrix-dominated.
317.00	84423	0.005						
318.00	84424	0.03						
319.30	84425	0.005		319.30				
321.10	84426	0.005		321.10	LAM			319.3-321.1m: Lamprophyre dike with sharp contacts. Moderate biotite/argillic alteration make core soft. Has white speckled appearance of carbonate (calcite and dolomite infilling where phenocrysts were).
323.00	84427	0.005						
325.00	84428	0.005						321.0-334.5m: Aphanitic trachyte? Possible andesite, similar to matrix of volcanic breccia. Phenocrysts, if present, appear to be white-cream, relict, 3-4mm. Significant spherical amygdules or possible phenocrysts, 2-6mm. Core is hard (potassium feldspar/silica flooding). Thin white discontinuous carbonate veins, rare quartz veins, rare pyrite.
327.00	84430	0.005						327.0-328.0m: Zone of increased pyrite, closer to 1%.
329.00	84431	0.01			TRA	APH		331.0-349.0m: 2-6mm cubic magnetite grains, generally in small 1cm bands.
331.00	84432	0.005						
333.00	84433	0.005						
334.30	84434	0.005		334.30				
336.00	84436	0.005						
338.00	84437	0.01						334.5-351.0m: Volcanic breccia with chaotic breccia texture. Clast-supported, looks relatively monolithic - possible trachyte or andesite? Clasts are 0.05-10cm, angular to subangular. Matrix is other volcanics and carbonate. Core still has some alteration.
340.00	84438	0.005						340.5-346.1m: Breccia has a tear-apart texture.
342.00	84439	0.005						342.0-343.0m: Abundant broken fragments of magnetite vein.
344.00	84440	0.005			VBX	CBX		348.0-351.0m: Less chaotic and brecciated, looks like aphanitic trachyte.
346.00	84441	0.005						349.5-351.0m: Possible white-cream relict phenocrysts, rounded, 3-5mm.
348.00	84442	0.005						351.0m: End of hole.
350.00	84443	0.005						
351.00	84444	0.005		351.00				

Project: SpringPole
Area: Not Recorded
Claim: 1184813

Gold Canyon
Program: 2013
Logger: Ashley Ripple

Hole name: SG13-204
Length (m): 351

Assays				Litho				
Depth (m)	SampleID	Au (ppm)	Ag (ppm)	Depth (m)	Lith1	Txtr2	Txtr2	Comments

Project: SpringPole
Area: Not Recorded

Gold Canyon
Program: 2013
Logger: Ashley Ripple

Hole name: SG13-204
Length (m): 351

Mineralization

mFrom	mTo	Pyrite_Pct	Min1	Min1_Pct	Min2	Min2_Pct	Comments
25.50	80.00	0.5					
80.00	85.00	3	SPH	3			Sphalerite in cement of breccia
85.00	98.00	0.5					
98.00	104.00	3	SPH	3	GAL	3	finely disseminated minerals
104.00	114.00	3					
114.00	118.00	3					
118.00	120.00	3					
120.00	132.00	0.5					
132.00	168.00	3					
168.00	176.00	0.5					
176.00	182.00	0.5					
182.00	198.00	3	SPH	0.5	SPH	3	Trace SPH at 182-186m, increased at 186-192.2m
198.00	200.00	7.5					
200.00	210.00	3					
210.00	216.00	7.5	FLU	0.5			FLU as vein accessory mineral at 213.9m
216.00	225.00	7.5					
225.00	260.00	3					
260.00	268.50	3					
268.50	274.00	7.5					
274.00	309.00	3	CHP	0.5			Trace CHP blebs at 295.5m
309.00	319.30	7.5					
319.30	321.10	0.5					Lamp dike
321.10	324.00	0.5					
324.00	327.00	0.5					
327.00	328.00	3					
328.00	334.30	0.5					
334.30	349.00	3					
349.00	351.00	3					

Project: SpringPole
Area: Not Recorded

Gold Canyon
Program: 2013
Logger: Ashley Ripple

Hole name: SG13-204
Length (m): 351

Veins

mDepth	mWidth	Vein1	Vein1_AlphaAngle	Vein1_Min1	Vein1_Min2	Vein1_Min3	Comments
55.75	0.00	QTZ	24				broken smokey qtz vein in altered porphyry
103.20	0.10	QTZ	18	C			low angle quartz-carbonate vein
141.50	0.02	QTZ	13	C			large low angle quartz vein with white carbonate rim and specks of
					B		biotite
152.20	0.02	QTZ	37	C			
							brecciated quartz-carbonate vein with patchy sericite alteration
176.60	0.01	QTZ	40	C			smokey quartz, along foliation, minor carbonate
208.30	0.00	QTZ	45	C	B		patchy pink and white quartz with specks of biotite
213.50	0.20	CAR	18				extensive low-angle carbonate vein
216.80	0.01	QTZ	45	C			irregular carbonate vein with very fine-grained pyrite and a patch of
					P	F	faint fluorite?
218.70	0.10	QTZ	40	C			smokey quartz with carbonate rimming
219.40	0.01	QTZ	58				pink and gray quartz
219.60	0.06	QTZ	20	P			
					B		patchy cloudy pink/cream quartz with pyrite and biotite specks
245.50	0.00	CAR	60	Q			
					B		ten thin veinlets 1-4mm wide, calcite/biotite/quartz, white/pink/black
303.20	0.01	CAR	45	Q	B	P	Thin carb/quartz/biotite/pyrite veinlet
312.10	0.05	CAR	20				Thin carb vein

Project: SpringPole
Area: Not Recorded

Gold Canyon
Program: 2013
Logger: Ashley Ripple

Hole name: SG13-204
Length (m): 351

Alteration

mFrom	mTo	Alt1	Int	Alt2	Int	Alt3	Int	Alt4	Int	Comments
25.50	61.50	SER	4	ARG	4					
61.50	67.50	SER	4	ARG	3					
67.50	72.50	SER	3	ARG	2					
72.50	79.50	KSP	4	SIL	4					Could be either one, not both?
79.50	85.50	KSP	4	SIL	4	BIO	2			Either KSP or SIL not both?
85.50	93.00	SER	2	BIO	2					
93.00	114.30	SER	3	BIO	1					
114.30	132.00	BIO	2							
132.00	160.00	BIO	2	SER	2					
160.00	171.00	SER	3	BIO	2					
171.00	197.00	SER	2	BIO	2					
197.00	262.70	KSP	3	SIL	3	BIO	2			Either SIL or KSP, not both?
262.70	319.30	KSP	4	SIL	4	BIO	2			Either SIL or KSP, not both?
319.30	320.00	BIO	4	ARG	2					
320.00	321.10	BIO	4	ARG	4					Lamprophyre dike

Project: SpringPole
Area: Not Recorded

Gold Canyon
Program: 2013
Logger: Ashley Ripple

Hole name: SG13-204
Length (m): 351

Color

mFrom	mTo	Color1	Int	Color2	Comments
25.50	67.50	WHT			POR
67.50	79.50	GRN	LT	WHT	POR
79.50	85.50	GRY	DK		AND
85.50	114.30	GRN	MD	GRY	AND
114.30	120.00	GRY	DK		AND
120.00	132.00	GRY	DK	BLK	AND
132.00	171.00	GRY	DK		VBX
171.00	197.00	GRN	MD	GRY	AND
197.00	319.30	GRY	DK		AND, VBX
319.30	321.10	BLK			LAM
321.10	351.00	GRY	DK		TRA, VBX

Project: SpringPole
Area: Not Recorded

Gold Canyon
Program: 201
Logger: Ashley Ripple

Hole name: SG13-204
Length (m): 351

Carbonate and Void Space

mFrom	mTo	Void_pctCod	Carb_IntCod	Comments
25.50	71.00	3	0	
71.00	85.50	0	0	
85.50	87.00	2	0	
87.00	99.00	0	0	
99.00	114.00	0	1	
114.00	132.00	0	0	
132.00	164.00	0	3	
164.00	175.00	0	4	
175.00	200.00	0	3	
200.00	207.00	0	2	
207.00	310.00	0	0	
310.00	319.00	0	2	
319.00	321.10	1	2	
321.10	351.00	0	2	

Project: SpringPole
Area: Not Recorded

Gold Canyon
Program: 2013
Logger: Ashley Ripple

Hole name: SG13-204
Length (m): 351

Geotech

mFrom	mTo	Recov_m	Recov_pct	RQD_m	RQD_pct	StrengthCo	Comments

Gold Canyon

Project	SpringPole			*Hole name*	**SG13-205**
Area	Not Recorded	*Program*	2013	*Length (m)*	349.5
Claim	1184813	*Hole Type*	Diamond Drill	*Size*	HQ
Drill Contractor	Rodren	*Other Hole name*		*Data Origin*	GEO5-LENOVO
Drill Rig	1	*Cassing Pulled*	Unknown	*Data Date*	3/27/2013
Date Started	3/6/2013	*Cassing (m)*		*Data BY*	Geology
Date Finished	3/12/2013				
Logger	Ashley Ripple	*Log Date*	3/10/2013		
Target					
Hole Comments	Geotechnical hole drilled on the ice. Site GT03.				
Collar survey Date	3/6/2013	*Survey By*	John Nguyen	*Method*	Trimble R8
Survey Notes					

Collar coordinates

Grid	Name	x	Y	z	Az	Dip
Original	UTM84-15N	549,782.40	5,693,446.62	391.25	30.00	70.00
Preferred	UTM84-15N	549,782.40	5,693,446.62	391.25	30.00	
Local						
Lat Long						

Down-hole surveys

SurveyDHDesc	mDepth	Dip	AzOrig	AzLocal	AzPref	AzMag	MagField	Remarks
d - Gyro (readings taken u	80.00	-68.72	32.96		32.96			
d - Gyro (readings taken u	120.00	-68.53	32.98		32.98			
d - Gyro (readings taken u	130.00	-68.46	32.96		32.96			
d - Gyro (readings taken u	140.00	-68.38	32.86		32.86			
d - Gyro (readings taken u	170.00	-68.30	32.83		32.83			
yro (readings taken upwar	0.00	-67.77	30.00		30.00			
yro (readings taken upwar	10.00	-68.86	29.88		29.88			
yro (readings taken upwar	20.00	-68.56	30.60		30.60			
yro (readings taken upwar	30.00	-68.82	31.66		31.66			
yro (readings taken upwar	40.00	-68.90	31.76		31.76			
yro (readings taken upwar	50.00	-68.77	32.09		32.09			
yro (readings taken upwar	60.00	-68.71	32.29		32.29			
yro (readings taken upwar	70.00	-68.76	32.71		32.71			
yro (readings taken upwar	90.00	-68.74	32.88		32.88			
yro (readings taken upwar	100.00	-68.65	32.87		32.87			
yro (readings taken upwar	110.00	-68.62	32.98		32.98			
yro (readings taken upwar	150.00	-68.36	32.55		32.55			
yro (readings taken upwar	160.00	-68.23	32.89		32.89			
yro (readings taken upwar	180.00	-68.14	32.93		32.93			
yro (readings taken upwar	190.00	-68.00	33.21		33.21			
yro (readings taken upwar	200.00	-67.92	32.95		32.95			
yro (readings taken upwar	210.00	-67.86	33.13		33.13			
yro (readings taken upwar	220.00	-67.78	33.21		33.21			
yro (readings taken upwar	230.00	-67.73	33.50		33.50			
yro (readings taken upwar	240.00	-67.62	33.59		33.59			
yro (readings taken upwar	250.00	-67.59	34.14		34.14			
yro (readings taken upwar	260.00	-67.43	34.72		34.72			
yro (readings taken upwar	270.00	-67.38	35.10		35.10			
yro (readings taken upwar	280.00	-67.33	35.45		35.45			
yro (readings taken upwar	290.00	-67.20	35.88		35.88			

yro (readings taken upwar	300.00	-67.16	36.09		36.09			
yro (readings taken upwar	310.00	-67.06	36.46		36.46			
yro (readings taken upwar	320.00	-67.00	36.77		36.77			
yro (readings taken upwar	330.00	-66.93	36.95		36.95			
yro (readings taken upwar	340.00	-67.05	37.39		37.39			

Relating Certificates

LabCode	Status	CertName	CertDate	Between	and	SampleGen
SGS	QC-NR	RL1301039	4/20/2013	13.90	134.00	0
SGS	QC-NR	RL1301041	4/22/2013	134.00	246.00	0
SGS	QC-NR	RL1301064	4/23/2013	246.00	349.50	0

Control Samples

SampleID	mFrom	mTo	SampleCode	SampleGen	Au_ppm	WtRecvd_kg	Au_CertName
79521	228.00	230.00	2-DUPF	0	1.30	3.20	RL1301041
79565	307.00	309.00	2-DUPF	0	0.52	3.70	RL1301064
81969	140.00	142.00	2-DUPF	0	0.11	3.10	RL1301041
81995	186.00	188.00	2-DUPF	0	0.14	3.40	RL1301041
84452	24.00	26.00	2-DUPF	0	0.07	3.50	RL1301039
84473	61.00	63.00	2-DUPF	0	0.27	3.20	RL1301039
79504	201.00	203.00	2-DUPL	0	0.05		RL1301041
79546	273.00	275.00	2-DUPL	0	0.62		RL1301064
79584	341.00	343.00	2-DUPL	0	0.96		RL1301064
82997	120.40	122.00	2-DUPL	0	0.18		RL1301039
84446	13.90	16.00	2-DUPL	0	0.04		RL1301039
79533	250.00		Blk-BL9	0	0.00	1.20	RL1301064
79578	333.00		Blk-BL9	0	0.00	1.40	RL1301064
81985	170.00		Blk-BL9	0	0.00	1.50	RL1301041
84464	47.00		Blk-BL9	0	0.00	1.30	RL1301039
84490	93.00		Blk-BL9	0	0.00	1.70	RL1301039
84481	77.00		Std-1G-GS	0	1.08	0.10	RL1301039
81973	148.00		Std-2G-GS	0	2.41	0.10	RL1301041
79515	221.00		Std-2J-GS	0	3.25	0.09	RL1301041
79552	286.00		Std-3J-GS	0	2.62	0.10	RL1301064

Number of entries per table

Litho	Alt	Minz	Geotech	Struct	Vein	Photos	Scans
26	25	26	0	10	10	0	0

Springpole Project

Lithologic and Structural Code Identifiers for Loggers

	Color
BLK	Black
BLU	Blue
BRN	Brown
GRN	Green
GRY	Gray
ORG	Orange
PNK	Pink
PUR	Purple
RED	Red
WHT	White
YLW	Yellow

	Color Intesity
LT	Light
MD	Medium
DK	Dark

	Lithologies
AND	Andesite
TRA	Trachyte
POR	Porphyry Dyke
MSD	Metasediments
MSC	Metasedimentary Conglomerate
BIF	Banded Iron Formation
VBX	Volcanic breccia
LAM	Lamprophyre dyke
CRB	Carbonatite
MSM	Muscovite Seam
TUF	Tuff
QPD	Quartz Porphyry Dike
NRC	No recovered core
OBN	Overburden
IND	Indeterminate

	Alteration
ALB	Albite
ARG	Argillic
BIO	Biotite
CHL	Chlorite
EPI	Epidote
FEX	Iron Oxide
GOE	Goetite
HEM	Hematite
JAR	Jarosite
KSP	K-feldspar
POT	Potatssic
SER	Sericite
SIL	Silica
TAL	Talc

	Accessory Minerals
AG	Silver
AU	Gold
CHP	Chalcopyrite
FLU	Fluorite
GAL	Galena
MAR	Marcasite
PYH	Pyrrhotite
ROE	Roscoelite
SPH	Sphalerite
TOU	Tourmaline

Sulfides (Pyrite %)
<1%
1-5%
5-10%
10-15%
>15%

	Textures
APH	Aphanitic
FGN	Fine Grained
MGN	Medium Grained
CGN	Coarse Grained
PRP	Porphyritic
MEG	Megacrystic
BIM	Bimodal
BX	Breccia
CBX	Chaotic Breccia
KBX	Crackle Breccia
MBX	Mosaic Breccia
MYL	Mylonitic
SCH	Schistose

	Intensity Scale (%)
	Void Space, Magnetism, Alteration, CaCO3, Closed Structures
1	Very Weak (1-5%)
2	Weak (5-15%)
3	Moderate (15-30%)
4	Strong (30-60%)
5	Intense (<60%)

	Structures
BD	Bedding
CN	Contact
FL	Fault
JN	Joint
FR	Fracture
LN	Lineation
SH	Shear
FO	Foliation

	Strength
1	Clay
2	Sand
3	Very soft rock
4	Soft rock
5	Moderately soft rock
6	Moderately hard rock
7	Hard rock
8	Very hard rock
9	Extremely hard rock

	Fracture Density	
1	Very Slightly Fractured	(>1 m)
2	Slightly Fractured	(0.3-1.0 m)
3	Moderately Fractured	(0.1-0.3 m)
4	Intensely Fractured	(<0.1 m)
5	Very Intensely Fractured (rubble)	

	Vein Type
QTZ	Quartz
BIO	Biotite
CAR	Carbonate
EPI	Epidote
FLU	Fluorite
GYP	Gypsum
SUL	Sulfide

	Vein Accessory Minerals
B	Biotite
C	Calcite
D	Dolomite
E	Epidote
F	Fluorite
G	Gypsum
P	Pyrite
Q	Quartz
S	Sulfides

Project: SpringPole
Area: Not Recorded
Claim: 1184813

Gold Canyon
Program: 2013
Logger: Ashley Ripple

Hole name: SG13-205
Length (m): 349.5

Assays				Litho				
Depth (m)	SampleID	Au (ppm)	Ag (ppm)	Depth (m)	Lith1	Txtr2	Txtr2	Comments
13.90	NoSample199			13.90	WTR			No Recovered Core/Water Depth
CertNames= RL1301039								
16.00	84445	0.04	0.15					
18.00	84447	0.16	0.15					13.9-37m: Volcanic breccia with chaotic texture. Breccia is matric dominated; matrix is fine-medium grained trachyte. Clasts are partially assimilated megacrystic porphyry. Feldspars of porphyry are pink-white. *This looks like a mixing zone between 2 units
20.00	84448	0.71	2.3					13.9-36.0m: no reaction to 10%HCl
22.00	84449	0.24	1					13.9-17.0m: core has moderate sericite-argillic alteration that is pervasive. Sulfides are finely disseminated throughout with increased concentration on joint/fracture surfaces. There are no veins. Core is broken with average pieces 0.1-0.3m
24.00	84450	0.04	0.15					17m: core changes color, medium-gray with some green; pervasive sericite alteration and biotite on joints/fractures
26.00	84451	0.11	0.4					19.5-22.0m: no magnetism, variable due to brecciated texture of the core
28.00	84453	0.25	1.5		VBX	CBX		22-30m: very weakly magnetic, variable, mostly in dark zones of matrix around clasts
30.00	84454	1.14	2.6					27.2-27.5m: argillic-rich zone with 1-2cm pieces of competent core. Cave or gouge?
32.00	84455	1.29	3.3					28.5m: increase in size of pyrite grains, 1-3mm
34.00	84456	0.53	2.1					28.5-37.5m: weakly voided with most voids in matrix and/or surrounding partially assimilated clasts
36.00	84457	0.98	5.8					29.5m: core is more clast supported, increase in heterolithic nature
37.00	84458	0.41	2.4	37.00				30-120m: no magnetism
								29-36m: increase of quartz veins
								31.5-33.36m: white, milky quartz vein with occasional zones with 1-3mm black tourmaline grains rimming vein with growth texture (needles) pointing into vein
								34.5-35.0m: vuggy white quartz vein with pyrite and trace galena
								35-36m: pyrite still heavily concentrated-most abundant in vugs and joints/fractures. Finely disseminated and 1-3mm cubes
								36m: decrease in pyrite to 1-5%
39.00	84459	0.27	1.3					
41.00	84460	0.14	1.8					37m: core has crackle breccia texture with carbonates and sericite infilling in addition to cores of feldspars partially replaced by carbonate
43.00	84461	0.27	2.1					37.5-62m: stick rock
45.00	84462	0.17	0.8					37-53.4m: gradational contact and transition into porphyry, megacrystic, crackle breccia. Feldspar grains are 5mm-30mm, most are white, tabular-equant, rare grains appear zones. There is fine crackle-breccia texture overprinting unit with hairline veins of carbonate and sericite. Core more competent to stick rock. Core very hard (KSP/SIL)
47.00	84463	0.12	1.8		POR	MEG	KBX	43.2m: color change, core is a brighter green. Color is mottles of green and gray. overall decrease in pyrite percentage
49.00	84465	0.07	1.2					
51.00	84466	0.15	1.1					
53.40	84467	0.11	0.8	53.40				
55.00	84468	0.66	1.6					53.4-67.0m: sharp transition into chaotic volcanic breccia. Possible porphyry was large-block sized clast within larger breccia zone. Breccia is matrix dominated where matric is darker grey trachyte and clasts are 0.1m porphyry that some clasts are partially assimilated. The porphyry clasts have difference generations of feldspars(1)white 2)pink 3) zoned). Slight increase in finely disseminated pyrite. Core is still very hard (KSP/SIL flooding) with biotite, fine-grained in trachyte zones. No veins.
57.00	84469	0.3	0.15					
59.00	84470	0.19	0.15					
61.00	84471	0.08	0.6		VBX	CBX		57-58m: increase of pyrite (closer to 3-5%) with thin discontinuous pyrite veinlets, 1-3mm
63.00	84472	0.26	0.8					Mixing zone between porphyry and trachyte
65.00	84474	0.37	2.3					61-62m: zone that is clast dominated by trachyte, clast 1-2cm, subrounded. Zone looks bedded.
67.00	84475	0.18	1.6	67.00				62-66m: core same as above from 28.5-37.5m:
								Zones with increased vugs/dissolution = increased pyrite
69.00	84476	0.12	2					

Project: SpringPole
Area: Not Recorded
Claim: 1184813

Gold Canyon
Program: 2013
Logger: Ashley Ripple

Hole name: SG13-205
Length (m): 349.5

Assays				Litho				
Depth (m)	SampleID	Au (ppm)	Ag (ppm)	Depth (m)	Lith1	Txtr2	Txtr2	Comments
71.00	84477	0.24	4.7		POR	MEG	KBX	67-75.0m: same as above from 37-53.4m. Megacrystic feldspar porphyry, 5mm-40mm, equant-tabular. Large feldspar grains are angular and look broken. Crackle breccia texture is later, brittle with hairline fractures with sericite-carbonate. Color is mottled. No viens.
73.00	84478	0.07	1.2					
75.00	84479	0.13	1.5	75.00				
77.00	84480	0.21	2.8	75.10	LAM			75-75.1m: lamprophyre dike with sharp upper contact, lower contact is broken. Lamprophyre is black, moderateky to strongly vuggy, 5-10% pyrite finely disseminated, the feldspar grains immediately downhole are salmon pink (for 0.1m after lamprophyre). Lamprophyre is moderately biotite altered
79.00	84482	0.05	0.7		POR	MEG	BX	75.1-120.65m: Same as above 67-75m with increased monolithic breccia. Looks like fluidal, swirled texture. Core still very hard (KSP/SIL flooding)-pervasive with sericite in groundmass overprinted by KSP/SIL. Biotite concentrated on joints/fractures. Crackle breccia texture still present by not dominant 80m: core same as above except no or very little biotite 83-88.5m: very weakly voids with increased concentration of mineralization 83.45m: vuggy white quartz vein with black tourmaline, ~5-10mm. No growth direction observed. Vein is discontinuous 85-88.5m: more breccia with chaotic breccia texture but only locally. Clasts are emphasized by sericite alteration. 86.8-87m: vuggy white quartz vein with tourmaline with 1-5%. Similar to 83.45m 88.5-102m: stick rock 91-176m: increase of fine biotite in matrix 97.5m: increase of white-milky white-chlear quartz veins-veins have tourmaline+/- sphalerite but little to no pyrite 102-105m: very weakly voided (increased mineralization) 102-102.5m: milky white quartz vein with vugs and black tourmaline rims (no growth pattern). Vuggy zone with finely disseminated galena + 3-6mm grains. There is abundant honey sphalerite. It is possble there is molybdenite with galena zone. 105-120.65m: stick rock ~104m: increase of fine biotite in vugs 113.7m: 2 cm light grey dolomite and calcite vein with grey-transluscent quartz fragments and pyrite and biotite rims. Dolomite seems brecciated withfragments rimmed by biotite. Vein is discontinuous. 115m: 1.5cm dolomite and calcite vein (x2) Same as above 113.7m
81.00	84483	0.13	1.1					
83.00	84484	0.03	0.5					
85.00	84485	0.1	1.1					
87.00	84486	0.13	2.1					
89.00	84487	0.2	3.3					
91.00	84488	0.15	2.2					
93.00	84489	0.03	0.6					
95.00	84491	0.15	1.5					
97.00	84492	0.13	1.2					
99.00	84493	0.1	1.8					
101.00	84494	3.49	34.6					
103.00	84495	1.08	186					
105.00	84496	0.1	2.3					
107.00	84497	0.3	7.6					
109.00	84498	0.09	3					
111.00	84499	0.14	2.6					
113.00	84500	0.55	5.4					
115.00	82992	0.32	3.2					
117.00	82993	0.24	3.3					
119.00	82994	0.1	1.9					
120.40	82995	0.3	4.9	120.30				
122.00	82996	0.22	3.4					120.3-149.5m: gradational contact/transition into volcanic breccia with chaotic breccia texture (same as above 53.4m). Matrix dominated (trachyte) with megacrystic porphyry clasts. Looks like mixing zone between porphyry and trachyte. Biotite alteration is concentrated in vugs and trachyte while sericite is in clasts and trachyte. Porphyry clasts are large and difficult to distinguish distinct boundaries. Clasts are partially assimilated. 120.3-126.2m: increase of void space. Voids are relatively large 6-60mm with partial infill of biotite and finely disseminated pyrite 120-149m: no veins 126.2-137.0m: stick rock 133-144m: breccia is dominated by megacrystic feldspar porphyry that has been brecciated. Difficult to determine if porphyry is large
124.00	82998	0.23	4.8					
126.00	82999	0.07	0.9					
128.00	83000	0.12	3.5					
130.00	81962	0.06	2.2					
132.00	81963	0.16	4.4					

Project: SpringPole
Area: Not Recorded
Claim: 1184813

Gold Canyon
Program: 2013
Logger: Ashley Ripple

Hole name: SG13-205
Length (m): 349.5

Assays				Litho				
Depth (m)	SampleID	Au (ppm)	Ag (ppm)	Depth (m)	Lith1	Txtr2	Txtr2	Comments
134.00	81964	0.29	6.5					133-144m: breccia is dominated by megacrystic feldspar porphyry that has been brecciated. Difficult to determine if porphyry is large clast or dike. There is no evidence of chilled margins (clast)
CertNames= RL1301041					VBX	CBX		135-150m: decrease in carbonate overprint. Most of the groundmass/matric has little to no carbonate while the feldspar grains still weakly react to acid.
136.00	81965	0.19	3.2					137-142.5m: increase in void space (same as above from 120.65-126.2m)
138.00	81966	0.22	1.8					139.5-139.6m: cave in/re-drill, sandy and out of place in hole
140.00	81967	0.24	4.2					142.5-146.5m: stick rock
142.00	81968	0.13	2.4					145.5-150m: increase of finely disseminated pyrite (closer to 5%), generall associated/concentraed in trachyte/vugs
144.00	81970	0.31	5.3					146.5-150m: increase of void sace. voids are small 2-10mm with partial infill of biotite and finely disseminated pyrite. Void space increases in trachytic zones along shear/foliation fabric
146.00	81971	0.14	1.4					148m: 0.1m zone with black tourmaline (+/-biotite, pyrite, carbonate) Concentrated in veins but veins are discontinuous
148.00	81972	0.23	1.2					148.3-150.1m: increase of blebs of finely disseminated pyrite (7-10mm_, irregualr
149.60	81974	0.36	2.2	149.50				
151.00	81975	0.15	1		TRA	APH		149.5-157.9m: aphanitic trachyte (there are zones with fine-grained feldspars, white, 1-4mm, subrounded). It is possible this is a large block in breccia zone. Contacts are sharp (~50/130) There is increased veining carbonate and quartz veins
153.00	81976	0.32	2.2					151-152m: possible trace sphalerite
155.00	81977	0.23	1.1					152-153m: white 3mm-2cm quartz veins (x7) in green-sericite shear zone. Veins have vugs.
157.80	81978	0.05	0.15					156.5m: pyrite and carbonate vein, ~10mm, discontinuous
160.00	81979	0.04	0.7					156.5-157.9m: increase of finely disseminated pyrite (closer to 5%)
				157.90				156.8-157.9m: increase of brecciated nature
				160.00	POR	MEG	BX	157.9-160m: porphyry clast or dike. megacrystic, 2-20mm white-light pink. Similar to 133-144m
								159-165m: increase in void space (same as above from 146.5-150m)
162.00	81980	0.14	1.1					
164.00	81981	0.05	0.8					
166.00	81982	0.12	1.2					Same as 149.5-157.9m with less of a locally brecciated texture
168.00	81983	0.91	8.9		TRA	APH		165-349.5m: stick rock
170.00	81984	0.51	2.2					~165m: increase of thin 2-5mm carbonate and quartz veins, carbonate>>qtz. white
172.00	81986	0.11	1.1					170-173m: increase of magnetism, moderate-weak and variable throughout interval
174.00	81987	0.11	1.3					
176.20	81988	0.57	3.7	176.20				
178.00	81989	0.14	2					
180.00	81990	0.11	1.6					
182.00	81991	0.18	1.9					176.2-193.7m: megacrystic feldspar porphyry, sharp, iregular upper contact, mostly perpendicular to core axis. Porphyry is brecciated, monolithic, with clasts indistinguishable from the matrix->color is mottled with grey and green (due to alteration beging doman conc.) Feldspars are white-tabular to equant, 4-50mm. There is sericite alteration is groundmass/matrix overprinted by SIL/FSP flooding (core very hard). Increase of quartz veins
184.00	81992	0.12	1.6					
186.00	81993	0.09	2.8		POR	MEG	BX	
188.00	81994	0.13	1.1					179.39m: milky white 2-3cm quartz vein with trace black tourmaline (no growth direction)
190.00	81996	0.19	5.6					181.4m: milky white irregular, distinct quartz vein with fine black tourmaline splinters (no direction)
192.00	81997	0.4	7.7					
193.70	81998	0.04	1	193.70				
196.00	81999	0.01	0.6					193.7-199.6m: sharp upper and lower contacts (upper 48/260, lower 45/170). Porphyry with medium-grained 2-6mm, the feldspars are

Project: SpringPole
Area: Not Recorded
Claim: 1184813

Gold Canyon
Program: 2013
Logger: Ashley Ripple

Hole name: SG13-205
Length (m): 349.5

Assays				Litho				
Depth (m)	SampleID	Au (ppm)	Ag (ppm)	Depth (m)	Lith1	Txtr2	Txtr2	Comments
198.00	82000	0.03	0.5		POR	MGN		193.7-199.6m: sharp upper and lower contacts (upper 48/360, lower 45/170). Porphyry with medium-grained 2-6mm, the feldspars are white-cream splinters. Same as megacrystic porphyry but smaller grain size (same alteration, color, texture)
199.60	79501	0.005	0.5	199.60				
201.00	79502	0.04	0.8		POR	MEG	BX	199.6-204.7m: Megacrystic feldspar porphyry, core same as above from 176.2-193.7m
203.00	79503	0.05	0.6					
204.70	79505	0.17	1.4	204.70				
206.00	79506	0.01	0.15		TRA	APH		204.7-207.5m: gradational contact noted by color change and decrease in porphyry clasts (at high angle to core axis). Trachyte is dark grey to black with no visible phenocrysts. Moderate to intense carbonate veins, white, 2-5mm, subparallel. Core has weak biotite alteration. 207-215m: increase of carbonate overprint Increase of amydules(?), spherical-elliptical, 7-10mm carbonate blebs 205-207m: unknown, hard, dark black cubic-euhedral 2-4mm grains (no magnetism, possible mafic hornblende or amphibole?) 206.8m: 2 cubic 2x4mm pyrite grains
207.50	79507	0.02	0.15	207.50				
209.00	79508	0.11	1.3		VBX	CBX		207.5-218.4m: volcanic breccia, matrix supported, heterolithic chaotic breccia. Clasts range from mm to m scale. Most clasts are rounded and porphyry (megacrystic). Matrix has weak to moderate biotite and sericite alteration while with KSP/SIL flooding of some clasts (KSP/SIL before bx since not all clasts have same alteration) 209-210.5m: 2-5mm cubic pyrite grains 215-220m: decrease of cabronate overprint. Carbonte is concentrated in hairline brittle veinlets/fractures from crackle breccia texture wth sericite
211.00	79509	0.2	2.2					
213.00	79510	0.22	3.5					
215.00	79511	0.17	2.3					
217.00	79512	0.1	2.5	218.40				
219.00	79513	0.11	0.8	218.70	LAM			218.4-218.7m: lamp dike, black, sharp contacts (upper/lower 29/290) increased biotite. This dike is comp with relict feldspar grains partially replaced by carbonate. Bleaching at lower contact
221.00	79514	0.21	1.2		VBX	CBX		218.7-255.5m: Volcanic breccia with chaotic breccia texture, heterolithic, matrix-supported with trachyte matrix and porphyry clasts, similar to volcanic breccia at 207.5-218.4m but clasts are less distinctive. Moderate sericite in matrix, porphyry KSP flooded 220-349.5m: moderate to strong carbonate overprint *Note the temperature difference in logging shack is 10-15 degrees F warmer than March 12, the core might have reacted in a similar manner Sulfides are finely disseminated (closer to 1% than 5%) 228-234m: megacrystic porphyry clast that has been brecciated with later crackle breccia overprint with sericite-carbonate hairline fracture infill 234.5-237.5m: porphyry clast is becoming ground-up (tear-apart) with feldspar grains having rounded/milled texture
222.20	79516	0.16	2.4					
224.00	79517	0.18	3.3					
226.00	79518	0.17	2.6					
228.00	79519	1.38	18.9					
230.00	79520	0.92	11.3					
232.00	79522	0.21	3					
234.00	79523	0.13	2.6					
236.00	79524	0.64	7.7					
237.50	79525	0.18	5.2	237.50				
238.50	79526	0.005	0.15	238.60	LAM	FGN		237.5-238.6m: black lamp dike, with most pieces ~0.1m in length with couple of rubble zones with increased sericite/biotite +/- argillic with relict phenocrysts that have been replaced by carbonat/argillite
240.00	79527	1.26	14.5					
242.00	79528	2.2	29					

Project: SpringPole
Area: Not Recorded
Claim: 1184813

Gold Canyon
Program: 2013
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Hole name: SG13-205
Length (m): 349.5

Assays				Litho				
Depth (m)	SampleID	Au (ppm)	Ag (ppm)	Depth (m)	Lith1	Txtr2	Txtr2	Comments
244.00	79529	5	47.1					
246.00	79530	2	25.4					
CertName= RL1301064								
248.00	79531	0.1			VBX	CBX		238.6-255.5m: core same as above from 218.7-237.5m with less finely disseminated pyrite 240-255.5m: volcanic breccia same as above from 238.6m. This zone is dominated by more trachyte and sheared fingers of unknown light grey-vream rock with increased sericite alteration 247.6m: sheared clast or 3cm clast of lamp dike. Difficult to tell if clasts was in place during breccia event or was thin dike that cross-cut breccia later and was then sheared 251m: trachyte dominated with increase of KSP/SIL flooding (very hard) that overprints biotite in matric and along joints/fractures 251.8m: unknown harder grey-metallic mineral (needlelike habit) in vuggy quartz (unknown grey-purple) 253.5-259m: very weak magnetism
250.00	79532	0.2						
252.00	79534	0.38						
254.00	79535	0.51						
255.50	79536	0.74		255.50				
258.00	79537	2.3			TRA	APH		255.5-268.6m: dark grey-brown aphanitic trachyte with rare visible phenocrysts. Trachyte is locally brecciated in 0.1 to 1m zones (monolithic, clast supported with mosaic breccia texture with biotite in matrix). this nit has increased finely disseminated pyrite. Unit has same alteration that started at 251m. Contacts are gradational and noted where core became monolithic 258.8m: 0.1m carbonate vein. Light grey with zones of medium-greay (quartz) with increased finely disseminated pyrite at vein rims
260.00	79538	1.45						
262.00	79539	0.91						
264.00	79540	0.59						
266.00	79541	0.41						
268.50	79542	1.07		268.60				
270.70	79543	0.02		270.60	IND			268.6-270.6m: indeterminate unit (possible lamp dike) fine grained with phenocrysts 1-3mm, there seems to be grading with larger grains at lower contact or it could be chilled margins. Littl eor no finely disseminated pyrite, contacts sharp at high angle to core axis, ~80 degrees 269-270m: fine-grained speckled and weak to moderately magnetic
273.00	79544	0.7			VBX	CBX		270.6-280m: volcanic breccia with chaotic breccia (highly sheared) same as above 238.6-255.0m. Clasts are subrounded to sheared and elongated 1-3cm. Core has weak biotite.sericite alteration of matrix with SIL/KSP flooding overprint 279-280m: gradational contact that is subparallel to core axis and irregular zone is breccia on either side of contact area but lower is more monolithic
275.00	79545	0.67						
277.00	79547	0.61						
280.00	79548	0.005		280.00				
282.00	79549	2.05			TRA	APH	MBX	280-295.5m: dark grey-brown aphanitic trachyte with mosaic breccia texture with carbonate infill. Clasts are angular with little movement, individual clasts are difficult to distinguish. Alteration is similar to breccia uphole with biotite in matrix, joints/fractures that is overprinted by KSP/SIL. Sulfides finely disseminated 1-5% with increase in matrix. 287m: quartz carbonate veins 3-7mm irregular, subparallel to each other with vugs. Vugs indicate veins have been partially dissolved. 293.7m: 0.1m zone with increased finely disseminated pyrite (~5-7%)
284.00	79550	3.31						
286.00	79551	1.98						
288.00	79553	0.79						
290.00	79554	0.94						
292.00	79555	0.63						
294.00	79556	1.35						
295.50	79557	0.65		295.50				
297.00	79558	0.55						
299.00	79559	1.08						
301.00	79560	0.29						
303.00	79561	0.37						

Project: SpringPole
Area: Not Recorded
Claim: 1184813

Gold Canyon
Program: 2013
Logger: Ashley Ripple

Hole name: SG13-205
Length (m): 349.5

Assays				Litho				
Depth (m)	SampleID	Au (ppm)	Ag (ppm)	Depth (m)	Lith1	Txtr2	Txtr2	Comments
305.00	79562	0.31						
307.00	79563	0.32						295.5-327m: chaotic volcanic breccia. Breccia is heterolithic, clast-suported with clasts being difficult to identify, subrounded 10mm-2cm. Core is still very hard (SIL/KSP overprint) with sericite/biotite in groundmass. Some zones appear more matrix supported with trachyte as matrix. Sulfides decrease but still 1-5% finely disseminated. Core is dominantly grey with zone 0.1-0.3m with increased green color
309.00	79564	0.5						
311.00	79566	2.3			VBX	CBX		300-317m: zone is dominated by trachyte and breccia with mosaic breccia texture. Mosaic breccia is carbonate infilled with angular to subangular
313.00	79567	1.01						309.3m: 0.1m red-brown porphyry(?) clast with most original texture obscured
315.00	79568	0.48						317m: breccia becomes more heterolithic with trachyte/porphyry and unknown clasts. Breccia is matrix supported with medium-grained trachyte as matrix, dark grey, with milled-broken white feldspar grains, 1-4mm. Clasts are subrounded
317.00	79569	0.96						
319.00	79570	0.68						
321.00	79571	0.28						
323.00	79572	0.71						
325.00	79573	0.48						
327.00	79574	0.43		327.00				
329.00	79575	0.29						
331.00	79576	0.24						327-349.5m: dark grey aphanitic trachyte with relict 1-3mm white to grey phenocrysts are rare. Core lcally has KBX-MBX texture, with clasts angular and infill is white carbonate. Upper contact marked by last appearance of heterolithic clast. Pyrite finely disseminated 1-5% with local bands of increased pyrite but only 1-2cm wide
333.00	79577	0.19						Alteration is same as above but no sericite in groundmass, only biotite
335.00	79579	0.22						355.5m: 0.1m zone with cubic 1-3mm pyrite grains
337.00	79580	0.14						337.3-337.6m: vein breccia with clasts of host rock in 1-4mm size. Tecture of vein is very fluidal with increased pyrite (~10%) and fine biotite in carbonate
339.00	79581	0.13			TRA	APH		340-342m: moderate magnetism but short interval
341.00	79582	0.5						344-349.5m: relict white phenocrysts replaced by carbonate
343.00	79583	0.99						348-349.5m: moderate-strong magnetism
345.00	79585	0.39						349.5m: End of hole
347.00	79586	0.73						
349.50	79587	0.62		349.50				

Project: SpringPole
Area: Not Recorded

Gold Canyon
Program: 2013
Logger: Ashley Ripple

Hole name: SG13-205
Length (m): 349.5

Mineralization

mFrom	mTo	Pyrite_Pct	Min1	Min1_Pct	Min2	Min2_Pct	Comments
13.90	19.50	3					
19.50	22.00	3					
22.00	30.00	3					
30.00	34.50	3	CHP	0.5			31.68m: chalcopyrite bleb ~5mm in vein
					SPH	0.5	32.5m: trace sphalerite bleb, 7mm
34.50	35.00	15					34.65-34.84m: massive pyrite zone (0.08x0.05m) with cubic habit. Other pyrite grains are cubic 2cmx2cm. Galena adjacent to pyrite in trace amounts
35.00	36.00	12.5					
36.00	43.20	3	SPH	0.5			~42m: trace sphaleriate brown-honey colored
43.20	53.40	0.5					
53.40	64.00	3	TOU	0.5			61.9m: localized, needle-like 1-2mm tourmaline
64.00	66.00	7.5	GAL	0.5			64.3-64.6m: trace galena and pyrite (5-10%) in broken vug zone, pyrite is finely disseminated and 1-2mm cubes
66.00	75.00	3					
75.00	75.10	7.5					no magnetism recorded
75.10	170.00	3	TOU	0.5			83.45m: vuggy white quartz vein with black tourmaline ~5-10mm. No growth direction observed. 86.8m: vuggy white quartz vein with tourmaline at 1-5%. Similar to 83.45m 89.3-89.5m: trace galena in groundmass of porphyry 102-105m: vuggy zone with fine disseminated galena + 3-6mm grains. There is abudant honey sphalerite.
					TOU	3	148m: 0.1m zone with trace black tourmaline
170.00	173.00	3					
173.00	239.00	3	TOU	0.5			179.39m: milky white 2-3cm quartz vein with trace black tourmaline (no growth direction) 181.4m: milky white irregular, discontinuous quartz vein with fine black tourmaline splinters (no direction)
239.00	253.50	0.5					
253.50	255.00	0.5					
255.00	259.00	3					
259.00	268.60	3					
268.60	269.00	0.5					
269.00	270.00	0.5					
270.00	270.60	0.5					

Project: SpringPole
Area: Not Recorded

Gold Canyon
Program: 2013
Logger: Ashley Ripple

Hole name: SG13-205
Length (m): 349.5

Mineralization

mFrom	mTo	Pyrite_Pct	Min1	Min1_Pct	Min2	Min2_Pct	Comments
270.60	340.00	3	CHP	0.5			274.3m: trace chalcopyrite in quartz-pyrite-tourmaline vein. irregular.
							287m: 1-3mm bleb of chalcopyrite associated with carb-qtz vein with vugs
							288.1m: chalcopyrite in carbonate tourmaline vein, 1-5mm
					GAL	0.5	316.8-317m: trace amounts galena with pyrite and carbonate
340.00	342.00	3					
342.00	348.00	3					
348.00	349.50	3					

Project: SpringPole
Area: Not Recorded

Gold Canyon
Program: 2013
Logger: Ashley Ripple

Hole name: SG13-205
Length (m): 349.5

Veins

mDepth	mWidth	Vein1	Vein1_AlphaAngle	Vein1_Min1	Vein1_Min2	Vein1_Min3	Comments
25.80	0.20	QTZ	30				VNx3, several leached quartz veins along foliation with cleavage
29.80	0.70	QTZ	20	S	B		3-5cm quartz vein with chalcopyrite, galena with minor bladed biotite
31.60	1.70	QTZ		S	B		irregular quartz vein + CHP + GAL + bladed BIO
33.80	0.02	QTZ	40	S	B		quartz vein (2cm) +CHP + GAL + bladed BIO
152.00	0.70	CAR	35	Q			x4 quartz carbonate veins between strongly sheared CL/PY matrix
165.60	10.20	CAR	45	Q			~99 veins, QTZ/CAR veins and veinlets in mafic/aphanitic groundmass, increased occurance of pyrite with minor tourmaline, 30-50 degrees TCA, beta ~080
287.60	5.20	CAR		Q			x15 veins, approx. 4/meter quartz/carbonate veins, moderately leached
299.00	0.00	CAR	40	C			carbonate vein with minor pink calcite
303.20	0.03	CAR	70	P			3cm carbonate vein with sharp contacts and pyrite
328.00	21.50	QTZ	60	B	P		x99 moderate quartz veins with biotite infill and pyrite in aphanitic/mafic groundmass

Project: SpringPole
Area: Not Recorded

Gold Canyon
Program: 2013
Logger: Ashley Ripple

Hole name: SG13-205
Length (m): 349.5

Alteration

mFrom	mTo	Alt1	Int	Alt2	Int	Alt3	Int	Alt4	Int	Comments
13.90	17.00	SER	3	ARG	3					
17.00	37.00	SER	3	BIO	1					
37.00	53.40	KSP	3	SIL	3	SER	2			
53.40	67.00	KSP	3	SIL	3	BIO	2			
67.00	75.00	KSP	3	SIL	3	SER	2			
75.00	75.10	BIO	3							
75.10	80.00	KSP	3	SIL	3	BIO	2	SER	2	
80.00	91.00	SIL	3	KSP	3	SER	2			
91.00	120.40	KSP	3	SIL	3	BIO	2	SER	2	
120.40	149.50	SER	3	BIO	3					
149.50	157.90	BIO	3	SER	2					
157.90	176.20	SER	3	BIO	2					
176.20	204.70	SER	2	SIL	3	KSP	3			
204.70	207.50	BIO	2							
207.50	218.40	BIO	2	SER	2	SIL	2	KSP	2	
218.40	218.70	BIO	3							
218.70	220.00	SER	2	BIO	2	SIL	2	KSP	2	
220.00	237.50	BIO	2	SER	2					
237.50	240.00	SER	3	KSP	2	SIL	2			
240.00	251.00	SER	3	BIO	3	KSP	3	SIL	3	
251.00	268.60	BIO	2	KSP	4	SIL	4			
268.60	270.60	SER	2	BIO	2					
270.60	295.50	BIO	2	KSP	3	SIL	3			
295.50	327.00	SER	2	BIO	2	KSP	3	SIL	3	
327.00	349.50	BIO	2	SIL	3	KSP	3			

Project: SpringPole
Area: Not Recorded

Gold Canyon
Program: 2013
Logger: Ashley Ripple

Hole name: SG13-205
Length (m): 349.5

Color

mFrom	mTo	Color1	Int	Color2	Comments
13.90	17.00	GRN	LT	GRY	
17.00	37.00	GRY	MD	GRN	
37.00	43.20	GRY	MD		
43.20	53.40	GRN	MD	GRY	
53.40	67.00	GRY	DK		
67.00	75.00	GRY	MD	GRN	
75.00	75.10	BLK			
75.10	120.30	GRY	MD	GRN	
120.30	149.50	GRY	MD		
149.50	157.90	GRY	DK		
157.90	160.00	GRY	MD		
160.00	176.20	GRY	DK		
176.20	204.70	GRY	MD	GRN	
204.70	207.50	GRY	DK		
207.50	218.40	GRY	DK	GRN	
218.40	218.70	BLK			
218.70	237.50	GRY	MD	GRN	
237.50	238.60	BLK			
238.60	255.50	GRY	DK	GRN	
255.50	268.60	GRY	DK		
268.60	270.60	BLK			
270.60	280.00	GRY	MD		
280.00	295.50	GRY	DK		
295.50	327.00	GRY	MD	GRN	
327.00	349.50	GRY	DK		

Project: SpringPole
Area: Not Recorded

Gold Canyon
Program: 201
Logger: Ashley Ripple

Hole name: SG13-205
Length (m): 349.5

Carbonate and Void Space

mFrom	mTo	Void_pctCod	Carb_IntCod	Comments
13.90	28.50	2	0	
28.50	36.00	1	0	
36.00	37.50	1	3	
37.50	62.00	0	3	
62.00	66.00	2	3	
66.00	83.00	0	3	
83.00	88.50	1	3	
88.50	102.00	0	3	
102.00	105.00	1	3	
105.00	120.30	0	3	
120.30	126.20	2	3	
126.20	135.00	0	3	
135.00	137.00	0	1	
137.00	142.50	2	1	
142.50	146.50	0	1	
146.50	150.00	1	1	
150.00	159.00	0	2	
159.00	165.00	1	2	
165.00	207.00	0	2	
207.00	215.00	0	3	
215.00	220.00	0	1	
220.00	349.50	0	3	

Project: SpringPole
Area: Not Recorded

Gold Canyon
Program: 2013
Logger: Ashley Ripple

Hole name: SG13-205
Length (m): 349.5

Geotech

mFrom	mTo	Recov_m	Recov_pct	RQD_m	RQD_pct	StrengthCo	Comments

Gold Canyon

Project	SpringPole			*Hole name*	**SG13-206**
Area	Not Recorded	*Program*	2013	*Length (m)*	310.5
Claim	1184813	*Hole Type*	Diamond Drill	*Size*	HQ
Drill Contractor	Rodren	*Other Hole name*		*Data Origin*	GEO5-LENOVO
Drill Rig	1	*Cassing Pulled*	Unknown	*Data Date*	3/28/2013
Date Started	3/7/2013	*Cassing (m)*		*Data BY*	Geology
Date Finished	3/12/2013				
Logger	Eli Friedman	*Log Date*	3/13/2013		
Target					
Hole Comments	Geotechnical hole drilled on the ice. Site GT05.				
Collar survey Date	3/3/2013	*Survey By*	Maia Matarrese	*Method*	Trimble R8
Survey Notes					

Collar coordinates

Grid	Name	x	Y	z	Az	Dip
Original	UTM84-15N	549,139.84	5,693,889.13	390.87	40.00	-50.00
Preferred	UTM84-15N	549,139.84	5,693,889.13	390.87	40.00	
Local						
Lat Long						

Down-hole surveys

SurveyDHDesc	mDepth	Dip	AzOrig	AzLocal	AzPref	AzMag	MagField	Remarks
d - Gyro (readings taken u	20.00	-51.26	35.11		35.11			
d - Gyro (readings taken u	30.00	-51.92	35.18		35.18			
yro (readings taken upwar	0.00	-49.16	35.00		35.00			
yro (readings taken upwar	10.00	-49.22	35.10		35.10			
yro (readings taken upwar	40.00	-52.68	35.48		35.48			
yro (readings taken upwar	50.00	-53.17	34.81		34.81			
yro (readings taken upwar	60.00	-52.92	35.84		35.84			
yro (readings taken upwar	70.00	-51.69	35.03		35.03			
yro (readings taken upwar	80.00	-52.42	35.80		35.80			
yro (readings taken upwar	90.00	-53.04	35.65		35.65			
yro (readings taken upwar	100.00	-53.43	35.40		35.40			
yro (readings taken upwar	110.00	-52.62	35.27		35.27			
yro (readings taken upwar	120.00	-53.00	35.58		35.58			
yro (readings taken upwar	130.00	-53.01	35.65		35.65			
yro (readings taken upwar	140.00	-53.06	35.66		35.66			
yro (readings taken upwar	150.00	-53.10	36.12		36.12			
yro (readings taken upwar	160.00	-53.05	36.44		36.44			
yro (readings taken upwar	170.00	-53.10	36.65		36.65			
yro (readings taken upwar	180.00	-53.27	36.85		36.85			
yro (readings taken upwar	190.00	-53.34	37.27		37.27			
yro (readings taken upwar	200.00	-53.21	37.64		37.64			
yro (readings taken upwar	210.00	-53.11	37.90		37.90			
yro (readings taken upwar	220.00	-53.02	38.07		38.07			
yro (readings taken upwar	230.00	-52.97	38.31		38.31			
yro (readings taken upwar	240.00	-52.71	38.55		38.55			
yro (readings taken upwar	250.00	-52.49	38.82		38.82			
yro (readings taken upwar	260.00	-52.31	39.01		39.01			
yro (readings taken upwar	270.00	-52.07	39.19		39.19			
yro (readings taken upwar	280.00	-51.81	39.19		39.19			
yro (readings taken upwar	290.00	-51.57	39.33		39.33			

yro (readings taken upwar	300.00	-51.34	39.33		39.33			

Relating Certificates

LabCode	Status	CertName	CertDate	Between	and	SampleGen
SGS	QC-NR	RL1301065	1/2/1900	45.70	135.00	0
SGS	QC-NR	RL1301156	4/25/2013	135.00	310.50	0

Control Samples

SampleID	mFrom	mTo	SampleCode	SampleGen	Au_ppm	WtRecvd_kg	Au_CertName
79663	181.00	182.00	2-DUPF	0	0.05	1.90	RL1301156
79681	211.00	213.00	2-DUPF	0	0.02	3.90	RL1301156
79702	249.00	251.00	2-DUPF	0	0.16	3.40	RL1301156
79618	102.00	104.00	2-DUPL	0	0.05		RL1301065
79629	121.00	123.00	2-DUPL	0	1.32		RL1301065
79655	167.00	169.50	2-DUPL	0	1.57		RL1301156
79725	291.00	293.00	2-DUPL	0	0.02		RL1301156
79606	80.00		Blk-BL9	0	0.02	1.70	RL1301065
79637	137.00		Blk-BL9	0	0.00	1.90	RL1301156
79672	197.00		Blk-BL9	0	0.00	1.20	RL1301156
79596	62.00		Std-3H-GS	0	3.02	0.10	RL1301065
79690	229.00		Std-6B-GS	0	6.35	0.10	RL1301156
79644	149.00		Std-High	0	2.20	0.05	RL1301156
79713	271.00		Std-Low	0	0.31	0.05	RL1301156

Number of entries per table

Litho	Alt	Minz	Geotech	Struct	Vein	Photos	Scans
8	17	44	0	6	19	0	0

Springpole Project

Lithologic and Structural Code Identifiers for Loggers

	Color
BLK	Black
BLU	Blue
BRN	Brown
GRN	Green
GRY	Gray
ORG	Orange
PNK	Pink
PUR	Purple
RED	Red
WHT	White
YLW	Yellow

	Color Intesity
LT	Light
MD	Medium
DK	Dark

	Lithologies
AND	Andesite
TRA	Trachyte
POR	Porphyry Dyke
MSD	Metasediments
MSC	Metasedimentary Conglomerate
BIF	Banded Iron Formation
VBX	Volcanic breccia
LAM	Lamprophyre dyke
CRB	Carbonatite
MSM	Muscovite Seam
TUF	Tuff
QPD	Quartz Porphyry Dike
NRC	No recovered core
OBN	Overburden
IND	Indeterminate

	Alteration
ALB	Albite
ARG	Argillic
BIO	Biotite
CHL	Chlorite
EPI	Epidote
FEX	Iron Oxide
GOE	Goetite
HEM	Hematite
JAR	Jarosite
KSP	K-feldspar
POT	Potatssic
SER	Sericite
SIL	Silica
TAL	Talc

	Accessory Minerals
AG	Silver
AU	Gold
CHP	Chalcopyrite
FLU	Fluorite
GAL	Galena
MAR	Marcasite
PYH	Pyrrhotite
ROE	Roscoelite
SPH	Sphalerite
TOU	Tourmaline

Sulfides (Pyrite %)
<1%
1-5%
5-10%
10-15%
>15%

	Textures
APH	Aphanitic
FGN	Fine Grained
MGN	Medium Grained
CGN	Coarse Grained
PRP	Porphyritic
MEG	Megacrystic
BIM	Bimodal
BX	Breccia
CBX	Chaotic Breccia
KBX	Crackle Breccia
MBX	Mosaic Breccia
MYL	Mylonitic
SCH	Schistose

	Intensity Scale (%)
	Void Space, Magnetism, Alteration, CaCO3, Closed Structures
1	Very Weak (1-5%)
2	Weak (5-15%)
3	Moderate (15-30%)
4	Strong (30-60%)
5	Intense (<60%)

	Structures
BD	Bedding
CN	Contact
FL	Fault
JN	Joint
FR	Fracture
LN	Lineation
SH	Shear
FO	Foliation

	Strength
1	Clay
2	Sand
3	Very soft rock
4	Soft rock
5	Moderately soft rock
6	Moderately hard rock
7	Hard rock
8	Very hard rock
9	Extremely hard rock

	Fracture Density	
1	Very Slightly Fractured	(>1 m)
2	Slightly Fractured	(0.3-1.0 m)
3	Moderately Fractured	(0.1-0.3 m)
4	Intensely Fractured	(<0.1 m)
5	Very Intensely Fractured (rubble)	

	Vein Type
QTZ	Quartz
BIO	Biotite
CAR	Carbonate
EPI	Epidote
FLU	Fluorite
GYP	Gypsum
SUL	Sulfide

	Vein Accessory Minerals
B	Biotite
C	Calcite
D	Dolomite
E	Epidote
F	Fluorite
G	Gypsum
P	Pyrite
Q	Quartz
S	Sulfides

Project: SpringPole
Area: Not Recorded
Claim: 1184813

Gold Canyon
Program: 2013
Logger: Eli Friedman

Hole name: SG13-206
Length (m): 310.5

Assays				Litho				
Depth (m)	SampleID	Au (ppm)	Ag (ppm)	Depth (m)	Lith1	Txtr2	Txtr2	Comments
45.70	NoSample200			45.70	No Data			
CertName= RL1301065								
48.00	79588	0.07		46.20	OBN			
50.00	79589	0.04						
52.00	79590	0.05						
54.00	79591	0.05						
56.00	79592	0.05						
58.00	79593	0.11						
60.00	79594	0.67						
62.00	79595	0.06						46.2-60m: Fine grained andesite. Strongly sericite-altered. Soft-white clay composes much of groundmass with less than 1 mm feldspar grains competent. High angle shearing to core axis apparent from 1cm carbonate veins with moderate leaching. Magnetite crystals (less than 1mm) present on the leached margins of carbonate veins, with minor pyrite.
64.00	79597	0.06						46.2-53m: Strongly clay-altered.
66.00	79598	0.11						60-67m: (SAA 46.2-60m) Heavily altered zones wither soft clay replaces groundmass. Irregular fractures expose schistose alignment of decomposing micas. Overall foliation at 20 degrees to core axis.
68.00	79599	0.05						69-80m: Leached groundmass with biotite concentrated in voided areas. Strong calcite crystal growth additionally associated with void space with increased pyrite and sulfides finely disseminated.
70.00	79600	1.36			AND	FGN		80-90m: (SAA 69-80m) Increased biotite alteration concentrated along leached carbonate seams. Finely disseminated pyrite and sulfides in high concentration replacing carbonate veinlets from 83-85m. Jointed.
72.00	79601	2.43						87m: Minor iron oxide (Jarosite) along sub-10 degree foliation, to core axis.
74.00	79602	0.95						
76.00	79603	2.22						
78.00	79604	1.53						
80.00	79605	1.56						
82.00	79607	0.89						
84.00	79608	0.7						
86.00	79609	1.33						
88.50	79610	0.82						
91.50	79611	0.61		90.00				
94.00	79612	0.15						
96.00	79613	0.08			AND	APH		90-100m: Moderately sheared and gradational transition into a mafic/aphanitic groundmass. Clay-rich with competent magnetite crystals pervasive through interval. Minor orange/brown hematite crystals along leached joint surfaces. Decrease in pyrite and sulfides.
98.00	79614	0.16						
100.00	79615	0.11		100.00				
102.00	79616	0.07						
104.00	79617	0.05						
106.00	79619	0.05						101-102m: Pyrite + sulfide-rich with strongly pervasive biotite alteration.
108.00	79620	0.1						100-114m: (SAA 90-100m)
110.00	79621	0.41			AND	FGN		105-114m: Groundmass becoming intensely sheared with a schistose fabric. Pervasive biotite with finely disseminated pyrite and

Project: SpringPole
Area: Not Recorded
Claim: 1184813

Gold Canyon
Program: 2013
Logger: Eli Friedman

Hole name: SG13-206
Length (m): 310.5

Assays				Litho				
Depth (m)	SampleID	Au (ppm)	Ag (ppm)	Depth (m)	Lith1	Txtr2	Txtr2	Comments
112.00	79622	1.38						sulfides. Groundmass consisting of mafic mica, and strongly sheared felsics, and milky-white, disjointed quartz veins. Leached Carbonate voids.
114.00	79623	2.63						
116.00	79624	2.49						
117.00	79625	1.43		117.00				
119.00	79626	1.28						
121.00	79627	2.54						
123.00	79628	1.79						
125.00	79630	1.26						
127.00	79631	0.45						
129.00	79632	1.41						
131.00	79633	1.87						
133.00	79634	1.52						
135.00	79635	1.94						117-120m: Cave-in noted on run block. Gradational contact where core is recovered. Multiple shearing events apparent from quartz/carbonate vein (anastomosing); offsets in multiple directions.
CertNames= RL1301156								
137.00	79636	1.6	3.5					120-130m: Mafic aphanitic trachyte with pervasive anastomosing quartz/carbonate veinlets and strongly disseminated pyrite and sulfides throughout groundmass but concentrated along vein margins and leached sheared zones.
139.00	79638	0.63	0.8					123.8m: Rogue porphyry clast with dark pink potassic alteration; with greater than 15% pyrite and sulfides.
141.00	79639	0.79	3.3					124-126m: Highly concentrated pyrite within irregular carbonate veinlets (2-5cm width).
143.00	79640	2.04	11.2		TRA	APH		130-140m: 25-30, to core axis, shearing. Moderate to strong leaching. Chalky rubbled areas. Competent groundmass has pervasively disseminated pyrite and sulfides. Platy biotite formed within leached voids-- (2-3mm) retrograde biotite.
145.00	79641	1.74	8.2					134m: High pyrite concentration with 2-3mm platy, retrograde biotite.
147.00	79642	4.91	8.1					140-149m: (SAA 130-140m) With faint occurrence of visible feldspar (1cm). Biotite infilling veinlets.
149.00	79643	5.04	12.2					146.5-147m: Soft white clay zone. Decomposed carbonatite seam?
151.00	79645	2.5	3.9					149-160m: (SAA 120-130m) with 1mm, platy biotite along joint and fracture surfaces.
153.00	79646	5.32	1.2					158-159m: Minor sphalerite infilling carbonate veinlets.
155.00	79647	2.19	1.7					160-169.5m: (SAA 149-160m) Second half of interval has more densely-packed and disjointed quartz/carbonate veinlets.
157.00	79648	2.67	1.6					
159.00	79649	1.08	5.3					
161.00	79650	3.38	4.8					
163.00	79651	0.93	1.9					
165.00	79652	1.66	1.2					
167.00	79653	2.37	1					
169.50	79654	2.53	1.2	169.50				
171.00	79656	0.55	0.4					
173.00	79657	0.24	0.3					
175.00	79658	0.53	0.8					169.5m: Andesite contact. Steeply sheared (to core axis) and gradational 10-15 degrees.
177.00	79659	0.1	0.3					169.5-180m: Fine grained felsic groundmass with less than 1cm chlorite blebs foliation along fabric and less than 1mm magnetite crystals. Rough joint faces covered with pink calcite. Tuffaceous texture.
					AND	FGN		

Project: SpringPole
Area: Not Recorded
Claim: 1184813

Gold Canyon
Program: 2013
Logger: Eli Friedman

Hole name: SG13-206
Length (m): 310.5

Assays				Litho				
Depth (m)	SampleID	Au (ppm)	Ag (ppm)	Depth (m)	Lith1	Txtr2	Txtr2	Comments
179.00	79660	0.08	0.15		AND	TGN		176.4m: Alpha 55/Beta 360 degree fault/gouge zone.
181.00	79661	0.08	0.3					178m: Minor increase in pyrite and sulfides.
182.00	79662	0.05	0.15					180-183.5m: SAA(169.5-180m) Chlorite blebs disappear across interval.
183.50	79664	0.58	1	183.50				
185.00	79665	0.19	1.2					
187.00	79666	0.13	1					
189.00	79667	0.21	0.7					
191.00	79668	0.18	1					
193.00	79669	0.07	1.5					
195.00	79670	0.03	0.9					
197.00	79671	0.04	0.9					
199.00	79673	0.11	0.6					
201.00	79674	0.02	0.4					
203.00	79675	0.01	0.4					
205.00	79676	0.19	0.8					
207.00	79677	0.07	0.9					
209.00	79678	0.02	0.7					
211.00	79679	0.005	0.4					
213.00	79680	0.005	0.5					
215.00	79682	0.02	0.6					
217.00	79683	0.02	0.6					
219.00	79684	0.02	1					183-184m: Gradational contact with concentrated pyrite infilling carbonate veinlets, steeply sheared to core axis.
221.00	79685	0.01	0.7					183.5-200m: Heterolithic breccia. Selective alteration (sericite) in clasts, mafic groundmass with minor biotite alteration. Sub-rounded to
223.00	79686	0.005	0.15					rounded clasts with minor silicification (Tan color). Minor pyrite and sulfides within groundmass but mostly along clast margins. Chaotic
225.00	79687	0.005	0.6					texture.
227.00	79688	0.005	0.15					189-195m: Several 15-20cm, weakly-altered porphyry clasts with sharp contact into groundmass.
229.00	79689	0.04	0.6					200-220m: SAA(183.5-200m) Clast size decreasing across interval. Heterolithic clasts are more sericite-altered than angular. Rounded
231.00	79691	0.27	0.5					silica clasts with bluish hue (about 1cm).
233.00	79692	0.11	0.4					220-240m: Heterolithic clasts as above (1-2cm). Increase carbonate. Sericite alteration leaching into mafic groundmass with selective
235.00	79693	0.05	0.3		TRA	CBX		alteration. Small rounded clasts have a mate, cherty look.
237.00	79694	0.19	0.7					228-229m: 20-30cm carbonate veins with minor fluorite.
239.00	79695	0.13	2.3					240-260m: SAA (220-240m) Mafic groundmass mostly unaltered with minor biotite along clast margins. Pyrite concentrated along mica
241.00	79696	0.3	1					seams. Minor sericite alteration of white/tan feldspar grains.
243.00	79697	0.92	1					247.5-260m: More matrix-dominated than above. Mostly unaltered groundmass. Cubic pyrite present, and selectively altered sub-
245.00	79698	2.43	7.9					rounded clasts (tan), and sub-angular feldspar grains.
								258-260m: Wispy carbonate veins (40 degrees to core axis). Milky white and cross-cutting. Existing clasts and grains in groundmass.
								260-280m: SAA (247.5-260m) Mafic/aphanitic groundmass with minor biotite alteration. Shear direction 10-15 degrees to core axis.
								267-268m: Carbonate-rich intrusion with angular clasts of surrounding groundmass brecciated inside. Cross-cut by secondary quartz
								veins.

Project: SpringPole
Area: Not Recorded
Claim: 1184813

Gold Canyon
Program: 2013
Logger: Eli Friedman

Hole name: SG13-206
Length (m): 310.5

Assays				Litho				
Depth (m)	SampleID	Au (ppm)	Ag (ppm)	Depth (m)	Lith1	Txtr2	Txtr2	Comments
247.00	79699	2.87	3.4					280-283m: mafic groundmass with trachyte clasts (unaltered feldspars) with associated chalcopyrite and sphalerite. Moderate sulfides and pyrite finely disseminated.
249.00	79700	0.59	1.6					
251.00	79701	0.19	0.6					
253.00	79703	0.63	1					
255.00	79704	1.33	1.6					
257.00	79705	0.08	0.15					
259.00	79706	0.04	0.15					
261.00	79707	0.14	0.3					
263.00	79708	0.03	0.15					
265.00	79709	0.07	0.15					
267.00	79710	0.03	0.15					
269.00	79711	0.19	0.6					
271.00	79712	0.005	0.15					
273.00	79714	0.02	0.15					
275.00	79715	0.02	0.15					
277.00	79716	0.23	0.9					
279.00	79717	5.63	5.5					
281.00	79718	0.88	2					
283.00	79719	0.1	0.15	283.00				
285.00	79720	0.72	2.7		TRA	APH		283-300m: Aphanitic/mafic groundmass. Largely unaltered. Faint biotite alteration of select clasts. Irregular, disjointed, and anastomosing quartz veins with limited carbonate replacement. Pyrite less finely disseminated, instead, cubic crystals (less than 1mm), though along fractured surfaces dissemination is apparent. 300-310.5m: Mafic/aphanitic with minor sub-rounded clasts. Heterolithic clasts re-incorporated at 305m with decrease in disseminated pyrite. Cubic pyrite along wispy carbonate veinlets. Silicified. 304.5-305.8m: 25 degree (to core axis) quartz + biotite vein cross-cutting and off-setting 3 carbonate veinlets.
287.00	79721	0.03	0.15					
289.00	79722	0.61	0.7					
291.00	79723	0.33	0.4					
293.00	79724	0.02	0.15					
295.00	79726	0.07	0.3					
297.00	79727	0.56	1.2					
299.00	79728	0.5	1.1					
301.00	79729	0.01	0.15					
303.00	79730	0.01	0.15					
305.00	79731	0.07	0.5					
307.00	79732	0.06	0.15					
309.00	79733	0.08	0.15					
310.50	79734	0.05	0.15	310.50				

Project: SpringPole
Area: Not Recorded

Gold Canyon
Program: 2013
Logger: Eli Friedman

Hole name: SG13-206
Length (m): 310.5

Mineralization

mFrom	mTo	Pyrite_Pct	Min1	Min1_Pct	Min2	Min2_Pct	Comments
46.20	62.00	0.5					
62.00	69.00	0.5					
69.00	79.00	3					
79.00	80.00	3					
80.00	83.00	7.5					
83.00	85.00	15					
85.00	90.00	3					
90.00	93.00	0.5	Mag	3			
93.00	95.00	0.5	Mag	3			
95.00	101.00	0.5	Mag	3			
101.00	102.00	15	Mag	3			
102.00	105.00	0.5	Mag	3			
105.00	108.00	3					
108.00	114.00	7.5					
114.00	117.00	7.5					
117.00	124.00	7.5					
124.00	126.00	15					
126.00	134.00	7.5					
134.00	135.00	15					
135.00	169.50	7.5	SPH	0.5			158-159m: Minor sphalerite infilling carbonate veinlets.
169.50	178.00	0.5	CHP	0.5	Mag	3	
178.00	180.00	3	CHP	0.5	Mag	3	
180.00	183.00	3					
183.00	184.00	15					
184.00	192.00	3					
192.00	194.00	7.5					
194.00	197.00	3					
197.00	200.00	7.5					
200.00	201.00	3					
201.00	204.00	3					
204.00	209.00	7.5					
209.00	216.00	3					
216.00	218.00	7.5					
218.00	228.00	3					

Project: SpringPole
Area: Not Recorded

Gold Canyon
Program: 2013
Logger: Eli Friedman

Hole name: SG13-206
Length (m): 310.5

Mineralization

mFrom	mTo	Pyrite_Pct	Min1	Min1_Pct	Min2	Min2_Pct	Comments
228.00	232.00	3	FLU	0.5			
232.00	238.00	3					
238.00	273.00	3					
273.00	275.00	3					
275.00	280.00	3					
280.00	281.00	3	SPH	0.5	CHP	0.5	
281.00	291.00	3					
291.00	293.00	7.5					
293.00	305.00	3					
305.00	310.50	0.5					

Project: SpringPole
Area: Not Recorded

Gold Canyon
Program: 2013
Logger: Eli Friedman

Hole name: SG13-206
Length (m): 310.5

Veins

mDepth	mWidth	Vein1	Vein1_AlphaAngle	Vein1_Min1	Vein1_Min2	Vein1_Min3	Comments
56.80	0.01	QTZ	20	C			56.8-57.0m: 1cm quartz vein replaced partially with carbonate and chlorite
68.80	0.10	QTZ					Bull quartz vein (broken) and chlorite with minor pyrite
70.50	0.10	QTZ					Bull quartz vein (broken) and chlorite with minor pyrite
71.60	0.10	QTZ					Bull quartz vein (broken) and chlorite with minor pyrite
78.80	0.05	CAR	25	C			5mm calcite crystals
114.00	0.00	CAR	15	P	B		114-114.4m: Irregular, broken carbonate veinlet with retrograde biotite, line-green calcite (minor) and pyrite and sulfides.
127.40	0.15	CAR	50	B			Carbonate vein (15cm width) + minor biotite infill.
136.60	0.10	CAR					Irregular carbonate vein with minor pyrite.
169.80	0.02	QTZ	20	S			169.8m: Quartz vein + minor chalcopyrite+ minor tourmaline
214.10	0.02	QTZ	45				2cm quartz vein with minor biotite and pyrite infill.
215.80	0.10	QTZ		P			Quartz/carbonate vein with pyrite and sulfides
226.80	0.20	QTZ		C			226.8-228m: 20cm quartz/carbonate veins (3) with minor bladed biotite along microfractures.
256.70	0.01	QTZ		B			Quartz/carbonate vein with biotite infill along margins.
278.00	0.04	QTZ					278m: Quartz vein with dark green chlorite infiling microfractures.
300.70	0.01	QTZ	45				Bull quartz vein with sharp contacts with groundmass.
301.00	0.00	CAR	60	B			Carbonate vein replaced almost entirely with biotite.
305.20	0.02	QTZ					Irregular quartz vein with broken and sheared groundmass.
305.40	0.01	QTZ	25				Quartz+biotite cross-cutting and offsetting 3 carbonate veinlets.
309.00	0.06	QTZ		B			Quartz vein with 5mm platy biotite.

Project: SpringPole
Area: Not Recorded

Gold Canyon
Program: 2013
Logger: Eli Friedman

Hole name: SG13-206
Length (m): 310.5

Alteration

mFrom	mTo	Alt1	Int	Alt2	Int	Alt3	Int	Alt4	Int	Comments
46.20	53.00	SER	4	CHL	3					
53.00	69.00	SER	3	CHL	3					
69.00	80.00	SER	2	CHL	2	BIO	1			
80.00	90.00	SER	2	BIO	2					
90.00	101.00	SER	3							
101.00	102.00	SER	3	BIO	3					
102.00	105.00	SER	3							
105.00	117.00	SER	3	BIO	2					
117.00	120.00	BIO	2	SER	1					
120.00	130.00	BIO	1							
130.00	149.00	BIO	2	SER	2					
149.00	169.50	BIO	1							
169.50	182.00	CHL	3	SER	1					
182.00	183.50	CHL	1							
183.50	240.00	BIO	2	SER	2					
240.00	283.00	BIO	1	SER	1					
283.00	310.50	BIO	1							

Project: SpringPole
Area: Not Recorded

Gold Canyon
Program: 2013
Logger: Eli Friedman

Hole name: SG13-206
Length (m): 310.5

Color

mFrom	mTo	Color1	Int	Color2	Comments
46.20	69.00	GRN	LT	TAN	
69.00	80.00	GRN	DK	TAN	
80.00	90.00	GRN	DK	GRY	
90.00	100.00	GRN	LT	TAN	
100.00	107.00	GRN	LT		
107.00	117.00	GRN	DK	BLK	
117.00	169.50	GRY	DK	GRY	
169.50	171.00	GRN	LT		
171.00	183.50	GRN	LT		
183.50	300.00	GRY	DK		
300.00	310.50	GRY	DK	BLK	

Project: SpringPole
Area: Not Recorded

Gold Canyon
Program: 201
Logger: Eli Friedman

Hole name: SG13-206
Length (m): 310.5

Carbonate and Void Space

mFrom	mTo	Void_pctCod	Carb_IntCod	Comments
46.20	66.00	1	1	
66.00	67.00	1	5	
67.00	78.00	2	1	
78.00	80.00	2	2	
80.00	83.00	2	1	
83.00	90.00	3	1	
90.00	105.00	1	2	
105.00	108.00	1	1	
108.00	117.00	2	1	
117.00	130.00	0	1	
130.00	135.00	3	1	
135.00	138.00	0	0	
138.00	143.00	2	0	
143.00	151.00	3	0	
151.00	155.00	0	2	
155.00	160.00	0	3	
160.00	163.00	0	0	
163.00	165.00	0	3	
165.00	173.00	0	5	
173.00	178.00	0	3	
178.00	183.50	0	1	
183.50	192.00	0	3	
192.00	194.00	0	1	
194.00	202.00	0	2	
202.00	222.00	0	1	
222.00	228.00	0	2	
228.00	237.00	0	3	
237.00	247.00	0	4	
247.00	255.00	0	2	
255.00	290.00	0	3	
290.00	296.00	0	2	
296.00	310.50	0	1	

Project: SpringPole
Area: Not Recorded

Gold Canyon
Program: 2013
Logger: Eli Friedman

Hole name: SG13-206
Length (m): 310.5

Geotech

mFrom	mTo	Recov_m	Recov_pct	RQD_m	RQD_pct	StrengthCo	Comments

Gold Canyon

Project	SpringPole	*Program*	2013	*Hole name*	**SP13-207**
Area	Not Recorded	*Hole Type*	Diamond Drill	*Length (m)*	224
Claim	1184813			*Size*	HQ
Drill Contractor	Rodren	*Other Hole name*		*Data Origin*	GEO4-LENOVO
Drill Rig	1	*Cassing Pulled*	Unknown	*Data Date*	7/25/2013
Date Started	6/21/2013	*Cassing (m)*	94.49	*Data BY*	Geology
Date Finished	6/25/2013				
Logger	Stacey Ng	*Log Date*	6/23/2013		
Target	Site: B453				
Hole Comments	175' PW, 235' HW casing				
Collar survey Date	6/24/2013	*Survey By*	Maia Matarrese	*Method*	Trimble R8
Survey Notes					

Collar coordinates

Grid	Name	x	Y	z	Az	Dip
Original	UTM84-15N	549,343.71	5,693,707.49	391.58	0.00	-90.00
Preferred	UTM84-15N	549,343.71	5,693,707.49	391.58	0.00	
Local						
Lat Long						

Down-hole surveys

SurveyDHDesc	mDepth	Dip	AzOrig	AzLocal	AzPref	AzMag	MagField	Remarks
yro (readings taken upwa	0.00	-88.74	86.39		86.39			
yro (readings taken upwa	10.00	-89.21	81.38		81.38			
yro (readings taken upwa	20.00	-89.16	79.98		79.98			
yro (readings taken upwa	30.00	-89.17	67.90		67.90			
yro (readings taken upwa	40.00	-88.85	58.10		58.10			
yro (readings taken upwa	50.00	-87.97	339.41		339.41			
yro (readings taken upwa	60.00	-86.71	267.18		267.18			
yro (readings taken upwa	70.00	-86.89	269.39		269.39			
yro (readings taken upwa	80.00	-87.02	266.36		266.36			
yro (readings taken upwa	90.00	-86.78	264.46		264.46			
yro (readings taken upwa	100.00	-86.77	260.27		260.27			
yro (readings taken upwa	110.00	-86.74	261.80		261.80			
yro (readings taken upwa	120.00	-86.75	261.96		261.96			
yro (readings taken upwa	130.00	-86.70	260.45		260.45			
yro (readings taken upwa	140.00	-86.63	262.77		262.77			
yro (readings taken upwa	150.00	-86.33	261.15		261.15			
yro (readings taken upwa	160.00	-86.12	258.68		258.68			
yro (readings taken upwa	170.00	-86.03	258.77		258.77			
yro (readings taken upwa	180.00	-86.17	256.77		256.77			
yro (readings taken upwa	190.00	-86.28	263.65		263.65			
yro (readings taken upwa	200.00	-86.48	268.14		268.14			
yro (readings taken upwa	210.00	-86.70	271.71		271.71			

Relating Certificates

LabCode	Status	CertName	CertDate	Between	and	SampleGen
SGS	QC-NR	RL1302043	7/6/2013	70.50	139.00	0
SGS	QC-NR	RL1302073	7/8/2013	139.00	196.00	0
SGS	QC-NR	RL1302107	7/10/2013	196.00	224.00	0

Control Samples

SampleID	mFrom	mTo	SampleCode	SampleGen	Au_ppm	WtRecvd_kg	Au_CertName

88361	184.00	186.00	2-DUPF	0	1.29	3.00	RL1302073
88308	87.00	89.60	2-DUPL	0	0.51		RL1302043
88339	147.00	149.00	2-DUPL	0	0.60		RL1302073
88350	165.00	167.00	2-DUPL	0	0.08		RL1302073
88327	125.00	127.00	Blk-BL9	0	0.05	1.10	RL1302043
88373	206.00	208.00	Blk-BL9	0	0.00	1.20	RL1302107
88315	100.00	102.00	Std-5G-GS	0	4.72	0.10	RL1302043
88344	155.00	157.00	STD-MID	0	0.74	0.06	RL1302073

Number of entries per table

Litho	Alt	Minz	Geotech	Struct	Vein	Photos	Scans
13	16	13	51	34	0	0	0

Project: SpringPole
Area: Not Recorded
Claim: 1184813

Gold Canyon
Program: 2013
Logger: Stacey Ng

Hole name: SP13-207
Length (m): 224

Assays				Litho				
Depth (m)	SampleID	Au (ppm)	Ag (ppm)	Depth (m)	Lith1	Txtr2	Txtr2	Comments
	No Data			25.90	WTR			
70.50				70.50	OBN			69.7-70.5m: OBN-granite and diorite rubble, some very fine-grained, powdery sand
Certs= RL1302043								
75.00	88301	0.57	4.7					
77.00	88302	0.57	3.7					61.5-80.6m: strongly argillized trachyte? Alteration makes it difficult to determine exact rock type except where seen in less altered fragments. Small amounts of platy biotite visible on fracture surfaces where core is more competent. Core is overall medium gray with a slight tint of green. 1-5% very fine-grained, anhedral, disseminated pyrite. Few larger, fine-grained pyrite is sibhedral. Non-magnetic. Pyrite generally closer to 5%. No carbonate reaction to 10% HCl and weak void space. Core is mainly a cohesive clay, can easily be broken apart. Void space is only visible where core is more competent-> partial dissolution? 78-80.6m: increased biotite alteration, randomly present within matrix. Core becomes more fractured and blocky. Still a strong argillic presence pervasively throughout the matrix.
80.00	88303	0.46	3.2					
84.00	88304	0.98	8.7		TRA	FGN	DEC	
85.50	88305	0.47	3					
87.00	88306	0.35	2					
89.60	88307	0.56	3.1	89.60				
92.00	88309	0.36	2.2					
94.00	88310	0.26	1.6					
96.00	88311	0.25	1.6					80.6- m: Brown and gray, medium-grained to coarse-grained feldspar porphyry. Feldspars are generally white or gray, ranging from 5-20mm in lnegth. Variety of shapes and sizes. Some grains exhibit zoning (dark gray cores). Few also contain minimal pink, potassic(?) alteration. Pervasive moderate sericite alteration throughout the interval giving core a slight green tint. Intermittent intervals where goethite alteration is strong and pervasively distributed within the matrix. Present among other iron oxides in smaller amounts (hematite and jarosite?). Feldspars are not oriented, mostly rounded or subhedral. No carbonate reaction, minimal and rare very fine-grained pyrite specks present. Weak void space where vein dissolution has occurred. Intervals of sandy, crushed feldspars mixed with larger, more competent pieces of core. Some micro-veinlets present that cross-cut feldspars. Pyrite seems to be more ceoncentrated in areas where there is less goethite and iron-oxide alteration 107-119m: continuation of medium-grained to coarse-grained felspar porphyry. Still strongly iron-oxidized-mainly goethite and jarosite. There is minimal hematite staining surrounding and within feldsars. Feldspars are mostly rounded and subhedral, 5-10mm in length, abundantly dispersed within the matrix and randomly oriented.
98.00	88312	0.26	1.7					
100.00	88313	0.72	6.9					
102.00	88314	0.53	17.6					
104.00	88316	0.36	9.9		POR	MGN	CGN	
106.00	88317	0.53	7.5					
108.00	88318	0.31	21.8					
110.00	88319	0.23	6.7					
112.00	88320	0.4	11.9					
114.00	88321	0.46	6.1					
116.00	88322	0.58	19.3					
119.00	88323	3.85	10.8	119.00				
122.00	88324	60.15	61.7	122.00	TRA	BX		119-122m: short interval of trachyte? No goethite alteration, mostly sericite and argillic, medium gray in color. Slight increase in visible sulfides to 1-5%. Very weak carboante reaction along partially dissolutioned micro-veinlets. Very fine-grained pyrite concentrated in vugs where dissolution has occurred. Appears slightly brecciated. Few fine-grained, anhedral white and black grains. Pyrite also finely disseminated.
125.00	88325	12.47	32.7					
127.00	88326	6.52	35.2					
129.00	88328	0.95	8.7					122-137.6m: Same as above (89.6-119m). Brown/gray, medium-grained to coarse-grained feldspar porphyry. Strongly goethite altered among other iron oxides in smaller amounts. Core is strongly fractured. Contains many sandy friable zones. Core breaks easily. More competent zones are less goethite altered. Intermittent and random fluid movement displayed in the alternating intervals of friable and more competent core.
131.00	88329	0.41	7.6		POR	MGN	CGN	
133.00	88330	0.49	10.7					
135.00	88331	0.47	17.5					
137.60	88332	0.9	8.6	137.60				
139.00	88333	0.12	1.9					

Project: SpringPole
Area: Not Recorded
Claim: 1184813

Gold Canyon
Program: 2013
Logger: Stacey Ng

Hole name: SP13-207
Length (m): 224

Assays				Litho				
Depth (m)	SampleID	Au (ppm)	Ag (ppm)	Depth (m)	Lith1	Txtr2	Txtr2	Comments
Certs= RL1302073								
141.00	88334	0.14	0.5					
143.00	88335	0.07	0.15					
145.00	88336	0.23	0.7					
147.00	88337	0.1	0.15					
149.00	88338	0.59	0.5					
151.00	88340	1.43	0.5		TRA	DEC		137.6-163m: Distinct change to decomposed trachyte. Large feldspars are no longer visible. Core is strongly argiliized and almost completely clay. There is also strong sericite and moderate biotite alteration. Distinct increase in pyrite and magnetism. Pyrite is very fine-grained and disseminated throughout the matrix at 5-10%. Moderate magnetism. Anhedral, fine-grained, white and black specks visible within the matrix (visible on fracture surfaces) -> feldspars and magnetite, respectively? @142m: core becomes slightly darker as biotite alteration increases. 142.2-142.7m: fine-grained 1-2mm, anhedral, white specks visible and randomly dispersed-feldspars? @142m: core also becomes more competent and only partially argillized @143m: slight decrease in pyrite to 1-5%
153.00	88341	1.03	0.8					
155.00	88342	0.22	0.15					
157.00	88343	0.48	0.9					
159.00	88345	0.14	0.15					
161.00	88346	0.14	0.4					
163.00	88347	0.14	0.6	163.00				
165.00	88348	0.34	2.7					
167.00	88349	0.1	1.2					
169.00	88351	0.19	1.8					
171.00	88352	0.12	1.1		POR	MGN	CGN	163m: gradual transition from fine-grained trachyte to medium-grained to coarse-grained porphyry. 5-10mm feldspars become more apparent. 163-179m: medium-grained to coarse-grained feldspar porphyry. Feldspars are generally 5-10mm in length and are randomly oriented within the matrix. Most are white/beige, some exhibit zoning. Sporadic dark red hematite? Staining surrounding feldspars. Very fine-grained cubic pyrite disseminated at 1-5%. Core is fairly incompetent. Crumbles/breaks easily and is surrounded by sandy/crushed feldspa material. Iron-oxide aleration present as hematite as mentioned above and some goethite present on fracture surfaces, especially at 163.8m and 177.1m. Core is fairly vuggy, non magnetic and no carbonate reaction. Weak to moderate argillization. Some intervals have stronger alteration than others.
173.00	88353	0.28	2.3					
175.00	88354	0.2	1.2					
177.00	88355	0.33	2.2					
179.00	88356	0.17	1.4	179.00				
180.20	88357	0.23	2.7	180.20	LAM	FGN	DEC	179-180.2m: fine-grained lamprophyre dyke?? Fine-grained, 2x2mm, subhedral to cubic pyrite abundantly distributed throughout at 5-10%. Distinct increase in biotite alteration (strong). Moderate sericite and argillic alteration also present. Difficult to determine void space since core is mostly a cohesive clay
182.00	88358	0.21	1.4					
184.00	88359	0.47	3					
186.00	88360	1.44	8.5					
188.00	88362	3.33	21.7					
190.00	88363	3.24	28.6		POR	MGN	CGN	180.2-224m: Same as above (163-179m). Void space is where vein dissolution has occurred as well as where feldspars seem to have been "pitted" from the core matrix. Sporadic, somewhat pervasive sericite alteration, giving matrix a light olive green tint.
192.00	88364	4.41	44.9					
194.00	88365	2.65	30.1					
196.00	88366	7.75	20.7					
Certs= RL1302107								
198.00	88367	1.7	16.5	197.00				
								197m: core becomes extremely friable and decomposed. feldspars are still generally medium-grained to coarse-grained but mostly

Project: SpringPole
Area: Not Recorded
Claim: 1184813

Gold Canyon
Program: 2013
Logger: Stacey Ng

Hole name: SP13-207
Length (m): 224

Assays				Litho				
Depth (m)	SampleID	Au (ppm)	Ag (ppm)	Depth (m)	Lith1	Txtr2	Txtr2	Comments
200.00	88368	1.52	12.3	203.00	POR	MGN	DEC	201.7m: core becomes extremely friable and decomposed, feldspars are still generally medium grained to coarse grained but mostly crushed into sand/clay mixture. Slight increase in very-fine-grained, anhedral pyrite, disseminated throughout the coarse sand 200-202.5m: core becomes increasingly decomposed, turning into a friable, sandy mixture, solely held together by clay. Minor increase in pyrite to 5-10%. Very finely disseminated throughout. No void space since core is surrounded by a cohesive clay.
202.00	88369	1.64	14.3					
204.00	88370	2.84	15.4					
206.00	88371	1.3	11.9	210.00	POR	MGN	CGN	202.5-210m: core is competent againbut rock is still fairly weak. Whole feldspars are visible ranging from 5-10mm in length. Trace amounts of pyrite. No magnetism, carbonate, and weak void space present. Few sandy intervals are still present among more competent blocky core. Lithology is same as above with varying intensities of alteration.
208.00	88372	1.41	14.3					
210.00	88374	2.37	23.3					
212.00	88375	1.77	16.4	224.00	POR	MGN	DEC	210-224m: core becomes decomposed sand again. Low recovery (<50%). Few pieces left solely held together by clay. Very friable and incompetent. Crushed feldspars. Slight increase in pyrite to 1-5%. Some intervals where a brassy brown color is visible on fracture surfaces->minor iron-oxidation? 224m: EOH
215.00	88376	1.65	12.1					
217.00	88377	5.6	55					
221.00	88378	4.7	35.4					
224.00	88379	6.62	64.8					

Project: SpringPole
Area: Not Recorded

Gold Canyon
Program: 2013
Logger: Stacey Ng

Hole name: SP13-207
Length (m): 224

Mineralization

mFrom	mTo	Pyrite_Pct	Min1	Min1_Pct	Min2	Min2_Pct	Comments
70.50	89.60	3					
89.60	119.00	0.5					
119.00	122.00	3					
122.00	137.60	0.5					
137.60	143.00	7.5					
143.00	163.00	3					
163.00	179.00	3					
179.00	180.20	7.5					
180.20	197.00	0.5					
197.00	200.00	3	GAL	0.5			198.3m: small presence of very fine-grained anhedral galena on fracture surfaces where minor goethite alteration hass occurred?
200.00	203.00	7.5					
203.00	210.00	0.5					
210.00	224.00	3					

Project: SpringPole
Area: Not Recorded

Gold Canyon
Program: 2013
Logger: Stacey Ng

Hole name: SP13-207
Length (m): 224

Veins

mDepth	mWidth	Vein1	Vein1_AlphaAngle	Vein1_Min1	Vein1_Min2	Vein1_Min3	Comments

Project: SpringPole
Area: Not Recorded

Gold Canyon
Program: 2013
Logger: Stacey Ng

Hole name: SP13-207
Length (m): 224

Alteration

mFrom	mTo	Alt1	Int	Alt2	Int	Alt3	Int	Alt4	Int	Comments
70.50	87.00	ARG	4	BIO	2					
87.00	89.60	ARG	4	BIO	3					
89.60	93.00	SER	3	ARG	2	BIO	1			
93.00	119.00	GOE	4	FEX	3	SER	2	BIO	1	
119.00	122.00	SER	3	ARG	3	BIO	1			
122.00	137.60	GOE	4	FEX	3	SER	2	BIO	1	
137.60	142.00	ARG	4	SER	4	BIO	3			
142.00	153.00	BIO	4	ARG	3	SER	3			
153.00	163.00	SER	3	BIO	3	ARG	3			
163.00	179.00	SER	4	ARG	3	BIO	1	FEX	1	
179.00	180.20	BIO	4	SER	3	ARG	3			
180.20	197.00	SER	3	ARG	3	BIO	1			
197.00	200.00	ARG	4	SER	3	BIO	1	GOE	1	
200.00	202.00	ARG	4	SER	3	BIO	1			
202.00	210.00	ARG	3	SER	3	BIO	1			
210.00	224.00	ARG	4	SER	3	BIO	1			

Project: SpringPole
Area: Not Recorded

Gold Canyon
Program: 2013
Logger: Stacey Ng

Hole name: SP13-207
Length (m): 224

Color

mFrom	mTo	Color1	Int	Color2	Comments
70.50	87.00	GRY	DK	GRN	
87.00	89.60	GRY	DK		
89.60	93.00	GRY	LT	GRN	
93.00	119.00	BRN	MD	GRY	
119.00	122.00	GRY	MD		
122.00	137.60	BRN	MD	GRY	
137.60	142.00	GRY	MD		
142.00	163.00	GRY	DK		
163.00	167.00	GRY	MD		
167.00	179.00	GRY	LT	GRN	
179.00	180.20	BLK			
180.20	197.00	GRY	LT	GRN	
197.00	200.00	GRY	MD	BRN	
200.00	201.00	GRY	DK	BRN	
201.00	202.00	GRY	DK	BLK	
202.00	210.00	GRY	MD		
210.00	224.00	GRY	MD	BRN	

Project: SpringPole
Area: Not Recorded

Gold Canyon
Program: 2013
Logger: Stacey Ng

Hole name: SP13-207
Length (m): 224

Carbonate and Void Space

mFrom	mTo	Void_pctCod	Carb_IntCode	Comments
70.50	71.00	2	1	
71.00	89.60	1	0	
89.60	119.00	2	0	
119.00	122.00	2	1	
122.00	137.60	2	0	
137.60	163.00	0	0	
163.00	179.00	3	0	
179.00	180.20	2	0	
180.20	200.00	3	0	
200.00	224.00	2	0	

Project: SpringPole | **Gold Canyon** | Hole name: SP13-207

Area: Not Recorded | Program: 2013 | Length (m): 224

Logger: Stacey Ng

Geotech

mFrom	mTo	Recov_m	Recov_pct	RQD_m	RQD_pct	StrengthCo	Comments
71.00	74.00	0.5	16.7	0	0	1	
74.00	77.00	1.4	46.7	0	0	1	
77.00	80.00	1.3	43.3	0	0	1	
80.00	83.00	0.8	26.7	0	0	1	
83.00	86.00	2.1	70	0	0	1	
86.00	89.00	2.9	96.7	0	0	1	
89.00	92.00	3	100	0	0	7	change at 80.6m, very blocky and fractured but hard
92.00	95.00	3	100	0.5	16.7	7	
95.00	98.00	2.9	96.7	0	0	3	strongly argillized, few chunks of hard core mixed in
98.00	101.00	2.2	73.3	0.1	3.3	6	some coarse sandy material mixed in
101.00	104.00	3	100	1	33.3	6	
104.00	107.00	3	100	0.6	20	6	
107.00	110.00	3	100	1	33.3	6	
110.00	113.00	3	100	1.9	63.3	6	
113.00	116.00	3	100	1.5	50	6	
116.00	119.00	1.9	63.3	0.5	16.7	6	
119.00	122.00	2.4	80	0.1	3.3	5	
122.00	125.00	2.1	70	0.2	6.7	5	
125.00	128.00	2.7	90	0	0	4	
128.00	131.00	2.9	96.7	0.3	10	6	
131.00	134.00	2.6	86.7	0.2	6.7	6	
134.00	137.00	2.8	93.3	0.4	13.3	6	134-152m: highly variable argillic alteration intensities, some zones are completely argillized while other zones are more argillized on the outside with harder, more competent core on the inside. Some intervals completely crumble upon light strike from pick
137.00	140.00	2.5	83.3	0	0	1	clay/mud
140.00	143.00	3	100	0	0	1	
143.00	146.00	2.7	90	0	0	3	
146.00	149.00	2.7	90	0	0	3	
149.00	152.00	3	100	0	0	3	
152.00	155.00	3	100	1.2	40	4	
155.00	158.00	3	100	1.5	50	4	

Project: SpringPole | **Gold Canyon** | Hole name: SP13-207

Area: Not Recorded | Program: 2013 | Length (m): 224

Logger: Stacey Ng

Geotech

mFrom	mTo	Recov_m	Recov_pct	RQD_m	RQD_pct	StrengthCo	Comments
158.00	161.00	3.1	103.3	1.4	46.7	4	
161.00	164.00	3.1	103.3	0	0	1	between 1 & 3
164.00	167.00	3.2	106.7	0	0	4	
167.00	170.00	3	100	0.7	23.3	4	
170.00	173.00	2.9	96.7	0	0	4	
173.00	176.00	3	100	0.2	6.7	4	
176.00	179.00	2.7	90	0.2	6.7	4	
179.00	182.00	3	100	0.1	3.3	4	change @ 181m - strngth=6
182.00	185.00	3	100	0.7	23.3	6	
185.00	188.00	3	100	0.6	20	6	hard rock but fractures with just one strike
188.00	191.00	2.9	96.7	0.5	16.7	6	
191.00	194.00	3.1	103.3	0.8	26.7	6	
194.00	197.00	2.8	93.3	0.4	13.3	6	
197.00	200.00	3	100	0	0	2	change @198m to strength=2, generally between 1 & 2, sand/clay mixture, crumbles upon touch
200.00	203.00	2.7	90	0	0	2	
203.00	206.00	3	100	0	0	3	
206.00	209.00	3	100	0	0	3	
209.00	212.00	2.9	96.7	0.2	6.7	3	
212.00	215.00	2	66.7	0	0	2	
215.00	218.00	2	66.7	0	0	2	
218.00	221.00	1	33.3	0	0	2	
221.00	224.00	1.4	46.7	0	0	2	EOH @ 224m

Gold Canyon

Project	SpringPole	*Program*	2013	*Hole name*	**SP13-208**
Area	Not Recorded	*Hole Type*	Diamond Drill	*Length (m)*	152
Claim	1184813			*Size*	HQ
Drill Contractor	Rodren	*Other Hole name*		*Data Origin*	GEO4-LENOVO
Drill Rig	2	*Cassing Pulled*	Unknown	*Data Date*	7/25/2013
Date Started	6/22/2013	*Cassing (m)*	51.82	*Data BY*	Geology
Date Finished	6/25/2013				
Logger	Maia Matarrese	*Log Date*	6/23/2013		
Target	Site: B752				
Hole Comments	80 feet PW, 90 feet HW, 70 feet waer.				
Collar survey Date	6/23/2013	*Survey By*	Maia Matarrese	*Method*	Trimble R8
Survey Notes					

Collar coordinates

Grid	Name	x	Y	z	Az	Dip
Original	UTM84-15N	549,110.34	5,693,909.67	391.41	0.00	-90.00
Preferred	UTM84-15N	549,110.34	5,693,909.67	391.41	0.00	
Local						
Lat Long						

Down-hole surveys

SurveyDHDesc	mDepth	Dip	AzOrig	AzLocal	AzPref	AzMag	MagField	Remarks
d - Gyro (readings taken u	50.00	-88.77	19.74		19.74			
yro (readings taken upwa	0.00	-89.61	3.34		3.34			
yro (readings taken upwa	10.00	-89.73	49.23		49.23			
yro (readings taken upwa	20.00	-89.33	48.19		48.19			
yro (readings taken upwa	30.00	-89.11	38.86		38.86			
yro (readings taken upwa	40.00	-89.17	21.69		21.69			
yro (readings taken upwa	60.00	-88.84	9.58		9.58			
yro (readings taken upwa	70.00	-88.51	11.54		11.54			
yro (readings taken upwa	80.00	-88.36	6.49		6.49			
yro (readings taken upwa	90.00	-88.53	1.07		1.07			
yro (readings taken upwa	100.00	-88.04	5.91		5.91			
yro (readings taken upwa	110.00	-87.69	358.96		358.96			
yro (readings taken upwa	120.00	-87.88	0.33		0.33			
yro (readings taken upwa	130.00	-87.66	0.82		0.82			
yro (readings taken upwa	140.00	-87.31	359.79		359.79			

Relating Certificates

LabCode	Status	CertName	CertDate	Between	and	SampleGen
SGS	QC-NR	RL1302044	7/6/2013	25.30	100.00	0
SGS	QC-NR	RL1302074	7/8/2013	100.00	152.00	0

Control Samples

SampleID	mFrom	mTo	SampleCode	SampleGen	Au_ppm	WtRecvd_kg	Au_CertName
88504	28.00	30.00	2-DUPF	0	0.00	3.30	RL1302044
88547	106.00	108.00	2-DUPF	0	0.02	4.00	RL1302074
88516	50.00	52.00	2-DUPL	0	0.08		RL1302044
88559	128.00	130.00	2-DUPL	0	1.79		RL1302074
88533	80.00	82.00	Blk-BL9	0	0.00	1.10	RL1302044
88572	150.00	152.00	Blk-BL9	0	0.01	1.10	RL1302074
88525	66.00	68.00	Std-5G-GS	0	4.51	0.10	RL1302044
88563	134.00	136.00	Std-6B-GS	0	2.08	8.30	RL1302074

Number of entries per table

Litho	Alt	Minz	Geotech	Struct	Vein	Photos	Scans
10	11	12	43	64	0	0	0

Project: SpringPole
Area: Not Recorded
Claim: 1184813

Gold Canyon
Program: 2013
Logger: Maia Matarrese

Hole name: SP13-208
Length (m): 152

Assays				Litho				
Depth (m)	SampleID	Au (ppm)	Ag (ppm)	Depth (m)	Lith1	Txtr2	Txtr2	Comments
25.30	No Data			25.30	WTR			Water
Certs= RL1302044								
26.00	88501	0.02	0.15	25.60	OBN			Granitic and sandy overburden.
28.00	88502	0.02	0.15	46.90	AND	FGN	MGN	25.3-46.9: Gray-green Andesite with moderate chlorite+sericite+/-biotite alteration. Fine to medium grained. Patches of tuffaceous andesite. Competent, occasional fracture zones ~1.5 to 3.0 m long. 1-2% fine grained disseminated pyrite. Patchy moderate to no carbonate dissolution when using 10% HCL acid. Moderate to strong magnetism with occasional patches 0.5m long showing no reaction to the magnet. Occasional weak to very weak void space. No visible veining. Weakly foliated. 37.0-40m: Pyrite increase to 5% fine grained disseminated. 47-55m: Dark-gray to black andestie dominated by tuffaceous textures ranging from fine to medium grained. Increased reaction to 10% HCL. Strongly magnetic. ~45 deg foliation. 40-55m: Pyrite increases to 5-10%.
30.00	88503	0.02	0.15					
32.00	88505	0.005	0.15					
34.00	88506	0.01	0.15					
36.00	88507	0.01	0.15					
38.00	88508	0.17	0.3					
40.00	88509	0.94	1					
42.00	88510	0.52	0.7					
44.00	88511	0.16	0.15					
46.00	88512	0.04	0.3					
48.60	88513	0.1	0.4	55.30	AND	MGN	FGN	Tuffaceous texture.
50.00	88514	0.03	0.15					
52.00	88515	0.06	0.15					
54.00	88517	0.14	0.15					
56.00	88518	0.1	0.15	65.00	AND	MGN	FGN	60-65m: medium-grained to fin-egrained, moderate green-gray andesite with moderate chlorite and weak sericite and trace biotite alteration. 1-5% fine-grained disseminated pyrite. Very weak foliation. Moderate jointing trending 35 +/- 5 degrees. Competent. Weak to no voids. Strong magnetism. Strong reaction to 10% HCl.
58.00	88519	0.03	0.15					
60.00	88520	0.05	0.15					
62.00	88521	0.02	0.15					
64.00	88522	0.005	0.15					
66.00	88523	0.01	0.15	69.90	AND	MGN	FGN	Tuffaceous Texture. Contact with tuff approximately 60 degrees, undulating 65-69.9m: tuffaceous medium-grained, medium black white andesite with moderate chlorite and weak to moderate sericite and trace biotite alteration. 1% very fine-grained disseminated pyrite. No foliation. Moderate fracturing at 20 +/- 5 degrees. Competent. WEak voids
68.00	88524	0.005	0.15					
70.00	88526	0.22	0.15					
72.00	88527	0.15	0.15					
74.00	88528	0.01	0.15					
76.00	88529	0.03	0.15					
78.00	88530	0.16	0.15					
80.00	88531	0.05	0.15					

Project: SpringPole
Area: Not Recorded
Claim: 1184813

Gold Canyon
Program: 2013
Logger: Maia Matarrese

Hole name: SP13-208
Length (m): 152

Assays				Litho				
Depth (m)	SampleID	Au (ppm)	Ag (ppm)	Depth (m)	Lith1	Txtr2	Txtr2	Comments
82.00	88532	0.06	0.15					
84.00	88534	0.13	0.15					
86.00	88535	0.03	0.15					
88.00	88536	0.02	0.15					
90.00	88537	0.02	0.15					
92.00	88538	0.02	0.15		AND	MGN	FGN	Andesite as described from 60-65m. Moderate foliation at 45 +/- 5 degrees 110.2m: epidote phases out of alteration
94.00	88539	0.03	0.15					
96.00	88540	0.02	0.15					
98.00	88541	0.005	0.15					
100.00	88542	0.005	0.15					
Certs= RL1302074								
102.00	88543	0.02	0.15					
104.00	88544	0.005	0.15					
106.00	88545	0.01	0.15					
108.00	88546	0.005	0.15					
110.00	88548	0.005	0.15					
112.00	88549	0.01	0.3	110.30				
114.40	88550	0.02	0.15	114.40	MSD	FGN	MGN	110.3-114.4m: light gray and black, fine-grained to medium-grained metasediment. Moderate chlorite + weak sericite + weak biotite alteration. Strong reaction to 10% HCl. No voids. Competent. Moderate jointing. 1-3% fine-grained disseminated pyrite. Strong magnetim.
116.00	88551	0.1	0.15					
118.00	88552	0.96	2.4					
119.70	88553	0.56	1.1	120.00	MSD	SCH	FGN	114.4-120.0m: Medium gray and black, fine-grained schistose metasediment with weak biotite and weak sericite alteration. Moderate foliatopn at 45 +/- 5 degrees. 5-10% fine-grained to medium-grained disseminated pyrite. Moderate carboante. Weak void space. Weak to no magnetism. Competent until 117.1m. Becomes sandy, increased void space. Increased pyrite 10-15% until 117.8m
122.00	88554	0.66	3.3					
124.00	88555	0.47	2.4					
126.00	88556	1.08	7.1					
128.00	88557	1.3	16.7					
130.00	88558	1.76	7.3					
132.00	88560	1.06	6.5					
134.00	88561	1.37	14.4					
136.00	88562	6.22	0.4		MSD	SCH	CBX	120-152m: medium gray and brown schistose and chaotic breccia, metasediment and metasediment conglomerate. Decreased reaction to HCL 10%. Weak to no voids. 5-15% disseminated pyrite. Occurs where remnant carbonate veinlets exist. competent. Moderate to strong jointing. Weakly foliated. Non-magnetic. Carbonate contact at 141.05m. Alpha appromiately 50 degrees. Between weak carbonate and no carbonate reaction to 10% HCL EOH at 152.0m.
138.00	88564	0.22	1					
140.00	88565	0.35	1.4					
142.00	88566	0.23	1.4					
144.00	88567	0.37	1					

Project: SpringPole
Area: Not Recorded
Claim: 1184813

Gold Canyon
Program: 2013
Logger: Maia Matarrese

Hole name: SP13-208
Length (m): 152

Assays				Litho				
Depth (m)	SampleID	Au (ppm)	Ag (ppm)	Depth (m)	Lith1	Txtr2	Txtr2	Comments
146.00	88568	1.02	4.1					
148.00	88569	0.91	16.8					
150.00	88570	0.3	3.9					
152.00	88571	0.89	7.5	152.00				

Project: SpringPole
Area: Not Recorded

Gold Canyon
Program: 2013
Logger: Maia Matarrese

Hole name: SP13-208
Length (m): 152

Mineralization

mFrom	mTo	Pyrite_Pct	Min1	Min1_Pct	Min2	Min2_Pct	Comments
25.30	36.00	3					
36.00	37.00	3					
37.00	38.00	7.5					
38.00	38.70	7.5					
38.70	42.20	7.5					
42.20	55.00	7.5					
55.00	65.00	3					
65.00	66.40	0.5					
66.40	67.90	0.5					
67.90	114.50	0.5					
114.50	115.20	7.5					
115.20	152.00	7.5					

Project: SpringPole
Area: Not Recorded

Gold Canyon
Program: 2013
Logger: Maia Matarrese

Hole name: SP13-208
Length (m): 152

Veins

mDepth	mWidth	Vein1	Vein1_AlphaAngle	Vein1_Min1	Vein1_Min2	Vein1_Min3	Comments

Project: SpringPole
Area: Not Recorded

Gold Canyon
Program: 2013
Logger: Maia Matarrese

Hole name: SP13-208
Length (m): 152

Alteration

mFrom	mTo	Alt1	Int	Alt2	Int	Alt3	Int	Alt4	Int	Comments
69.80	110.20	CHL	3	EPI	3	SER	2	BIO	1	
110.20	112.00	CHL	3	SER	2	BIO	1			
112.00	114.50	CHL	2	SER	2	BIO	2			
114.50	117.10	BIO	2	SER	2					
117.10	119.00	SER	3	BIO	3					
119.00	152.00	SER	2	BIO	1					

Project: SpringPole
Area: Not Recorded

Gold Canyon
Program: 2013
Logger: Maia Matarrese

Hole name: SP13-208
Length (m): 152

Color

mFrom	mTo	Color1	Int	Color2	Comments
25.30	46.90	GRN	MD	GRY	
46.90	48.40	GRY	DK	BLK	
48.40	59.00	GRY	DK	GRN	
59.00	65.00	GRY	DK	GRN	
65.00	69.90	BLK	MD	WHT	
69.90	80.00	GRN	MD	GRY	
80.00	107.30	GRY	MD	GRN	
107.30	110.30	GRN	MD	GRN	
110.30	114.40	GRY	LT	BLK	
114.40	120.00	GRY	MD	BLK	
120.00	152.00	GRY	MD	BRN	

Project: SpringPole
Area: Not Recorded

Gold Canyon
Program: 2013
Logger: Maia Matarrese

Hole name: SP13-208
Length (m): 152

Carbonate and Void Space

mFrom	mTo	Void_pctCod	Carb_IntCode	Comments
25.30	28.30	2	3	
28.30	30.30	0	3	
30.30	35.00	1	3	
35.00	36.70	1	2	
36.70	37.80	1	1	
37.80	39.00	0	1	
39.00	42.20	2	1	
42.20	43.30	0	2	
43.30	48.40	2	0	
48.40	56.00	0	3	
56.00	59.40	0	4	
59.40	61.00	1	4	
61.00	63.40	0	4	
63.40	68.30	0	2	
68.30	83.00	0	4	
83.00	86.00	0	3	
86.00	109.00	0	4	
109.00	112.50	0	1	
112.50	117.10	0	3	
117.10	122.60	1	3	
122.60	126.00	1	1	
126.00	128.00	1	2	
128.00	129.80	1	1	
129.80	130.00	1	3	
130.00	131.00	0	3	
131.00	134.00	0	1	
134.00	141.00	0	2	
141.00	145.00	0	0	
145.00	152.00	0	1	

Project: SpringPole | **Gold Canyon** | Hole name: SP13-208

Area: Not Recorded | Program: 2013 | Length (m): 152

Logger: Maia Matarrese

Geotech

mFrom	mTo	Recov_m	Recov_pct	RQD_m	RQD_pct	StrengthCo	Comments
25.30	26.00	0.7	100	0.43	61.4	7	
26.00	29.00	3	100	1.4	46.7	7	
29.00	32.00	3	100	2.8	93.3	7	
32.00	35.00	2.9	96.7	2.9	96.7	7	
35.00	38.00	3.1	103.3	2.12	70.7	7	
38.00	41.00	3	100	2.14	71.3	5	
41.00	44.00	3	100	1.74	58	5	
44.00	47.00	2.4	80	0.11	3.7	5	
47.00	50.00	2.9	96.7	0.75	25	7	
50.00	53.00	2.7	90	2.5	83.3	7	
53.00	56.00	3	100	1.5	50	7	
56.00	59.00	3	100	1.5	50	7	
59.00	62.00	3	100	1.7	56.7	7	
62.00	65.00	2.7	90	2.3	76.7	7	
65.00	68.00	2.8	93.3	2.2	73.3	7	
68.00	71.00	3	100	2.8	93.3	7	
71.00	74.00	2.8	93.3	2.8	93.3	7	
74.00	77.00	2.8	93.3	1.9	63.3	7	
77.00	80.00	3.1	103.3	2.8	93.3	7	
80.00	83.00	2.7	90	2.2	73.3	7	
83.00	86.00	3.1	103.3	2.8	93.3	7	
86.00	89.00	3	100	2.6	86.7	7	
89.00	92.00	3.1	103.3	2.6	86.7	7	
92.00	95.00	3.1	103.3	2.7	90	7	
95.00	98.00	2.9	96.7	2.8	93.3	7	
98.00	101.00	2.9	96.7	2.6	86.7	7	
101.00	104.00	3.1	103.3	2.5	83.3	7	
104.00	107.00	2.9	96.7	2.6	86.7	7	
107.00	110.00	3.1	103.3	2.6	86.7	7	
110.00	113.00	3	100	2.5	83.3	4	
113.00	116.00	3	100	2.2	73.3	7	
116.00	119.00	2.9	96.7	1	33.3	7	

Project: SpringPole

Gold Canyon

Hole name: SP13-208

Area: Not Recorded

Program: 2013

Length (m): 152

Logger: Maia Matarrese

Geotech

mFrom	mTo	Recov_m	Recov_pct	RQD_m	RQD_pct	StrengthCo	Comments
119.00	122.00	3	100	2.7	90	7	
122.00	125.00	3	100	2.5	83.3	7	
125.00	128.00	3	100	2.6	86.7	6	
128.00	131.00	3	100	2.2	73.3	6	
131.00	134.00	3	100	2.8	93.3	6	
134.00	137.00	3	100	2.2	73.3	6	
137.00	140.00	2.9	96.7	2	66.7	6	
140.00	143.00	3	100	2.2	73.3	6	
143.00	146.00	3.1	103.3	2.4	80	6	
146.00	149.00	3	100	1.9	63.3	6	
149.00	152.00	3	100	2.8	93.3	6	

Gold Canyon

Project	SpringPole	*Program*	2013	*Hole name*	**SP13-209**
Area	Not Recorded	*Hole Type*	Diamond Drill	*Length (m)*	200
Claim	nr			*Size*	HQ
Drill Contractor	Rodren	*Other Hole name*		*Data Origin*	GEO4-LENOVO
Drill Rig	2	*Cassing Pulled*	Unknown	*Data Date*	7/25/2013
Date Started	6/25/2013	*Cassing (m)*	124.97	*Data BY*	Geology
Date Finished	6/28/2013				
Logger	Maia Matarrese	*Log Date*	6/27/2013		
Target	Site: B651				
Hole Comments	175' PW, 235' HW, 82; Water.				
Collar survey Date	6/27/2013	*Survey By*	Maia Matarrese	*Method*	Trimble R8
Survey Notes					

Collar coordinates

Grid	Name	x	Y	z	Az	Dip
Original	UTM84-15N	549,172.78	5,693,822.32	391.53	0.00	-90.00
Preferred	UTM84-15N	549,172.78	5,693,822.32	391.53	0.00	
Local						
Lat Long						

Down-hole surveys

SurveyDHDesc	mDepth	Dip	AzOrig	AzLocal	AzPref	AzMag	MagField	Remarks
yro (readings taken upwa	0.00	-89.33	356.20		356.20			
yro (readings taken upwa	10.00	-89.59	355.11		355.11			
yro (readings taken upwa	20.00	-89.68	346.97		346.97			
yro (readings taken upwa	30.00	-89.63	343.80		343.80			
yro (readings taken upwa	40.00	-88.99	328.47		328.47			
yro (readings taken upwa	50.00	-87.94	309.74		309.74			
yro (readings taken upwa	60.00	-87.73	311.16		311.16			
yro (readings taken upwa	70.00	-87.66	315.87		315.87			
yro (readings taken upwa	80.00	-87.63	317.19		317.19			
yro (readings taken upwa	90.00	-87.59	316.05		316.05			
yro (readings taken upwa	100.00	-87.52	316.21		316.21			
yro (readings taken upwa	110.00	-87.58	314.99		314.99			
yro (readings taken upwa	120.00	-87.47	317.05		317.05			
yro (readings taken upwa	130.00	-87.33	318.06		318.06			
yro (readings taken upwa	140.00	-87.39	319.01		319.01			
yro (readings taken upwa	150.00	-87.30	318.56		318.56			
yro (readings taken upwa	160.00	-87.18	321.67		321.67			
yro (readings taken upwa	170.00	-87.06	319.91		319.91			
yro (readings taken upwa	180.00	-86.81	320.71		320.71			
yro (readings taken upwa	190.00	-86.57	322.23		322.23			

Relating Certificates

LabCode	Status	CertName	CertDate	Between	and	SampleGen
SGS	QC-NR	RL1302109	7/16/2013	48.70	127.00	0
SGS	QC-NR	RL1302123	7/14/2013	127.00	200.00	0

Control Samples

SampleID	mFrom	mTo	SampleCode	SampleGen	Au_ppm	WtRecvd_kg	Au_CertName
88588	78.00	80.40	2-DUPF	0	0.08	4.10	RL1302109
88602	101.00	103.00	2-DUPF	0	0.70	3.60	RL1302109
88642	173.00	175.00	2-DUPF	0	1.12	4.40	RL1302123

88596	92.00	94.00	2-DUPL	0	0.32		RL1302109
88615	125.00	127.00	2-DUPL	0	1.10		RL1302123
88638	167.00	169.00	Blk-BL9	0	0.00	1.20	RL1302123
88624	141.00	143.00	Std-1G-GS	0	1.24	0.10	RL1302123

Number of entries per table

Litho	Alt	Minz	Geotech	Struct	Vein	Photos	Scans
10	9	34	51	34	7	0	0

Project: SpringPole
Area: Not Recorded
Claim: nr

Gold Canyon
Program: 2013
Logger: Maia Matarrese

Hole name: SP13-209
Length (m): 200

Assays				Litho				
Depth (m)	SampleID	Au (ppm)	Ag (ppm)	Depth (m)	Lith1	Txtr2	Txtr2	Comments
48.70	No Data			48.70	No Data			
Certs= RL1302109								
52.00	88573	0.17	0.15					0-48.7m: Water and overburden.
54.00	88574	0.38	1.2					50-72.1m: Medium gray+brown aphanitic to medium grained metasediments with moderate biotite+weak sericite alteration. No reaction to 10%HCL acid; Moderate void space as vugs: 10-15% fine grained disseminated pyrite in matrix, as striations with biotite, and coarse grained pyrite in vugs. No reaction to magnet. Fine grained bedded sedimentary structures with intermittent zones of coarse grained, subangular conglomerate metasedisments. Grains are randomly oriented. Moderately jointed and fractured.
56.00	88575	0.61	2					
58.00	88576	0.16	0.15					
60.00	88577	0.55	0.6					
62.00	88578	0.14	1.1		MSD	APH	MGN	@68.0m: Increased rock hardness, decreased void space.
64.00	88579	0.08	0.4					@72.1m: Pyrite decreases to 5-10% but occurs as described between 48.7-72.1m.
66.00	88580	0.06	0.15					
67.80	88581	0.11	0.15					@72.7m: Weakly magnetic--> intermittent.72.1m: CT @45 deg alpha, undulating.
70.00	88582	1.14	2.4					
72.20	88583	0.44	1.1	72.10				72.1-80.4m: Medium gray+blue, medium grained tuffaceous metasediment conglomerate, moderately sheared@45 deg alpha. Subangular grains. Moderate biotite+weak sericite alteration. NO reaction to 10% HCL acid. Weak Void space. 25-10% fine grained tuffaceous texture; @77.9m: Patchy strong magnetism.
74.00	88584	0.34	0.5					@80.4m: CT @ ~50 degree alpha with lamprophyre dyke.
76.00	88585	0.47	0.15		MSD	MGN		
78.00	88586	0.16	0.7					80.4-81.9m: Dark black+white medium-fine grained lamprophyre dyke with moderate biotite+ moderate sericite alteration. No reaction to 10%HCL. Weak void space. 5-10% fine grained disseminated pyrite. Non-magnetic. Strong fracture. Strong foliations. Light + dark banding @ 45 degree alpha; foliations have microstructures- crenulations close to apex.
80.40	88587	0.09	0.15	80.40				
81.90	88589	0.03	0.15					82.0-88.8m: Medium gray+brown coarse grained+medium grained chaotic brecciated metasediment conglomerate with moderate sericite+weak biotite alteration. No reaction to 120% HCL, weak voids, 5-10% fine grained disseminated pyrite, Patchy weak magnetism Competent. Moderately jointed. Intermittent fracture zones 0.3m wide.
84.00	88590	0.24	0.15					
86.00	88591	0.21	0.4		MSC	CGN	MGN	@86.8m: 1 cm quartz vein with 50 degree alpha.
88.00	88592	0.19	0.5					
90.00	88593	0.27	0.6	88.80				@88.8m: galena blebs occur in quartz vug.
92.00	88594	0.16	0.15					@97.3m: 90 degree vuggy zone with fine-medium grained cubic galena. Blebs of chalcopyrite. 88.8-113.2m: No definitive contact. Medium gray+brown subangular medium grained chaotic breccia. Volcanic Breccia with moderate potassic+biotite alteration. K-spar flooding...Clasts have trachytic texture. No reaction to 10%HCL acid. Weak void space. 5-10% fine grained disseminated pyrite in groundmass. Non-magnetic from 88.8-92.3m./ Moderately magnetic. Weakly jointed. Extremely competent.
94.00	88595	0.48	0.15					
96.00	88597	1.73	0.15					
97.10	88598	2.88	0.3					@89.0m: 1 cm wide quartz vein with 25 degree alpha.
99.00	88599	2	1.4					@90.1m: 1 cm wide quartz vein with 25 degree alpha.
101.00	88600	4.75	1.7		VBX	CGN	CBX	92.3-100.0m: Patchy magnetism.
103.00	88601	0.72	0.15					
105.00	88603	0.44	0.15					@93.0m: 1.5cm wide lithic vein with 45 degree alpha. Limb offset 0.05cm.
107.00	88604	0.46	0.5					99.0-99.4m: Broken quartz vein with coarse grained cubic pyrite. Unknown alpha. 0.4m wide.
109.00	88605	0.41	0.15					
111.00	88606	0.23	0.15					100.00-122.8m: Strong magnetism.

Project: SpringPole
Area: Not Recorded
Claim: nr

Gold Canyon
Program: 2013
Logger: Maia Matarrese

Hole name: SP13-209
Length (m): 200

Assays				Litho				
Depth (m)	SampleID	Au (ppm)	Ag (ppm)	Depth (m)	Lith1	Txtr2	Txtr2	Comments
113.00	88607	0.12	0.4	113.20				102.2-115.3m: Weak reaction to 10% HCL.
115.00	88608	0.04	0.4	118.20	IND	MGN		tuffaceous; 113.2-118.2m:L Light white+gray medium grained tuffaceous indeterminate core with weak to moderate sericite alteration. Weak reaction to 10%HCL acid. Weak voids. Weak magnetism. <1%fgn dis py. 45 degree alpha foliations. elongated grains subparallel orientation. No veins. Competent. Weakly jointed. Weak fractures.
117.00	88609	0.03	0.15	121.00	IND	FGN		tuffaceous: 118.2-121.0m: Light white +ray, aphanitic to fine grained tuffaceous indeterminate w/weak sericite alteration, moderate reaction to 10%HCL. No voids. Strong reaction to magnet. NO foliation. <1% fgn dis py. Mod fracture. Comp. No vn.
118.30	88610	0.03	0.3	150.80	TRA	FGN	APH	121.0-150.8m: Medium gray+white aphanitic to fine grained trachyte with weak sericite+very weak argillic alteration. Intermittent weak reaction to HCL. Zones of reaction ~ 7-10m. Moderate voids as vugs. Intermittent mod to strong magnetism--> patchy. Moderately fractured and moderately jointed competent rock. No veins. Trace to 5% fgn dis py often observed in vugs or as striations in groundmass. 120.5-123.8m: No reaction to 10%HCL. Moderate void space. 123.8-131.5m: Weak reaction to 10% HCL. Moderate void space. 122-129m: 1-5% fgn dis py. @129.1m: alteration becomes moderately sercite and weakly argillic. 129-151.2m: 5-10 fgn dis py. 131.5-145.0m: No reaction to 10% HCL, moderate void space. **Moderate to strong patch magnetism up to 138.0m. 144-155.0m: Moderately magnetic. 145-152.0m: Weak reaction 10% HCL moderate void space.
121.00	88611	0.07	0.15	159.50	VBX	MGN		tuffaceous: 150.8-159.5m: Light gray+brown medium subangular grains tuffaceous polymictic volcanic breccia with rhyolitic clasts. Moderate+Sericite alteration. Weak argillic alteration. Weak reaction to 10%HCL. 1-5% fgn dis py. Patchy moderate magnetism. comp. Weakly jointed. Grains subparallel @ 40 degree alpha foliation. @159.4m: alteration becomes very weak and loss of argillic assemblage.
123.00	88612	0.49	0.15					
125.00	88613	1.29	2.7					
127.00	88614	1.21	1.5					
Certs= RL1302123								
129.00	88616	0.22	0.15					
131.00	88617	1.11	1.2					
133.00	88618	0.74	0.7					
135.00	88619	0.32	0.15					
137.00	88620	0.09	0.15					
139.00	88621	0.23	0.15					
141.00	88622	0.6	0.15					
143.00	88623	0.23	0.4					
145.00	88625	1.47	2.9					
147.00	88626	0.5	0.4					
149.00	88627	0.34	0.15					
150.80	88628	0.77	0.15					
153.00	88629	0.09	0.15					
155.00	88630	0.24	0.15					
157.00	88631	0.4	1.3					
159.60	88632	0.98	4.2					
161.00	88633	0.6	1.6					
163.00	88634	0.31	0.6					
165.00	88635	0.28	1					
167.00	88636	0.24	0.15					
169.00	88637	0.09	0.15					
171.00	88639	0.09	0.15					
173.00	88640	0.84	2.2					
								159.5-191.5m: Trachyte as described between 121.0+151.2m. The following differences occur: very weak sericite alteration, weak reaction to 10% HCL, very weak void space, 1-5% fgn dis py, patchy strong-mod mag. Competent, weakly jointed, relatively unaltered. 167.8-167.9m: Banded purple fluorite in foliations 45 degree alpha. 171.5-171.6m: Banded purple fluorite with an alpha degree of 45. 173.0-175.0m: Very weak reaction to 10% HCL, moderate void space.

Project: SpringPole
Area: Not Recorded
Claim: nr

Gold Canyon
Program: 2013
Logger: Maia Matarrese

Hole name: SP13-209
Length (m): 200

Assays				Litho				
Depth (m)	SampleID	Au (ppm)	Ag (ppm)	Depth (m)	Lith1	Txtr2	Txtr2	Comments
175.00	88641	1.23	1.4		TRA	FGN	APH	173.0-175.0m: Very weak reaction to 10% HCL, moderate void space.
177.00	88643	0.03	0.15					175-177m: Moderate reaction to 10% HCL, very weak void space.
179.00	88644	0.005	0.15					177-192.7m: Very weak reaction to 10% HCL and very weak void space.
181.00	88645	0.07	0.15					
183.00	88646	0.02	0.15					@179.0m: Alteration becomes weak sericite+weak biotite.
185.00	88647	0.12	0.15					174.7-200.0m: Moderately magnetic.
187.00	88648	0.03	0.15					
189.00	88649	0.06	0.15					
191.50	88650	0.07	0.15	191.50				
193.00	88651	0.44	0.15		MSD	SCH	FGN	191.5-200.0: Medium gray+brown fine grained schistose metaseds with weak sericite+biotite alteration. 1-5% fgn dis py. Competent. Moderately jointed and intermittent rubble zones ~0.3m long/. Moderately magnetic. Very weak reaction to 10%HCL and moderate void space ~5.5m long.
195.00	88652	1.1	0.7					
197.00	88653	0.97	0.15					
199.00	88654	0.62	0.4					192.7-198.0m: Very weak reaction to 10% HCL and ver weak void space.
200.00	88655	0.25	0.15	200.00				200.0m: End of hole.

Project: SpringPole
Area: Not Recorded

Gold Canyon
Program: 2013
Logger: Maia Matarrese

Hole name: SP13-209
Length (m): 200

Mineralization

mFrom	mTo	Pyrite_Pct	Min1	Min1_Pct	Min2	Min2_Pct	Comments
48.70	71.00	12.5					
71.00	72.70	7.5					
72.70	75.00	7.5					
75.00	77.90	7.5					
77.90	80.40	7.5					
80.40	82.00	7.5					
82.00	84.40	7.5					
84.40	88.80	7.5					
88.80	90.90	7.5	GAL	0.5	CHP	0.5	
90.90	92.30	7.5					
92.30	97.30	7.5					
97.30	97.35	7.5	GAL	0.5	CHP	0.5	
97.35	100.00	7.5					
100.00	113.20	3					
113.20	122.00	0.5					
122.00	122.80	3					
122.80	126.00	3					
126.00	129.10	3					
129.10	138.00	7.5					
138.00	144.00	7.5					
144.00	151.20	7.5					
151.20	155.00	3					
155.00	157.00	3					
157.00	158.50	3					
158.50	164.50	3					
164.50	167.80	3					
167.80	168.10	3	FLU	0.5			
168.10	168.40	3					
168.40	170.00	3					
170.00	171.30	3					
171.30	171.50	3					
171.50	171.80	3	FLU	0.5			
171.80	174.70	3					
174.70	200.00	3					

Project: SpringPole
Area: Not Recorded

Gold Canyon
Program: 2013
Logger: Maia Matarrese

Hole name: SP13-209
Length (m): 200

Veins

mDepth	mWidth	Vein1	Vein1_AlphaAngle	Vein1_Min1	Vein1_Min2	Vein1_Min3	Comments
82.00	82.04	QTZ	30	Q	P	B	Quartz vein with K-spar granitic vein margins; 0.5-2cm banded bio+py vein halo.
82.40	82.42	QTZ	30	Q	P	B	Quartz vein.
86.80	86.81	QTZ	50	Q			Quartz vein.
89.00	89.01	QTZ	25	Q			Quartz vein.
90.10	90.11	QTZ	30	Q			Quartz vein.
93.00	93.15		45				Lithic vein with with limb offset 0.05cm
99.00	99.40	QTZ		Q	P		Broken quartz vein with coarse pyrite, unknown alpha angle.

Project: SpringPole
Area: Not Recorded

Gold Canyon
Program: 2013
Logger: Maia Matarrese

Hole name: SP13-209
Length (m): 200

Alteration

mFrom	mTo	Alt1	Int	Alt2	Int	Alt3	Int	Alt4	Int	Comments
48.70	81.90	BIO	3	SER	2					
81.90	88.80	SER	3	BIO	2					
88.80	109.40	POT	3	BIO	2					
109.40	120.00	SER	2							
120.00	129.10	SER	2	ARG	1					
129.10	159.40	SER	2	ARG	2					
159.40	174.80	SER	1							
174.80	179.00	BIO	2	SER	2					
179.00	200.00	SER	2	BIO	2					

Project: SpringPole
Area: Not Recorded

Gold Canyon
Program: 2013
Logger: Maia Matarrese

Hole name: SP13-209
Length (m): 200

Color

mFrom	mTo	Color1	Int	Color2	Comments
48.70	72.10	GRY	MD	BRN	
72.10	80.40	GRY	MD	BLU	
80.40	81.90	BLK	DK	WHT	
81.90	113.20	GRY	MD	BRN	
113.20	121.00	WHT	LT	GRY	
121.00	150.80	GRY	MD	WHT	
150.80	159.50	GRY	LT	BRN	
159.50	191.50	GRY	MD	WHT	
191.50	200.00	GRY	MD	BRN	

Project: SpringPole
Area: Not Recorded

Gold Canyon
Program: 2013
Logger: Maia Matarrese

Hole name: SP13-209
Length (m): 200

Carbonate and Void Space

mFrom	mTo	Void_pctCod	Carb_IntCode	Comments
48.70	68.00	3	0	All carbonate was measured using 10% HCL acid.
68.00	86.00	2	0	
86.00	87.80	2	1	
87.80	102.20	2	0	
102.20	111.00	2	1	
111.00	115.30	1	1	
115.30	120.50	0	3	
120.50	123.80	3	0	
123.80	131.50	3	2	
131.50	145.00	3	0	
145.00	152.00	3	1	
152.00	173.00	1	2	
173.00	175.00	1	3	
175.00	177.00	3	1	
177.00	192.70	1	1	
192.70	198.00	3	1	
198.00	200.00	1	1	

Project: SpringPole
Area: Not Recorded

Gold Canyon
Program: 2013
Logger: Maia Matarrese

Hole name: SP13-209
Length (m): 200

Geotech

mFrom	mTo	Recov_m	Recov_pct	RQD_m	RQD_pct	StrengthCo	Comments
47.30	50.00	0.3	11.1	0	0	7	
50.00	53.00	1.2	40	0	0	7	
53.00	56.00	2.8	93.3	2.1	70	7	
56.00	59.00	2.4	80	0.7	23.3	7	
59.00	62.00	2.8	93.3	2.2	73.3	7	
62.00	65.00	3	100	1.5	50	7	
65.00	68.00	2.9	96.7	0.8	26.7	7	
68.00	71.00	2.3	76.7	1.5	50	7	
71.00	74.00	2.8	93.3	1.5	50	8	
74.00	77.00	2.8	93.3	1.5	50	8	
77.00	80.00	2.7	90	1.8	60	8	
80.00	83.00	2.5	83.3	1.4	46.7	8	
83.00	86.00	2.8	93.3	1.9	63.3	8	
86.00	89.00	2.7	90	1.6	53.3	8	
89.00	92.00	2.9	96.7	2.3	76.7	8	
92.00	95.00	2.7	90	2.5	83.3	8	
95.00	98.00	3.1	103.3	1.7	56.7	8	
98.00	101.00	3.1	103.3	1.6	53.3	8	
101.00	104.00	3	100	2	66.7	8	
104.00	107.00	2.7	90	1.7	56.7	8	
107.00	110.00	2.9	96.7	2.6	86.7	8	
110.00	113.00	3	100	1.9	63.3	8	
113.00	116.00	3.1	103.3	1.9	63.3	8	
116.00	119.00	2.7	90	1.8	60	6	
119.00	122.00	2.9	96.7	1.9	63.3	7	
122.00	125.00	3	100	1.7	56.7	8	
125.00	128.00	3	100	1.2	40	8	
128.00	131.00	3	100	1.6	53.3	8	
131.00	134.00	3	100	1.2	40	7	
134.00	137.00	2.9	96.7	1.1	36.7	7	
137.00	140.00	3	100	0.1	3.3	7	
140.00	143.00	3	100	0.6	20	6	
143.00	146.00	3.1	103.3	1	33.3	6	

Project: SpringPole
Area: Not Recorded

Gold Canyon
Program: 2013
Logger: Maia Matarrese

Hole name: SP13-209
Length (m): 200

Geotech

mFrom	mTo	Recov_m	Recov_pct	RQD_m	RQD_pct	StrengthCo	Comments
146.00	149.00	1.9	63.3	1	33.3	6	
149.00	152.00	3	100	1.5	50	6	
152.00	155.00	3	100	1.8	60	7	
155.00	158.00	3	100	2.8	93.3	7	
158.00	161.00	3	100	2.8	93.3	7	
161.00	164.00	3	100	2.9	96.7	7	
164.00	167.00	2.9	96.7	2.9	96.7	7	
167.00	170.00	3	100	3	100	7	
170.00	173.00	3	100	2.5	83.3	7	
173.00	176.00	3	100	2.3	76.7	7	
176.00	179.00	2.9	96.7	2.7	90	7	
179.00	182.00	3	100	2.8	93.3	7	
182.00	185.00	3	100	1.5	50	7	
185.00	188.00	2.8	93.3	1.6	53.3	7	
188.00	191.00	2.8	93.3	1.3	43.3	7	
191.00	194.00	2.8	93.3	2.4	80	7	
194.00	197.00	3	100	2.5	83.3	7	
197.00	200.00	2.5	83.3	1.9	63.3	7	

Gold Canyon

Project	SpringPole	*Program*	2013	*Hole name*	**SP13-210**
Area	Not Recorded	*Hole Type*	Diamond Drill	*Length (m)*	200
Claim	nr			*Size*	HQ
Drill Contractor	Rodren	*Other Hole name*		*Data Origin*	GEO4-LENOVO
Drill Rig	1	*Cassing Pulled*	Unknown	*Data Date*	7/25/2013
Date Started	6/26/2013	*Cassing (m)*	100.58	*Data BY*	Geology
Date Finished	6/29/2013				
Logger	Stacey Ng	*Log Date*	6/27/2013		
Target	Site: B401A				
Hole Comments	115' PW, 215' HW				
Collar survey Date	6/27/2013	*Survey By*	Maia Matarrese	*Method*	Trimble R8
Survey Notes					

Collar coordinates

Grid	Name	x	Y	z	Az	Dip
Original	UTM84-15N	549,364.12	5,693,659.30	391.18	0.00	-90.00
Preferred	UTM84-15N	549,364.12	5,693,659.30	391.18	0.00	
Local						
Lat Long						

Down-hole surveys

SurveyDHDesc	mDepth	Dip	AzOrig	AzLocal	AzPref	AzMag	MagField	Remarks
yro (readings taken upwa	0.00	-89.04	258.62		258.62			
yro (readings taken upwa	10.00	-89.56	232.06		232.06			
yro (readings taken upwa	20.00	-89.63	226.32		226.32			
yro (readings taken upwa	30.00	-89.54	213.94		213.94			
yro (readings taken upwa	40.00	-89.60	232.26		232.26			
yro (readings taken upwa	50.00	-88.50	185.81		185.81			
yro (readings taken upwa	60.00	-89.22	171.51		171.51			
yro (readings taken upwa	70.00	-89.65	153.87		153.87			
yro (readings taken upwa	80.00	-89.52	132.01		132.01			
yro (readings taken upwa	90.00	-89.32	103.83		103.83			
yro (readings taken upwa	100.00	-89.13	97.96		97.96			
yro (readings taken upwa	110.00	-89.05	97.49		97.49			
yro (readings taken upwa	120.00	-89.05	105.10		105.10			
yro (readings taken upwa	130.00	-89.13	110.57		110.57			
yro (readings taken upwa	140.00	-89.07	100.65		100.65			
yro (readings taken upwa	150.00	-88.97	104.41		104.41			
yro (readings taken upwa	160.00	-88.89	103.11		103.11			
yro (readings taken upwa	170.00	-88.92	101.67		101.67			
yro (readings taken upwa	180.00	-88.95	95.42		95.42			
yro (readings taken upwa	190.00	-88.56	84.92		84.92			

Relating Certificates

LabCode	Status	CertName	CertDate	Between	and	SampleGen
SGS	QC-NR	RL1302108	7/14/2013	66.10	200.00	0

Control Samples

SampleID	mFrom	mTo	SampleCode	SampleGen	Au_ppm	WtRecvd_kg	Au_CertName
88421	137.00	139.00	2-DUPF	0	0.17	3.80	RL1302108
88441	173.00	175.00	2-DUPF	0	0.29	3.00	RL1302108
88389	79.00	81.00	2-DUPL	0	0.00		RL1302108
88406	111.00	113.00	2-DUPL	0	0.21		RL1302108

88412	121.00	123.00	Blk-BL9	0	0.00	1.20	RL1302108
88454	198.00	200.00	Blk-BL9	0	0.00	1.20	RL1302108
88437	167.00	169.00	Std-1G-GS	0	1.13	0.10	RL1302108
88382	68.00	70.00	Std-6B-GS	0	6.49	0.09	RL1302108

Number of entries per table

Litho	Alt	Minz	Geotech	Struct	Vein	Photos	Scans
11	9	15	44	43	0	0	0

Project: SpringPole
Area: Not Recorded
Claim: nr

Gold Canyon
Program: 2013
Logger: Stacey Ng

Hole name: SP13-210
Length (m): 200

Assays				Litho				
Depth (m)	SampleID	Au (ppm)	Ag (ppm)	Depth (m)	Lith1	Txtr2	Txtr2	Comments
66.10	No Data			66.00	No Data			
Certs= RL1302108								
68.00	88380	0.05	0.15					
70.00	88381	0.05	0.15		AND	MGN	FGN	and is consistently present throughout. Intermittent, moderate chlorite alteration. Argillic and sericite alteration is fairly pervasive. Rock is very soft, some partially decomposed zones. 1-5% very fine-grained pyrite finely disseminated throughout. No carbonate reaction.
72.00	88383	0.04	0.15					72.8m: relict pyrite vein? >15% very fine-grained to fine-grained anhedral to subhedral pyrite on fracture surface-coating
73.50	88384	0.005	0.15	73.50				
75.00	88385	0.08	0.15					
77.00	88386	0.04	0.15					
79.00	88387	0.005	0.15					
81.00	88388	0.005	0.15					
83.00	88390	0.005	0.15					
85.00	88391	0.02	0.15					73.5m: gradual transition to trachyte? or continuation of andesite? Core becomes slightly more competent and lacks chlorite alteration.
87.00	88392	0.35	0.15					Weak void space where vein dissolution has occurred. Still strongly magnetic. While grains/specks could be relict/crushed feldspars.
89.00	88393	0.81	0.15					Intermittent shearing still at 30 degrees. Moderate argillic and sericite alteration. Weak biotite is introduced. Fine-grained, anhedral black specks randomly dispersed throughout matrix (magnetite?). Appears to be more visible in shear zones. Some zones within the interval are
91.00	88394	0.48	0.4		TRA	MGN	FGN	more altered than others.
93.00	88395	0.14	0.15					86.5-86.6m: 0.1m interval where white grains seem to take on a more feldspar shape. Subhedral white and beige, 3-5mm grains. Interval is also slightly more sericite altered-more green in color.
95.00	88396	0.39	0.15					
97.00	88397	0.15	0.15					87m: very weak introduction of carbonate reaction to 10% HCl only in vugs of relict and dissolutioned carboante veins.
99.00	88398	0.11	0.15					95-105.8m: slightly less argillization
101.00	88399	0.08	0.15					
103.00	88400	0.2	0.6					
105.00	88401	1.79	1.8					
107.00	88402	1.41	0.9	105.80				
109.00	88403	0.43	0.9					
111.00	88404	0.13	0.15		TRA	FGN	DEC	105.8-112.1m: partially decomposed, fine-grained trachyte. Partial decomposition due to varying intensities of argillic and biotite alterations. Some intervals have completely turned into a clay. Otherwise, core is fairly soft and friable. Still strongly magnetic, very weak carbonate, weak void space and 1-5% finly disseminated pyrite. Darker zones are where alteration intensities are stronger. Void space where partial dissolution has occurred.
113.00	88405	0.19	0.8	112.10				
115.00	88407	0.12	0.15		TRA	FGN		
117.00	88408	0.52	2	117.00				
119.00	88409	0.34	0.6	119.00	TRA	FGN	DEC	
121.00	88410	0.21	1.1					Gradual change at approximately 119m to volcanic breccia. Chaotic volcanic breccia that is partially decomposed. First visibler appearance of a breccia clast is at 119.8m
123.00	88411	0.25	2					119.8m: breccia clast of feldspar porphyry contains feldspars that are medium-grained to coarse-grained in size, subhedral to euhedral, white, some exhibit zoning with gray cores. Matrix of clast is more sericite altered (intensity=4) giving it a slight green tint
125.00	88413	0.27	1.9					119-137m: strong argillic, sericite and biotite alterations make the core fairly incompetent and partially decomposed. Feldspar porphyry
127.00	88414	0.26	1.6					breccia clasts are rare (approximately 1 per 3m). Among the breccia clasts are other indeterminate volcanics that are more visible at

Project: SpringPole
Area: Not Recorded
Claim: nr

Gold Canyon
Program: 2013
Logger: Stacey Ng

Hole name: SP13-210
Length (m): 200

Assays				Litho				
Depth (m)	SampleID	Au (ppm)	Ag (ppm)	Depth (m)	Lith1	Txtr2	Txtr2	Comments
129.00	88415	0.28	1.2		VBX	MGN	DEC	125m. Decomposed core is sandy and very friable. Very fine-grained pyrite finely disseminated at 5-7%. Distinct decrease in magnetism from trachyte above. 120.8m: fractured smoky quartz vein partially rimmed by pyrite. No carbonate present. Small amounts <5% biotite is also present within and rimming the vein. 125-139.2m: volcanic clasts are irregularly shaped and are generally beige, olive and gray in color. Rounded, cobble-sized. Where there are no clasts, there are fine-grained, white, anhedral specks/grains, similar to those in the trachyte that could be relict/crushed feldspars. 120m: slight increase in pyrite percentage in volcanic breccia. Generally 5-7%. Less pyrite visible in trachyte
131.00	88416	0.22	0.8					
133.00	88417	0.38	3.1					
135.00	88418	0.74	3.1					
137.00	88419	0.37	1.3	137.00				
139.00	88420	0.18	0.15		VBX	MGN	CBX	138.8m: core develops a very weak carbonate reaction only in vugs of partially dissolved carbonate veinlets 138.4-138.8m: competent, strongly magnetic interval->possible dike? with fine-grained, anhedral, black grains->magnetite? Core has a tuffaceous texture. 139.5m: core becomes strongly magnetic with some non-magnetic intervals where brecciation is more apparent
141.00	88422	0.04	0.15					
143.00	88423	0.22	0.5	143.00				
145.00	88424	0.1	0.3		TRA	FGN	MGN	143m: gradual transition from volcanic breccia to trachyte? Breccia clasts of volcanics and feldspar porphyry are no longer present. Medium-grained to fine-grained, white, anhedral feldspar specks become more abundantly dispersed throughout the matrix, similar to the travhyte from above. Pyrite is still generally 5-7%. Occasionally concentrated in areas of relict carboante veins. Otherwise, finely disseminated throughout the matrix. 148.7-150m: sandu, pink material on fracture surfaces->pink calcite? in thin bands. Mixed among a slightly higher percentage of very fine-grained pyrite. Pink grains are somewhat transluscent. Reacts to 10% HCl. 158-162m: trachyte exhibits moderate shearing at 20 degrees. 157m: gradual and minor decrease in pyrite to 1-5%. Very fine-grained and finely disseminated throughout 160-167m: very weak carbonate reaciton by veinlets or in vugs of partially dissolutioned veins/veinelts 166-172m: slightly hihgher concentrations of pyrite where carbonate veining (or relict veining) is located finely disseminated within carbonate. Few medium-grained, subhedral pyrite grains randomly dispersed in vugs. 169.6m: dark red patches in strongly magnetic core on fracture surface (argillized) -> jasper?
147.00	88425	0.11	0.15					
149.00	88426	0.45	0.3					
151.00	88427	0.37	0.4					
153.00	88428	0.05	0.15					
155.00	88429	0.18	0.15					
157.00	88430	0.15	0.15					
159.00	88431	0.96	1.1					
161.00	88432	0.58	1					
163.00	88433	0.56	1.1					
165.00	88434	0.5	0.6					
167.00	88435	0.66	0.8					
169.00	88436	1.13	1.9					
171.00	88438	0.29	1.5					
173.00	88439	0.31	0.6	171.10				
				171.70	LAM	DEC		171.1-171.7m: lamprophyre dyke? Black, strongly argillized and biotite altered, friable and crumbly. Distinct drop in magnetism from surrounding core.
175.00	88440	0.38	1.2		TRA	MGN	DEC	171.7-180m: gradual decrease in magnetism downhole 173.2-173.3m: partial coating of pink, fine-grained, anhedral, sandy material on fracture surfaces (possible relict veins of pink calcite?) 171.7-200m: fine-grained to medium-grained trachyte constantly weaves in and out of competent core and being partially to almost decomposed. Fine-grained to medium-grianed, white, anhedral specks areo only visible in competent core. Decomposed zones (approximately 75% of interval) are very strongly argillized -> cohesive clay, easily broken 180-200m: variable magnetism throughout the interval but fairly strong. Few zones where magnetism takes a sharp drop but otherwise varies between moderate and strong. Very weak and rare carboante reaction in white and occasionally pink carbonate veinlets. 182m: slight increase in pyrite concentration, generally around 5-7%-very finely disseminated 180-200m: core continues to alternate between decomposed clay zones and slightly more competent intervals where medium-grained, white, anhedral specks (feldspars?) are randomly distributed throughout the matrix. Weak void space determined by what is visible in competent core, otherwise core is a cohesive clay (majority, approximately 75-80%)
177.00	88442	1.01	1.3					
179.00	88443	0.61	0.7					
181.00	88444	1.34	3.2					
184.00	88445	1.22	2					
186.00	88446	0.97	2.2					
188.00	88447	2.27	8.3					
190.00	88448	2.05	9.5					
192.00	88449	1.47	5.2					

Project: SpringPole
Area: Not Recorded
Claim: nr

Gold Canyon
Program: 2013
Logger: Stacey Ng

Hole name: SP13-210
Length (m): 200

Assays				Litho				
Depth (m)	SampleID	Au (ppm)	Ag (ppm)	Depth (m)	Lith1	Txtr2	Txtr2	Comments
194.00	88450	1.82	5.6					195-200m: looks like lithology may gradually change back to volcanic breccia but difficult to determine since core is so decomposed
196.00	88451	1.72	12.1					Appears that magnetism tends to drop in competent core where there may be some brecciation.
198.00	88452	2.72	6.9					End of hole at 200m
200.00	88453	2.04	6.5	200.00				

Project: SpringPole
Area: Not Recorded

Gold Canyon
Program: 2013
Logger: Stacey Ng

Hole name: SP13-210
Length (m): 200

Mineralization

mFrom	mTo	Pyrite_Pct	Min1	Min1_Pct	Min2	Min2_Pct	Comments
66.10	119.00	3					
119.00	120.00	3					
120.00	138.40	7.5					
138.40	138.80	0.5					
138.80	139.50	7.5					
139.50	155.00	7.5					
155.00	171.10	3					
171.10	171.70	3					
171.70	180.00	3					
180.00	182.00	3					
182.00	184.00	7.5					
184.00	194.00	7.5					
194.00	197.00	7.5					
197.00	199.00	7.5					
199.00	200.00	7.5					

Project: SpringPole
Area: Not Recorded

Gold Canyon
Program: 2013
Logger: Stacey Ng

Hole name: SP13-210
Length (m): 200

Veins

mDepth	mWidth	Vein1	Vein1_AlphaAngle	Vein1_Min1	Vein1_Min2	Vein1_Min3	Comments

Project: SpringPole
Area: Not Recorded

Gold Canyon
Program: 2013
Logger: Stacey Ng

Hole name: SP13-210
Length (m): 200

Alteration

mFrom	mTo	Alt1	Int	Alt2	Int	Alt3	Int	Alt4	Int	Comments
66.10	73.50	ARG	4	SER	3	CHL	3			
73.50	95.00	ARG	3	SER	3	BIO	2			
95.00	105.80	SER	3	ARG	2	BIO	2			
105.80	112.10	ARG	4	SER	3	BIO	3			
112.10	117.00	SER	3	ARG	2	BIO	2			
117.00	137.00	ARG	4	SER	4	BIO	4			
137.00	170.00	SER	3	BIO	3	ARG	2			
170.00	180.00	ARG	4	SER	3	BIO	2			
180.00	200.00	ARG	4	BIO	4	SER	3			

Project: SpringPole
Area: Not Recorded

Gold Canyon
Program: 2013
Logger: Stacey Ng

Hole name: SP13-210
Length (m): 200

Color

mFrom	mTo	Color1	Int	Color2	Comments
66.10	73.50	GRY	MD	GRN	
73.50	108.00	GRY	MD		
108.00	112.10	GRY	DK		
112.10	117.00	GRY	MD		
117.00	119.00	GRY	DK		
119.00	137.00	GRY	DK	BLK	
137.00	164.00	GRY	MD		
164.00	171.10	GRY	DK		
171.10	171.70	BLK			
171.70	182.00	GRY	MD		
182.00	184.00	GRY	MD	BRN	
184.00	186.00	GRY	MD		
186.00	200.00	GRY	DK	BLK	

Project: SpringPole
Area: Not Recorded

Gold Canyon
Program: 2013
Logger: Stacey Ng

Hole name: SP13-210
Length (m): 200

Carbonate and Void Space

mFrom	mTo	Void_pctCod	Carb_IntCode	Comments
66.10	71.00	2	0	
71.00	74.00	1	0	
74.00	87.00	2	0	
87.00	115.00	2	1	
115.00	138.40	2	0	
138.40	138.80	0	0	
138.80	157.00	1	1	
157.00	165.00	2	1	
165.00	167.00	1	1	
167.00	171.00	1	0	
171.00	173.00	0	0	
173.00	174.00	0	1	
174.00	180.00	0	0	
180.00	182.00	0	1	
182.00	200.00	1	1	

Project: SpringPole
Area: Not Recorded

Gold Canyon
Program: 2013
Logger: Stacey Ng

Hole name: SP13-210
Length (m): 200

Geotech

mFrom	mTo	Recov_m	Recov_pct	RQD_m	RQD_pct	StrengthCo	Comments
68.00	71.00	2.1	70	0	0	1	clay, change at 70m to strength=6
71.00	74.00	2.6	86.7	0.5	16.7	6	change at 72m to strength=4
74.00	77.00	3	100	1.3	43.3	5	
77.00	80.00	3	100	1.6	53.3	5	
80.00	83.00	2.8	93.3	1.8	60	5	
83.00	86.00	3.1	103.3	1.6	53.3	5	
86.00	89.00	3.1	103.3	1.6	53.3	5	
89.00	92.00	3	100	1.7	56.7	5	
92.00	95.00	3.1	103.3	0.8	26.7	5	
95.00	98.00	3	100	0.5	16.7	5	
98.00	101.00	3	100	0.4	13.3	5	
101.00	104.00	3	100	0.3	10	5	
104.00	107.00	2.2	73.3	0.3	10	5	
107.00	110.00	2.8	93.3	0.2	6.7	5	
110.00	113.00	3.2	106.7	0.6	20	5	
113.00	116.00	3	100	0.4	13.3	5	
116.00	119.00	2.8	93.3	0.2	6.7	5	change at 118m to strength=4. Sandy, friable, crumbly rock. Some intervals strength=3. Highly variable.
119.00	122.00	3.3	110	0	0	4	
122.00	125.00	3.1	103.3	0	0	4	
125.00	128.00	3	100	0	0	4	
128.00	131.00	3	100	0	0	4	
131.00	134.00	3.1	103.3	0	0	5	change at 131.8m
134.00	137.00	3	100	0	0	5	
137.00	140.00	3.1	103.3	0.6	20	5	
140.00	143.00	3.2	106.7	0.5	16.7	5	few short intervals where strength=3-4. Crumbly, partial sand.
143.00	146.00	3.1	103.3	0.5	16.7	5	
146.00	149.00	3.2	106.7	0.6	20	5	
149.00	152.00	3	100	0.4	13.3	5	
152.00	155.00	3.3	110	0.3	10	5	
155.00	158.00	3.2	106.7	0.3	10	5	
158.00	161.00	3.1	103.3	0.5	16.7	5	
161.00	164.00	2.8	93.3	0.5	16.7	5	

Project: SpringPole
Area: Not Recorded

Gold Canyon
Program: 2013
Logger: Stacey Ng

Hole name: SP13-210
Length (m): 200

Geotech

mFrom	mTo	Recov_m	Recov_pct	RQD_m	RQD_pct	StrengthCo	Comments
164.00	167.00	3	100	1.3	43.3	5	
167.00	170.00	2.5	83.3	1	33.3	5	
170.00	173.00	2.8	93.3	1	33.3	4	
173.00	176.00	3.1	103.3	1.2	40	1	cohesive clay
176.00	179.00	3.1	103.3	0	0	1	
179.00	182.00	1.9	63.3	0	0	1	
182.00	185.00	2.5	83.3	0	0	1	clay/sand mixture
185.00	188.00	3	100	0.3	10	1	
188.00	191.00	3	100	0.2	6.7	4	
191.00	194.00	3	100	1.3	43.3	5	
194.00	197.00	3	100	1.3	43.3	5	
197.00	200.00	3	100	0.1	3.3	4	EOH at 200m-mixture of friable rock and clay, crumbles upon touch

Gold Canyon

Project	SpringPole	*Program*	2013	*Hole name*	**SP13-211**
Area	Not Recorded	*Hole Type*	Diamond Drill	*Length (m)*	158
Claim	nr			*Size*	HQ
Drill Contractor	Rodren	*Other Hole name*		*Data Origin*	GEO4-LENOVO
Drill Rig	2	*Cassing Pulled*	Unknown	*Data Date*	7/25/2013
Date Started	6/28/2013	*Cassing (m)*	91.44	*Data BY*	Geology
Date Finished	7/1/2013				
Logger	Eli Friedman	*Log Date*	7/2/2013		
Target	Site: B551				
Hole Comments	90' PW, 210' HW, water?				
Collar survey Date	6/30/2013	*Survey By*	John Nguyen	*Method*	Trimble R8
Survey Notes					

Collar coordinates

Grid	Name	x	Y	z	Az	Dip
Original	UTM84-15N	549,263.57	5,693,773.68	391.43	0.00	-90.00
Preferred	UTM84-15N	549,263.57	5,693,773.68	391.43	0.00	
Local						
Lat Long						

Down-hole surveys

SurveyDHDesc	mDepth	Dip	AzOrig	AzLocal	AzPref	AzMag	MagField	Remarks
yro (readings taken upwa	0.00	-89.46	269.14		269.14			
yro (readings taken upwa	10.00	-89.35	278.60		278.60			
yro (readings taken upwa	20.00	-89.20	280.54		280.54			
yro (readings taken upwa	30.00	-89.24	282.46		282.46			
yro (readings taken upwa	40.00	-89.62	258.72		258.72			
yro (readings taken upwa	50.00	-89.56	356.13		356.13			
yro (readings taken upwa	60.00	-89.62	82.38		82.38			
yro (readings taken upwa	70.00	-88.09	64.59		64.59			
yro (readings taken upwa	80.00	-88.08	63.53		63.53			
yro (readings taken upwa	90.00	-87.96	63.83		63.83			
yro (readings taken upwa	100.00	-87.84	62.03		62.03			
yro (readings taken upwa	110.00	-87.78	58.01		58.01			
yro (readings taken upwa	120.00	-87.51	58.34		58.34			
yro (readings taken upwa	130.00	-87.63	56.91		56.91			
yro (readings taken upwa	140.00	-87.67	56.92		56.92			

Relating Certificates

LabCode	Status	CertName	CertDate	Between	and	SampleGen
SGS	QC-NR	RL1302164	7/19/2013	71.00	158.00	0

Control Samples

SampleID	mFrom	mTo	SampleCode	SampleGen	Au_ppm	WtRecvd_kg	Au_CertName
88657	71.00	73.00	2-DUPL	0	0.26		RL1302164
88689	133.00	135.00	2-DUPL	0	1.32		RL1302164
88697	150.00	152.00	2-DUPL	0	0.76		RL1302164
88671	97.00	99.00	Blk-BL9	0	0.00	1.10	RL1302164
88663	83.00	85.00	Std-10D-GS	0	9.62	0.10	RL1302164

Number of entries per table

Litho	Alt	Minz	Geotech	Struct	Vein	Photos	Scans
9	9	13	30	20	0	0	0

Project: SpringPole
Area: Not Recorded
Claim: nr

Gold Canyon
Program: 2013
Logger: Eli Friedman

Hole name: SP13-211
Length (m): 158

Assays				Litho				
Depth (m)	SampleID	Au (ppm)	Ag (ppm)	Depth (m)	Lith1	Txtr2	Txtr2	Comments
71.00	No Data			67.70	WTR			
				71.00	OBN			
Certs= RL1302164								
73.00	88656	0.24	0.15					
77.00	88658	1.03	1.4					
79.00	88659	1.24	1.2					71-80m: Weakly foliated (about 30 degrees to core axis) Trachyte where rock is competent. Moderate carbonate -leaching. Leached vugs and voids contain moderate to strong disseminated pyrite and sulfides. Weak biotite also infilling larger vugs and voids. Variable texture. Moderate decomposed milky feldspar.
81.00	88660	2.62	6		TRA	FGN		80-86m: SAA (71-80m)
83.00	88661	1.86	3.3					
85.00	88662	1.27	1.8					
87.00	88664	0.17	0.15	86.00				
89.00	88665	0.75	1.7	89.00	TRA	CBX		86-89m: Moderately lithified, subrounded tan clasts in black/aphanitic matrix. Deep voids surrounding clasts infilled with cubic pyrite.
91.00	88666	0.59	0.7					
93.00	88667	10.91	9.6					
95.00	88668	1.86	2.2					89-96m: SAA (80-86m). Increasingly fractured and broken across interval. Sulfides and pyrite increase and finely disseminated. Feldspar-dominated matrix. Still moderate foliation visible in more competent pieces. Weak biotite and sericite alteration. Generally decomposed and fractured.
97.00	88669	3.32	2.6					96-100m: Aphanitic, mica-dominated matrix with 2-5mm white feldspar rystals. Weak pink calcite visible in rubbled zones. FInely disseminated pyrite and sulfides.
99.00	88670	1.42	3.6					100-113m: Rubbly and broken fine grained trachyte with finely disseminated pyrite and sulfides. Weak sericite-altered feldspar. Vuggy and carbonate-leached. Texture mostly indescriminate.
101.00	88672	3.37	3.2		TRA	FGN		107-109m: Weakly shistose fabric with disseminated pyrite and sulfides.
104.00	88673	2.48	8.5					
106.00	88674	2.73	7.3					
108.00	88675	1.98	5.7					
110.00	88676	2.33	5.4					
113.00	88677	3.67	5.2	113.00				
115.00	88678	0.73	0.15					
117.00	88679	3.09	1.1					
119.00	88680	4.34	1.5					
121.00	88681	0.53	0.9					
123.00	88682	1.31	0.4					116-120m: Chalky-white feldspar increaseing in grainsize and dominating groundmass. Weak-moderate sericite-altered with 1-2mm biotite and pyrite/sulfides seams along a 30 degree foliation fabric.
125.00	88683	2.22	2.7					122-140m: Increasingly carbonate-leached and sericite-altered. Groundmass in very soft and friable. Intervals of more competent rock display a fabric sub-parallel to core axis with equivalent amounts of mafics and felsics. Mafic clays (decomposed micas) dimonate groundmass with moderate disseminated pyrite and sulfides.
127.00	88684	1.91	1.5		TRA	MGN		
129.00	88685	2.45	7.2					
131.00	88686	1.87	6.9					
133.00	88687	1.3	3.8					
135.00	88688	0.95	3.1					
137.00	88690	1.19	8.1					

Project: SpringPole
Area: Not Recorded
Claim: nr

Gold Canyon
Program: 2013
Logger: Eli Friedman

Hole name: SP13-211
Length (m): 158

Assays				Litho				
Depth (m)	SampleID	Au (ppm)	Ag (ppm)	Depth (m)	Lith1	Txtr2	Txtr2	Comments
140.00	88691	1.9	7.8	140.00				
143.00	88692	0.14	2.9	143.00	LAM			140-143m: Strongly decomposed upper and lower contact with pervasive decomposition. Dark/aphanitic with dominantly micaceous minerals. Biotite altered? Secondary quartz/carbonate veinlets with assoiated pyrite and sulfides.
145.00	88693	6.1	22.6	150.00	TRA	CBX		145-148m: Alteration zoning (biotite and sericite) with sharp contacts and offsets between varying trachyte textures. Biotite-dominated in medium grained with definite fabric direction (about 40 degrees to core axis). Sericite-dominated obscures groundmass and is generally more vuggy. Leached pink calcite present and finely disseminated pyrite and sulfides.
147.00	88694	2.56	3.2					
150.00	88695	3.92	4.2					
152.00	88696	0.78	4.7	158.00	POR			150m: Broken contact into porphyry. Finely disseminated sulfides and pyrite in dark/aphanitic matrix. Feldspar grains 2mm-1cm, cracked and fractured along cleavage. 150-158m: Core exhibits discing. Moderate stockwork veining, bisecting feldspar grains. 1mm retrograde biotite. Soft olive sericite on fractured faces.
154.00	88698	0.73	3.4					
156.00	88699	0.77	3.4					
158.00	88700	1.1	4.2					

Project: SpringPole
Area: Not Recorded

Gold Canyon
Program: 2013
Logger: Eli Friedman

Hole name: SP13-211
Length (m): 158

Mineralization

mFrom	mTo	Pyrite_Pct	Min1	Min1_Pct	Min2	Min2_Pct	Comments
71.00	78.00	3					
78.00	80.00	7.5					
80.00	92.00	3					
92.00	100.00	7.5					
100.00	103.00	7.5					
103.00	109.00	3					
109.00	114.00	7.5					
114.00	116.00	3					
116.00	140.00	3					
140.00	143.00	0.5					
143.00	144.00	7.5					
144.00	150.00	3					
150.00	158.00	3					

Project: SpringPole
Area: Not Recorded

Gold Canyon
Program: 2013
Logger: Eli Friedman

Hole name: SP13-211
Length (m): 158

Veins

mDepth	mWidth	Vein1	Vein1_AlphaAngle	Vein1_Min1	Vein1_Min2	Vein1_Min3	Comments

Project: SpringPole
Area: Not Recorded

Gold Canyon
Program: 2013
Logger: Eli Friedman

Hole name: SP13-211
Length (m): 158

Alteration

mFrom	mTo	Alt1	Int	Alt2	Int	Alt3	Int	Alt4	Int	Comments
71.00	80.00	BIO	2							
80.00	89.00	BIO	2	SER	1					
89.00	113.00	BIO	1	SER	1					
113.00	122.00	SER	2	BIO	1					
122.00	130.00	SER	3	BIO	2					
130.00	140.00	BIO	3	SER	3					
140.00	143.00	BIO	4							
143.00	150.00	SER	2	BIO	1					
150.00	158.00	SER	3	BIO	2					

Project: SpringPole
Area: Not Recorded

Gold Canyon
Program: 2013
Logger: Eli Friedman

Hole name: SP13-211
Length (m): 158

Color

mFrom	mTo	Color1	Int	Color2	Comments
71.00	89.00	GRY	DK		
89.00	107.00	GRY	LT		
107.00	120.00	GRY	DK		
120.00	122.00	GRY	LT		
122.00	140.00	GRY	DK		
140.00	143.00	BLK			
143.00	150.00	GRY	LT		
150.00	158.00	GRY	LT	GRY	

Project: SpringPole
Area: Not Recorded

Gold Canyon
Program: 2013
Logger: Eli Friedman

Hole name: SP13-211
Length (m): 158

Carbonate and Void Space

mFrom	mTo	Void_pctCod	Carb_IntCode	Comments
71.00	75.00	3	1	
75.00	86.00	2	1	
86.00	91.00	3	1	
91.00	98.00	4	1	
98.00	100.00	2	1	
100.00	109.00	3	1	
109.00	113.00	4	1	
113.00	116.00	2	1	
116.00	127.00	1	1	
127.00	131.00	3	1	
131.00	135.00	2	1	
135.00	140.00	4	1	
140.00	148.00	3	1	
148.00	150.00	4	1	
150.00	158.00	3	2	

Project: SpringPole
Area: Not Recorded

Gold Canyon
Program: 2013
Logger: Eli Friedman

Hole name: SP13-211
Length (m): 158

Geotech

mFrom	mTo	Recov_m	Recov_pct	RQD_m	RQD_pct	StrengthCo	Comments
68.00	71.00	1.5	50	0.3	10	5	
71.00	74.00	1.1	36.7	0.2	6.7	7	
74.00	77.00	1.2	40	0	0	7	
77.00	80.00	2	66.7	1.2	40	7	
80.00	83.00	2	66.7	1.2	40	7	
83.00	86.00	1.2	40	0.3	10	7	
86.00	89.00	2.5	83.3	1.2	40	7	
89.00	92.00	2.8	93.3	0.2	6.7	6	
92.00	95.00	3	100	0	0	6	
95.00	98.00	3	100	0	0	6	
98.00	101.00	2.7	90	0.6	20	6	
101.00	104.00	2.5	83.3	0.2	6.7	6	
104.00	107.00	1.6	53.3	0.2	6.7	6	
107.00	110.00	2.2	73.3	0.1	3.3	6	
110.00	113.00	0.3	10	0	0	6	
113.00	116.00	3	100	1.7	56.7	6	
116.00	119.00	2	66.7	0.3	10	6	
119.00	122.00	3	100	1.2	40	6	
122.00	125.00	2.8	93.3	0.2	6.7	6	
125.00	128.00	2	66.7	0.2	6.7	7	
128.00	131.00	2.4	80	0	0	5	
131.00	134.00	2.4	80	0.2	6.7	5	
134.00	137.00	1.7	56.7	0	0	4	
137.00	140.00	0.9	30	0	0	4	
140.00	143.00	1.6	53.3	0	0	5	
143.00	146.00	2.4	80	0.4	13.3	7	
146.00	149.00	3	100	0.3	10	7	
149.00	152.00	2.7	90	0	0	7	
152.00	155.00	2.4	80	0	0	7	
155.00	158.00	1.8	60	0	0	7	

Gold Canyon

Project	SpringPole	*Program*	2013	*Hole name*	**SP13-212**
Area	Not Recorded	*Hole Type*	Diamond Drill	*Length (m)*	176
Claim	nr			*Size*	HQ
Drill Contractor	Rodren	*Other Hole name*		*Data Origin*	GEO4-LENOVO
Drill Rig	1	*Cassing Pulled*	Unknown	*Data Date*	7/25/2013
Date Started	6/29/2013	*Cassing (m)*	92.96	*Data BY*	Geology
Date Finished	7/1/2013				
Logger	Ashley Ripple	*Log Date*	7/2/2013		
Target	Site: B353				
Hole Comments	125' PW, 180' HW. Water?				
Collar survey Date	6/30/2013	*Survey By*	John Nguyen	*Method*	Trimble R8
Survey Notes					

Collar coordinates

Grid	Name	x	Y	z	Az	Dip
Original	UTM84-15N	549,403.17	5,693,627.05	391.62	0.00	-90.00
Preferred	UTM84-15N	549,403.17	5,693,627.05	391.62	0.00	
Local						
Lat Long						

Down-hole surveys

SurveyDHDesc	mDepth	Dip	AzOrig	AzLocal	AzPref	AzMag	MagField	Remarks
yro (readings taken upwa	0.00	-89.28	44.47		44.47			
yro (readings taken upwa	10.00	-89.62	30.87		30.87			
yro (readings taken upwa	20.00	-89.77	37.64		37.64			
yro (readings taken upwa	30.00	-89.66	83.25		83.25			
yro (readings taken upwa	40.00	-88.64	73.28		73.28			
yro (readings taken upwa	50.00	-88.91	61.71		61.71			
yro (readings taken upwa	60.00	-88.38	50.89		50.89			
yro (readings taken upwa	70.00	-88.36	52.47		52.47			
yro (readings taken upwa	80.00	-88.44	56.89		56.89			
yro (readings taken upwa	90.00	-88.65	57.79		57.79			
yro (readings taken upwa	100.00	-88.82	67.81		67.81			
yro (readings taken upwa	110.00	-88.71	69.98		69.98			
yro (readings taken upwa	120.00	-88.67	66.43		66.43			
yro (readings taken upwa	130.00	-88.49	62.30		62.30			
yro (readings taken upwa	140.00	-88.56	59.67		59.67			
yro (readings taken upwa	150.00	-88.88	50.02		50.02			
yro (readings taken upwa	160.00	-89.17	48.04		48.04			

Relating Certificates

LabCode	Status	CertName	CertDate	Between	and	SampleGen
SGS	QC-NR	RL1302180	7/23/2013	52.50	174.60	0
SGS	QC-NR	RL1302267	7/29/2013	174.60	176.00	0

Control Samples

SampleID	mFrom	mTo	SampleCode	SampleGen	Au_ppm	WtRecvd_kg	Au_CertName
89005	58.00	60.00	2-DUPL	0	0.04	6.30	RL1302180
89037	116.00	118.00	2-DUPL	0	0.06		RL1302180
89046	132.00	134.00	2-DUPL	0	0.21		RL1302180
89013	72.00	74.00	Blk-BL9	0	0.00	1.20	RL1302180
89068	172.00	174.00	Blk-BL9	0	0.00	1.20	RL1302180
89025	94.00	96.00	Std-5G-GS	0	4.33	0.10	RL1302180

89059	156.00	158.00	STD-MID	0	0.79	0.05	RL1302180

Number of entries per table

Litho	Alt	Minz	Geotech	Struct	Vein	Photos	Scans
15	13	20	41	34	0	0	0

Project: SpringPole
Area: Not Recorded
Claim: nr

Gold Canyon
Program: 2013
Logger: Ashley Ripple

Hole name: SP13-212
Length (m): 176

Assays				Litho				
Depth (m)	SampleID	Au (ppm)	Ag (ppm)	Depth (m)	Lith1	Txtr2	Txtr2	Comments
52.50	No Data			52.50	WTR			
Certs= RL1302180								
54.00	89001	0.02	0.15					52.5-86 m Fine to medium grained grey to green andesite. Note the andesite is the indeterminate between trachyte and andesite. Most pheocrysts seem to relict with replacement by sericite-argillic alteration. Core is moderately broken/blocky with average length of 0.1 m. Core is mostly broken along fracture and foliation planes. Sulfides are finely disseminated throughout in trace amounts. Sericite alteration is pervaisve throughout (moderate amounts) while the biotite and argillic alteration are more heavily concentrated along joints/fractures/foliation breaks. 52.5-176 m No veins 52.5-126 m No Reaction of 10% HCl. Minor carbonate in groundmass or fracture surfaces (more dolomite-rich than calcite-rich). 57-59 m Rare pyrite grains <1mm are cubic habit. 62.5-63.5 m Small, localized zone with moderate goethite-hematite alteration with possible limonite (?). Goe is concentrated in the groundmass while the hematite is only on joints and fractures. 65-78 m Phenocryst grain size is variable from 1-5 mm (medium to fine grained). ~68 m Increase of finely disseminated biotite in groundmass. 70-71 m Increase of finely disseminated pyrite, 1-5%, closer to 5%. Associated with increase of biotite. 71.8 m Dark grey to black fluidal-juvenille stringers of other andesite phase (or same phase with variable alteration). 72.1 m Light green to white talc-sericite coatings on the joints and fractures (localized). 74-77 m Pervasive iron oxide alteration (100% obsecures original lithology and texture). Oxides are goethite>>limonite>>hematite and are associated with clay (or sericite?). 77-80 m Variable grain sizes. Possible flow textures (with grading of grain sizes from aphanitic to medium grained). This interval is associated with light cream to light brown moderately hard fracture fill and partial replacement of phenocrysts. 80-86 m Core is more intact with the average lenth 0.2 m. Overall there is less sericite-argillic alteration. 82.7-83 m ~2mm cubic pyrite grains on open joint.
56.00	89002	0.05	0.15					
58.00	89003	0.03	0.15					
60.00	89004	0.02	0.15					
62.00	89006	0.005	0.15					
64.00	89007	0.01	0.15					
66.00	89008	0.15	0.15					
68.00	89009	0.04	0.15					
70.00	89010	0.17	0.15		AND	FGN		
72.00	89011	0.33	0.9					
74.00	89012	1.65	2					
76.00	89014	0.55	1.3					
78.00	89015	0.84	1.1					
80.00	89016	0.5	0.6					
82.00	89017	0.08	0.15					
84.00	89018	0.85	0.6					
86.00	89019	1.05	0.9	86.00				
88.00	89020	0.09	0.15					86-93 m Core textures more obsecured by alteration (possible the trachyte is the same unit as andesite). Unit is more trachytic in appearance. Phenocrysts are rare, dominately aphanitic with localized 0.1-0.2 m zones with fine grains (1-3 mm). Biotite is pervasive throughout and the dominate alteration type is sericite/argillic is concentrated on joint/fracture surfaces. Increase of finely disseminated sulfides. *This is a graditional contact. 92.5 m Increase of green talc on fracture. Possible slickenlines on surface (with chlorite).
90.00	89021	0.05	0.15					
92.00	89022	0.32	0.15		TRA	APH		
94.00	89023	0.17	0.15	93.00				
96.00	89024	0.11	0.15					93-98 m Possibly Andesite, but grain size increases from aphanitic to 1-3 mm. Phenocrysts appear to be relict. 95-101 m Decrease in pyrite percentage to trace amounts that are finely disseminated.
98.00	89026	0.18	0.15	98.00	TRA	FGN		
100.00	89027	0.14	0.15					98-105 m Core is same as above from 86-93 m; phenocrysts are no longer visible. At 98 m, there is an increase of talc-sericite-argillic coating on joints and fracture surfaces. Also core becomes much more broken at this point. 101 m Increase of finely disseminated pyrite with higher concentrations on joints and fractures.
102.00	89028	0.09	0.15					
104.00	89029	12.78	14.2		TRA	APH		
106.00	89030	0.48	0.5	105.00				
108.00	89031	0.73	1.6					105-112 m Magnetism is moderate but highly variable due to the broken nature of the core. The core is broken in hockey-puck sized pieces along foliation (cleavage). There is less talc-argillic along joints and fractures.
110.00	89032	0.44	0.4					
112.00	89033	0.24	0.15	112.00	TRA	APH	SCH	
114.00	89034	3.79	22.4					112-118 m Apahitic trachyte is weak crackle breccia texture. Texture is outlined by alteration variations. 114-126 m Intense magnetism with rare zones with strong to moderate magnetism.

Project: SpringPole
Area: Not Recorded
Claim: nr

Gold Canyon
Program: 2013
Logger: Ashley Ripple

Hole name: SP13-212
Length (m): 176

Assays				Litho				
Depth (m)	SampleID	Au (ppm)	Ag (ppm)	Depth (m)	Lith1	Txtr2	Txtr2	Comments
116.00	89035	0.87	0.7	118.00	TRA	APH	KBX	114-136 m Intense magnetism with rare zones with strong to moderate magnetism. 114 m Decrease in finely disseminated pyrite 115-118 m Core is very rubbly with average length less than 0.1 m. This zone has increase light to dark green clay (talc)-sericite coating on
118.00	89036	0.04	0.15					
120.00	89038	0.05	0.15	122.00	TRA	FGN		118-122 m Fine grained (1-4 mm) trachyte with partially replaced phenocrysts (sericite replacement). There is possible flow-bedding in this zone.
122.00	89039	16.66	20.2					
124.00	89040	0.32	0.15	137.00	TRA	APH		122-137 m Core becomes dominately aphanitic with only rare localized 0.1-0.2 m zones of fine grained trachyte. Foliation becomes much more apparent. There is no change in alteration. 122-124 m Increase of bright green clay-talc on the joint and fracture surfaces. 126-128 m Matrix/groundmass has weak reaction to 10% HCl. 128-176 m No reaction to 10% HCl. Minor trace amounts of carbonate replacing phenocrysts. 129.5 m Possible slickenlines on joint surface. 131 m 5 cm Open space quartz (possible biotite and tourmaline) vug. 136-140 m No magnetism. Possible fault gouge? with clay-rich zone. There is an increase of pyrite to 1-5%.
126.00	89041	0.005	0.15					
128.00	89042	0.005	0.15					
130.00	89043	0.07	0.5					
132.00	89044	0.11	0.4					
134.00	89045	0.21	0.4					
136.00	89047	0.3	0.3					
138.00	89048	0.57	0.9	138.50	MSC			137-138.5 m Muscovite seam with black biotite (dominately).
140.00	89049	0.69	1.2	155.00	TRA	APH		138.5-155 m The core is the same as above from 122-137 m. Aphanitic trachyte. 138.9-140 m Increase of schitose texture and foliation of core with cleavage spaced 1 cm apart. 140-176 m Moderate to strong magnetism (strength varies from moderate to intense). 144-149 m Increase of foliation of aphanitic trachyte. Overall core is lighter grey with some zones that are light green. There is decrease in biotite and clay alteration of the core. ~146 m Rare 1-2 mm cubic pyrite grains 148 m Core increases in the pervasive sercite-argillic alteration. 153 m Decrease to no green clay on the joints/fractures.
142.00	89050	0.78	1.4					
144.00	89051	0.16	0.15					
146.00	89052	0.06	0.3					
148.00	89053	0.13	0.15					
149.00	89054	0.07	0.15					
152.00	89055	0.93	10					
154.00	89056	0.19	1.1					
156.00	89057	0.03	0.15	164.00	TRA	APH	KBX	155-164.5 m Core is the same as above but with weak crackle breccia texture 160-161 m Increase of finely disseminated pyrite to 1-5% with increase of fine biotite grains.
158.00	89058	0.15	0.15					
160.00	89060	0.36	0.15					
162.00	89061	0.59	0.4					
164.00	89062	0.42	0.3					
166.00	89063	0.33	0.15	174.00	TRA	APH		164-174 m Core is the same as above but aphanitic trachyte; crackle breccia texture is no longer present. 167.7 m Increase of weak dark green clay-chlorite on joint/fracture surfaces. 170 m Localized zone with increase of finely disseminated pyrite on joints and fractures with increase of argillic alteration.
168.00	89064	1.42	1.9					
170.00	89065	1.55	2.6					
172.00	89066	0.89	1.3					
174.00	89067	0.06	0.15					
174.60	89069	0.09	0.15	174.60	LAM	APH		174-174.6 m Lamprophyre dike with sharp upper and lower contacts (55 alpha) with joints at the same angle. Trace vugs. Intense biotite alteration (pervasive) with minor argillic alteration at the contacts.

Project: SpringPole
Area: Not Recorded
Claim: nr

Gold Canyon
Program: 2013
Logger: Ashley Ripple

Hole name: SP13-212
Length (m): 176

Assays				Litho				
Depth (m)	**SampleID**	**Au (ppm)**	**Ag (ppm)**	**Depth (m)**	**Lith1**	**Txtr2**	**Txtr2**	**Comments**
Certs= RL1302267								
176.00	89070	0.13	0.15	176.00	TRA	APH		174.6-176 m Core is the same as above from 164.5-174 m but with increased bleaching

Project: SpringPole
Area: Not Recorded

Gold Canyon
Program: 2013
Logger: Ashley Ripple

Hole name: SP13-212
Length (m): 176

Mineralization

mFrom	mTo	Pyrite_Pct	Min1	Min1_Pct	Min2	Min2_Pct	Comments
52.50	70.00	0.5					
70.00	71.00	3					
71.00	74.00	0.5					
74.00	77.00	0.5					
77.00	80.00	0.5					
80.00	86.00	0.5					
86.00	89.00	3					
89.00	95.00	3					
95.00	96.00	0.5					
96.00	101.00	0.5					
101.00	105.00	3					
105.00	114.00	3					
114.00	136.00	0.5					
136.00	137.00	0.5					
137.00	140.00	3					
140.00	160.00	0.5					
160.00	161.00	3					
161.00	170.00	0.5					
170.00	171.00	3					
171.00	174.00	0.5					

Project: SpringPole
Area: Not Recorded

Gold Canyon
Program: 2013
Logger: Ashley Ripple

Hole name: SP13-212
Length (m): 176

Veins

mDepth	mWidth	Vein1	Vein1_AlphaAngle	Vein1_Min1	Vein1_Min2	Vein1_Min3	Comments

Project: SpringPole
Area: Not Recorded

Gold Canyon
Program: 2013
Logger: Ashley Ripple

Hole name: SP13-212
Length (m): 176

Alteration

mFrom	mTo	Alt1	Int	Alt2	Int	Alt3	Int	Alt4	Int	Comments
52.50	62.50	SER	3	ARG	2	BIO	2			
62.50	63.50	FEX	3	ARG	2	SER	2			
63.50	73.00	SER	3	ARG	3	BIO	3			
73.00	77.00	FEX	4	ARG	3					
77.00	80.00	SER	3	ARG	3	BIO	3			
80.00	86.00	BIO	3	SER	2	ARG	2			
86.00	137.00	BIO	3	SER	3	ARG	3			
137.00	138.50	SER	4	BIO	4	ARG	4			
138.50	144.00	BIO	3	SER	3	ARG	3			
144.00	148.00	SER	3	BIO	2	ARG	2			
148.00	174.00	SER	3	ARG	3	BIO	2			
174.00	174.60	BIO	4	ARG	2					
174.60	176.00	ARG	3	ARG	3	BIO	1			

Project: SpringPole
Area: Not Recorded

Gold Canyon
Program: 2013
Logger: Ashley Ripple

Hole name: SP13-212
Length (m): 176

Color

mFrom	mTo	Color1	Int	Color2	Comments
52.50	62.50	GRY	MD	GRN	
62.50	63.50	BRN	MD		
63.50	73.00	GRY	DK		
73.00	77.00	BRN	LT	ORG	
77.00	137.00	GRY	DK		
137.00	138.50	BLK			
138.50	144.00	GRY	DK		
144.00	174.00	GRY	MD		
174.00	174.60	BLK			
174.60	176.00	GRY	LT		

Project: SpringPole
Area: Not Recorded

Gold Canyon
Program: 2013
Logger: Ashley Ripple

Hole name: SP13-212
Length (m): 176

Carbonate and Void Space

mFrom	mTo	Void_pctCod	Carb_IntCode	Comments
52.50	59.00	4	0	
59.00	62.00	3	0	
62.00	74.00	2	0	
74.00	77.00	3	0	
77.00	83.00	2	0	
83.00	93.00	3	0	
93.00	99.00	2	0	
99.00	116.00	3	0	
116.00	117.00	3	2	
117.00	120.00	3	0	
120.00	126.00	2	0	
126.00	128.00	2	1	
128.00	131.00	2	0	
131.00	145.00	3	0	
145.00	147.00	2	0	
147.00	149.00	3	0	
149.00	152.00	2	0	
152.00	176.00	1	0	

Project: SpringPole
Area: Not Recorded

Gold Canyon
Program: 2013
Logger: Ashley Ripple

Hole name: SP13-212
Length (m): 176

Geotech

mFrom	mTo	Recov_m	Recov_pct	RQD_m	RQD_pct	StrengthCo	Comments
52.50	56.00	3.5	100	0.4	11.4	4	
56.00	59.00	2.8	93.3	0.3	10	5	
59.00	62.00	3.1	103.3	1.4	46.7	5	
62.00	65.00	3	100	0.7	23.3	5	
65.00	68.00	3	100	1.7	56.7	5	
68.00	71.00	2.9	96.7	1.7	56.7	5	
71.00	74.00	3.1	103.3	1.4	46.7	5	
74.00	77.00	3.1	103.3	1.1	36.7	6	
77.00	80.00	3	100	1.9	63.3	4	Missing Run Block
80.00	83.00	2.8	93.3	0.4	13.3	4	
83.00	86.00	3	100	0.3	10	4	
86.00	89.00	2.5	83.3	0	0	4	
89.00	92.00	3	100	0.9	30	4	
92.00	95.00	3.3	110	1.5	50	4	
95.00	98.00	2.9	96.7	0.5	16.7	4	
98.00	101.00	2.6	86.7	0.5	16.7	4	
101.00	104.00	3.1	103.3	0.7	23.3	4	Box Not Labeled; run block in the wrong place.
104.00	107.00	3	100	0.3	10	4	
107.00	110.00	3.1	103.3	0	0	4	
110.00	113.00	2.9	96.7	0	0	4	
113.00	116.00	3.1	103.3	0	0	5	
116.00	119.00	3.1	103.3	0.4	13.3	5	
119.00	122.00	2.9	96.7	0.6	20	5	
122.00	125.00	3	100	3	100	5	
125.00	128.00	2.7	90	1	33.3	5	
128.00	131.00	3	100	1	33.3	5	
131.00	134.00	2.9	96.7	0.2	6.7	4	
134.00	137.00	3	100	0.8	26.7	4	
137.00	140.00	3	100	0	0	5	
140.00	143.00	2.9	96.7	0.3	10	5	
143.00	146.00	3	100	1.3	43.3	4	
146.00	149.00	2.8	93.3	0.7	23.3	4	
149.00	152.00	1.9	63.3	0	0	5	

Project: SpringPole
Area: Not Recorded

Gold Canyon
Program: 2013
Logger: Ashley Ripple

Hole name: SP13-212
Length (m): 176

Geotech

mFrom	mTo	Recov_m	Recov_pct	RQD_m	RQD_pct	StrengthCo	Comments
152.00	155.00	3	100	1	33.3	5	
155.00	158.00	3	100	1.6	53.3	5	
158.00	161.00	3.1	103.3	1	33.3	5	
161.00	164.00	2.9	96.7	1.5	50	5	
164.00	167.00	3.1	103.3	1	33.3	5	
167.00	170.00	3	100	0.3	10	5	
170.00	173.00	3.1	103.3	1.4	46.7	5	
173.00	176.00	3	100	0.9	30	5	

Gold Canyon

Project	SpringPole	*Program*	2013	*Hole name*	**SP13-213**
Area	Not Recorded	*Hole Type*	Diamond Drill	*Length (m)*	125
Claim	nr			*Size*	HQ
Drill Contractor	Rodren	*Other Hole name*		*Data Origin*	GEO4-LENOVO
Drill Rig	2	*Cassing Pulled*	Unknown	*Data Date*	7/25/2013
Date Started	7/3/2013	*Cassing (m)*		*Data BY*	Geology
Date Finished	7/4/2013				
Logger	Eli Friedman	*Log Date*	7/4/2013		
Target	Site: B454				
Hole Comments					
Collar survey Date	7/3/2013	*Survey By*	Eli Friedman	*Method*	Trimble R8
Survey Notes					

Collar coordinates

Grid	Name	x	Y	z	Az	Dip
Original	UTM84-15N	549,410.21	5,693,789.25	391.19	0.00	-90.00
Preferred	UTM84-15N	549,410.21	5,693,789.25	391.19	0.00	
Local						
Lat Long						

Down-hole surveys

SurveyDHDesc	mDepth	Dip	AzOrig	AzLocal	AzPref	AzMag	MagField	Remarks
yro (readings taken upwa	0.00	-89.39	120.89		120.89			
yro (readings taken upwa	10.00	-89.98	29.70		29.70			
yro (readings taken upwa	20.00	-89.58	343.74		343.74			
yro (readings taken upwa	30.00	-88.45	329.84		329.84			
yro (readings taken upwa	40.00	-88.08	325.21		325.21			
yro (readings taken upwa	50.00	-88.34	324.42		324.42			
yro (readings taken upwa	60.00	-88.32	328.30		328.30			
yro (readings taken upwa	70.00	-88.09	330.04		330.04			
yro (readings taken upwa	80.00	-88.15	333.41		333.41			
yro (readings taken upwa	90.00	-88.34	332.50		332.50			
yro (readings taken upwa	100.00	-88.28	331.54		331.54			
yro (readings taken upwa	110.00	-88.05	335.27		335.27			

Relating Certificates

LabCode	Status	CertName	CertDate	Between	and	SampleGen
SGS	QC-NR	RL1302181	7/22/2013	47.00	125.00	0

Control Samples

SampleID	mFrom	mTo	SampleCode	SampleGen	Au_ppm	WtRecvd_kg	Au_CertName
88722	88.00	91.00	2-DUPL	0	0.10		RL1302181
88704	53.00	55.00	Blk-BL9	0	0.00	1.10	RL1302181
88734	111.00	113.00	Blk-BL9	0	0.00	1.20	RL1302181
88718	81.00	83.00	STD-HIGH	0	1.97	0.06	RL1302181

Number of entries per table

Litho	Alt	Minz	Geotech	Struct	Vein	Photos	Scans
6	9	10	26	17	1	0	0

Project: SpringPole
Area: Not Recorded
Claim: nr

Gold Canyon
Program: 2013
Logger: Eli Friedman

Hole name: SP13-213
Length (m): 125

Assays				Litho				
Depth (m)	SampleID	Au (ppm)	Ag (ppm)	Depth (m)	Lith1	Txtr2	Txtr2	Comments
47.00	No Data			46.70				
Certs= RL1302181								
51.00	88701	0.21	2.2					
53.00	88702	0.44	3.7					
55.00	88703	0.69	1.4					
57.00	88705	0.62	2.2					
59.00	88706	1.05	2.6					
62.00	88707	0.52	0.7					
64.00	88708	1.55	6					
66.00	88709	0.38	27.2					
69.00	88710	0.44	9.5					
71.00	88711	1.13	46.9					
73.00	88712	0.16	23.7					
75.00	88713	0.71	13					
77.00	88714	0.69	0.3					
79.00	88715	0.85	0.8					
81.00	88716	1.07	1					
83.00	88717	1.1	0.9					
86.00	88719	1.03	4.6					
88.00	88720	0.15	0.4					
91.00	88721	0.29	0.5					
93.00	88723	0.03	0.15					
95.00	88724	0.01	0.15					
97.00	88725	0.03	0.15	96.00	VBX	DEC		47-60m: Severely decomposed/argillized/weathered matrix of volcanic breccia with mostly competent but fractured feldspars (1cm). Clasts subrounded, tear drop shapes, composed of aphanitic lithic material- dull green to grey color. Clasts (1-3cm) broken and offset. Groundmass carbonate-leached and non-magnetic with minor pyrite and sulfides. Moderate biotite stringers. Moderate sericite alteration of groundmass and feldspars in groundmass. Very crumbly texture, chalky. Groundmass is clay-rich. 62-70m: SAA with moderate goethite alteration and staining pervasive through clay-rich groundmass. 70-80m: Intervals of relic trachyte texture with prominent feldspar in aphanitic groundmass. 72-74m: Strong jarosite/goethite oxidation staining on exterior of core (maroon/purple). Weak foliation (45 degrees to core axis). Clasts form boudinage (lithic-rich). Clast-dominated groundmass. Pockets of leached carbonates infilled with biotite and disseminated pyrite and sulfides. Very clay-rich. 80-87m: SAA. Leached and clay-rich. Strong argillic alteration. Minor chlorite through micaceous groundmass.1-3mm cubic pyrite. Retrograde biotite, 1mm, in voids. Finely disseminated pyrite and sulfides. 87m: Compositional change in breccia. Groundmass becomes mafic (biotite) dominated through still very clay-rich. Noticeable increase in pyrite and associated black sulfides. 87-100m: Several medium-grained porphyry intrusions, moderately lithified. Feldspars exhibiting strong alteration halos. Iron-oxides. 1-3mm cubic pyrite.
99.00	88726	0.03	0.15					
101.00	88727	0.13	0.15					
103.00	88728	0.01	0.15					
105.00	88729	0.005	0.15	104.00	VBX	CGN		96m: Platy pyrite along joint surfaces. (5mm-1cm). Visisible magnetite crystals 1-2mm, rounded and along foliation fabric. 100-104m: SAA (87-100m) Intrusive dikes and sericite-rich clasts with plucked feldspar grains. Gradational alteration zoning around rounded to subrounded quartz grains and clasts. Clasts are megacrystic porphyry.
107.00	88730	0.005	0.15					
109.00	88731	0.005	0.15	109.00	VBX	CBX		104-120m: Foliation fabric with 1-2mm biotite in feldspar-rich porphyry matrix. 2-5cm clasts of sericite-rich porphyry. Leached along mica seams with pyrite and sulfide infill. Clasts, tan and light green , in dark groundmass. Plucked feldspar grains from lighter clasts.
111.00	88732	0.01	0.15					
113.00	88733	0.005	0.15					116-119m: Skinny, anastomosing (5mm) veinlets, severely offset and disjointed. Biotite along seams with associated sulfides. Cleavage

Project: SpringPole
Area: Not Recorded
Claim: nr

Gold Canyon
Program: 2013
Logger: Eli Friedman

Hole name: SP13-213
Length (m): 125

Assays				Litho				
Depth (m)	SampleID	Au (ppm)	Ag (ppm)	Depth (m)	Lith1	Txtr2	Txtr2	Comments
115.00	88735	0.005	0.15		POR	CBX		116-119m: Skinny, anastomosing (5mm) veinlets, severely offset and disjointed. Biotite along seams with associated sulfides. Cleavage surfaces of feldspars reflective, especially in less-altered sericite groundmass. Moderately lithified.
117.00	88736	0.005	0.15					
119.00	88737	0.005	0.15	119.00				
121.00	88738	0.06	0.3		VBX	DEC		120-125m: White clay-rich groundmass with finely disseminated sulfides and pyrite. Weakly preserved texture, mica-dominated. Moderately-strong sericite alteration.
125.00	88739	0.48	1	125.00				

Project: SpringPole
Area: Not Recorded

Gold Canyon
Program: 2013
Logger: Eli Friedman

Hole name: SP13-213
Length (m): 125

Mineralization

mFrom	mTo	Pyrite_Pct	Min1	Min1_Pct	Min2	Min2_Pct	Comments
46.70	74.00	0.5					
74.00	78.00	3					
78.00	87.00	0.5					
87.00	94.00	3					
94.00	96.00	3					
96.00	112.00	3	Mag	0.5			
112.00	118.00	3					
118.00	119.00	7.5					
119.00	122.00	7.5					
122.00	125.00	3					

Project: SpringPole
Area: Not Recorded

Gold Canyon
Program: 2013
Logger: Eli Friedman

Hole name: SP13-213
Length (m): 125

Veins

mDepth	mWidth	Vein1	Vein1_AlphaAngle	Vein1_Min1	Vein1_Min2	Vein1_Min3	Comments
108.00	0.01	QTZ	50	C			
							108-109m: Quartz/carbonate veins, fractured and moderately vuggy with minor-ly associated pyrite and sulfides

Project: SpringPole
Area: Not Recorded

Gold Canyon
Program: 2013
Logger: Eli Friedman

Hole name: SP13-213
Length (m): 125

Alteration

mFrom	mTo	Alt1	Int	Alt2	Int	Alt3	Int	Alt4	Int	Comments
46.70	62.00	ARG	4	SER	3					
62.00	72.00	GOE	3	SER	3					
72.00	74.00	JAR	3	GOE	3					
74.00	78.00	SER	3	BIO	2					
78.00	87.00	ARG	4	SER	3					
87.00	96.00	ARG	4	BIO	3					
96.00	104.00	BIO	3							
104.00	119.00	BIO	3	SER	3					
119.00	125.00	ARG	4	SER	3					

Project: SpringPole
Area: Not Recorded

Gold Canyon
Program: 2013
Logger: Eli Friedman

Hole name: SP13-213
Length (m): 125

Color

mFrom	mTo	Color1	Int	Color2	Comments
46.70	62.00	GRY	LT	GRN	
62.00	70.00	GRY	LT	ORG	
70.00	87.00	GRY	LT	GRN	
87.00	125.00	GRY	DK		

Project: SpringPole
Area: Not Recorded

Gold Canyon
Program: 2013
Logger: Eli Friedman

Hole name: SP13-213
Length (m): 125

Carbonate and Void Space

mFrom	mTo	Void_pctCod	Carb_IntCode	Comments
46.70	54.00	4	0	
54.00	63.00	2	1	
63.00	70.00	3	2	
70.00	79.00	1	1	
79.00	83.00	2	1	
83.00	96.00	3	1	
96.00	111.00	1	0	
111.00	119.00	1	1	
119.00	125.00	3	1	

Project: SpringPole
Area: Not Recorded

Gold Canyon
Program: 2013
Logger: Eli Friedman

Hole name: SP13-213
Length (m): 125

Geotech

mFrom	mTo	Recov_m	Recov_pct	RQD_m	RQD_pct	StrengthCo	Comments
47.00	50.00	0.5	16.7	0	0	6	
50.00	53.00	1.6	53.3	0.1	3.3	6	
53.00	56.00	1.5	50	0.7	23.3	6	
56.00	59.00	1.8	60	0.6	20	6	
59.00	62.00	1	33.3	0.1	3.3	6	
62.00	65.00	2.6	86.7	0.6	20	6	
65.00	68.00	1.2	40	0.3	10	6	
68.00	71.00	2.1	70	0.6	20	6	
71.00	74.00	2.5	83.3	0.6	20	6	
74.00	77.00	2.5	83.3	1.2	40	6	
77.00	80.00	2.6	86.7	0.8	26.7	6	
80.00	83.00	2.5	83.3	0.7	23.3	5	
83.00	86.00	0.9	30	0	0	5	
86.00	89.00	1.9	63.3	0	0	5	
89.00	92.00	2.6	86.7	0	0	4	
92.00	95.00	2.9	96.7	0	0	5	
95.00	98.00	3	100	1	33.3	4	
98.00	101.00	2.9	96.7	2	66.7	5	
101.00	104.00	3	100	1.6	53.3	5	
104.00	107.00	3	100	1.7	56.7	6	
107.00	110.00	3.1	103.3	2.7	90	6	
110.00	113.00	3.1	103.3	2.7	90	6	
113.00	116.00	3	100	2.6	86.7	6	
116.00	119.00	2.9	96.7	0	0	6	
119.00	122.00	1.5	50	0	0	3	
122.00	125.00	7	233.3	0	0	3	

Gold Canyon

Project	SpringPole	*Program*	2013	*Hole name*	**SP13-214**
Area	Not Recorded	*Hole Type*	Diamond Drill	*Length (m)*	200
Claim	nr			*Size*	HQ
Drill Contractor	Rodren	*Other Hole name*		*Data Origin*	GEO4-LENOVO
Drill Rig	1	*Cassing Pulled*	Unknown	*Data Date*	7/25/2013
Date Started	7/3/2013	*Cassing (m)*		*Data BY*	Geology
Date Finished					
Logger		*Log Date*			
Target					
Hole Comments					
Collar survey Date	7/3/2013	*Survey By*	Eli Friedman	*Method*	Trimble R8
Survey Notes					

Collar coordinates

Grid	Name	x	Y	z	Az	Dip
Original	UTM84-15N	549,465.14	5,693,541.67	391.44	0.00	-90.00
Preferred	UTM84-15N	549,465.14	5,693,541.67	391.44	0.00	
Local						
Lat Long						

Down-hole surveys

SurveyDHDesc	mDepth	Dip	AzOrig	AzLocal	AzPref	AzMag	MagField	Remarks
yro (readings taken upwa	0.00	-89.43	136.03		136.03			
yro (readings taken upwa	10.00	-89.37	134.08		134.08			
yro (readings taken upwa	20.00	-88.52	146.63		146.63			
yro (readings taken upwa	30.00	-87.83	180.62		180.62			
yro (readings taken upwa	40.00	-87.69	209.61		209.61			
yro (readings taken upwa	50.00	-87.37	217.29		217.29			
yro (readings taken upwa	60.00	-87.38	206.33		206.33			
yro (readings taken upwa	70.00	-87.81	194.79		194.79			
yro (readings taken upwa	80.00	-87.72	196.41		196.41			
yro (readings taken upwa	90.00	-87.67	189.46		189.46			
yro (readings taken upwa	100.00	-87.91	188.78		188.78			
yro (readings taken upwa	110.00	-87.84	187.55		187.55			
yro (readings taken upwa	120.00	-87.67	188.61		188.61			
yro (readings taken upwa	130.00	-87.96	183.63		183.63			
yro (readings taken upwa	140.00	-87.70	186.40		186.40			
yro (readings taken upwa	150.00	-87.25	193.50		193.50			
yro (readings taken upwa	160.00	-87.19	195.29		195.29			
yro (readings taken upwa	170.00	-87.22	194.92		194.92			
yro (readings taken upwa	180.00	-87.15	191.97		191.97			
yro (readings taken upwa	190.00	-87.14	193.91		193.91			

Relating Certificates

LabCode	Status	CertName	CertDate	Between	and	SampleGen
SGS	QC-NR	RL1302207	7/29/2013	39.50	200.00	0

Control Samples

SampleID	mFrom	mTo	SampleCode	SampleGen	Au_ppm	WtRecvd_kg	Au_CertName
89073	41.00	43.00	2-DUPF	0	0.07	3.30	RL1302207
89118	123.00	125.00	2-DUPF	0	0.03	3.00	RL1302207
89090	71.00	73.00	2-DUPL	0	0.04		RL1302207
89139	161.00	163.00	2-DUPL	0	0.04		RL1302207

89152	182.00	184.00	2-DUPL	0	0.01		RL1302207
89081	55.00	57.00	Blk-BL9	0	0.00	1.10	RL1302207
89144	171.00	171.00	Blk-BL9	0	0.00	1.30	RL1302207
89123	131.00	133.00	Std-6B-GS	0	6.43	0.10	RL1302207
89104	97.00	99.00	STD-LOW	0	0.32	0.05	RL1302207

Number of entries per table

Litho	Alt	Minz	Geotech	Struct	Vein	Photos	Scans
4	9	22	53	37	4	0	0

Project: SpringPole
Area: Not Recorded
Claim: nr

Gold Canyon
Program: 2013
Logger:

Hole name: SP13-214
Length (m): 200

Assays				Litho				
Depth (m)	SampleID	Au (ppm)	Ag (ppm)	Depth (m)	Lith1	Txtr2	Txtr2	Comments
39.50	No Data			39.50	No Data			
Certs= RL1302207								
41.00	89071	0.04	0.15					
43.00	89072	0.04	0.15					
45.00	89074	0.44	1.1					
47.00	89075	0.06	0.15					
49.00	89076	0.08	0.15					
51.00	89077	0.06	0.15					
53.00	89078	0.12	0.15					
55.00	89079	0.12	0.15					
57.00	89080	0.08	0.15					
59.00	89082	0.04	0.15					
61.00	89083	0.09	0.5					
63.00	89084	0.07						
65.00	89085	0.12	0.15					
67.00	89086	0.04	0.15					
69.00	89087	0.17	0.15					
71.00	89088	0.17	0.6					
73.00	89089	0.03	0.15					
75.00	89091	0.07	0.15					
77.00	89092	0.02	0.15					
79.00	89093	0.15	0.6					
81.00	89094	0.35	1.6					
83.00	89095	1.14	6.2					39.5m: Medium grained Andesite.
85.00	89096	0.03	0.15					40-60m: Dark grey, medium grained andesite. Strongly foliated fabric (50 degrees to core axis). Groundmass dominated with biotite
87.00	89097	0.87	3.3					alteration. Selective alteration zoning within groundmass (biotite and sericite/chlorite). Alteration affecting integrity of core (soft), and
89.00	89098	0.16	0.8					moderately leached. Biotite-altered zones associated with deep, vuggy intervals contained within foliation fabric. Large, 4mm-8mm
91.00	89099	0.07	0.5					calcite, visible within voids. Retrograde platy biotite with increased disseminated sulfides and pyrite. Leached and disjointed
93.00	89100	0.2	1					quartz/carbonate veinlets (about 4 per meter) with calcite crystals, retrograde platy biotite, and associated pyrite and sulfides. Most veins
95.00	89101	0.05	0.3					and veinlets occurring along foliation fabric, but occasionally cross-cutting.
97.00	89102	0.04	0.15					60-80m: SAA (40-60m). Alternating 10-15cm intervals of selective groundmass alterations. Moderate sericite-altered feldspars. Pyrite and
99.00	89103	0.05	0.15					sulfides concentrated along fractured seams. Weak iron oxides along fractured joints.
101.00	89105	0.06	0.4		AND	MGN		80-100m: SAA (60-80m). In biotite-rich groundmass, feldspars are less sericite-altered. Fractured surfaces and joints host calcite crystals.
103.00	89106	0.02	0.15					Deep vugs along joint surfaces. Mica stringers pervasive through groundmass with associated sulfides and pyrite.
105.00	89107	0.06	0.4					100-120m: SAA(80-100m).
								110-120m: Moderate increase in chlorite-alteration in groundmass. Especially present along joint surfaces.
								114m: 2-3mm magnetite blebs and concentrated pyrite and sulfides within leached carbonate veinlets.
								120-140m: SAA (100-120m). Feldspar grains more wispy and stretched along fabric foliation. Decreasing alteration across interval, except
								in rubbly and clay-rich zones. Competent calcite crystals in clay-rich groundmass.

Project: SpringPole
Area: Not Recorded
Claim: nr

Gold Canyon
Program: 2013
Logger:

Hole name: SP13-214
Length (m): 200

Assays				Litho				
Depth (m)	SampleID	Au (ppm)	Ag (ppm)	Depth (m)	Lith1	Txtr2	Txtr2	Comments
107.00	89108	0.18	0.8					in rubbly and clay-rich zones. Competent calcite crystals in clay-rich groundmass 128-130m: Quartz/carbonate veins 2-5cm with 1-2mm bladed retrograde biotite. Quartz is fractured and vuggy. 131-137m: Broken and rubbly. Clay-rich and moderately decomposed. Magnetite not pervasive through groundmass but instead associated with leached carbonate veinlets. Along fractured surfaces, 1mm calcite crystals (euhedral). Minor disseminated sulfides and pyrite. 140-160m: SAA(120-140m). Increased concentration of carbonate veinlets mostly along foliation fabric, moderately disjointed and offset. 146.2-146.8m: Decomposed fault gouge. Clay-rich and strongly altered (biotite and chlorite). 149m: Decreased consistency of foliation fabric. Feldspar grains irregularly plucked from groundmass. 156-160m: Increasing clay and intervals of gouge with irregular contacts to competent rock. Joint faces coated in chlorite.
109.00	89109	0.12	0.5					
111.00	89110	0.1	0.4					
113.00	89111	0.03						
115.00	89112	0.58	4.2					
117.00	89113	0.06	0.6					
119.00	89114	0.27	1.4					
121.00	89115	0.06	0.5					
123.00	89116	1.9	19.4					
125.00	89117	0.02	0.5					
127.00	89119	0.06	0.5					
129.00	89120	0.06	0.6					
131.00	89121	0.07	0.15					
133.00	89122	0.09	0.8					
135.00	89124	0.14	0.7					
137.00	89125	0.11	0.15					
139.00	89126	0.95	6					
141.00	89127	0.08	0.6					
143.00	89128	0.1	0.5					
145.00	89129	0.36	1.2					
147.00	89130	0.35	3.4					
149.00	89131	0.57	7.8					
151.00	89132	0.2	0.7					
153.00	89133	0.29	1.2					
155.00	89134	0.41	1.8					
157.00	89135	0.26	0.15					
159.00	89136	0.18	1.5					
161.00	89137	0.02	0.5	160.00				
163.00	89138	0.05	0.8					
165.00	89140	0.04	0.7					
167.00	89141	0.05	0.15					
169.00	89142	0.1	0.4		AND	CGN		160-178.5m: SAA (140-160m). Gradual shift to a coarser more foliated Andesite. Wispy, and mildly leached feldspar grains along fabric (1-2mm). Increasing chlorite alteration within groundmass. 166m: Fault gouge, clay-rich. Increased disseminated pyrite and sulfides. 172m: Long fractured surfaces along core axis. Covered with calcite crystals.
171.00	89143	0.06	0.15					
173.00	89145	0.27	0.8					

Project: SpringPole
Area: Not Recorded
Claim: nr

Gold Canyon
Program: 2013
Logger:

Hole name: SP13-214
Length (m): 200

Assays				Litho				
Depth (m)	SampleID	Au (ppm)	Ag (ppm)	Depth (m)	Lith1	Txtr2	Txtr2	Comments
175.00	89146	0.12	0.7					
177.00	89147	0.02	0.5					
178.50	89148	0.03	0.4	178.50				
180.00	89149	0.01	0.5					178.5m: Contacts with fault gouge material (5cm).
182.00	89150	0.01			POR			180-186.2m: Moderately pervasive sericite-alteration through groundmass with overprinted potassic alteration. Weak to moderate potassic alteration of 5mm-1cm. Feldspar grains. Microfractures with no apparent strain direction. Mildly disseminated and cubic pyrite and sulfides. Weak stockwork veining and leaching. Sharp lower contact (50 degrees to core axis).
184.00	89151	0.01	0.4					
186.20	89153	0.02	0.5	186.20				
188.00	89154	0.08	0.7					
190.00	89155	0.17	0.4					
192.00	89156	0.03	0.15					
194.00	89157	0.04	0.15		AND	MGN		186.2-200m: Varying coarse to medium grained wispy/elongate feldspar grains in dark grey andesite. Pervasive low-angle fractures to core axis with gouge material and competent calcite crystals.
196.00	89158	0.04	0.5					
198.00	89159	0.1	0.6					
200.00	89160	0.03	0.15	200.00				

Project: SpringPole
Area: Not Recorded

Gold Canyon
Program: 2013
Logger:

Hole name: SP13-214
Length (m): 200

Mineralization

mFrom	mTo	Pyrite_Pct	Min1	Min1_Pct	Min2	Min2_Pct	Comments
39.50	45.00	0.5					
45.00	47.00	0.5					
47.00	51.00	0.5					
51.00	53.00	0.5					
53.00	56.00	0.5	CHP	0.5			
56.00	59.00	3					
59.00	65.00	0.5					
65.00	80.00	3					
80.00	114.00	0.5					
114.00	116.00	7.5	Mag	3			
116.00	125.00	3					
125.00	131.00	0.5					
131.00	138.00	0.5					
138.00	145.00	0.5					
145.00	153.00	0.5					
153.00	156.00	3					
156.00	166.00	0.5					
166.00	178.50	3					
178.50	182.00	0.5					
182.00	186.20	3					
186.20	191.00	3					
191.00	200.00	0.5					

Project: SpringPole
Area: Not Recorded

Gold Canyon
Program: 2013
Logger:

Hole name: SP13-214
Length (m): 200

Veins

mDepth	mWidth	Vein1	Vein1_AlphaAngle	Vein1_Min1	Vein1_Min2	Vein1_Min3	Comments
53.50	0.05	QTZ					53.5m: Quartz/carbonate vein. Irregular intercept
54.00	0.05	CAR		S			54m: Bull quartz vein, mostly carbonate-replaced and subsequently leached. Well-formed calcite crystals along fractured surfaces. Feldspar completely sericite-altered and dissolved.
113.00	0.00	CAR	60	C	B		cross-cutting pink calcite vein.
155.00	0.02	QTZ	65	Q			65 degrees to core axis, quartz vein with bladed tourmaline

Project: SpringPole
Area: Not Recorded

Gold Canyon
Program: 2013
Logger:

Hole name: SP13-214
Length (m): 200

Alteration

mFrom	mTo	Alt1	Int	Alt2	Int	Alt3	Int	Alt4	Int	Comments
39.50	40.00	BIO	3							
40.00	110.00	BIO	3	SER	2					
110.00	120.00	BIO	3	CHL	2					
120.00	149.00	BIO	3							
149.00	160.00	BIO	2	SER	1					
160.00	166.00	BIO	3	SER	1					
166.00	178.50	BIO	3	CHL	2					
178.50	186.20	SER	3	POT	2					
186.20	200.00	BIO	3	SER	1					

Project: SpringPole
Area: Not Recorded

Gold Canyon
Program: 2013
Logger:

Hole name: SP13-214
Length (m): 200

Color

mFrom	mTo	Color1	Int	Color2	Comments
39.50	166.00	GRY	DK		
166.00	178.50	GRY	DK	GRN	
178.50	186.20	GRN	LT	PNK	
186.20	200.00	GRY	DK		

Project: SpringPole
Area: Not Recorded

Gold Canyon
Program: 2013
Logger:

Hole name: SP13-214
Length (m): 200

Carbonate and Void Space

mFrom	mTo	Void_pctCod	Carb_IntCode	Comments
39.50	56.00	1	1	
56.00	58.00	2	0	
58.00	88.00	1	1	
88.00	92.00	2	1	
92.00	96.00	1	1	
96.00	97.00	2	1	
97.00	106.00	1	1	
106.00	111.00	3	1	
111.00	115.00	2	2	
115.00	122.00	3	1	
122.00	125.00	1	1	
125.00	131.00	2	1	
131.00	145.00	3	1	
145.00	149.00	2	1	
149.00	153.00	1	1	
153.00	155.00	2	2	
155.00	160.00	2	1	
160.00	168.00	3	1	
168.00	174.00	1	2	
174.00	176.00	3	1	
176.00	178.20	1	1	
178.20	186.20	2	1	
186.20	194.00	1	0	
194.00	200.00	1	1	

Project: SpringPole
Area: Not Recorded

Gold Canyon
Program: 2013
Logger:

Hole name: SP13-214
Length (m): 200

Geotech

mFrom	mTo	Recov_m	Recov_pct	RQD_m	RQD_pct	StrengthCo	Comments
41.00	44.00	2.8	93.3	2.1	70	6	
44.00	47.00	2.9	96.7	1.1	36.7	6	
47.00	50.00	2.9	96.7	1.1	36.7	8	
50.00	53.00	2.7	90	1.1	36.7	6	
53.00	56.00	2.8	93.3	2.1	70	4	
56.00	59.00	2.1	70	0.6	20	6	
59.00	62.00	2.8	93.3	1.8	60	6	
62.00	65.00	2.8	93.3	2.2	73.3	7	
65.00	68.00	2.8	93.3	1.9	63.3	7	
68.00	71.00	2.9	96.7	1.5	50	6	
71.00	74.00	2.9	96.7	1.3	43.3	6	
74.00	77.00	3	100	2	66.7	6	
77.00	80.00	2.9	96.7	1.6	53.3	6	
80.00	83.00	0.9	30	1.1	36.7	6	
83.00	86.00	3	100	1.8	60	5	
86.00	89.00	2.8	93.3	1	33.3	5	
89.00	92.00	0.2	6.7	0.8	26.7	6	
92.00	95.00	2.9	96.7	1.7	56.7	6	
95.00	98.00	3	100	1.4	46.7	6	
98.00	101.00	3	100	2.3	76.7	5	
101.00	104.00	2.9	96.7	2.4	80	4	
104.00	107.00	2.6	86.7	0	0	4	
107.00	110.00	3	100	1.5	50	5	
110.00	113.00	3.2	106.7	1	33.3	5	
113.00	116.00	3.2	106.7	0.9	30	5	
116.00	119.00	2.9	96.7	0	0	5	
119.00	122.00	3	100	0.2	6.7	6	
122.00	125.00	3	100	1.2	40	6	
125.00	128.00	3	100	1.6	53.3	7	
128.00	131.00	2.8	93.3	0.7	23.3	7	
131.00	134.00	2.6	86.7	0	0	4	
134.00	137.00	1.9	63.3	0.1	3.3	4	
137.00	140.00	2.6	86.7	1.6	53.3	6	

Project: SpringPole
Area: Not Recorded

Gold Canyon
Program: 2013
Logger:

Hole name: SP13-214
Length (m): 200

Geotech

mFrom	mTo	Recov_m	Recov_pct	RQD_m	RQD_pct	StrengthCo	Comments
140.00	143.00	2.5	83.3	0.6	20	6	
143.00	146.00	2.8	93.3	0.6	20	6	
146.00	149.00	2.6	86.7	1.8	60	7	
149.00	152.00	2.9	96.7	2.3	76.7	7	
152.00	155.00	2.2	73.3	2	66.7	7	
155.00	158.00	2.2	73.3	1.1	36.7	5	
158.00	161.00	2.4	80	1.1	36.7	4	
161.00	164.00	2.4	80	0.7	23.3	5	
164.00	167.00	2.5	83.3	0.5	16.7	4	
167.00	170.00	2.8	93.3	1.3	43.3	6	
170.00	173.00	2.9	96.7	1.7	56.7	6	
173.00	176.00	2	66.7	0.2	6.7	5	
176.00	179.00	3	100	1.4	46.7	7	
179.00	182.00	2.4	80	0.7	23.3	7	
182.00	185.00	2.6	86.7	1.5	50	7	
185.00	188.00	2.9	96.7	1.3	43.3	6	
188.00	191.00	3	100	2.8	93.3	6	
191.00	194.00	2.8	93.3	1.7	56.7	6	
194.00	197.00	3	100	0.4	13.3	6	
197.00	200.00	2.4	80	0.4	13.3	6	EOH @200m.

Gold Canyon

Project	SpringPole	*Program*	2013	*Hole name*	**SP13-215**
Area	Not Recorded	*Hole Type*	Diamond Drill	*Length (m)*	179
Claim	nr			*Size*	HQ
Drill Contractor	Rodren	*Other Hole name*		*Data Origin*	GEO4-LENOVO
Drill Rig	1	*Cassing Pulled*	Unknown	*Data Date*	7/25/2013
Date Started	7/5/2013	*Cassing (m)*		*Data BY*	Geology
Date Finished	7/7/2013				
Logger	Ashley Ripple	*Log Date*	7/8/2013		
Target	Site: B500				
Hole Comments					
Collar survey Date	7/5/2013	*Survey By*	Eli Friedman	*Method*	Trimble R8
Survey Notes					

Collar coordinates

Grid	Name	x	Y	z	Az	Dip
Original	UTM84-15N	549,285.58	5,693,722.64	391.44	0.00	-90.00
Preferred	UTM84-15N	549,285.58	5,693,722.64	391.44	0.00	
Local						
Lat Long						

Down-hole surveys

SurveyDHDesc	mDepth	Dip	AzOrig	AzLocal	AzPref	AzMag	MagField	Remarks
yro (readings taken upwa	0.00	-89.52	60.50		60.50			
yro (readings taken upwa	10.00	-89.89	49.67		49.67			
yro (readings taken upwa	20.00	-89.70	44.95		44.95			
yro (readings taken upwa	30.00	-89.32	61.16		61.16			
yro (readings taken upwa	40.00	-89.00	84.05		84.05			
yro (readings taken upwa	50.00	-88.62	89.46		89.46			
yro (readings taken upwa	60.00	-88.56	99.81		99.81			
yro (readings taken upwa	70.00	-88.76	99.03		99.03			
yro (readings taken upwa	80.00	-88.83	94.22		94.22			
yro (readings taken upwa	90.00	-88.68	100.52		100.52			
yro (readings taken upwa	100.00	-88.55	106.00		106.00			
yro (readings taken upwa	110.00	-88.37	114.55		114.55			
yro (readings taken upwa	120.00	-88.45	119.61		119.61			
yro (readings taken upwa	130.00	-88.58	117.24		117.24			
yro (readings taken upwa	140.00	-88.61	120.93		120.93			
yro (readings taken upwa	150.00	-88.46	118.69		118.69			
yro (readings taken upwa	160.00	-88.39	121.68		121.68			
yro (readings taken upwa	170.00	-88.51	124.72		124.72			

Relating Certificates

LabCode	Status	CertName	CertDate	Between	and	SampleGen
SGS	QC-NR	RL1302213	7/29/2013	64.00	179.00	0

Control Samples

SampleID	mFrom	mTo	SampleCode	SampleGen	Au_ppm	WtRecvd_kg	Au_CertName
88764	105.00	107.00	2-DUPL	0	0.12		RL1302213
88772	119.00	121.00	2-DUPL	0	0.15		RL1302213
88795	158.00	159.60	2-DUPL	0	0.54		RL1302213
88756	90.90	93.00	Blk-BL9	0	0.00	1.10	RL1302213
88804	173.00	175.00	Blk-BL9	0	0.03	1.20	RL1302213
88783	138.00	140.00	Std-1G-GS	0	1.07	0.10	RL1302213

88747	76.00	78.00	STD-MID	0	0.75	0.05	RL1302213

Number of entries per table

Litho	Alt	Minz	Geotech	Struct	Vein	Photos	Scans
10	7	19	41	23	2	0	0

Project: SpringPole
Area: Not Recorded
Claim: nr

Gold Canyon
Program: 2013
Logger: Ashley Ripple

Hole name: SP13-215
Length (m): 179

Assays				Litho				
Depth (m)	SampleID	Au (ppm)	Ag (ppm)	Depth (m)	Lith1	Txtr2	Txtr2	Comments
				49.60	WTR			Water Depth; no recovery
64.00	loSampleSprgP18			64.00	OBN			Poor recovery/overburden. 49.6 m Diorite (?) with salt and pepper texture. 50-64 m Pink-Red granitic re-drill and coarse sand
Certs= RL1302213								
66.00	88740	0.15	0.3					Changed from Andesite to Trachyte based on Jims email dated 10 Feb 2014. ~KDB
68.00	88741	0.17	0.15					Original Log
70.00	88742	0.47	0.5					64-90.9 m Medium to fine grained (1-5mm) dark grey Andesite (possible Trachyte). Phenocrysts are white, relict (partially replaced by sericite/argillic alteration) with splinter shape. Sulfides are finely disseminated in variable amounts; amount of sulfides depends on the type and extent of alteration. Moderate sericite/argillic alteration that is pervasive with weak biotite alteration that occurs as stringers 1-3 mm wide throughout the groundmass. Increase of sulfides with an increase of biotite alteration. Overall veins are rare.
72.00	88743	0.1	0.15		TRA	FGN		
74.00	88744	0.13	0.15					64-67 m Very weak void space.
76.00	88745	0.01	0.15					64-74 m Core is broken ~0.2m average length.
78.00	88746	0.02	0.15					64-72 m Sporadic, weak to moderate magnetism with zones 0.2-0.5 m with no magnetism.
80.00	88748	0.07	0.4	80.00				67-73 m Moderate void space 71 m Moderate foliation with an increase number of breaks on cleavage planes
82.00	88749	0.16	0.15					Changed from Andesite to Trachyte based on Jims email dated 10 Feb 2014. ~KDB
84.00	88750	0.17	0.15					Original Log
86.00	88751	0.07	0.15					80-90.9 m Core is the same Andesite as described up-hole but it is becoming more brecciated. Clasts are several centimeters in size, rounded and elongated (sheared). Breccia is monolithic (same matrix as clasts).
88.00	88752	0.05	0.15		TRA	FGN	BX	80-82 m Increase of finely disseminated pyrite with dominate concentrations on joint/fracture surfaces.
89.00	88753	0.45	0.15					82 m Irregular quartz-tourmaline vein. Vein isn't continuous. Tourmaline has 2 styles: massive and thin 1-3mm splinters. 83.7 m Irregular, vuggy white-light grey quartz vein.
90.90	88754	0.005	0.15	90.90				84-85 m 7 white 3-10mm quartz veins with vugs. Some veins have fine biotite rims.
93.00	88755	0.18	0.3					
95.00	88757	0.17	0.15					90.9-115 m Fine grained to medium grained (1-5 mm) Trachyte (possible that it is a continuation of the Andesite but phenocrysts are more dominant and there is no greenstone alteration). Phenocrysts are white to tan, equant. Some zones appear to have weak foliation but fabric isn't continuous. Sulfides are finely disseminated. There are no veins present. Alteration is similar to unit up-hole but there is a slight increase of biotite alterations (concentrated in vugs). The upper contact with Andesite is gradational.
97.00	88758	0.47	0.15					
99.00	88759	0.04	0.15					
101.00	88760	0.11	0.15					94 m Phenocrysts are more dense and one average more medium grained.
103.00	88761	0.2	0.15		TRA	MGN		97.5 m 0.1 m localized zone with black tourmaline (?) as crustiform coating on joint/fracture surface.
105.00	88762	0.19	0.3					~104 m Xenolith/clast with phenocrysts that appear light pink in color. Clast is dark grey to black with glass appearance. Contacts are unclear. Clast is several centimeters in size.
107.00	88763	0.05	0.15					~107 m Core becomes darker grey as a result of increase biotite alteration. Biotite is becoming more pervasive in groundmass with higher concentrations in vugs, joints, and fractures with finely disseminated pyrite.
109.00	88765	0.17	0.5					~111.9 m 1 cm Seam of "mush" with 10% finely disseminated pyrite.
111.00	88766	0.13	0.15					113.1 m Fracture surface with shearing or slickenlines present.
113.00	88767	0.08	0.4					~113.5 m 0.1 m zone of tan-cream, moderately hard (~5), unknown massive mineral with broken quartz fragments and 5-10% disseminated pyrite.
115.00	88768	0.11	0.15	115.00				
117.00	88769	0.54	2.6					
119.00	88770	0.27	1					115-136.5m Core losses appearance of phenocrysts. Core is aphanitic but other characteristics are the same as the Trachyte from 90.9-115 m.
121.00	88771	0.15	0.7					115-124 m No magnetism
123.00	88773	0.16	0.5					~122 m Pink irregular/discontinuous quartz vein

Project: SpringPole
Area: Not Recorded
Claim: nr

Gold Canyon
Program: 2013
Logger: Ashley Ripple

Hole name: SP13-215
Length (m): 179

Assays				Litho				
Depth (m)	SampleID	Au (ppm)	Ag (ppm)	Depth (m)	Lith1	Txtr2	Txtr2	Comments
125.00	88774	0.11	0.3					122 m Pink irregular/discontinuous quartz vein.
127.00	88775	0.09	0.15		TRA	APH		124-125 m 1-4 mm cubic pyrite grains on joint surfaces. 124-125 m Weak to moderate magnetism.
129.00	88776	0.13	0.15					125-131 m No magnetism.
131.00	88777	0.27	0.8					~128-130 m Faint appearance of medium grained phenocrysts, white 3-5mm. 131-136.5 Weak to moderate Magnetism, variable due to broken nature of the core.
133.00	88778	0.35	0.8					133.6 m Partially assimilated xenolith/clast of pink to red porphyry. Clast size and shape difficult to determine because of the broken nature of the core.
135.00	88779	0.43	3					
136.50	88780	0.15	0.5	136.50				
138.00	88781	0.07	0.15					136.5-148.1 m Coarse grained to megacrystic Feldspar Porphyry. Upper contact is sharp but broken. Core is white to light grey to light green. Feldspar grains are white-salmon-light pink, some are zoned, and are 5-20 mm in size. Most are equant but some appear broken/cubic. There is a fine brittle crackle breccia texture overprint with 1-3 mm sericite infill. Alteration is argillic/sericite moderate and pervasive with minor potassic (?) alteration of phenocrysts and adjacent core to phenocrysts. Sulfides are less abundant but still finely disseminated (trace). No veins. 144-179 m Core weakly increases in competency with average length of 0.1-0.2 m. 145-159.5 m Decrease in void space and vugs (weak to rare). 147.5-148.1 m Increase of sericite/argillic alteration (increase of “bleaching”) at contact with Lamp Dike. Feldspars become stretched and
140.00	88782	0.11	0.5					
142.00	88784	0.13	0.6		POR	MEG	KBX	
144.00	88785	0.17	0.8					
146.00	88786	0.04	0.15					
148.10	88787	0.03	0.4	148.10				
149.20	88788	0.04	0.15	149.20	LAM	APH		148.1-149.2 m Black Lamp Dike with sharp contacts (upper contact is 50 degrees, lower contact is 45 degrees). Dike is aphanitic and heavily altered with biotite and argillic alteration. Entire zone is rubble (average length is 5 cm).
151.00	88789	0.1	0.15					
153.00	88790	0.28	0.4					149.2-159.6 m Aphanitic to fine grained, extremely altered trachyte. Upper contact is marked by bleaching and brecciation (matrix/trachyte dominate) with rounded clasts 1-2 cm. Breccia is 0.2 m thick. Overall trachyte is mottled grey-green0pink-white. Some moderate foliation is apparent. Sulfides are still finely disseminated ~1% with higher concentration in bleached zones. 158-159.6 m Moderate to strong Magnetism; confined to less altered trachyte zones.
155.00	88791	2.54	5.7		TRA	APH		
157.00	88792	0.27	0.5					
158.00	88793	0.14	0.15					
159.60	88794	0.43	0.9	159.60				
161.00	88796	0.04	0.15					
163.00	88797	0.02	0.15					159.6-179 m Megacrystic feldspar porphyry (same as unit described from 136.5-148.1 m). 159-167 m Weak increase of void space. Vugs range in size from 3-20 mm with no infill. Most voids seem to be concentrated around feldspar grains (dissolved out?). 159.6-179 m No magnetism 159.7 m Open vug with euhedral white-light grey translucent quartz. 167-179 m Weak voids/vugs. 170-179 m Weak reaction to 10% HCl; reactions are concentrated around rims of white feldspars (partial carbonate replacement). 170.1-170.5 m Clast of aphanitic trachyte. ~173179 m Core is same as above but feldspar are smaller (5-10 mm) and appear more broken.
165.00	88798	0.03	0.15					
167.00	88799	0.13	1.4					
169.00	88800	0.06	0.3		POR	MEG	KBX	
171.00	88801	0.04	0.3					
173.00	88802	0.24	2.4					
175.00	88803	0.25	3.9					
177.00	88805	0.17	1.3					
179.00	88806	0.27	1.4	179.00				

Project: SpringPole
Area: Not Recorded

Gold Canyon
Program: 2013
Logger: Ashley Ripple

Hole name: SP13-215
Length (m): 179

Mineralization

mFrom	mTo	Pyrite_Pct	Min1	Min1_Pct	Min2	Min2_Pct	Comments
64.00	71.00	3					
71.00	72.00	0.5					
72.00	78.00	0.5					
78.00	79.00	0.5	TOU	3			
79.00	80.00	0.5					
80.00	82.00	3					
82.00	83.00	0.5	TOU	0.5			
83.00	97.00	0.5					
97.00	98.00	0.5	TOU	0.5			
98.00	107.00	0.5					
107.00	115.00	3					
115.00	124.00	3					
124.00	125.00	3					
125.00	131.00	3					
131.00	136.50	3					
136.50	149.20	0.5					
149.20	158.00	3					
158.00	159.60	3					
159.60	179.00	0.5					

Project: SpringPole
Area: Not Recorded

Gold Canyon
Program: 2013
Logger: Ashley Ripple

Hole name: SP13-215
Length (m): 179

Veins

mDepth	mWidth	Vein1	Vein1_AlphaAngle	Vein1_Min1	Vein1_Min2	Vein1_Min3	Comments
83.70	0.05	QTZ	35				83.7 m Irregular, vuggy white to light grey quartz vein
84.00	0.00	QTZ	35				84-85 m 7 white 3-10mm quartz veins with vugs. Some veins have fine biotite rims.

Project: SpringPole
Area: Not Recorded

Gold Canyon
Program: 2013
Logger: Ashley Ripple

Hole name: SP13-215
Length (m): 179

Alteration

mFrom	mTo	Alt1	Int	Alt2	Int	Alt3	Int	Alt4	Int	Comments
64.00	90.90	SER	3	ARG	3	BIO	1			
90.90	107.00	SER	3	ARG	3	BIO	2			
107.00	136.50	SER	3	BIO	3					
136.50	148.10	SER	3	ARG	3	KSP	1			
148.10	149.20	BIO	4	ARG	3					
149.20	159.60	SER	3	ARG	3	BIO	1			
159.60	179.00	SER	3	KSP	1					

Project: SpringPole
Area: Not Recorded

Gold Canyon
Program: 2013
Logger: Ashley Ripple

Hole name: SP13-215
Length (m): 179

Color

mFrom	mTo	Color1	Int	Color2	Comments
64.00	90.90	GRY	DK		
90.90	107.00	GRY	MD		
107.00	136.50	GRY	DK		
136.50	148.10	WHT	LT	GRY	
148.10	149.20	BLK			
149.20	159.60	GRY	MD	GRN	
159.60	179.00	GRN	MD	GRY	

Project: SpringPole
Area: Not Recorded

Gold Canyon
Program: 2013
Logger: Ashley Ripple

Hole name: SP13-215
Length (m): 179

Carbonate and Void Space

mFrom	mTo	Void_pctCod	Carb_IntCode	Comments
0.00	64.00			
64.00	67.00	1	0	
67.00	73.00	3	0	
73.00	89.00	2	0	
89.00	145.00	3	0	
145.00	159.60	2	0	
159.60	167.00	3	0	
167.00	170.00	2	0	
170.00	179.00	2	1	

Project: SpringPole
Area: Not Recorded

Gold Canyon
Program: 2013
Logger: Ashley Ripple

Hole name: SP13-215
Length (m): 179

Geotech

mFrom	mTo	Recov_m	Recov_pct	RQD_m	RQD_pct	StrengthCo	Comments
47.00	50.00	0.3	10	0.22	7.3	8	
50.00	62.00	0.7	5.8	0	0	1	
62.00	65.00	1.2	40	1	33.3	5	
65.00	68.00	2.7	90	1.8	60	5	
68.00	71.00	2.7	90	1.7	56.7	5	
71.00	74.00	2.7	90	1.1	36.7	5	
74.00	77.00	2.8	93.3	1.9	63.3	5	
77.00	80.00	3	100	2.5	83.3	5	
80.00	83.00	2.9	96.7	2	66.7	5	
83.00	86.00	3.1	103.3	2.9	96.7	5	
86.00	89.00	2.8	93.3	2.6	86.7	5	
89.00	92.00	2.9	96.7	2.5	83.3	5	
92.00	95.00	3	100	1.6	53.3	5	
95.00	98.00	3	100	0.9	30	5	
98.00	101.00	2.5	83.3	0	0	5	
101.00	104.00	2.8	93.3	0	0	5	
104.00	107.00	2.8	93.3	0	0	5	
107.00	110.00	2.3	76.7	0	0	5	
110.00	113.00	3	100	0	0	5	
113.00	116.00	3	100	0	0	5	
116.00	119.00	3.2	106.7	1.2	40	5	
119.00	122.00	3	100	0.2	6.7	5	
122.00	125.00	3	100	0.2	6.7	5	
125.00	128.00	3	100	0	0	4	
128.00	131.00	3	100	0.1	3.3	5	
131.00	134.00	3	100	0.5	16.7	5	
134.00	137.00	2.6	86.7	0.8	26.7	5	
137.00	140.00	2.8	93.3	1.8	60	5	
140.00	143.00	3	100	0.1	3.3	5	
143.00	146.00	3	100	1.3	43.3	5	
146.00	149.00	2.5	83.3	1.3	43.3	5	
149.00	152.00	3	100	0.8	26.7	5	
152.00	155.00	2.7	90	1.1	36.7	5	

Project: SpringPole
Area: Not Recorded

Gold Canyon
Program: 2013
Logger: Ashley Ripple

Hole name: SP13-215
Length (m): 179

Geotech

mFrom	mTo	Recov_m	Recov_pct	RQD_m	RQD_pct	StrengthCo	Comments
155.00	158.00	2.6	86.7	0	0	4	
158.00	161.00	3.1	103.3	1	33.3	5	
161.00	164.00	2.9	96.7	2.8	93.3	6	
164.00	167.00	3	100	2	66.7	5	
167.00	170.00	2.9	96.7	2.4	80	6	
170.00	173.00	1.4	46.7	1.4	46.7	5	
173.00	176.00	1.3	43.3	1.3	43.3	5	
176.00	179.00	1.6	53.3	1.6	53.3	5	

Gold Canyon

Project	SpringPole			*Hole name*	**SP13-216**
Area	Not Recorded	*Program*	2013	*Length (m)*	155
Claim	nr	*Hole Type*	Diamond Drill	*Size*	HQ
Drill Contractor	Rodren	*Other Hole name*		*Data Origin*	GEO4-LENOVO
Drill Rig		*Cassing Pulled*	Unknown	*Data Date*	7/25/2013
Date Started	7/6/2013	*Cassing (m)*		*Data BY*	Geology
Date Finished	7/9/2013				
Logger	Eli Friedman	*Log Date*	7/7/2013		
Target	Site: B252B				
Hole Comments					
Collar survey Date	7/7/2013	*Survey By*	Eli Friedman	*Method*	Trimble R8
Survey Notes					

Collar coordinates

Grid	Name	x	Y	z	Az	Dip
Original	UTM84-15N	549,538.21	5,693,638.98	391.52	0.00	-90.00
Preferred	UTM84-15N	549,538.21	5,693,638.98	391.52	0.00	
Local						
Lat Long						

Down-hole surveys

SurveyDHDesc	mDepth	Dip	AzOrig	AzLocal	AzPref	AzMag	MagField	Remarks
yro (readings taken upwa	0.00	-89.11	92.11		92.11			
yro (readings taken upwa	10.00	-89.03	105.00		105.00			
yro (readings taken upwa	20.00	-89.11	99.38		99.38			
yro (readings taken upwa	30.00	-88.79	119.60		119.60			
yro (readings taken upwa	40.00	-88.68	133.25		133.25			
yro (readings taken upwa	50.00	-88.73	138.35		138.35			
yro (readings taken upwa	60.00	-88.65	145.27		145.27			
yro (readings taken upwa	70.00	-88.62	146.96		146.96			
yro (readings taken upwa	80.00	-88.69	138.07		138.07			
yro (readings taken upwa	90.00	-88.62	152.66		152.66			
yro (readings taken upwa	100.00	-88.53	161.70		161.70			
yro (readings taken upwa	110.00	-88.46	146.93		146.93			
yro (readings taken upwa	120.00	-88.56	148.11		148.11			
yro (readings taken upwa	130.00	-88.41	152.63		152.63			
yro (readings taken upwa	140.00	-88.41	167.05		167.05			

Relating Certificates

LabCode	Status	CertName	CertDate	Between	and	SampleGen
SGS	QC-NR	RL1302214	7/31/2013	34.00	114.00	0
SGS	QC-NR	RL1302221	8/1/2013	114.00	155.00	0

Control Samples

SampleID	mFrom	mTo	SampleCode	SampleGen	Au_ppm	WtRecvd_kg	Au_CertName
89173	54.00	56.00	2-DUPF	0	0.23	3.00	RL1302214
89205	116.00	118.00	2-DUPF	0	0.19	3.50	RL1302221
89196	100.00	102.00	2-DUPL	0	0.85		RL1302214
89185	79.00	81.00	Blk-BL9	0	0.00	1.20	RL1302214
89212	128.00	130.00	STD-LOW	0	0.32	0.05	RL1302221
89168	46.00	48.00	STD-MID	0	0.76	0.05	RL1302214

Number of entries per table

Litho	Alt	Minz	Geotech	Struct	Vein	Photos	Scans
7	9	12	42	16	0	0	0

Project: SpringPole
Area: Not Recorded
Claim: nr

Gold Canyon
Program: 2013
Logger: Eli Friedman

Hole name: SP13-216
Length (m): 155

Assays				Litho				
Depth (m)	SampleID	Au (ppm)	Ag (ppm)	Depth (m)	Lith1	Txtr2	Txtr2	Comments
34.00	No Data			26.00	No Data			
Certs= RL1302214								
36.00	89161	0.08	0.5					
38.00	89162	0.11	0.7					
40.00	89163	0.08	1.7					
42.00	89164	0.94	3.9					
44.00	89165	0.3	0.9					
46.00	89166	0.12	0.5					34-40m: Moderate to strongly decomposed, clay-rich, sericite-altered porphyry. Pervasive sericite alteration through groundmass. Feldspar grains 5mm-2cm, highly fractured and argillized. Weak pyrite and sulfides.
48.00	89167	0.15	0.5					40-60m: SAA(34-40m). Feldspars severely fractured along cleavage planes. Moderately developed Carbonate stockwork veining with
50.00	89169	0.21	0.7					marginal sulfides and pyrite.
52.00	89170	0.23	0.8		POR	DEC		47m: Shift in secondary alteration to biotite. Retrograde biotite along joint surfaces. Very clay-rich and brittle. Sericite alteration still very
54.00	89171	0.32	1					strong through groundmass.
56.00	89172	0.2	0.8					55m: 1cm bleb of Fluorite on surface of core. Seems to be associated with groundmass, or at margins of large feldspars. Dark purple.
59.00	89174	0.57	7					60-67m: SAA(40-60m)
61.00	89175	0.18	1.1					
63.00	89176	0.44	2.8					
65.00	89177	0.36	2.4					
67.00	89178	0.2	0.7	67.00				
69.00	89179	1.57	11.8					
71.00	89180	1.81	10.7					
74.00	89181	0.74	5.2					67m: 15-20cm chillzone contact with continuing decomposition and brecciation over 1-2m. Moderately disseminated sulfides and pyrite in
77.00	89182	1.22	5.1		TRA	APH		black/aphanitic groundmass. Deep vugs and voids. Non-magnetic to slightly magnetic. Groundmass strongly carbonate-leached except for
79.00	89183	1.58	5.3					less than 1mm calcite crystals on fractured and rubble surfaces. Sulfides and pyrite slightly better formed when associated with carbonate
81.00	89184	1.49	5.8					minerals. Mild to moderate black/white clays.
83.00	89186	0.86	1.9	82.00				74-76m: Heavily concentrated pyrite infilling leached carbonate veinlets and vugs.
85.00	89187	1.05	3					
87.00	89188	1.85	6.3					
89.00	89189	1.54	5		TRA	FGN		82-94m: 2-4mm feldspar grains (wispy and milky white) faintly visible against dark/aphanitic groundmass. Pyrite and sulfides finely
91.00	89190	1.03	2.5					disseminated throughout groundmass, but in denser concentration along irregular leached veinlets and infilling viods. Alternating intervals
93.00	89191	1.46	1.1					of broken/rubble zone with increased clay content.
95.00	89192	1.69	3.1	94.00				
97.00	89193	0.92	4.1					
100.00	89194	0.15	1.5					

Project: SpringPole
Area: Not Recorded
Claim: nr

Gold Canyon
Program: 2013
Logger: Eli Friedman

Hole name: SP13-216
Length (m): 155

Assays				Litho				
Depth (m)	SampleID	Au (ppm)	Ag (ppm)	Depth (m)	Lith1	Txtr2	Txtr2	Comments
102.00	89195	0.78	3.7					
104.00	89197	2.28	4.7					94m: Gradational contact/mixing zone of breccia porphyry in dominately aphanitic trachyte matrix-- over about 20m.
106.00	89198	1.09	7.9		TRA	CBX		94-100m: Increasing clay content through groundmass. Bluish hue in groundmass surrounding broken felsapr grains. Weak and decomposed contact between porphyry clasts and groundmass. Strong biotite alteration and moderately argillized.
108.00	89199	1.05	7.2					100-116m: SAA(94-100m). Broken and rubbly, clay-rich with moderately to strong pyrite and sulfides finely disseminated. Increasingly decomposed across interval.
110.00	89200	1.08	1.6					
112.00	89201	0.21	1.6					
114.00	89202	0.16	1.1					
Certs= RL1302221								
116.00	89203	0.5	3.1	116.00				
118.00	89204	0.28	2.3		POR			116-120.5m: Leached and vuggy porphyry dyke with breccia Contact over about 15cm. Strong sericite alteration of feldspar grains and leaching into groundmass with pyrite and sulfides along grain margins. 117m: Minor Galena crystals within voids.
120.50	89206	0.18	2.4	120.50				Lime-green clays infilling microfractures in feldspars and in groundmass
122.00	89207	0.22	1.6					
124.00	89208	0.4	3.5					
126.00	89209	1.06	7.4					
128.00	89210	0.93	7.7					
130.00	89211	1.2	5.6					
132.00	89213	0.77	1.6					
134.00	89214	1.53	4.7					120.5-140m: Strongly sheared and broken lower contact. 3-4 m breccia zone of densely-packed rounded porphyry clasts. Offset by low-angle shearing associated with heavily altered mica seams bearing concentrated pyrite and sulfides. Pervasive bluish hue. Clast density thinning across interval with concentrated pockets of pyrite and sulfides infilling in void space within black/aphanitic groundmass. Bluish alteration hue on relic feldspar grains. Clasts are oblong and elongate with weak chill margins visible where CONs are not already leached. Minor bladed biotite (less than 1mm) infilling larger void space.
136.00	89215	0.9	2.4					
138.00	89216	0.74	2.3		TRA	CBX		
140.00	89217	0.76	1.3					140-145m: SAA (120.5-140m)
142.00	89218	0.69	1.2					145-155m: Sandy,broken/rubbly. Sam composition as above with increased decomposition and clays. Pyrite and sulfides have settled to the bottom of core box in dark black sands intermixed with feldspar fragments. Clasts increasingly unaltered.
144.00	89219	0.5	0.9					EOH at 155m.
146.00	89220	1.19	0.7					
148.00	89221	0.92	1.3					
150.00	89222	0.62	1.9					
152.00	89223	0.18	0.9					
153.00	89224	0.16	0.8					
155.00	89225	0.15	0.8	155.00				

Project: SpringPole
Area: Not Recorded

Gold Canyon
Program: 2013
Logger: Eli Friedman

Hole name: SP13-216
Length (m): 155

Mineralization

mFrom	mTo	Pyrite_Pct	Min1	Min1_Pct	Min2	Min2_Pct	Comments
34.00	44.00	0.5					
44.00	48.00	3					
48.00	56.00	3	FLU	0.5			
56.00	67.00	0.5					
67.00	74.00	3					
74.00	76.00	15					
76.00	94.00	7.5					
94.00	104.00	3					
104.00	116.00	7.5					
116.00	120.50	3	GAL	0.5			
120.50	145.00	7.5					
145.00	155.00	7.5					

Project: SpringPole
Area: Not Recorded

Gold Canyon
Program: 2013
Logger: Eli Friedman

Hole name: SP13-216
Length (m): 155

Veins

mDepth	mWidth	Vein1	Vein1_AlphaAngle	Vein1_Min1	Vein1_Min2	Vein1_Min3	Comments

Project: SpringPole
Area: Not Recorded

Gold Canyon
Program: 2013
Logger: Eli Friedman

Hole name: SP13-216
Length (m): 155

Alteration

mFrom	mTo	Alt1	Int	Alt2	Int	Alt3	Int	Alt4	Int	Comments
34.00	47.00	SER	4	CHL	2					
47.00	56.00	SER	4	BIO	2					
56.00	58.00	SER	4	FEX	1					
58.00	69.00	SER	4	CHL	2					
69.00	82.00	BIO	3	ARG	2					
82.00	94.00	BIO	2							
94.00	116.00	BIO	4	ARG	2					
116.00	120.00	SER	4	ARG	1					
120.00	155.00	BIO	3	SER	3					

Project: SpringPole
Area: Not Recorded

Gold Canyon
Program: 2013
Logger: Eli Friedman

Hole name: SP13-216
Length (m): 155

Color

mFrom	mTo	Color1	Int	Color2	Comments
34.00	47.00	GRN	LT		
47.00	56.00	GRN	LT	GRY	
56.00	58.00	GRN	LT	ORG	
58.00	67.00	GRN	LT		
67.00	116.00	GRY	DK		
116.00	120.50	GRY	LT	WHT	
120.50	155.00	GRY	DK		

Project: SpringPole
Area: Not Recorded

Gold Canyon
Program: 2013
Logger: Eli Friedman

Hole name: SP13-216
Length (m): 155

Carbonate and Void Space

mFrom	mTo	Void_pctCod	Carb_IntCode	Comments
34.00	37.00	2	0	
37.00	44.00	2	1	
44.00	53.00	3	1	
53.00	56.00	2	1	
56.00	65.00	3	1	
65.00	71.00	1	1	
71.00	79.00	4	1	
79.00	83.00	2	1	
83.00	85.00	3	1	
85.00	92.00	4	1	
92.00	96.00	2	1	
96.00	104.00	4	1	
104.00	109.00	3	1	
109.00	116.00	4	1	
116.00	122.00	2	1	
122.00	128.00	2	3	
128.00	145.00	3	1	
145.00	155.00	4	0	

Project: SpringPole
Area: Not Recorded

Gold Canyon
Program: 2013
Logger: Eli Friedman

Hole name: SP13-216
Length (m): 155

Geotech

mFrom	mTo	Recov_m	Recov_pct	RQD_m	RQD_pct	StrengthCo	Comments
26.00	32.00						Added more casing
32.00	35.00	0.6	20	0.4	13.3	6	
35.00	38.00	2.9	96.7	1.4	46.7	5	
38.00	41.00	2.8	93.3	1.1	36.7	5	
41.00	44.00	3	100	1.2	40	4	
44.00	47.00	2.7	90	0.6	20	5	
47.00	50.00	2.6	86.7	1	33.3	4	
50.00	53.00	2.4	80	0.6	20	4	
53.00	56.00	2.7	90	1.7	56.7	3	
56.00	59.00	1.5	50	0	0	4	
59.00	62.00	1.6	53.3	0.5	16.7	4	
62.00	65.00	1.6	53.3	0.3	10	6	
65.00	68.00	2.9	96.7	1.6	53.3	6	
68.00	71.00	2.6	86.7	1.2	40	4	
71.00	74.00	0.7	23.3	0	0	4	
74.00	77.00	1.2	40	0.6	20	5	
77.00	80.00	2.3	76.7	0	0	5	
80.00	83.00	2.6	86.7	1	33.3	5	
83.00	86.00	2.5	83.3	0.8	26.7	5	
86.00	89.00	2.5	83.3	0	0	4	
89.00	92.00	2.2	73.3	0	0	5	
92.00	95.00	3	100	0.9	30	5	
95.00	98.00	1.8	60	0.1	3.3	4	
98.00	101.00	1	33.3	0	0	4	
101.00	104.00	1.7	56.7	0	0	4	
104.00	107.00	2.6	86.7	0	0	4	
107.00	110.00	3	100	0	0	4	
110.00	113.00	2.3	76.7	0.2	6.7	4	
113.00	116.00	3	100	0.1	3.3	4	
116.00	119.00	2.9	96.7	2	66.7	6	
119.00	122.00	2.9	96.7	0.4	13.3	4	
122.00	125.00	3	100	0.2	6.7	4	
125.00	128.00	2.9	96.7	0.6	20	4	
128.00	131.00	2.8	93.3	1.1	36.7	6	

Project: SpringPole
Area: Not Recorded

Gold Canyon
Program: 2013
Logger: Eli Friedman

Hole name: SP13-216
Length (m): 155

Geotech

mFrom	mTo	Recov_m	Recov_pct	RQD_m	RQD_pct	StrengthCo	Comments
131.00	134.00	2.7	90	0.8	26.7	6	
134.00	137.00	2.8	93.3	1.7	56.7	6	
137.00	140.00	2.9	96.7	1.7	56.7	6	
140.00	143.00	1.8	60	0	0	4	
143.00	146.00	1.8	60	0	0	5	
146.00	149.00	1.6	53.3	0	0	5	
149.00	152.00	2.4	80	0.6	20	5	
152.00	155.00	3	100	0	0	4	

Gold Canyon

Project	SpringPole			*Hole name*	**SP13-217**
Area	Not Recorded	*Program*	2013	*Length (m)*	248
Claim	nr	*Hole Type*	Diamond Drill	*Size*	HQ
Drill Contractor	Rodren	*Other Hole name*		*Data Origin*	GEO4-LENOVO
Drill Rig	2	*Cassing Pulled*	Unknown	*Data Date*	7/26/2013
Date Started	7/8/2013	*Cassing (m)*		*Data BY*	Geology
Date Finished	7/11/2013				
Logger	Ashley Ripple	*Log Date*	7/10/2013		
Target	Site: NB053				
Hole Comments					
Collar survey Date	7/8/2013	*Survey By*	Eli Friedman	*Method*	Trimble R8
Survey Notes					

Collar coordinates

Grid	Name	x	Y	z	Az	Dip
Original	UTM84-15N	549,662.73	5,693,315.54	391.37	0.00	-90.00
Preferred	UTM84-15N	549,662.73	5,693,315.54	391.37	0.00	
Local						
Lat Long						

Down-hole surveys

SurveyDHDesc	mDepth	Dip	AzOrig	AzLocal	AzPref	AzMag	MagField	Remarks
yro (readings taken upwa	0.00	-89.31	258.86		258.86			
yro (readings taken upwa	10.00	-89.40	263.23		263.23			
yro (readings taken upwa	20.00	-89.58	282.03		282.03			
yro (readings taken upwa	30.00	-89.10	280.35		280.35			
yro (readings taken upwa	40.00	-89.19	275.42		275.42			
yro (readings taken upwa	50.00	-89.53	284.75		284.75			
yro (readings taken upwa	60.00	-89.48	297.96		297.96			
yro (readings taken upwa	70.00	-89.44	296.07		296.07			
yro (readings taken upwa	80.00	-89.04	279.72		279.72			
yro (readings taken upwa	90.00	-89.12	283.70		283.70			
yro (readings taken upwa	100.00	-89.23	275.80		275.80			
yro (readings taken upwa	110.00	-89.40	263.56		263.56			
yro (readings taken upwa	120.00	-89.47	230.50		230.50			
yro (readings taken upwa	130.00	-89.29	203.87		203.87			
yro (readings taken upwa	140.00	-88.92	181.40		181.40			
yro (readings taken upwa	150.00	-88.65	172.91		172.91			
yro (readings taken upwa	160.00	-88.16	165.15		165.15			
yro (readings taken upwa	170.00	-87.75	153.43		153.43			
yro (readings taken upwa	180.00	-87.15	151.09		151.09			
yro (readings taken upwa	190.00	-86.66	149.78		149.78			
yro (readings taken upwa	200.00	-86.12	150.45		150.45			
yro (readings taken upwa	210.00	-85.77	149.39		149.39			
yro (readings taken upwa	220.00	-85.49	149.09		149.09			
yro (readings taken upwa	230.00	-85.03	150.13		150.13			
yro (readings taken upwa	240.00	-84.55	151.06		151.06			

Relating Certificates

LabCode	Status	CertName	CertDate	Between	and	SampleGen
SGS	QC-NR	RL1302327	8/15/2013	32.50	248.00	0

Control Samples

SampleID	mFrom	mTo	SampleCode	SampleGen	Au_ppm	WtRecvd_kg	Au_CertName
88817	48.00	50.00	2-DUPF	0	0.07	3.80	RL1302327
88854	114.00	116.00	2-DUPF	0	0.10	4.10	RL1302327
88864	130.00	132.00	2-DUPF	0	0.05	3.80	RL1302327
88924	240.00	242.00	2-DUPF	0	0.55	3.70	RL1302327
88841	90.00	92.00	2-DUPL	0	0.11		RL1302327
88810	36.00	38.00	Blk-BL9	0	0.07	1.20	RL1302327
88836	82.00	84.00	Blk-BL9	0	0.00	1.20	RL1302327
88891	182.00	184.00	Blk-BL9	0	0.00	1.20	RL1302327
88913	220.00	222.00	Blk-BL9	0	0.00	1.30	RL1302327
88824	60.00	62.00	STD-HIGH	0	1.86	0.05	RL1302327
88902	202.00	204.00	STD-HIGH	0	1.74	0.06	RL1302327
88861	126.00	128.00	STD-LOW	0	0.37	0.06	RL1302327

Number of entries per table

Litho	Alt	Minz	Geotech	Struct	Vein	Photos	Scans
9	23	33	73	45	8	0	0

Project: SpringPole
Area: Not Recorded
Claim: nr

Gold Canyon
Program: 2013
Logger: Ashley Ripple

Hole name: SP13-217
Length (m): 248

Assays				Litho				
Depth (m)	SampleID	Au (ppm)	Ag (ppm)	Depth (m)	Lith1	Txtr2	Txtr2	Comments
	No Data			31.00	WTR			Water depth/ no recovery
32.50				32.50	OBN			31-32.5 m Overburden; diorite mixed with sand and mush.
Certs= RL1302327								
34.00	88807	0.06	0.15					
36.00	88808	0.06	0.15					32.5-80 m Fine grained to medium grained (dominantly medium grained) green to grey Andesite. Core is weak to moderately foliated. Some zones have weak tuff texture. The phenocrysts appear relict white to light grey. 3-5 mm grains of magnetite are present. Rare veins.
38.00	88809	0.08	0.15					32.5-83 m Trace to no finely disseminated sulfides
40.00	88811	0.07	0.15					32.5-72 m No carbonate overprint
42.00	88812	0.11	0.15					32.5-46 m Weak to moderate void space; mush-gouge zones are the dominant source of voids.
44.00	88813	0.1	0.4					34-36 m Weak and variable magnetism.
46.00	88814	0.3	0.15					35-56 m Core has a brown-orange light green to grey color. Core is dominated by clay and oxides (goethite>>limonite). The pervasiveness of the alteration causes a decrease in the competency of the core. Within this zone there are 0.1-1 m intervals that appear “unaltered”.
48.00	88815	0.26	0.15					40-44m Moderate magnetism with 1-4 mm dark grey to black magnetite crystals.
50.00	88816	0.06	0.15					40 m Color changes slightly so that grey appears more dominate as the secondary hue.
52.00	88818	0.04	0.15					44-46 m No magnetism (more broken and oxidized).
54.00	88819	0.32	3.3					46-49 m Weak to moderate magnetism
56.00	88820	0.43	0.15					46-48 m Weak void space
58.00	88821	0.02	0.15		AND	MGN		48-56 m Increase of void space (gougy areas)
60.00	88822	0.01	0.15					48-50 m Iron oxide is dominantly hematite.
62.00	88823	0.05	0.15					49-56 m No magnetism (more broken and oxidized)
64.00	88825	0.06	0.15					50-56 m Iron oxides is dominantly limonite>>goethite
66.00	88826	0.03	0.15					~50 m Possible zone of quartz porphyry dike but quartz eyes are not apparent.
68.00	88827	0.03	0.15					56-62 m Core appears less altered with minor chlorite alteration of groundmass and argillic alteration on joints and fractures.
70.00	88828	0.17	0.6					56.5-61.5 m Voids and vugs are filled partially by green clay-chlorite. Vugs are ~2-4cm.
72.00	88829	0.13	0.6					56-91 m Decrease in void space
74.00	88830	0.2	0.7					56-93 m Weak and variable magnetism; visible 1-3 mm magnetite crystals still present.
76.00	88831	0.05	0.15					57-59 m Slight textural variation; phenocrysts are more crowded and abundant fine to medium grained. Phenocrysts are white to cream, splinter to needle-like.
78.00	88832	0.07	0.6					62-81 m Core has an increase alteration. Dominated by iron oxides (hematite-red) and green clays (?). These are pervasive throughout.
80.00	88833	0.16	0.4	80.00				70.2 m 12 mm white to light grey quartz vein, has slightly irregular appearance; continuous vein. Vein is cross-cut by smaller thin carbonate veinlets.
82.00	88834	0.09	0.4					72-78 m Moderate reaction to 10% HCl. Carbonate overprint is pervasive.
84.00	88835	0.08	0.15					77-79 m Small zone with glassy appearance. Core is moderately hard (silicification or potassic alteration?).
86.00	88837	0.1	0.15					78-100 m No carbonate overprint.
88.00	88838	0.17	0.3					
90.00	88839	0.27	0.4					
92.00	88840	0.11	0.15					80-121 m Small textural change. Grain size decreases to fine grained Andesite (otherwise, same as above).
94.00	88842	0.12	0.15					81-86 m Core is relatively unaltered with only trace amounts of sericite and biotite in the groundmass.
96.00	88843	0.1	0.15					83-95 m Increase of finely disseminated pyrite. Heavily concentrated on joints and fracture surfaces.
								86-101 m Increase of sericite-argillic alteration. More heavily concentrated on joints and fractures.
								89.4 m 0.1 m zone of fark green to red clay. Fault gouge?

Project: SpringPole
Area: Not Recorded
Claim: nr

Gold Canyon
Program: 2013
Logger: Ashley Ripple

Hole name: SP13-217
Length (m): 248

Assays				Litho				
Depth (m)	SampleID	Au (ppm)	Ag (ppm)	Depth (m)	Lith1	Txtr2	Txtr2	Comments
98.00	88844	0.25	0.5					91-99 m Increase in broken nature of the core and void space present.
100.00	88845	0.1	0.15					93-100 m Very weak magnetism. Core only has small pull when magnetite crystals are present.
102.00	88846	0.18	0.4		AND	FGN		95-159 m Trace amounts of finely disseminated pyrite.
104.00	88847	0.02	0.15					98-102 m Increase of foliation and shear fabric of the core.
106.00	88848	0.07	0.5					99-165 m Weak void space.
108.00	88849	0.06	0.15					100-136 m Weak to moderate magnetism.
110.00	88850	0.1	0.4					100-139 m Weak to moderate carbonate overprint. Fine carbonate in groundmass.
112.00	88851	0.37	1.1					101-147 m Minor alteration; looks relatively “unaltered” with weak sericite in groundmass and argillic on joints and fractures.
114.00	88852	0.06	0.15					104-114 m Thin 1-5 mm carbonate-sericite veinlets roughly subparallel to each other (x50 at 30 degrees).
116.00	88853	0.08	0.15					112.9-113.6 m Zone with increased void space. Vugs are in/adjacent to broken quartz-biotite-pyrite vein. Vein is discontinuous and difficult to measure. Quartz is white to light grey, biotite occurs in mm scale books and pyrite is trace amounts.
118.00	88855	0.23	0.7					
120.00	88856	0.15	0.4					
122.00	88857	0.19	0.6	121.00				
124.00	88858	0.48	0.7					
126.00	88859	0.17	0.15					
128.00	88860	0.67	2.9					121-138 m Core is the same as the unit above but there is an increase in grain size. Medium to coarse grained. Grains are sub-rounded and
130.00	88862	0.33	0.4		AND	MGN		have weak milled appearance. Possible zones of porphyry in andesite.
132.00	88863	0.05	0.15					136-147 m No magnetism
134.00	88865	0.12	0.15					
136.00	88866	0.6	0.8					
138.00	88867	0.32	0.4	138.00				
140.00	88868	0.3	0.6					138-161 m Core is the same as above but overall decrease in grain size to fine-aphanitic. Core has weak crackle breccia texture by carbonate veins.
142.00	88869	0.58	2.9					139-149 m Very weak carbonate overprint.
144.00	88870	0.63	2.7					145.7 m 0.3 m Zone of intensely iron oxides with clay. Possible fault gouge?
146.00	88871	0.27	0.5					147-149 m Moderate magnetism with 0.1 zones of strong magnetism.
148.00	88872	0.46	1.3					147-165 m 0.1-0.5 m zones with weak to moderate iron oxides on joint and fracture surfaces.
150.00	88873	0.33	0.8					149-165 m No magnetism (only rare magnetite grains apparent).
152.00	88874	0.72	3		AND	FGN	KBX	149-165 m Moderate pervasive carbonate overprint.
154.00	88875	0.4	1.8					153-156 m Coe is hard/glassy with broken quartz veins (silicification moderately pervasive).
156.00	88876	0.37	1.5					154.9 m 0.1 m Irregular/discontinuous white (clear to milky) quartz vein with 3-5 mm black biotite books and trace finely disseminated pyrite. Trace white calcite.
158.00	88877	0.46	1.9					155.8 m Joints and fracture surfaces with increase pyrite percent (~10%) with euhedral pyrite grains 3-6 mm. Surface has moderate biotite and tourmaline. Tourmaline occurs as fine needles.
160.00	88878	1.04	4.2					155-156 m Carbonate vein breccia with moderate sulfides. Veins are irregular and discontinuous.
162.00	88879	0.3	1.1	161.00				159-160 m Weak increase of finely disseminated pyrite.
								~161 m Transition to fine grained trachyte. Phenocrysts appear to be white-cream, sub-rounded, 1-5 mm and partially replaced. Contact is gradational (Possible it is all andesite with varying degrees of alteration)

Project: SpringPole
Area: Not Recorded
Claim: nr

Gold Canyon
Program: 2013
Logger: Ashley Ripple

Hole name: SP13-217
Length (m): 248

Assays				Litho				
Depth (m)	SampleID	Au (ppm)	Ag (ppm)	Depth (m)	Lith1	Txtr2	Txtr2	Comments
								gradational (Possible it is all andesite with varying degrees of alteration).
164.00	88880	0.37	0.7					161-164 m Weak iron oxides on joint/fracture surfaces with limonite>>goethite with weak green clay on fractures.
166.00	88881	0.32	0.15					161-176 m Strong carbonate replacement of groundmass and phenocrysts.
168.00	88882	0.27	0.3					164-184 m Change of alteration; no iron oxides or argillic, minor biotite in groundmass and fractures.
170.00	88883	0.28	0.8					164-166 m Weak and variable magnetism with visible magnetite grains.
172.00	88884	0.24	0.6					164-192 m No void space; competent core with average length 0.4-0.6 m. Core is moderately hard.
174.00	88885	0.16	0.6					165-167 m Increase of phenocrysts and size (medium grained).
176.00	88886	0.44	1.4					166-167 m Small interval with no magnetism or visible crystals.
178.00	88887	0.23	0.9					~167 m Increase of finely disseminated pyrite.
180.00	88888	0.46	1.9					167-191 m Moderate magnetism with abundant 1-5 mm irregular dark grey magnetite crystals.
182.00	88889	0.31	1					~173 m Decrease of finely disseminated pyrite.
184.00	88890	0.16	0.4					176-210 m Slight decrease to reaction of 10% HCl. Moderate carbonate overprint.
186.00	88892	0.13	0.8					178.9 m 0.1 Massive calcite-dolomite vein; rare sulfides.
188.00	88893	0.27	1.2		TRA	FGN		182-195 m Increase of finely disseminated pyrite, higher concentrations along foliation.
190.00	88894	0.07	0.8					184-184.02 m Wavy, sheared calcite-dolomite veins, 2-3cm, with green sheared material between veins. Veins are white with trace sulfides.
192.00	88895	0.41	1.4					184-191 m Less sericite alteration in groundmass, core very hard. Pervasive potassic (?) replacement/overprint.
194.00	88896	0.72	3.5					185.2 m 0.1 m clast (?) of silicified core with crackle breccia of white calcite veins.
196.00	88897	3.25	14.8					~186-190 m Stockwork irregular, cross-cutting thin 1-5 mm calcite veins.
198.00	88898	1.7	6.6					190-192 m Thin 3-5 mm white calcite veins with brown-black blades of biotite and trace pyrite (x2 veins)
200.00	88899	0.69	2.8					191-224 m No magnetism
202.00	88900	0.61	1.7					191-196 m Change in alteration to moderate to strong sericite argillic alteration on fractures. Green talc (?) fault gouge (?).
204.00	88901	0.35	1					192-196 m Weak to moderate void space-vugs. 1-2 cm with partial carbonate infill. Mush-broken core with sulfides, clay and carbonate.
206.00	88903	0.69	2.2					193 m 0.1 m clast/xenolith/relict of alteration of partially assimilated medium grained andesite.
208.00	88904	1.19	4.2					195.3-196 m Rubbly argillic alteration zone with increased pyrite.
209.00	88905	1.62	4.9					196-206 m No voids; competent to hard core with average length 0.4-0.6 m.
210.50	88906	1.32	5.3	210.50				196-206 m same alteration as described from 164-184 m
								199-206 m Thin white calcite veinlets 3-5 mm thick along foliation. These have no pyrite.
								206-217.5 Pervasive sericite-argillic alteration with weak biotite on joints and fractures.
								206-217 m Weak void space; vugs are much smaller in size, 1-4 mm, with no infill. Competency of core decrease to average length 0.1 m.
								206-216 m Increase of finely disseminated sulfides (associated spatially with increase of argillic rubbly zones).
								207.5 m Trace black tourmaline in sheared vein with 5-10% pyrite locally.
								209 m 0.1-0.2 m zone with trace chalcopyrite.
								210-217 m No reaction to acid
212.00	88907	0.33	2					210.5 m Contact of Trachyte and Volcanic breccia marked by vein; vein is bull white quartz vein with cream dolomite rim.
214.00	88908	0.31	2.1		VBX	CBX		210.5-216 m Dark grey volcanic breccia with chaotic texture. Breccia is clast supported with rounded clasts. Clasts are dominated by feldspar porphyry.
216.00	88909	4.21	19.4	216.00				213.5 m Joint/fracture surface with clay-rich oxides goethite>>limonite
								216-248 m This unit is the same as described from 161-210.5 m. Contact is noted by broken nature of the core and 1-4 cm of iron oxide clay.
218.00	88910	0.53	2.1					217.5-225 m Same alteration as from 164-184 m
220.00	88911	0.8	2.9					217-224 m Thin, 1-5 mm, cream to white calcite veinlets subparalle to each other (x50).
222.00	88912	0.21	0.9					217-224 m No void space
224.00	88914	0.63	2.4					217-233 m Strong-intense carbonate overprint.
226.00	88915	0.69	2.4					222.2 m 3-5 mm white carbonate vein with brown-black bladed biotite books.224-228 m Very weak and variable magnetism, very rare magnetite.
228.00	88916	0.84	2.5					224-230 m Very weak void space. Average core length is ~0.2 m.
230.00	88917	0.78	2.4					225-230 m Pervasive sericite alteration in groundmass with weak iron oxides on fractures.

Project: SpringPole
Area: Not Recorded
Claim: nr

Gold Canyon
Program: 2013
Logger: Ashley Ripple

Hole name: SP13-217
Length (m): 248

Assays				Litho				
Depth (m)	SampleID	Au (ppm)	Ag (ppm)	Depth (m)	Lith1	Txtr2	Txtr2	Comments
232.00	88918	1.12	7.3		TRA	FGN		227 m Decrease of finely disseminated pyrite (only trace amounts on joints and fractures).
234.00	88919	0.37	7.6					230-237 m Moderate void space associated with decrease competency of the core. Average length is less than 0.1 m. This zone is also possible fault gouge. There is talc, sericite, argillic on joints and fractures with possible slickenlines. There is also an increase of oxides on joints/fractures.
236.00	88920	1.15	4.3					233-237 m No carbonate overprint.
238.00	88921	0.46	2.3					237-241 m Decrease of iron oxides and argillic alteration. No more talc or slickenlines. Iron oxides on fractures.
240.00	88922	0.86	2.8					237-248 m No void space.
242.00	88923	0.56	1.5					237-241 m Weak to moderate reaction to 10% HCl. Carbonate replacing phenocrysts and abundant thin 1-4 mm carbonate veinlets.
244.00	88925	0.39	1.2					237-248 m Thin 1-5 mm white carbonate veinlets subparallel to foliation (x100)
246.00	88926	0.33	1.3					241-248 m Very weak to weak magnetism with relict to rare 1-3 mm magnetite crystals. There is a change in alteration; no iron oxides, only biotite increase on fractures.
248.00	88927	0.59	2.2	248.00				241-248 m Moderate to strong reaction to acid. Increase of thin carbonate stringers.

Project: SpringPole
Area: Not Recorded

Gold Canyon
Program: 2013
Logger: Ashley Ripple

Hole name: SP13-217
Length (m): 248

Mineralization

mFrom	mTo	Pyrite_Pct	Min1	Min1_Pct	Min2	Min2_Pct	Comments
32.50	34.00	0.5					
34.00	36.00	0.5					
36.00	40.00	0.5					
40.00	44.00	0.5					
44.00	46.00	0.5					
46.00	56.00	0.5					
56.00	83.00	0.5					
83.00	93.00	3					
93.00	95.00	3					
95.00	100.00	0.5					
100.00	136.00	0.5					
136.00	147.00	0.5					
147.00	149.00	0.5					
149.00	159.00	0.5					
159.00	160.00	3					
160.00	164.00	0.5					
164.00	166.00	0.5					
166.00	167.00	3					
167.00	173.00	3					
173.00	182.00	0.5					
182.00	191.00	3					
191.00	195.00	3					
195.00	196.00	7.5					
196.00	200.00	3					
200.00	206.00	0.5					
206.00	210.50	3					
210.50	217.00	7.5					
217.00	224.00	3					
224.00	227.00	3					
227.00	228.00	0.5					
228.00	241.00	0.5					
241.00	242.00	0.5					
242.00	248.00	3					

Project: SpringPole
Area: Not Recorded

Gold Canyon
Program: 2013
Logger: Ashley Ripple

Hole name: SP13-217
Length (m): 248

Veins

mDepth	mWidth	Vein1	Vein1_AlphaAngle	Vein1_Min1	Vein1_Min2	Vein1_Min3	Comments
70.20	0.02	QTZ	70				70.2 m 12 mm white to light grey quartz vein, has slightly irregular appearance; continuous vein. Vein is cross-cut by smaller thin carbonate veinlets.
178.90	0.10	CAR	40		D		178.9 m 0.1 Massive calcite-dolomite vein; rare sulfides.
184.00	0.20	CAR	40		D		184-184.02 m Wavy, sheared calcite-dolomite veins, 2-3cm, with green sheared material between veins. Veins are white with trace sulfides.
190.00	0.00	CAR	55		B	P	190-192 m Thin 3-5 mm white calcite veins with brown-black blades of biotite and trace pyrite (x2 veins)
199.00	0.00	CAR	30				199-206 m Thin white calcite veinlets 3-5 mm thick along foliation. These have no pyrite.
210.50	0.20	QTZ	35				210.5 m Contact of Trachyte and Volcanic breccia marked by vein; vein is bull white quartz vein with cream dolomite rim.
217.00	0.00	CAR	55				217-224 m Thin, 1-5 mm, cream to white calcite veinlets subparalle to each other (x50).
237.00	0.00	CAR	55				237-248 m Thin 1-5 mm white carbonate veinlets subparallel to foliation (x100)

Project: SpringPole
Area: Not Recorded

Gold Canyon
Program: 2013
Logger: Ashley Ripple

Hole name: SP13-217
Length (m): 248

Alteration

mFrom	mTo	Alt1	Int	Alt2	Int	Alt3	Int	Alt4	Int	Comments
32.50	35.00	SER	2	BIO	2					
35.00	56.00	FEX	3	ARG	2					
56.00	61.00	CHL	2	ARG	1					
61.00	77.00	FEX	3	ARG	2					
77.00	79.00	SIL	3	BIO	2					
79.00	81.00	FEX	3	ARG	2					
81.00	86.00	SER	1	BIO	1					
86.00	101.00	SER	3	ARG	3					
101.00	147.00	SER	3	ARG	1					
147.00	153.00	SER	2	ARG	1	FEX	1			
153.00	156.00	SIL	3	BIO	1					
156.00	160.00	SER	2	ARG	1					
160.00	164.00	SER	3	FEX	1	ARG	2			
164.00	184.00	SER	3	BIO	1					
184.00	191.00	SER	2	BIO	1	SIL	3			
191.00	196.00	SER	3	ARG	3					
196.00	206.00	SER	3	BIO	1					
206.00	217.50	SER	2	ARG	2	BIO	1			
217.50	225.00	SER	3	BIO	1					
225.00	230.00	SER	2	FEX	1					
230.00	237.00	SER	3	ARG	3	FEX	3			
237.00	240.00	SER	2	FEX	1					
240.00	248.00	SER	2	BIO	2					

Project: SpringPole
Area: Not Recorded

Gold Canyon
Program: 2013
Logger: Ashley Ripple

Hole name: SP13-217
Length (m): 248

Color

mFrom	mTo	Color1	Int	Color2	Comments
32.50	35.00	GRY	MD		
35.00	40.00	BRN	MD	ORG	
40.00	56.00	BLK	MD	GRN	
56.00	62.00	GRY	MD		
62.00	81.00	GRY	MD	RED	
81.00	86.00	GRY	MD		
86.00	101.00	GRY	MD	GRN	
101.00	147.00	GRY	MD		
147.00	160.00	GRY	MD	ORG	
160.00	210.50	GRY	MD		
210.50	248.00	GRY	DK		

Project: SpringPole
Area: Not Recorded

Gold Canyon
Program: 2013
Logger: Ashley Ripple

Hole name: SP13-217
Length (m): 248

Carbonate and Void Space

mFrom	mTo	Void_pctCod	Carb_IntCode	Comments
32.50	46.00	3	0	
46.00	48.00	2	0	
48.00	56.00	3	0	
56.00	72.00	2	0	
72.00	78.00	2	3	
78.00	91.00	2	0	
91.00	99.00	1	0	
99.00	139.00	1	2	
139.00	149.00	1	1	
149.00	160.00	1	3	
160.00	161.00	1	1	
161.00	164.00	1	4	
164.00	176.00	0	4	
176.00	180.00	3	4	
180.00	192.00	0	3	
192.00	196.00	2	3	
196.00	206.00	0	3	
206.00	210.00	2	3	
210.00	217.00	2	0	
217.00	224.00	0	4	
224.00	230.00	1	4	
230.00	233.00	3	4	
233.00	237.00	3	0	
237.00	241.00	0	2	
241.00	248.00	0	3	

Project: SpringPole
Area: Not Recorded

Gold Canyon
Program: 2013
Logger: Ashley Ripple

Hole name: SP13-217
Length (m): 248

Geotech

mFrom	mTo	Recov_m	Recov_pct	RQD_m	RQD_pct	StrengthCo	Comments
31.00	32.00	1	100	0.5	50	6	
32.00	35.00	2.9	96.7	0.9	30	6	
35.00	38.00	2.6	86.7	0.2	6.7	5	
38.00	41.00	2.9	96.7	0.8	26.7	5	
41.00	44.00	2.6	86.7	0.5	16.7	5	
44.00	47.00	2.9	96.7	0.5	16.7	4	
47.00	50.00	3	100	1.1	36.7	4	
50.00	53.00	3.1	103.3	0	0	4	
53.00	56.00	2.3	76.7	0	0	5	
56.00	59.00	2.7	90	0.8	26.7	5	
59.00	62.00	3	100	0.8	26.7	4	
62.00	65.00	2.9	96.7	0.2	6.7	4	
65.00	68.00	3.2	106.7	0.6	20	4	
68.00	71.00	3	100	1	33.3	4	
71.00	74.00	2.5	83.3	0.3	10	4	
74.00	77.00	3	100	0.2	6.7	4	
77.00	80.00	3	100	0.3	10	4	
80.00	83.00	3.1	103.3	1.9	63.3	5	
83.00	86.00	2.9	96.7	2.5	83.3	5	
86.00	89.00	2.9	96.7	2.5	83.3	5	
89.00	92.00	3.2	106.7	0.5	16.7	4	
92.00	95.00	2.7	90	0.3	10	4	
95.00	98.00	2.9	96.7	0.7	23.3	5	
98.00	101.00	3.2	106.7	1.3	43.3	5	
101.00	104.00	2.7	90	1.7	56.7	5	
104.00	107.00	3	100	2.5	83.3	5	
107.00	110.00	2.9	96.7	2.2	73.3	5	
110.00	113.00	3.2	106.7	1.6	53.3	5	
113.00	116.00	3	100	1.9	63.3	5	
116.00	119.00	3	100	1.5	50	4	
119.00	122.00	2.9	96.7	2	66.7	5	
122.00	125.00	3.1	103.3	1.4	46.7	5	
125.00	128.00	3	100	1.8	60	5	
128.00	131.00	2.9	96.7	2.2	73.3	5	

Project: SpringPole
Area: Not Recorded

Gold Canyon
Program: 2013
Logger: Ashley Ripple

Hole name: SP13-217
Length (m): 248

Geotech

mFrom	mTo	Recov_m	Recov_pct	RQD_m	RQD_pct	StrengthCo	Comments
131.00	134.00	3	100	1.8	60	5	
134.00	137.00	2.9	96.7	1.1	36.7	5	
137.00	140.00	2.7	90	0.7	23.3	5	
140.00	143.00	3.2	106.7	0.6	20	6	
143.00	146.00	2.9	96.7	2.6	86.7	6	
146.00	149.00	3.2	106.7	2.1	70	5	
149.00	152.00	2.9	96.7	1.9	63.3	5	
152.00	155.00	3	100	2.6	86.7	5	
155.00	158.00	3	100	2.2	73.3	5	
158.00	161.00	3	100	1.5	50	5	
161.00	164.00	2.7	90	0.2	6.7	5	
164.00	167.00	3	100	2.9	96.7	6	
167.00	170.00	3	100	2.2	73.3	6	
170.00	173.00	3	100	2.6	86.7	6	
173.00	176.00	2.9	96.7	2.7	90	6	
176.00	179.00	3	100	2.3	76.7	6	
179.00	182.00	3	100	2.2	73.3	6	
182.00	185.00	3	100	2.9	96.7	6	
185.00	188.00	2.9	96.7	2.2	73.3	6	
188.00	191.00	3	100	2.5	83.3	6	
191.00	194.00	2.8	93.3	1.6	53.3	4	
194.00	197.00	2.8	93.3	1.4	46.7	5	
197.00	200.00	3	100	1.8	60	5	
200.00	203.00	3	100	2.4	80	5	
203.00	206.00	2.9	96.7	1.7	56.7	4	
206.00	209.00	2.8	93.3	0.4	13.3	4	
209.00	212.00	2.6	86.7	0.3	10	4	
212.00	215.00	2.6	86.7	0.2	6.7	4	
215.00	218.00	2.9	96.7	1.4	46.7	6	
218.00	221.00	2.9	96.7	2.5	83.3	6	
221.00	224.00	3	100	2.8	93.3	6	
224.00	227.00	2.7	90	1.1	36.7	4	
227.00	230.00	3.1	103.3	0.5	16.7	4	
230.00	233.00	3	100	0.7	23.3	4	

Project: SpringPole
Area: Not Recorded

Gold Canyon
Program: 2013
Logger: Ashley Ripple

Hole name: SP13-217
Length (m): 248

Geotech

mFrom	mTo	Recov_m	Recov_pct	RQD_m	RQD_pct	StrengthCo	Comments
233.00	236.00	2.8	93.3	0.4	13.3	4	
236.00	239.00	2.8	93.3	0.8	26.7	5	
239.00	242.00	2.8	93.3	0.6	20	5	
242.00	245.00	3	100	1.7	56.7	5	
245.00	248.00	3	100	1.8	60	5	

Gold Canyon

Project	SpringPole	*Program*	2013	*Hole name*	**SP13-218**
Area	Not Recorded	*Hole Type*	Diamond Drill	*Length (m)*	122
Claim	nr			*Size*	HQ
Drill Contractor	Rodren	*Other Hole name*		*Data Origin*	GEO4-LENOVO
Drill Rig	1	*Cassing Pulled*	Unknown	*Data Date*	7/26/2013
Date Started	7/9/2013	*Cassing (m)*	32	*Data BY*	Geology
Date Finished	7/11/2013				
Logger	Eli Friedman	*Log Date*	7/10/2013		
Target	Site: B304				
Hole Comments					
Collar survey Date	7/10/2013	*Survey By*	Eli Friedman	*Method*	Trimble R8
Survey Notes					

Collar coordinates

Grid	Name	x	Y	z	Az	Dip
Original	UTM84-15N	549,522.94	5,693,692.57	391.42	0.00	-90.00
Preferred	UTM84-15N	549,522.94	5,693,692.57	391.42	0.00	
Local						
Lat Long						

Down-hole surveys

SurveyDHDesc	mDepth	Dip	AzOrig	AzLocal	AzPref	AzMag	MagField	Remarks
yro (readings taken upwa	0.00	-89.82	251.92		251.92			
yro (readings taken upwa	10.00	-89.72	212.52		212.52			
yro (readings taken upwa	20.00	-88.79	234.39		234.39			
yro (readings taken upwa	30.00	-88.22	229.51		229.51			
yro (readings taken upwa	40.00	-88.60	236.11		236.11			
yro (readings taken upwa	50.00	-89.23	244.54		244.54			
yro (readings taken upwa	60.00	-88.82	252.79		252.79			
yro (readings taken upwa	70.00	-88.64	220.10		220.10			
yro (readings taken upwa	80.00	-89.28	207.80		207.80			
yro (readings taken upwa	90.00	-88.77	205.69		205.69			
yro (readings taken upwa	100.00	-88.98	189.75		189.75			
yro (readings taken upwa	110.00	-88.55	192.42		192.42			

Relating Certificates

LabCode	Status	CertName	CertDate	Between	and	SampleGen
SGS	QC-NR	RL1302325	8/16/2013	32.60	122.00	0

Control Samples

SampleID	mFrom	mTo	SampleCode	SampleGen	Au_ppm	WtRecvd_kg	Au_CertName
89229	38.00	40.00	2-DUPL	0	0.03		RL1302325
89254	82.00	84.00	2-DUPL	0	0.96		RL1302325
89247	71.00	74.00	Blk-BL9	0	0.00	1.20	RL1302325
89251	78.00	80.00	Blk-BL9	0	0.01	1.20	RL1302325
89238	56.00	58.00	Std-5G-GS	0	0.09		RL1302325
89269	110.00	112.00	STD-LOW	0	0.32	0.06	RL1302325

Number of entries per table

Litho	Alt	Minz	Geotech	Struct	Vein	Photos	Scans
4	6	12	30	12	3	0	0

Project: SpringPole
Area: Not Recorded
Claim: nr

Gold Canyon
Program: 2013
Logger: Eli Friedman

Hole name: SP13-218
Length (m): 122

Assays				Litho				
Depth (m)	SampleID	Au (ppm)	Ag (ppm)	Depth (m)	Lith1	Txtr2	Txtr2	Comments
32.60	No Data							
Certs= RL1302325					No Data			
36.00	89226	0.04	1.8	36.00				
38.00	89227	0.02	5.2	36.50	OBN			
40.00	89228	0.02	0.5					
42.00	89230	0.06	3.7					36.5m: Porphyry –dominant breccia, severely decomposed and strongly argillic. White clays pervasive through groundmass. Minor sulfides and pyrite. Feldspar grains fractured and broken with little alteration. Mica stringers pervasive and cross-cutting through groundmass. Groundmass white with lime green alteration.
44.00	89231	0.21	2.3					40-59.5m: SAA (32-40m) Porphyry dominant breccia. Clay-rich groundmass strongly carbonate-leached with decomposed feldspar grains (less than 1cm) and minor-ly altered feldspar grains (greater than 1cm)(sericite). Increasingly micaceous across interval. Texture is crumbly and clay dominated. Porphyry clast concentration decreasing, with groundmass exhibiting a more defined shear fabric (50 degrees to core axis).
47.00	89232	0.09	0.8					49m: Increase of sulfides and pyrite. Minor to moderate cubic pyrite.
49.00	89233	0.1	0.6		POR	CBX		57-59m: Moderate potassic-altered feldspar within porphyry clasts. Matrix-dominated breccia. Clasts orange/pink/white.
52.00	89234	0.11	0.6					
54.00	89235	0.07	0.15					
56.00	89236	0.11	0.15					
58.00	89237	0.08	0.15					
59.50	89239	0.27	0.6	59.50				
61.00	89240	0.005	0.15					59-63.5m: Moderate biotite-altered lamprophyredyke. Decomposed upper and lower contacts. Slightly magnetic. Equigranular mafics with several 10-15m zones of sericite-rich shearing and clays.
63.00	89241	0.01	0.15		LAM	FGN		63m: Rich, creamy blue clay along several joint surfaces.
65.00	89242	0.05	0.15	65.00				
67.00	89243	0.33	0.4					
69.00	89244	0.12	0.15					
71.00	89245	0.07	0.15					
74.00	89246	0.13	0.5					
76.00	89248	0.06	0.15					
78.00	89249	0.13	0.15					
80.00	89250	1.07	3.3					
82.00	89252	1.05	2.3					
84.00	89253	1.12	2.9					63.6-65m: Conglomerate? Mixture of lithic clasts and aphanitic sedimentary clasts (tan/green). Angular to sub-rounded clasts within a white quartz/carbonate clay-rich matrix.
86.00	89255	1.2	2.7					68m: Weak pink potassic alteration of feldspar and strong sericite alteration in groundmass of clasts.
88.00	89256	0.32	0.7					68-80m: Heavily brecciated porphyry/trachyte mixing zone. Clasts are vuggy and leached with minor retrograde biotite infilling especially carbonate-leached voids. Finely disseminated pyrite and sulfides associated. Shear fabric developing (60 degrees to core axis). Mica veinlets and stringers crosscutting clasts and groundmass.
90.00	89257	1.15	1					80-100m: Brecciated porphyry clasts in aphanitic matrix (clast dominated). Clasts with weak sericite alteration. Matrix is primarily biotite altered. Finely disseminated pyrite and sulfides in matrix. Moderate shear direction (60 degrees to core axis). Weak to moderate leaching and void space. Infrequent fault zones with high concentrations of matrix fragments and clays and strongly decomposed micas with associated pyrite and sulfides.
92.00	89258	0.88	2.7					87-93m: Perpendicular fractures, to core axis, with pervasive bladed biotite and cubic pyrite. Probably broken veins.
94.00	89259	1.25	0.8		VBX	CBX		100-120m: SAA(80-100m) Increased concentration of porphyry clasts and broken feldspar from clasts in overall groundmass. Feldspar grains mostly unaltered but mildly fractured. Sericite-alteration pervasive through groundmass with biotite and pyrite concentrated along
96.00	89260	0.92	0.15					
98.00	89261	0.77	0.7					
100.00	89262	0.48	0.5					

Project: SpringPole
Area: Not Recorded
Claim: nr

Gold Canyon
Program: 2013
Logger: Eli Friedman

Hole name: SP13-218
Length (m): 122

Assays				Litho				
Depth (m)	SampleID	Au (ppm)	Ag (ppm)	Depth (m)	Lith1	Txtr2	Txtr2	Comments
102.00	89263	0.25	0.7					grains mostly unaltered but mildly fractured. Sericite alteration pervasive through groundmass with biotite and pyrite concentrated along cross-cutting veinlets and stringers. Porphyry-dominant breccia.
104.00	89264	0.1	0.15					108-109m: Shear zone with increased pyrite and sulfides. Easily crumbled in hands.
106.00	89265	0.14	0.4					113-116m: Strongly argillized matrix and clasts. Trace dark-green chlorite in blebs.
108.00	89266	0.31	0.15					120-122m: SAA(113-120m) Intensely broken and rubbly.
110.00	89267	0.07	0.5					
112.00	89268	0.13	0.5					
114.00	89270	0.18	0.7					
116.00	89271	0.29	0.15					
118.00	89272	0.26	0.7					
120.00	89273	0.16	0.5					
122.00	89274	0.41	0.6	122.00				

Project: SpringPole
Area: Not Recorded

Gold Canyon
Program: 2013
Logger: Eli Friedman

Hole name: SP13-218
Length (m): 122

Mineralization

mFrom	mTo	Pyrite_Pct	Min1	Min1_Pct	Min2	Min2_Pct	Comments
32.00	49.00	0.5					
49.00	56.00	3					
56.00	65.00	0.5					
65.00	74.00	0.5					
74.00	85.00	3					
85.00	87.00	7.5					
87.00	95.00	3					
95.00	105.00	3					
105.00	108.00	3					
108.00	110.00	7.5					
110.00	119.00	3					
119.00	122.00	3					

Project: SpringPole
Area: Not Recorded

Gold Canyon
Program: 2013
Logger: Eli Friedman

Hole name: SP13-218
Length (m): 122

Veins

mDepth	mWidth	Vein1	Vein1_AlphaAngle	Vein1_Min1	Vein1_Min2	Vein1_Min3	Comments
88.50	0.02	QTZ	70	P			
					B		Leached quartz/carbonate vein with cubic pyrite and bladed biotite
92.00	0.01	QTZ	70				Fractured quartz vein through broken porphyry clast. Minor alteration and visible magnetite
93.80	0.03	QTZ	80	B			
					P		Bull quartz vein mildly fractured and offset. Minor biotite and pyrite infill in fractures. Vein cuts through 10cm porphyry clast

Project: SpringPole
Area: Not Recorded

Gold Canyon
Program: 2013
Logger: Eli Friedman

Hole name: SP13-218
Length (m): 122

Alteration

mFrom	mTo	Alt1	Int	Alt2	Int	Alt3	Int	Alt4	Int	Comments
32.00	59.00	ARG	4	SER	3					
59.00	80.00	BIO	3							
80.00	92.00	BIO	3	SER	2					
92.00	100.00	BIO	3	SER	3					
100.00	113.00	SER	3	BIO	2					
113.00	122.00	ARG	4	SER	3					

Project: SpringPole
Area: Not Recorded

Gold Canyon
Program: 2013
Logger: Eli Friedman

Hole name: SP13-218
Length (m): 122

Color

mFrom	mTo	Color1	Int	Color2	Comments
32.00	46.00	WHT	DK	GRN	
46.00	59.00	GRY	LT		
59.00	60.00	GRY	DK	BLK	
60.00	122.00	GRY	DK		

Project: SpringPole
Area: Not Recorded

Gold Canyon
Program: 2013
Logger: Eli Friedman

Hole name: SP13-218
Length (m): 122

Carbonate and Void Space

mFrom	mTo	Void_pctCod	Carb_IntCode	Comments
32.60	54.00	4	1	
54.00	59.00	3	1	
59.00	63.00	3	2	
63.00	74.00	3	1	
74.00	79.00	1	1	
79.00	88.00	2	1	
88.00	90.00	2	3	
90.00	92.00	2	1	
92.00	95.00	1	1	
95.00	110.00	2	1	
110.00	113.00	2	2	
113.00	117.00	3	1	
117.00	120.00	3	3	
120.00	122.00	4	3	

Project: SpringPole
Area: Not Recorded

Gold Canyon
Program: 2013
Logger: Eli Friedman

Hole name: SP13-218
Length (m): 122

Geotech

mFrom	mTo	Recov_m	Recov_pct	RQD_m	RQD_pct	StrengthCo	Comments
32.00	35.00	1.6	53.3	0.6	20	2	
35.00	38.00	1.2	40	0	0	2	
38.00	41.00	1.8	60	0	0	2	
41.00	44.00	1.5	50	0.3	10	2	
44.00	47.00	1.4	46.7	0	0	3	
47.00	50.00	1.8	60	0	0	3	
50.00	53.00	1.6	53.3	0	0	3	
53.00	56.00	2.2	73.3	0	0	2	
56.00	59.00	3	100	0	0	2	
59.00	62.00	3	100	0.4	13.3	5	
62.00	65.00	3	100	0.4	13.3	3	
65.00	68.00	3.1	103.3	0.5	16.7	5	
68.00	71.00	2.5	83.3	0	0	5	
71.00	74.00	0.8	26.7	0	0	5	
74.00	77.00	2.3	76.7	1.6	53.3	6	
77.00	80.00	3.1	103.3	1.7	56.7	7	
80.00	83.00	2.8	93.3	0.8	26.7	7	
83.00	86.00	3	100	0.9	30	7	
86.00	89.00	3	100	2.1	70	7	
89.00	92.00	3.1	103.3	0	0	7	
92.00	95.00	2.9	96.7	2.1	70	6	
95.00	98.00	3	100	1.7	56.7	6	
98.00	101.00	3.1	103.3	2.3	76.7	6	
101.00	104.00	3	100	2.4	80	6	
104.00	107.00	3	100	2.3	76.7	6	
107.00	110.00	3	100	2.1	70	6	
110.00	113.00	3	100	0.2	6.7	4	
113.00	116.00	3	100	0.4	13.3	4	
116.00	119.00	2.9	96.7	1.6	53.3	4	
119.00	122.00	1.9	63.3	0.1	3.3	4	

Gold Canyon

Project	SpringPole			*Hole name*	**SP13-219**
Area	Not Recorded	*Program*	2013	*Length (m)*	176
Claim	nr	*Hole Type*	Diamond Drill	*Size*	HQ
Drill Contractor	Rodren	*Other Hole name*		*Data Origin*	GEO2-HP
Drill Rig		*Cassing Pulled*	Unknown	*Data Date*	7/16/2013
Date Started	7/13/2013	*Cassing (m)*		*Data BY*	Surveyor
Date Finished	7/14/2013				
Logger	Ashley Ripple	*Log Date*	7/14/2013		
Target					
Hole Comments	Hole continued by Stacey Ng and Maia Matarrese on July 16, 2013.				
Collar survey Date	7/14/2013	*Survey By*	Eli Friedman	*Method*	Trimble R8
Survey Notes					

Collar coordinates

Grid	Name	x	Y	z	Az	Dip
Original	UTM84-15N	549,571.15	5,693,358.03	391.33	0.00	-90.00
Preferred	UTM84-15N	549,571.15	5,693,358.03	391.33	0.00	
Local						
Lat Long						

Down-hole surveys

SurveyDHDesc	mDepth	Dip	AzOrig	AzLocal	AzPref	AzMag	MagField	Remarks
yro (readings taken upwa	0.00	-88.69	280.03		280.03			
yro (readings taken upwa	10.00	-88.73	299.71		299.71			
yro (readings taken upwa	20.00	-87.99	329.16		329.16			
yro (readings taken upwa	30.00	-86.11	340.87		340.87			
yro (readings taken upwa	40.00	-85.71	339.91		339.91			
yro (readings taken upwa	50.00	-85.23	339.00		339.00			
yro (readings taken upwa	60.00	-84.75	338.98		338.98			
yro (readings taken upwa	70.00	-84.42	341.63		341.63			
yro (readings taken upwa	80.00	-84.04	341.75		341.75			
yro (readings taken upwa	90.00	-83.60	345.02		345.02			
yro (readings taken upwa	100.00	-83.31	345.51		345.51			
yro (readings taken upwa	110.00	-83.28	346.33		346.33			
yro (readings taken upwa	120.00	-83.13	347.30		347.30			
yro (readings taken upwa	130.00	-83.03	347.35		347.35			
yro (readings taken upwa	140.00	-83.01	348.02		348.02			
yro (readings taken upwa	150.00	-82.82	347.79		347.79			
yro (readings taken upwa	160.00	-82.62	347.89		347.89			

Relating Certificates

LabCode	Status	CertName	CertDate	Between	and	SampleGen
SGS	QC-NR	RL1302421	8/21/2013	26.00	176.00	0

Control Samples

SampleID	mFrom	mTo	SampleCode	SampleGen	Au_ppm	WtRecvd_kg	Au_CertName
89285	44.00	46.00	2-DUPF	0	0.00	3.70	RL1302421
89345	152.00	154.00	2-DUPF	0	0.14	3.90	RL1302421
89357	174.00	176.00	2-DUPF	0	0.03	3.90	RL1302421
89304	78.00	80.00	2-DUPL	0	0.06		RL1302421
89338	140.00	142.00	2-DUPL	0	0.56		RL1302421
89278	30.00	32.00	Blk-BL9	0	0.00	1.20	RL1302421
89313	94.00	96.00	Blk-BL9	0	0.00	1.10	RL1302421

89298	68.00	70.00	STD-HIGH	0	1.89	0.06	RL1302421
89327	120.00	122.00	STD-LOW	0	0.33	0.06	RL1302421

Number of entries per table

Litho	Alt	Minz	Geotech	Struct	Vein	Photos	Scans
7	14	14	50	39	0	0	0

Project: SpringPole
Area: Not Recorded
Claim: nr

Gold Canyon
Program: 2013
Logger: Ashley Ripple

Hole name: SP13-219
Length (m): 176

Assays				Litho				
Depth (m)	SampleID	Au (ppm)	Ag (ppm)	Depth (m)	Lith1	Txtr2	Txtr2	Comments
26.00	No Data			26.00	WTR			Water and overburden
Certs= RL1302421								
28.00	89275	0.32	5.2					26-66.1m: medium to coarse-grained (3-7mm) andesite. Core is medium gray with green hue. The core has pervasive chlorite/sericite alteration with biotite on joints/fractures. Core is moderately to strongly foliated. Sulfides are finely disseminated at 1-5%with concentration higher on joints/fractures. Rare veins. No carbonate overprint until 45m. Weak void space until 31m. 29-53m: moderate magnetism 30.7-31m: rubble zone with 1-3mm cubic pyrite grains in addition to finely disseminated pyrite 31-40m: weak to moderate void space Vugs are 5mm-2cm, no infill 32.8m: joint with possible slickenlines. Mineral is cream-tan color, soft with shear 35-38m: poor recovery 40-49m: no void space, competent core with average length 0.4-0.6m 41-48m: core has change of texture; in addition to medium-grained relight penocrysts there are white 1-2mm speckles(?). Phenocrysts change in color from white-cream to blue-grey 45-56m: very weak carbonate alteration, only phenocrysts react with acid Approximately 49m: Shearing, phenocrysts are elongated and wispy 49-57m: weak void space; core is more broken with 0.1m average length. Vugs are smaller millimeter scale, no infill 50.5m: 0.1m of 'mush" chlorite/argillic fault gouge 53-100.4m: strong magnetism 55m: decrease in pyrite percentage 56-78m: no carbonate overprint 57-84m: very weak void space 57m: joint with 1-4mm euhedral-subhedral pyrite grains Approximately 58m: thin white stockwork carbonate veins 26-66.1m: same as above, medium grained andesite 63m: 0.1m zone of chlorite/argillization- possible fault gouge(?). This marks an increase of chlorite in the groundmass with chlorite and argillic alteration on joints/fractures
30.00	89276	0.02	0.9					
32.00	89277	0.005	0.15					
34.00	89279	0.02	0.7					
38.00	89280	0.005	0.8					
40.00	89281	0.01	0.6					
42.00	89282	0.02	0.5					
44.00	89283	0.02	0.7					
46.00	89284	0.005	0.15					
48.00	89286	0.01	0.15		AND	MGN		
50.00	89287	0.01	0.15					
52.00	89288	2.48	18.7					
54.00	89289	0.03	0.15					
56.00	89290	0.54	27.4					
58.00	89291	0.06	0.15					
60.00	89292	0.01	0.6					
62.00	89293	0.05	0.8					
64.00	89294	0.005	0.15					
66.10	89295	0.05	0.9	66.10				
68.00	89296	0.16	0.6					66.1-82.0m: metasediments (?) This zone is medium-grey with elongated clasts that are thin and wispy (1-2cm). Doesn't look too different from andesite but possible bedding. Rare veins, strong magnetism, variable void space, trace amounts finely disseminated pyrite. Alteration is pervasive chlorite and biotite 74-77m: more clast dominant 76.5-79.9m: weak, localized crackle breccia texture with thin 1mm calcite veinlets 78-81m: weak carbonate alteration, alteration in phenocrysts
70.00	89297	0.09	0.4					
72.00	89299	0.03	0.7					
74.00	89300	0.02	1.1		MSD			
76.00	89301	0.05	1					
78.00	89302	0.04	0.5					
80.00	89303	0.09	0.6					
82.00	89305	0.07	0.15	81.00				
84.00	89306	0.19	0.15					81-111.9m: medium-grained andesite. Phenocrysts are 3-6mm, light grey-blue with partial clay replacement. this is similar to andesite up-hole but with more biotite alteration and less chlorite. NNo veins. Variable sulfide percentage. Possible this unit is more trachyte than andesite but looks like andesite uphole. 80.5-81m: intense magnetism. aggregate veins (?) of magnetite crystals 1-3mm thick 81-100.4m: visible 1-3mm magnetite crystals, weak to moderate abundance 81m: no carbonte
86.00	89307	0.1	0.15					
88.00	89308	0.24	0.4					
90.00	89309	0.23	0.15		AND	MGN		

Project: SpringPole
Area: Not Recorded
Claim: nr

Gold Canyon
Program: 2013
Logger: Ashley Ripple

Hole name: SP13-219
Length (m): 176

Assays				Litho				
Depth (m)	SampleID	Au (ppm)	Ag (ppm)	Depth (m)	Lith1	Txtr2	Txtr2	Comments
92.00	89310	0.74	3		AND	MGN		84-95m: weak to moderate void space. Vugs millimeter scale with partial infill of biotite and pyrite 83-85m: decreased competency of core, rubble zone Approximately 85m: increased of fine, approximatel y 1mm cream speckles (phenocrysts?) Approximately 90m: increase of foliation (moderate) 92m: vugs increase in biotite and finely disseminated sulfides 95-116m: decrease in void space; increase in competency of core 0.2-0.4m average length
94.00	89311	0.6	0.5					
96.00	89312	0.23	0.8					
98.00	89314	0.14	1.5					
100.40	89315	0.28	2.4	100.40				
102.00	89316	0.13	2.5		POR	MEG		100.4-111.9m: megacrystic feldspar porphyry, light green to apple green. Phenocrysts are 5-20mm, pink-white. Some phenocrysts appear zones. most are equant to lath shaped, some are subrounded. Core is very hard (K-feldspar/silica alteration) overprint with pervasive sericite in groundmass. Sulfides are less abundant-trace amounts. Contact is sharp but broken. No magnetism, rare veins 100-100.4m: alteration halo of contact. Core has stronger sericite-bleaching alteration. Zone is much lighter in color Approximately 104-107m: weak, patchy hematite of the groundmass 111.7-111.9m: halo of contact, core is bleached with intense alteration. Contact unclear-bleeds into andesite
104.00	89317	0.1	1.9					
106.00	89318	0.09	1.4					
108.00	89319	0.13	1.8					
110.00	89320	0.09	1.7					
111.90	89321	0.25	2.8	111.90				
114.00	89322	0.32	1.2		AND	MGN		111.9m: medium-grained dark grey andesite (same as above from 81-100.4m) (Possible unit is more trachyte). Weakly foliated. Strong magnetism with 3-5mm visible magnetite crystals. 116-116.5m: strong to intense dark green chlorite talc on cleavage planes-rubble zone 116-130m: increase of void space, competency of core decreases with average length less than 0.1m 119-124m: increase of finely disseminated pyrite with highest concentration on joints/fractures with fine sugary biotite ~121m: localized zone with light blue-grey clay on joints/fractures SN start 124m: gray-green, medium-grained andesite with moderate biotite, sericite and weak chlorite alteration. Biotite and sericite is pervasive whereas chlorite occurs intermittently. Strong, consistent magnetism throughout. Some zones exhibit fine-grained, anhedral black specks > magnetite? Weak to moderate carbonate presence within the matrix and from veinlets (white calcite). Chlorite alteration is stronger in some areas than others, distinguishable in more fractured, soft core (on fracture and joint surfaces)
116.00	89323	2.53	19.2					
118.00	89324	1.36	6.7					
120.00	89325	2.35	15.1					
122.00	89326	0.33	1.9					
124.00	89328	0.16	1.5					
126.00	89329	0.16	1.6					
128.00	89330	0.14	1					
130.00	89331	0.2	1.4					
132.00	89332	0.78	4	132.00				
134.00	89333	0.46	2.3		AND	MGN	BX	132-176m: medium-grained andesite with some sporadic zones of possible brecciation? Increase in both finely disseminated pyrite and concentrated very fine-grained anhedral pyrite in vugs and surrounding white carbonate veinlets. Void space is irregular and alternated with more competent, less chloritized core. Vugs are present from carbonate veinlet dissolution (magnetism tends to drop to zero as void space increases) 140-160m: randomly dispersed 0.1-0.5m intervals where moderate chloritization is present -> core becomes very soft, friable and broken (possible argillization intermixed). This is where brecciated-like textures seem to occur. Otherwise, core is fairly competent, better displaying medium-sized, white, anhedral grains and fine-grained, anhedral black magnetite in the core matrix. Magnetism becomes slightly weaker (not as uniform throughout the core). Occasional irregular white carbonate veinlets present (in more competent core) with neighboring black biotite stringers 149m: slight decrease in pyrite percentage to 1-5%, finely disseminated 140-160m: highly variable carbonate intensity
136.00	89334	0.18	0.7					
138.00	89335	0.26	1.5					
140.00	89336	0.2	1.2					
142.00	89337	0.57	2.5					
144.00	89339	0.23	0.15					
146.00	89340	0.08	0.15					
148.00	89341	0.15	0.15					
150.00	89342	0.18	0.15					
152.00	89343	0.14	0.15					
154.00	89344	0.17	0.15					
156.00	89346	0.09	0.15					
158.00	89347	0.05	1.1					

Project: SpringPole
Area: Not Recorded
Claim: nr

Gold Canyon
Program: 2013
Logger: Ashley Ripple

Hole name: SP13-219
Length (m): 176

Assays				Litho				
Depth (m)	SampleID	Au (ppm)	Ag (ppm)	Depth (m)	Lith1	Txtr2	Txtr2	Comments
160.00	89348	0.05	1.3					165-166m: core looks partially silicified, very faint and difficult to see -> exhibits a more brecciated textur
162.00	89349	0.03	0.15					172-172.8m: two discontinuous patches/veins. Both completely fractured? One smoky gray quartz vein and the other a bright white carbonate vein (calcite -> highly reactive to 10% HCL
164.00	89350	0.72	2.2					172-172.3m: medium purple to almost red specks within the matrix, anhedral, possibly iron-oxide replacement? Aslo very clayey in some areas, mostly on fracture surfaces and within voids (acts as infill)
166.00	89351	0.31	1.4					EOH at 176m
168.00	89352	0.06	0.15					
170.00	89353	0.06	0.15					
172.00	89354	0.09	0.6					
174.00	89355	0.07	0.6					
176.00	89356	0.05	0.5	176.00				

Project: SpringPole
Area: Not Recorded

Gold Canyon
Program: 2013
Logger: Ashley Ripple

Hole name: SP13-219
Length (m): 176

Mineralization

mFrom	mTo	Pyrite_Pct	Min1	Min1_Pct	Min2	Min2_Pct	Comments
26.00	29.00	3					
29.00	53.00	3					
53.00	55.00	3	SPH	15			54-55m: 3 sphalerite (honey-brown) veins with trace to 3% fine galena, 1-5% pyrite and
					GAL	0.5	trace white carbonate. Hosted in shear zone. 55 degrees
55.00	91.00	0.5					
91.00	100.40	3					
100.40	111.90	0.5					
111.90	119.00	3					
119.00	124.00	7.5					
124.00	131.00	3					
131.00	137.00	7.5					
137.00	149.00	7.5					
149.00	161.00	3					
161.00	164.00	7.5					
164.00	176.00	3					

Project: SpringPole
Area: Not Recorded

Gold Canyon
Program: 2013
Logger: Ashley Ripple

Hole name: SP13-219
Length (m): 176

Veins

mDepth	mWidth	Vein1	Vein1_AlphaAngle	Vein1_Min1	Vein1_Min2	Vein1_Min3	Comments

Project: SpringPole
Area: Not Recorded

Gold Canyon
Program: 2013
Logger: Ashley Ripple

Hole name: SP13-219
Length (m): 176

Alteration

mFrom	mTo	Alt1	Int	Alt2	Int	Alt3	Int	Alt4	Int	Comments
26.00	63.00	CHL	3	SER	3	BIO	2			
63.00	66.10	CHL	3	ARG	2	BIO	1			
66.10	81.00	BIO	3	SER	3	CHL	3			
81.00	100.40	BIO	3	SER	1					
100.40	111.90	KSP	3	SER	2					
111.90	120.00	BIO	3	SER	1					
120.00	124.00	BIO	3	SER	2					
124.00	155.00	BIO	3	SER	3	CHL	2			
155.00	159.00	BIO	3	SER	3	CHL	3			
159.00	161.00	BIO	3	SER	3					
161.00	165.00	BIO	3	SER	3	CHL	3			
165.00	169.00	BIO	3	SER	3					
169.00	173.00	BIO	3	SER	3	CHL	3			
173.00	176.00	BIO	3	SER	3					

Project: SpringPole
Area: Not Recorded

Gold Canyon
Program: 2013
Logger: Ashley Ripple

Hole name: SP13-219
Length (m): 176

Color

mFrom	mTo	Color1	Int	Color2	Comments
26.00	66.10	GRY	MD	GRN	
66.10	81.00	GRY	MD		
81.00	100.40	GRY	DK	BLU	
100.40	111.90	GRN	LT		
111.90	124.00	GRY	DK	BLU	
124.00	176.00	GRY	DK	GRN	

Project: SpringPole
Area: Not Recorded

Gold Canyon
Program: 2013
Logger: Ashley Ripple

Hole name: SP13-219
Length (m): 176

Carbonate and Void Space

mFrom	mTo	Void_pctCod	Carb_IntCode	Comments
26.00	31.00	1	0	
31.00	40.00	2	0	
40.00	45.00	0	0	
45.00	49.00	0	1	
49.00	56.00	2	1	
56.00	57.00	2	0	
57.00	78.00	1	0	
78.00	81.00	1	2	
81.00	84.00	1	0	
84.00	96.00	2	0	
96.00	116.00	1	0	
116.00	122.00	2	0	
122.00	130.00	2	2	
130.00	131.00	2	3	
131.00	132.00	3	3	
132.00	137.00	3	0	
137.00	138.00	1	3	
138.00	140.00	3	0	
140.00	141.00	2	3	
141.00	144.00	3	0	
144.00	145.00	3	3	
145.00	148.00	1	3	
148.00	155.00	1	4	
155.00	156.00	1	0	
156.00	157.00	1	3	
157.00	159.00	2	0	
159.00	163.00	2	4	
163.00	170.00	1	4	
170.00	171.00	2	4	
171.00	173.00	2	0	
173.00	173.60	1	0	
173.60	176.00	1	4	

Project: SpringPole
Area: Not Recorded

Gold Canyon
Program: 2013
Logger: Ashley Ripple

Hole name: SP13-219
Length (m): 176

Geotech

mFrom	mTo	Recov_m	Recov_pct	RQD_m	RQD_pct	StrengthCo	Comments
26.00	29.00	2.9	96.7	1.7	56.7	7	
29.00	32.00	2.7	90	1.2	40	7	
32.00	35.00	3.1	103.3	1.8	60	7	
35.00	38.00	0.5	16.7	0	0	7	
38.00	41.00	1.4	46.7	0.7	23.3	7	
41.00	44.00	3.2	106.7	2	66.7	7	
44.00	47.00	3	100	2.9	96.7	7	
47.00	50.00	2.9	96.7	2.4	80	7	
50.00	53.00	3	100	1.1	36.7	7	
53.00	56.00	3.1	103.3	0.9	30	7	
56.00	59.00	3.1	103.3	2.8	93.3	7	
59.00	62.00	3	100	2.2	73.3	7	
62.00	65.00	3.1	103.3	1.5	50	7	
65.00	68.00	3	100	2	66.7	7	
68.00	71.00	3	100	2.4	80	7	
71.00	74.00	3	100	2	66.7	7	
74.00	77.00	3	100	2.1	70	7	
78.00	80.00	3	150	2.3	115	7	
80.00	83.00	3	100	2.7	90	7	
83.00	86.00	2.1	70	1	33.3	7	
86.00	89.00	3	100	2.5	83.3	7	
89.00	92.00	3.1	103.3	2.3	76.7	7	
92.00	95.00	3	100	2.7	90	7	
95.00	98.00	2.9	96.7	2	66.7	7	
98.00	101.00	2.8	93.3	1.8	60	7	
101.00	104.00	2.9	96.7	1.3	43.3	7	
104.00	107.00	3	100	1	33.3	7	
107.00	110.00	2.8	93.3	1.5	50	7	
110.00	113.00	3.1	103.3	2	66.7	7	
113.00	116.00	2.9	96.7	2.5	83.3	6	
116.00	119.00	3	100	1.9	63.3	6	
119.00	122.00	3	100	0.7	23.3	6	
122.00	125.00	3	100	1	33.3	6	
125.00	128.00	3	100	1.28	42.7	5	

Project: SpringPole
Area: Not Recorded

Gold Canyon
Program: 2013
Logger: Ashley Ripple

Hole name: SP13-219
Length (m): 176

Geotech

mFrom	mTo	Recov_m	Recov_pct	RQD_m	RQD_pct	StrengthCo	Comments
128.00	131.00	2.9	96.7	1.5	50	5	
131.00	134.00	3.1	103.3	1.22	40.7	4	
134.00	137.00	2.9	96.7	0.62	20.7	6	
137.00	140.00	3	100	1.42	47.3	6	
140.00	143.00	2.8	93.3	1.2	40	6	
143.00	146.00	3	100	1.55	51.7	6	
146.00	149.00	2.9	96.7	2.26	75.3	6	
149.00	152.00	2.94	98	1.5	50	6	
152.00	155.00	2.83	94.3	1.53	51	4	
155.00	158.00	2.85	95	0.49	16.3	4	
158.00	161.00	3	100	1.16	38.7	6	
161.00	164.00	2.81	93.7	1	33.3	6	
164.00	167.00	3.1	103.3	2.17	72.3	6	
167.00	170.00	3	100	1.95	65	6	
170.00	173.00	3	100	0.73	24.3	4	
173.00	176.00	3	100	2.2	73.3	4	EOH @ 176m

Gold Canyon

Project	SpringPole			*Hole name*	**SP13-220**
Area	Not Recorded	*Program*	2013	*Length (m)*	201
Claim	nr	*Hole Type*	Diamond Drill	*Size*	HQ
Drill Contractor	Rodren	*Other Hole name*		*Data Origin*	GEO2-HP
Drill Rig	1	*Cassing Pulled*	Unknown	*Data Date*	7/21/2013
Date Started	7/15/2013	*Cassing (m)*	91.44	*Data BY*	Surveyor
Date Finished	7/17/2013				
Logger	Maia Matarrese	*Log Date*	7/17/2013		
Target					

Hole Comments Site B602. No survey was taken due to miscommunications between crossshifts. PW = 140 ft (42.67 m); HW = 160 ft (48.77 m); H2O Depth = 95ft (28.96 m)

Collar survey Date 7/13/2013 *Survey By* Eli Friedman *Method* Trimble R8

Survey Notes No corrected survey data available. Coordinates and MSL listed are the planned coordinates. Rig was placed with less than 3 m accuracy in the x-y direction.

Collar coordinates

Grid	Name	x	Y	z	Az	Dip
Original	UTM84-15N	549,210.00	5,693,788.00	391.40	0.00	-90.00
Preferred	UTM84-15N	549,210.00	5,693,788.00	391.40	0.00	
Local						
Lat Long						

Down-hole surveys

SurveyDHDesc	mDepth	Dip	AzOrig	AzLocal	AzPref	AzMag	MagField	Remarks
yro (readings taken upwa	0.00	-88.69	259.14		259.14			
yro (readings taken upwa	10.00	-88.75	249.16		249.16			
yro (readings taken upwa	20.00	-88.81	241.02		241.02			
yro (readings taken upwa	30.00	-89.06	238.03		238.03			
yro (readings taken upwa	40.00	-89.11	230.41		230.41			
yro (readings taken upwa	50.00	-88.77	59.18		59.18			
yro (readings taken upwa	60.00	-87.23	74.36		74.36			
yro (readings taken upwa	70.00	-87.30	81.51		81.51			
yro (readings taken upwa	80.00	-87.27	80.52		80.52			
yro (readings taken upwa	90.00	-87.36	76.48		76.48			
yro (readings taken upwa	100.00	-87.45	74.77		74.77			
yro (readings taken upwa	110.00	-87.28	77.60		77.60			
yro (readings taken upwa	120.00	-87.32	76.61		76.61			
yro (readings taken upwa	130.00	-87.39	75.15		75.15			
yro (readings taken upwa	140.00	-87.42	75.09		75.09			
yro (readings taken upwa	150.00	-87.71	73.90		73.90			
yro (readings taken upwa	160.00	-87.66	68.98		68.98			
yro (readings taken upwa	170.00	-87.62	69.82		69.82			
yro (readings taken upwa	180.00	-87.46	67.65		67.65			
yro (readings taken upwa	190.00	-87.41	67.30		67.30			

Relating Certificates

LabCode	Status	CertName	CertDate	Between	and	SampleGen
SGS	QC-NR	RL1302423	8/25/2013	57.40	201.00	0

Control Samples

SampleID	mFrom	mTo	SampleCode	SampleGen	Au_ppm	WtRecvd_kg	Au_CertName
88936	147.00	149.00	2-DUPF	0	0.20	2.30	RL1302423
88465	74.00	76.00	2-DUPL	0	0.53		RL1302423
88499	133.00	135.00	2-DUPL	0	0.16		RL1302423
88953	175.00	177.00	2-DUPL	0	0.14		RL1302423

88961	189.00	191.00	2-DUPL	0	0.15		RL1302423
88470	82.00	83.40	Blk-BL9	0	0.00	1.20	RL1302423
88948	167.00	169.00	Blk-BL9	0	0.00	1.20	RL1302423
88488	115.00		Std-5G-GS	0	3.72	0.11	RL1302423
88939	151.00	153.00	Std-5G-GS	0	4.34	0.10	RL1302423

Number of entries per table

Litho	Alt	Minz	Geotech	Struct	Vein	Photos	Scans
9	10	23	47	94	0	0	0

Project: SpringPole
Area: Not Recorded
Claim: nr

Gold Canyon
Program: 2013
Logger: Maia Matarrese

Hole name: SP13-220
Length (m): 201

Assays				Litho				
Depth (m)	SampleID	Au (ppm)	Ag (ppm)	Depth (m)	Lith1	Txtr2	Txtr2	Comments
57.40	No Data			57.40	WTR			Water
Certs= RL1302423								
58.30	88455	0.22	0.15	58.30	OBN			Granitic and andesitic overburden as boulders to cobbles.
60.00	88456	1.71	1.3		VBX	CBX	CGN	0-57.4 m: Water 57.4-58.3 m: Pink and green granitic and andesitic overburden as cobbles with washed out loon fecies. 58.3-83.4 m: Medium gray + brown coarse grained + chaotic volcanic breccia. Moderate sercite+moderate talc+weak biotite alteration. Very weak chlorite. No reaction to 10% HCL. Very weak to weak void space as vugs. Vugs mineralized with biotite+pyrite+K-spar+Quartz (?). Clasts 2.5-20 cm in a fine grained groundmass. Moderately competent with interminttent sections containing no cohesion. Moderately joined and fractured. Relatively low magnetistm with occasional strong m agnetic reactions. No veins. ~5-10% fgn disseminated and striated pyrite. 65.3-67.0 m: Very weak reaction to pencil magnet. 67.0-84.0 m: Weak voids as vugs. 58.3-68.0 m: No reaction to 10% HCL acid--> observed every one meter. 82.0-85.0 m: 1-5% Fine grained disseminated pyrite. 83.4-92.7 m: Light gray+blue tuffaceous+medium grained volcanic breccia with moderate sericite+moderate talc+weak biotite+very weak chlorite alteratoin. NO reaction to 10% HCL. Weak to very weak voids as vugs. Holds magnet strongly. Ttrace-5% fine grained
62.00	88457	0.38	1.6					
64.00	88458	0.93	1					
66.00	88459	1.08	0.7					
68.00	88460	1.37	3.5					
70.00	88461	1.47	1.6					
72.00	88462	2.45	1.8					
74.00	88463	1.38	6.1					
76.00	88464	0.71	4.4					
78.00	88466	0.31	1.4					
80.00	88467	0.51	0.7					
82.00	88468	1.12	3					
83.40	88469	0.33	0.6	83.40				
85.30	88471	0.5	0.6	85.30	VBX	MGN		tuffaceous
86.40	88472	0.04	0.15		VBX	FGN		tuffaceous.
89.00	88473	0.49	0.5					
91.00	88474	0.17	0.6					
92.70	88475	0.64	1.1	92.70				
94.00	88476	5.15	3.6		TRA	FGN		tuffaceous
96.00	88477	1.11	0.4					
98.00	88478	0.22	0.15					
100.00	88479	0.64	0.15					
102.00	88480	0.55	0.15					
104.00	88481	0.37	0.15					
106.00	88482	0.53	0.3					
107.70	88483	0.68	0.4	107.70				
109.40	88484	0.11	0.15		LAM	FGN		tuffacesous
111.05	88485	0.01	0.15	111.05				
113.00	88486	0.05	0.15					
115.00	88487	0.28	0.15					

Project: SpringPole
Area: Not Recorded
Claim: nr

Gold Canyon
Program: 2013
Logger: Maia Matarrese

Hole name: SP13-220
Length (m): 201

Assays				Litho				
Depth (m)	SampleID	Au (ppm)	Ag (ppm)	Depth (m)	Lith1	Txtr2	Txtr2	Comments
117.00	88489	0.59	0.15					
119.00	88490	0.13	0.15					
121.00	88491	0.49	0.6		TRA	APH	FGN	
123.00	88492	0.81	1.5					
125.00	88493	0.23	0.4					
127.00	88494	0.16	0.4					
129.00	88495	0.19	0.5	129.00				
131.00	88496	0.05	0.15					
133.00	88497	0.16	0.8					
135.00	88498	0.15	0.3					
137.00	88500	0.04	0.15					
139.00	88930	0.09	0.3					
141.00	88931	0.06	0.15					
143.00	88932	0.09	0.15					
145.00	88933	0.1	0.6					
147.00	88934	0.12	0.3					
149.00	88935	0.21	0.8					
151.00	88937	0.3	1.1					
153.00	88938	0.37	1.4					
155.00	88940	0.11	0.7					
157.00	88941	0.08	0.15					
159.00	88942	0.09	0.15					
161.00	88943	0.14	0.3					
163.00	88944	0.6	0.6					
165.00	88945	0.27	0.15		TRA	KBX	FGN	
167.00	88946	0.22	0.3					
169.00	88947	0.14	0.4					
171.00	88949	0.35	0.15					
173.00	88950	0.13	0.15					
175.00	88951	0.05	0.15					
177.00	88952	0.13	0.15					
179.00	88954	0.27	0.15					
181.00	88955	0.26	0.15					
183.00	88956	0.04	0.15					
185.00	88957	0.37	0.3					

Project: SpringPole
Area: Not Recorded
Claim: nr

Gold Canyon
Program: 2013
Logger: Maia Matarrese

Hole name: SP13-220
Length (m): 201

Assays				Litho				
Depth (m)	SampleID	Au (ppm)	Ag (ppm)	Depth (m)	Lith1	Txtr2	Txtr2	Comments
187.00	88958	0.49	0.15					
189.00	88959	0.94	1.2					
191.00	88960	0.13	0.15					
193.00	88962	0.25	0.15					
195.00	88963	0.21	0.15					
197.00	88964	0.15	0.15					
199.00	88965	0.45	0.4					
201.00	88966	0.09	0.15	201.00				

Project: SpringPole
Area: Not Recorded

Gold Canyon
Program: 2013
Logger: Maia Matarrese

Hole name: SP13-220
Length (m): 201

Mineralization

mFrom	mTo	Pyrite_Pct	Min1	Min1_Pct	Min2	Min2_Pct	Comments
58.30	65.30	7.5					
65.30	67.00	7.5					
67.00	82.00	7.5					
82.00	84.00	3					
84.00	85.00	3					
85.00	86.10	0.5					
86.10	91.40	3					
91.40	93.60	3					
93.60	95.00	7.5					
95.00	97.00	3					
97.00	103.20	3					
103.20	105.00	7.5					
105.00	107.70	7.5					
107.70	111.20	0.5					
111.20	111.50	3					
111.50	127.00	3					
127.00	144.20	3					
144.20	144.30	7.5					
144.30	153.50	7.5					
153.50	168.00	3					
168.00	186.00	3					
186.00	189.00	3					
189.00	201.00	3					

Project: SpringPole
Area: Not Recorded

Gold Canyon
Program: 2013
Logger: Maia Matarrese

Hole name: SP13-220
Length (m): 201

Veins

mDepth	mWidth	Vein1	Vein1_AlphaAngle	Vein1_Min1	Vein1_Min2	Vein1_Min3	Comments

Project: SpringPole
Area: Not Recorded

Gold Canyon
Program: 2013
Logger: Maia Matarrese

Hole name: SP13-220
Length (m): 201

Alteration

mFrom	mTo	Alt1	Int	Alt2	Int	Alt3	Int	Alt4	Int	Comments
58.30	60.00	SER	3	TAL	3	BIO	3	CHL	1	
60.00	92.17	SER	3	TAL	3	BIO	2	CHL	1	
92.17	100.00	BIO	3	SER	3	CHL	2	TAL	1	
100.00	107.70	SER	3	TAL	3	BIO	2	CHL	1	
107.70	111.10	SER	4	BIO	4	CHL	4			
111.10	121.00	SER	4	BIO	4	TAL	2			
121.00	127.10	SER	4	TAL	4	BIO	1			
127.10	140.00	SER	3	BIO	3	TAL	1			
140.00	155.00	SER	3	BIO	3	TAL	2			
155.00	201.00	SER	4	TAL	4	BIO	2			Weak to moderate alteration from 180.0-201.0 m.

Project: SpringPole
Area: Not Recorded

Gold Canyon
Program: 2013
Logger: Maia Matarrese

Hole name: SP13-220
Length (m): 201

Color

mFrom	mTo	Color1	Int	Color2	Comments
8.30	83.40	GRY	MD	BRN	
57.40	8.30	PNK	MD	GRN	
83.40	92.70	GRY	LT	BLK	
92.70	107.70	GRY	MD	WHT	
107.70	111.05	GRN	DK	BLK	
111.05	121.00	BLK	DK	WHT	
121.00	132.30	WHT	LT	GRN	
132.30	201.00	GRN	MD	WHT	

Project: SpringPole
Area: Not Recorded

Gold Canyon
Program: 2013
Logger: Maia Matarrese

Hole name: SP13-220
Length (m): 201

Carbonate and Void Space

mFrom	mTo	Void_pctCod	Carb_IntCode	Comments
58.30	68.00	1	0	
68.00	85.30	2	0	
85.30	100.00	1	0	
100.00	103.00	2	0	
103.00	111.00	1	0	
111.00	123.00	1	2	
123.00	131.70	1	1	
131.70	134.20	2	1	
134.20	135.80	2	2	
135.80	144.30	2	1	
144.30	145.20	2	0	
145.20	151.40	3	0	
151.40	178.00	3	1	
178.00	179.80	3	0	
179.80	201.00	1	0	

Project: SpringPole
Area: Not Recorded

Gold Canyon
Program: 2013
Logger: Maia Matarrese

Hole name: SP13-220
Length (m): 201

Geotech

mFrom	mTo	Recov_m	Recov_pct	RQD_m	RQD_pct	StrengthCo	Comments
60.00	63.00	2.9	96.7	1.4	46.7	8	
63.00	66.00	3	100	2	66.7	8	
66.00	69.00	3.2	106.7	1.6	53.3	8	
69.00	72.00	3.1	103.3	2.3	76.7	8	
72.00	75.00	3	100	2	66.7	8	
75.00	78.00	3.1	103.3	1.7	56.7	8	
78.00	81.00	2.7	90	0.5	16.7	7	core becomes increasingly more altered (sericite and argillic) downhole, soft rock
81.00	84.00	3.2	106.7	1.7	56.7	7	
84.00	87.00	3.1	103.3	2.7	90	7	
87.00	90.00	3	100	2.1	70	6	
90.00	93.00	3	100	1.8	60	6	
93.00	96.00	3	100	0.9	30	6	few short 0.1m intervals where core is practically gouge, mixture of sand and clay, especially at 79m and 94.6-94.8m
96.00	99.00	3	100	0.3	10	5	low RQD may be due to mechanical breaks. Very smooth and even breaks in a "pucking" style not along fabric
99.00	102.00	3	100	0.6	20	5	
102.00	105.00	3	100	0	0	5	
105.00	108.00	3.2	106.7	0.9	30	5	
108.00	111.00	3	100	0.6	20	5	
111.00	114.00	3	100	1.1	36.7	5	
114.00	117.00	3	100	0.3	10	5	
117.00	120.00	3.1	103.3	1.5	50	5	
120.00	123.00	3	100	0.9	30	6	core becomes increasingly less altered and stronger
123.00	126.00	3.1	103.3	1.2	40	6	
126.00	129.00	3.2	106.7	1.7	56.7	6	
129.00	132.00	2.9	96.7	2	66.7	7	
132.00	135.00	3.2	106.7	2.3	76.7	7	
135.00	138.00	3	100	2.2	73.3	6	
138.00	141.00	3	100	2.6	86.7	6	
141.00	144.00	3	100	2.4	80	6	
144.00	147.00	3.2	106.7	2.6	86.7	7	145-147m: strength=7
147.00	150.00	3.1	103.3	0.9	30	5	
150.00	153.00	2.9	96.7	1.7	56.7	5	

Project: SpringPole
Area: Not Recorded

Gold Canyon
Program: 2013
Logger: Maia Matarrese

Hole name: SP13-220
Length (m): 201

Geotech

mFrom	mTo	Recov_m	Recov_pct	RQD_m	RQD_pct	StrengthCo	Comments
153.00	156.00	3	100	1.3	43.3	5	
156.00	159.00	3	100	0.9	30	5	
159.00	162.00	3	100	1.1	36.7	5	
162.00	165.00	3.1	103.3	2.5	83.3	6	
165.00	168.00	3.1	103.3	1.9	63.3	6	
168.00	171.00	3	100	1.2	40	6	
171.00	174.00	3	100	1.1	36.7	6	
174.00	177.00	3	100	1.6	53.3	6	
177.00	180.00	3	100	1.2	40	6	
180.00	183.00	3	100	1.9	63.3	5	
183.00	186.00	3.1	103.3	1.6	53.3	5	
186.00	189.00	2.9	96.7				change at 187m- friable and almost sand-like, biotite altered. easily breaks but
				0.4	13.3	4	does not crumble->more cohesive, soft core
189.00	192.00	3.2	106.7	1.5	50	5	
192.00	195.00	3.1	103.3	1.9	63.3	5	
195.00	198.00	3	100	1.6	53.3	5	
198.00	201.00	3	100	1.5	50	5	EOH @ 201m

Gold Canyon

Project	SpringPole			*Hole name*	**SP13-221**
Area	Not Recorded	*Program*	2013	*Length (m)*	176
Claim	nr	*Hole Type*	Diamond Drill	*Size*	HQ
Drill Contractor	Rodren	*Other Hole name*		*Data Origin*	GEO2-HP
Drill Rig	1	*Cassing Pulled*	Unknown	*Data Date*	7/21/2013
Date Started	7/17/2013	*Cassing (m)*	48.77	*Data BY*	Surveyor
Date Finished	7/21/2013				
Logger	Stacey Ng	*Log Date*	7/20/2013		
Target					
Hole Comments	Site NB 102. PW = 65 ft (19.81 m); HW = 95 ft (28.96 m); H20 Depth = 58 ft (17.68 m)				
Collar survey Date	7/20/2013	*Survey By*	Maia Matarrese	*Method*	Trimble R8
Survey Notes	RDOP: 2.2; HDOP: 1.3; VDOP: 1.8; HPRE: 0.019m; VPRE: 0.029m; ANT HT(Hrig+COBrover): 5.655m				

Collar coordinates

Grid	Name	x	Y	z	Az	Dip
Original	UTM84-15N	549,730.10	5,693,319.03	391.14	0.00	-90.00
Preferred	UTM84-15N	549,730.10	5,693,319.03	391.14	0.00	
Local						
Lat Long						

Down-hole surveys

SurveyDHDesc	mDepth	Dip	AzOrig	AzLocal	AzPref	AzMag	MagField	Remarks
yro (readings taken upwa	0.00	-88.05	237.03		237.03			
yro (readings taken upwa	10.00	-88.08	238.79		238.79			
yro (readings taken upwa	20.00	-87.77	233.25		233.25			
yro (readings taken upwa	30.00	-87.80	233.25		233.25			
yro (readings taken upwa	40.00	-88.03	235.84		235.84			
yro (readings taken upwa	50.00	-88.06	225.21		225.21			
yro (readings taken upwa	60.00	-88.19	216.39		216.39			
yro (readings taken upwa	70.00	-88.08	206.15		206.15			
yro (readings taken upwa	80.00	-87.86	193.37		193.37			
yro (readings taken upwa	90.00	-87.76	183.98		183.98			
yro (readings taken upwa	100.00	-87.56	175.58		175.58			
yro (readings taken upwa	110.00	-87.32	169.57		169.57			
yro (readings taken upwa	120.00	-86.73	161.00		161.00			
yro (readings taken upwa	130.00	-86.55	157.63		157.63			
yro (readings taken upwa	140.00	-86.44	152.78		152.78			
yro (readings taken upwa	150.00	-85.99	146.79		146.79			
yro (readings taken upwa	160.00	-85.40	139.30		139.30			

Relating Certificates

LabCode	Status	CertName	CertDate	Between	and	SampleGen
SGS	QC-NR	RL1302458	8/28/2013	28.50	176.00	0

Control Samples

SampleID	mFrom	mTo	SampleCode	SampleGen	Au_ppm	WtRecvd_kg	Au_CertName
89867	57.00	59.00	2-DUPF	0	0.12	4.10	RL1302458
89925	161.00	163.00	2-DUPF	0	0.60	4.60	RL1302458
89857	39.00	41.00	2-DUPL	0	0.00		RL1302458
89906	127.00	129.00	2-DUPL	0	0.30		RL1302458
89872	65.00	67.00	Blk-BL9	0	0.00	1.10	RL1302458
89895	107.00	109.00	Blk-BL9	0	0.00	1.10	RL1302458
89930	169.00	171.00	Blk-BL9	0	0.00	1.10	RL1302458

89917	147.00	149.00	STD-LOW	0	0.27	0.06	RL1302458
89884	87.00	89.00	STD-MID	0	1.84	0.06	RL1302458

Number of entries per table

Litho	Alt	Minz	Geotech	Struct	Vein	Photos	Scans
11	21	21	50	71	0	0	0

Project: SpringPole
Area: Not Recorded
Claim: nr

Gold Canyon
Program: 2013
Logger: Stacey Ng

Hole name: SP13-221
Length (m): 176

Assays				Litho				
Depth (m)	SampleID	Au (ppm)	Ag (ppm)	Depth (m)	Lith1	Txtr2	Txtr2	Comments
28.50	No Data			17.68	WTR			
				28.50	OBN			28-28.5m: Overburden, rounded granite and diorite cobbles
Certs= RL1302458								
31.00	89851	0.02	0.15					
33.00	89852	0.02	0.15					
35.00	89853	0.01	0.15					
37.00	89854	0.01	0.15					28.5-155.5m: Andesite. Medium-grained, tuffaceous texture. With moderate to strong chlorite and sericite alteration. White grains/speck are anhedral and occasionally exhibit weak to moderate foliation/shearing. Core is also slightly argillized in few short intervals where more fracturing has occurred. Trace very fine-grained anhedral pyrite. Iron-oxide (yellow jarosite? on fracture surfaces-minor coating)
39.00	89855	0.005	0.15					32-32.1m: minor fault? core is completely argillized-cohesive clay
41.00	89856	0.005	0.15					33.2m: very weak to no carbonate reaction. Highly irregular and sporadic. Occurs mostly on carbonate veinlets and on the white mineral grains (to 79m)
43.00	89858	0.02	0.15		AND	MGN		33.8-41.0m: end of interval is approximate. Very weak to no magnetism. Highly sporadic. Not continuous. Only present where fine-grained, anhedral black grains are located ->magnetite?40-60m: void space continues to alternate between very weak to weak-< mostly where cabronate veinlet dissolution has occurred50.0m: few fine-grained to medium-grained cubic pyrite on fracture surface. Pyrite presence is highly sporadic.
45.00	89859	0.005	0.3					
47.00	89860	0.02	0.4					
49.00	89861	0.005	0.3					
51.00	89862	0.005	0.15					
53.00	89863	0.005	0.15					
55.00	89864	0.005	0.15					
57.00	89865	0.02	0.5	57.00				
59.00	89866	0.06	0.6					57m: Andesite becomes slightly more finer-grained, still exhibits a tuffaceous texture
61.00	89868	0.02	0.15					57-60.5m: slight decrease in chlorite alteraiton. Core becomes more gray than green in color and slightly more competent.
63.00	89869	0.01	0.3		AND	MGN	FGN	59-72.5m: minimal void space where dissolution from veinlets has occurred, increase of wispy, irregular, white carbonate veinlets present
65.00	89870	0.03	0.15	64.00				61m: distinct increase in magnetism (strong). Increase of fine-grained black anhedral magnetite abundantly distributed throughout the matrix.
				64.10	MSM			64-64.1m: completely decomposed, soft, sandy material->muscovite seam?? green-tan in color
67.00	89871	0.01	0.15					
69.00	89873	0.005	0.15					
71.00	89874	0.01	0.15					
73.00	89875	0.02	0.15					
75.00	89876	0.05	0.15					
77.00	89877	0.02	0.6					60.5-82.5m: intermittent weak iron-oxide alteration, solely seen on fracture surfaces. Combination of jarosite and goethite. Core tends to be more fractured, soft and weak.
79.00	89878	0.03	0.3					75-79.1m: core develops presence of randomly distributed dark black stringers -> biotite?
81.00	89879	0.09	0.4					76-76.1m: partially dissolved quartz-carbonate vein, infilled with fine-grained to medium-grained, anhedral pyrite. Downhole, pyrite percentage increases. Very fine-grained anhedral pyrite evenly distributed throughout the matrix.
83.00	89880	0.08	0.4		AND	MGN	FGN	80-100m: continuation of fine-grained to medium-grained tuffaceous andesite. Color and lateration intensities alightly vary throughout but generally stays consistent
85.00	89881	0.24	0.4					

Project: SpringPole
Area: Not Recorded
Claim: nr

Gold Canyon
Program: 2013
Logger: Stacey Ng

Hole name: SP13-221
Length (m): 176

Assays				Litho				
Depth (m)	SampleID	Au (ppm)	Ag (ppm)	Depth (m)	Lith1	Txtr2	Txtr2	Comments
87.00	89882	0.52	0.6					86-88m: void space is slightly concentrated within this interval. Appears as if the core has been "pitted
89.00	89883	0.74	1.2					99-100m: fine-grained anhedral pyrite concentrated within partially dissolved carbonate-quartz veinlets. Still distributed throughout the matrix as well.
91.00	89885	0.12	0.15					
93.00	89886	0.07	0.15					
95.00	89887	0.08	0.15					
97.00	89888	0.24	0.15					
99.00	89889	0.58	0.15					
101.00	89890	0.18	0.15	101.00				
103.00	89891	0.3	0.15					
105.00	89892	0.06	0.15					101m: core becomes a darker green incolor from increased chlorite and sericite alteration. Iron-oxide alteration is present on fracture
107.00	89893	0.03	0.15					surfaces in a variety of colors-purple, yellow, brown clayey material. Andesite is also finer-grained as exhibited by the anhedral magnetite.
109.00	89894	0.07	0.15					White grains from above are not as abundant.
111.00	89896	0.11	0.15		AND	FGN		104-105m: very fine-grained, anedral pyrite concentrated in rounded blebs/patches. Otherwise, pyrite is still distributed throughout the matrix at 1-5%
113.00	89897	0.07	0.15					110.5m: core becomes increasingly more hard and competent
115.00	89898	0.07	0.15					118m: slight increase in chlorite alteration, weaker/softer core
117.00	89899	0.01	0.15					118.8-119m: small fault? cohesive gouge
119.00	89900	0.005	0.15	119.00				
121.00	89901	0.07	0.15					
123.00	89902	0.02	0.15					
125.00	89903	0.005	0.15					
127.00	89904	0.005	0.15					
129.00	89905	0.24	0.15					
131.00	89907	0.14	0.4					119-120m: increase in very fine-grained anhedral pyrite, especially on fracture surfaces-fractured carbonate veins, also finely disseminated
133.00	89908	0.005	0.15					119m: andesite becomes more fine-grained to medium-grained
135.00	89909	0.005	0.15					119.5m: fracture surface containing shiny silver-gray, soft mineral among pyrite and carbonate-molybdenite? (platy)
137.00	89910	0.005	0.15					120-140m: continuation of medium-grained to fine-grained andesite. Core alternates between a variety of colors and alterations with goethite and jarosite occasionally appearing and short interval with talc alteration. Magnetism alternated between moderate and strong
139.00	89911	0.04	0.15		AND	MGN	FGN	with and abundance of fine-grained, anhedral, black magnetite? still dispersed and visible in the matrix.
141.00	89912	0.01	0.15					124.9m: fracture surface completely coated with medium-grained, subhedral pyrite
143.00	89913	0.07	0.15					127.7m: distinct decrease in carbonate reaction and trace amounts of pyrite (until 140m)
145.00	89914	0.2	0.15					131-132m: core becomes very soft and fractured, almost clay-like. Is partially brown-yellow from iron-oxide alteration but also contains an interval where the core has become white and powder like-> talc?
147.00	89915	0.11	0.15					140-155.5m: medium-grained to fine-grained andesite exhibits moderate, irregular shearing. Slight increase in white and transluscent gray carbonate and quartz veinlets, respectively. Many rimmed by biotite stringers
149.00	89916	0.3	0.4					
151.00	89918	0.14	0.4					
153.00	89919	0.05	0.15					
155.00	89920	0.12	0.15					

Project: SpringPole
Area: Not Recorded
Claim: nr

Gold Canyon
Program: 2013
Logger: Stacey Ng

Hole name: SP13-221
Length (m): 176

Assays				Litho				
Depth (m)	SampleID	Au (ppm)	Ag (ppm)	Depth (m)	Lith1	Txtr2	Txtr2	Comments
157.00	89921	0.03	0.5	155.50				
159.00	89922	0.43	1.5	164.00	TRA	FGN	MGN	155.5m: gradual transition to fine-grained to medium-grained, dark gray trachyte? or non-chloritized andesite?? White, anhedral to subhedral grains appear to be slightly more feldspar-like. Mostly biotite altered with minimal and sporadic iron-oxide and chlorite alteraiton. Mostly occurs on fracture surfaces. 158m: distinct drop in magnetism from moderate to none 155.5m: distinct increase in very fine-grained, anhedral, disseminated pyrite to 5-10% 155.5-176m: fine-grained to medium-grained trachyte. Becomes slightly more fine-grained from 164-170m. There is an increase in irregular wispy white cabronate veinlets where the matrix is more aphanitic. Anhedral, white grains are abundant but not evenly distributed (relict feldspars?). Biotite alteration is generally moderate in intensity but is stronger from 164-174m
161.00	89923	0.4	1.7					
163.00	89924	0.62	4.7					
165.00	89926	0.57	4					
167.00	89927	0.41	2.2	170.00	TRA	APH	FGN	168m: core becomes strongly magnetic again
169.00	89928	0.45	2.4					
171.00	89929	0.35	1.4					
173.00	89931	0.5	2.2	176.00	TRA	FGN	MGN	174m: pyrite abundance slightly decreases to 1-5% End of hole at 176m
174.50	89932	0.28	0.8					
176.00	89933	0.08	0.15					

Project: SpringPole
Area: Not Recorded

Gold Canyon
Program: 2013
Logger: Stacey Ng

Hole name: SP13-221
Length (m): 176

Mineralization

mFrom	mTo	Pyrite_Pct	Min1	Min1_Pct	Min2	Min2_Pct	Comments
28.50	33.80	0.5					
33.80	40.00	0.5					
40.00	41.00	0					
41.00	50.00	0					
50.00	61.00	0.5					
61.00	76.00	0.5					
76.00	97.00	3					
97.00	100.00	3					
100.00	119.00	3					
119.00	120.00	7.5	MOL	0.5			
120.00	122.00	3					
122.00	124.00	3					
124.00	125.00	7.5					
125.00	132.00	0.5					
132.00	140.00	0.5					
140.00	148.00	3					
148.00	155.50	3					
155.50	158.00	7.5					
158.00	168.00	7.5					
168.00	174.00	7.5					
174.00	176.00	3					

Project: SpringPole
Area: Not Recorded

Gold Canyon
Program: 2013
Logger: Stacey Ng

Hole name: SP13-221
Length (m): 176

Veins

mDepth	mWidth	Vein1	Vein1_AlphaAngle	Vein1_Min1	Vein1_Min2	Vein1_Min3	Comments

Project: SpringPole
Area: Not Recorded

Gold Canyon
Program: 2013
Logger: Stacey Ng

Hole name: SP13-221
Length (m): 176

Alteration

mFrom	mTo	Alt1	Int	Alt2	Int	Alt3	Int	Alt4	Int	Comments
28.50	39.00	CHL	3	SER	3	ARG	2	FEX	1	
39.00	57.00	CHL	3	SER	3	ARG	1			
57.00	60.50	SER	3	CHL	1	ARG	1			
60.50	75.00	CHL	3	SER	3	FEX	1			
75.00	80.00	SER	3	CHL	2	BIO	1	FEX	1	
80.00	87.00	SER	3	CHL	2	BIO	1			
87.00	101.00	CHL	3	SER	2	BIO	1			
101.00	110.50	CHL	4	SER	2	BIO	2	FEX	1	
110.50	118.00	CHL	3	SER	2	BIO	2			
118.00	122.00	CHL	4	SER	2	BIO	2	ARG	1	
122.00	127.70	CHL	3	SER	3	BIO	2			
127.70	129.00	CHL	3	SER	3	FEX	3			
129.00	131.00	SER	4	CHL	3					
131.00	132.00	SER	3	TAL	3	FEX	3			
132.00	140.00	SER	3	CHL	2					
140.00	149.00	SER	3	CHL	2	BIO	2			
149.00	155.50	SER	3	BIO	1	CHL	1	FEX	1	
155.50	160.00	BIO	3	FEX	1	CHL	1			
160.00	164.00	BIO	3	SER	2					
164.00	174.00	BIO	4	SER	2					
174.00	176.00	BIO	3	SER	3					

Project: SpringPole
Area: Not Recorded

Gold Canyon
Program: 2013
Logger: Stacey Ng

Hole name: SP13-221
Length (m): 176

Color

mFrom	mTo	Color1	Int	Color2	Comments
28.50	57.00	GRN	MD	GRY	
57.00	60.50	GRY	LT	GRN	
60.50	83.00	GRN	MD	GRY	
83.00	87.00	GRY	MD	GRN	
87.00	101.00	GRN	MD	GRY	
101.00	110.50	GRN	DK	GRY	
110.50	118.00	GRN	MD	GRY	
118.00	122.00	GRN	DK	GRY	
122.00	127.70	GRY	DK	GRN	
127.70	128.00	GRN	MD	BRN	
128.00	134.00	GRY	MD	GRN	
134.00	149.00	GRN	MD	GRY	
149.00	155.50	GRY	MD	GRN	
155.50	176.00	GRY	DK		

Project: SpringPole
Area: Not Recorded

Gold Canyon
Program: 2013
Logger: Stacey Ng

Hole name: SP13-221
Length (m): 176

Carbonate and Void Space

mFrom	mTo	Void_pctCod	Carb_IntCode	Comments
28.50	33.20	3	0	
33.20	41.00	2	1	
41.00	49.00	1	1	
49.00	56.00	2	1	
56.00	59.00	1	1	
59.00	72.50	2	1	
72.50	76.00	1	1	
76.00	79.00	2	1	
79.00	86.00	2	0	
86.00	101.00	2	1	
101.00	113.00	1	1	
113.00	119.00	1	3	
119.00	122.00	1	1	
122.00	123.00	2	1	
123.00	127.50	0	4	
127.50	127.70	2	4	
127.70	132.00	2	0	
132.00	134.00	2	2	
134.00	137.00	1	2	
137.00	139.00	2	2	
139.00	140.50	1	2	
140.50	143.00	1	0	
143.00	144.00	1	3	
144.00	148.00	0	3	
148.00	152.50	1	2	
152.50	156.00	0	2	
156.00	161.00	2	2	
161.00	163.00	1	2	
163.00	167.00	2	2	
167.00	171.00	0	2	
171.00	176.00	0	1	

Project: SpringPole
Area: Not Recorded

Gold Canyon
Program: 2013
Logger: Stacey Ng

Hole name: SP13-221
Length (m): 176

Geotech

mFrom	mTo	Recov_m	Recov_pct	RQD_m	RQD_pct	StrengthCo	Comments
28.00	29.00	1	100	0	0	3	
29.00	32.00	2.5	83.3	0	0	3	
32.00	35.00	3.1	103.3	0.73	24.3	5	
35.00	38.00	2.8	93.3	0.58	19.3	5	
38.00	41.00	3	100	1.52	50.7	5	
41.00	44.00	3	100	2.56	85.3	6	
44.00	47.00	3.1	103.3	0.46	15.3	6	
47.00	50.00	3	100	1.37	45.7	6	
50.00	53.00	3.1	103.3	0.97	32.3	5	
53.00	56.00	3	100	0.86	28.7	5	
56.00	59.00	2.9	96.7	2.13	71	7	
59.00	62.00	2.7	90	0.82	27.3	5	
62.00	65.00	2.5	83.3	0.82	27.3	7	
65.00	68.00	2.7	90	1.74	58	7	
68.00	71.00	2.8	93.3	1.47	49	7	
71.00	74.00	2.8	93.3	2.12	70.7	7	
74.00	77.00	2.9	96.7	2.54	84.7	7	
77.00	80.00	2.6	86.7	1.14	38	7	
80.00	83.00	2.9	96.7	1.45	48.3	7	
83.00	86.00	2.8	93.3	0.97	32.3	7	
86.00	89.00	2.6	86.7	0.83	27.7	7	
89.00	92.00	3.2	106.7	1.77	59	7	
92.00	95.00	3	100	1.58	52.7	7	
95.00	98.00	2.9	96.7	1.89	63	6	
98.00	101.00	2.9	96.7	1.89	63	6	
101.00	104.00	2.9	96.7	1.62	54	6	
104.00	107.00	2.9	96.7	2.04	68	6	
107.00	110.00	2.8	93.3	2.7	90	6	
110.00	113.00	2.9	96.7	2.66	88.7	7	
113.00	116.00	2.9	96.7	2.78	92.7	7	
116.00	119.00	2.8	93.3	2.54	84.7	7	
119.00	122.00	2.8	93.3	1.99	66.3	7	
122.00	125.00	2.9	96.7	1.99	66.3	7	
125.00	128.00	2.6	86.7	2	66.7	5	

Project: SpringPole
Area: Not Recorded

Gold Canyon
Program: 2013
Logger: Stacey Ng

Hole name: SP13-221
Length (m): 176

Geotech

mFrom	mTo	Recov_m	Recov_pct	RQD_m	RQD_pct	StrengthCo	Comments
128.00	131.00	2.6	86.7	0.87	29	4	
131.00	134.00	2.9	96.7	1.7	56.7	4	
134.00	137.00	2.9	96.7	2.7	90	7	
137.00	140.00	2.8	93.3	2.55	85	7	
140.00	143.00	2.8	93.3	1.32	44	7	
143.00	146.00	2.9	96.7	2.43	81	7	
146.00	149.00	2.9	96.7	2.16	72	5	
149.00	152.00	2.8	93.3	2	66.7	6	
152.00	155.00	2.8	93.3	2.18	72.7	7	
155.00	158.00	2.7	90	1.86	62	6	
158.00	161.00	2.6	86.7	1	33.3	5	
161.00	164.00	2.9	96.7	2.2	73.3	7	
164.00	167.00	3	100	1.7	56.7	6	
167.00	170.00	3	100	2.54	84.7	7	
170.00	173.00	2.6	86.7	1.73	57.7	6	
173.00	176.00	2.6	86.7	1.1	36.7	6	EOH @ 176.0 m.

Gold Canyon

Project	SpringPole			*Hole name*	**SP13-222**
Area	Not Recorded	*Program*	2013	*Length (m)*	176
Claim	nr	*Hole Type*	Diamond Drill	*Size*	HQ
Drill Contractor	Rodren	*Other Hole name*		*Data Origin*	GEO2-HP
Drill Rig	1	*Cassing Pulled*	Unknown	*Data Date*	7/25/2013
Date Started	7/21/2013	*Cassing (m)*	70.11	*Data BY*	Surveyor
Date Finished	7/23/2013				
Logger	Maia Matarrese	*Log Date*	7/25/2013		
Target					
Hole Comments	PW= 70 ft (21.34 m); HW = 160 ft (48.77 m); Water Depth = 66 ft (20.12 m).				
Collar survey Date	7/23/2013	*Survey By*	Maia Matarrese	*Method*	Trimble R8
Survey Notes	RDOP: 1.6; HDOP: 0.9; VDOP: 1.3; HPRE: 0.012m; VPRE: 0.017m; ANT HT(Hrig+COBrover): 5.655m				

Collar coordinates

Grid	Name	x	Y	z	Az	Dip
Original	UTM84-15N	549,425.90	5,693,570.46	391.05	0.00	-90.00
Preferred	UTM84-15N	549,425.90	5,693,570.46	391.05	0.00	
Local						
Lat Long						

Down-hole surveys

SurveyDHDesc	mDepth	Dip	AzOrig	AzLocal	AzPref	AzMag	MagField	Remarks
yro (readings taken upwa	0.00	-88.36	309.12		309.12			
yro (readings taken upwa	10.00	-88.92	317.15		317.15			
yro (readings taken upwa	20.00	-89.29	343.81		343.81			
yro (readings taken upwa	30.00	-88.46	99.15		99.15			
yro (readings taken upwa	40.00	-85.75	107.44		107.44			
yro (readings taken upwa	50.00	-85.30	110.22		110.22			
yro (readings taken upwa	60.00	-85.26	114.37		114.37			
yro (readings taken upwa	70.00	-85.01	117.89		117.89			
yro (readings taken upwa	80.00	-84.97	119.53		119.53			
yro (readings taken upwa	90.00	-85.07	119.28		119.28			
yro (readings taken upwa	100.00	-84.86	118.79		118.79			
yro (readings taken upwa	110.00	-84.74	123.35		123.35			
yro (readings taken upwa	120.00	-84.58	128.31		128.31			
yro (readings taken upwa	130.00	-84.39	129.73		129.73			
yro (readings taken upwa	140.00	-84.37	133.32		133.32			
yro (readings taken upwa	150.00	-84.20	135.10		135.10			
yro (readings taken upwa	160.00	-83.91	140.05		140.05			

Relating Certificates

LabCode	Status	CertName	CertDate	Between	and	SampleGen
SGS	QC-NR	RL1302764	9/13/2013	43.50	174.00	0

Control Samples

SampleID	mFrom	mTo	SampleCode	SampleGen	Au_ppm	WtRecvd_kg	Au_CertName
89938	49.00	52.00	2-DUPF	0	0.03	5.00	RL1302764
89978	124.00	126.00	2-DUPF	0	0.00	3.90	RL1302764
89944	60.00	62.00	2-DUPL	0	0.32		RL1302764
89984	134.00	136.00	2-DUPL	0	0.00		RL1302764
89494	168.00	170.00	Blk-BL9	0	0.00	1.20	RL1302764
89966	102.00	104.00	Blk-BL9	0	0.00	1.25	RL1302764
89497	174.00		nr	0	0.02	8.80	RL1302764

89997	158.00	160.00	Std-6B-GS	0	6.00	0.10	RL1302764
89952	74.00	76.00	STD-MID	0	0.74	0.10	RL1302764

Number of entries per table

Litho	Alt	Minz	Geotech	Struct	Vein	Photos	Scans
5	8	5	43	105	0	0	0

Project: SpringPole
Area: Not Recorded
Claim: nr

Gold Canyon
Program: 2013
Logger: Maia Matarrese

Hole name: SP13-222
Length (m): 176

Assays				Litho				
Depth (m)	SampleID	Au (ppm)	Ag (ppm)	Depth (m)	Lith1	Txtr2	Txtr2	Comments
43.50	No Data			43.50	WTR			0-45.3 m : Water
Certs= RL1302764								
45.00	89934	0.71	3.7	43.80	OBN			45.3-43.8 m: Granitic and andesitic overburden.
47.00	89935	0.05	0.3		TRA	APH	FGN	43.8-176.0 m: Medium gray-white aphanitic to fine grained trachyte with weak bio+ser+chl alteration. Competent with zones of clay. Strong jointing. Moderate to strong magnetism. Weak to moderate voids as vugs which react to 10% HCL acid. No veins. No accessory minerals. None to weak reaction to 10% HCL. ~1-5% fgn disseminated and cubic pyrite.
49.00	89936	0.09	0.6					
52.00	89937	0.03	0.15					
54.00	89939	0.005	0.15					* Texture, ALteration, Competency, Carbonate, Void Space and Magnetism variances descrived in remainder of this log-mmm.
56.00	89940	0.07	0.5					
58.00	89941	0.17	1.3					43.5-47.9 m: No reaction to 10% HCL.
60.00	89942	0.16	1.2					47.9-49.0 m: Weak reaction to 10% HCL in vugs, striations. Near biotite margines.
62.00	89943	0.25	1.8					
64.00	89945	0.22	1.6					49.0-75.0 m: No reaction to 10% HCL.
66.00	89946	0.05	0.4					43.5-95.0 m: Weak void space as vugs.
68.00	89947	0.09	0.5					
70.00	89948	0.53	2.1					44.0-113.8 m: Moderate reaction to pencil magnet. Occasionally patchy.
72.00	89949	0.04	0.15					43.5-121.0 m: 1-5% fgn-mgn disseminated and cubic pyrite.
74.00	89950	0.32	1.6					61.1-96.5 m: Alteration changes to weak biotite+very weak sericite.
76.00	89951	0.28	1.3					
78.00	89953	0.9	8.9					64.2-66.7 m: Moderately competent. BLocky and clay fault with upper and lower contacts at 70 degree alpha to core axis.
80.00	89954	0.3	2					67.0-72.0 m: Moderately jointed & fractured. Dominantly mechanical breaks where voids are concentrated. Competent and blocky.
82.00	89955	0.19	1					
84.00	89956	0.17	0.6					72.0-86.0 m: Moderately fractured (due to drill?) with most breaks along void space paths. Competent.
86.00	89957	0.08	0.4					75.0-90.1 m : Very weak reaction to 10% HCL acid in vugs and biotite+carbonate strations.
89.00	89958	0.12	0.8					80.7-80.9m: Fault clay; non-cohesive; easily crumbles when touched.
92.00	89959	0.04	0.15					
94.00	89960	0.03	0.15					90.1-95.0 m: No reaction to 10% HCL acid.
96.00	89961	0.06	0.15					95.0-97.2 m: Moderate voidsa s vugs.
98.00	89962	0.2	0.7					
100.00	89963	0.06	0.15					95.0-99.1 m: Very weak reaction to 10% HCL acid in voids.
102.00	89964	0.07	0.5					97.2-106.5 m: BLocky, moderately fractured with ruvvle zones 1-3m. Moderately JOinted.
104.00	89965	0.35	1.8					
106.00	89967	0.1	1.2					96.5-114.98 m: Alteration changes to weak sericite+very weak biotite.

Project: SpringPole
Area: Not Recorded
Claim: nr

Gold Canyon
Program: 2013
Logger: Maia Matarrese

Hole name: SP13-222
Length (m): 176

Assays				Litho				
Depth (m)	SampleID	Au (ppm)	Ag (ppm)	Depth (m)	Lith1	Txtr2	Txtr2	Comments
108.00	89968	0.05	0.3					104.9-110.8 m: No reaction 10% HCL acid.
110.00	89969	0.03	0.15					106.0-110.8 m: Moderate voids as vugs.
112.00	89970	0.04	0.3					107.6-113.0 m: Blocky, moderately jointed & fractured core with 0.5 m zones of clay.
114.00	89971	0.12	0.8					110.8-118.7 m: Very weak reaction to 10% HCL acid.
116.00	89972	0.28	1.7					
118.00	89973	0.03	0.15					
120.00	89974	0.02	0.4	118.60				
122.00	89975	0.06	0.5					110.8-116.6 m: Moderate voids as vugs.
124.00	89976	0.02	0.3					113.8-125.8 m: Patchy strong reaction to pencil magnet.
126.00	89977	0.005	0.15					114.9-131.9 m: Alteration changes to very weak biotite + very weak patchy sericite.
128.00	89979	0.04	0.15					116.6-118.6 m: Weak voids as vugs.
130.00	89980	0.005	0.15					117.0-118.6 m: Fault and Clay.
132.00	89981	0.01	0.15		TRA	FGN	MGN	118.7-127.1 m: NO reaction to 10% HCL acid.
134.00	89982	0.01	0.15					118.6-143.3 m: Texture changes to medium grained tuffaceous; ANDESITE???
136.00	89983	0.005	0.15					121.0-124.1 m: 5-10% fine grained disseminated pyrite.
138.00	89985	0.15	0.4					122.9-135.0 m: Very weak voids as vugs.
140.00	89986	0.01	0.15					124.1-176.0 m: 1-5% fine grained disseminated pyrite.
142.00	89987	0.005	0.15					125.8-176.0 m: Moderate reaction to pencil magnet.
								127.1-136.2 m: Very weak to 10% HCL near vugs.
								131.8-133.0 m: Fault; fractured with strong jointing preserved in clay.
								131.9-152.5 m: Strong patchy Chlorite+ moderate patch sericite+ very weak patchy biotite alteration change.
								135.0-140.0 m: Weak voids as vugs.
								136.2-162.4 m: No reaction to 10% HCL acid.
								140.1-142.3 m: Jointed fault with strong chlorite alteration; slicken lines are visible, easily loses cohesion if touched

Project: SpringPole
Area: Not Recorded
Claim: nr

Gold Canyon
Program: 2013
Logger: Maia Matarrese

Hole name: SP13-222
Length (m): 176

Assays				Litho				
Depth (m)	SampleID	Au (ppm)	Ag (ppm)	Depth (m)	Lith1	Txtr2	Txtr2	Comments
								140.1-142.3 m: Jointed fault with strong chlorite alteration; slicken lines are visible, easily loses cohesion if touched
	89988	0.005	0.15	143.30				
144.00								
146.00	89989	0.04	0.3					143.3-148.0 m: Fault: UPPER and LOWER contacts 40 degrees alpha to core axis. Clay, same style as described in 140.1-142.3m description.
148.00	89990	0.09	1.1					
150.00	89991	0.13	1.7					148.0-155.0 m: Blocky jointed with intermittent fracture as angular rubble.
152.00	89992	0.42	3					149.3-160.4 m: Moderate voids as vugs.
154.00	89993	0.16	0.7					152.5-176.0 m: Alteration changes to weak striated biotite+very weak patchy sericite.
156.00	89994	0.03	0.15					158.0-160.5 m: Moderate jointed, blocky, competent.
158.00	89995	0.45	3.4					160.4-176.0 m: Patchy weak voids as vugs.
160.00	89996	0.05	0.5		TRA	APH	FGN	162.4-176.0 m: Very weak reaction near vugs to 10% HCL acid.
162.00	89998	0.23	2					165.5-165.7m,: Jointed fault, clay with chungs of competent core.
164.00	89999	0.18	2.2					168.0-172.6 m: Fractured, broken competent core with weak visible joints. Breaks jaggedly along vug paths. Likely to drilling??
166.00	90000	0.09	1					174.6-175.6 m: Fractured, blocky, mechanical break ??
168.00	89492	0.28	2.4					***EOH @ 176.0 m***
170.00	89493	0.2	2.3					
172.00	89495	0.1	0.8					
174.00	89496	0.04	0.3					
176.00	No Data			176.00				

Project: SpringPole
Area: Not Recorded

Gold Canyon
Program: 2013
Logger: Maia Matarrese

Hole name: SP13-222
Length (m): 176

Mineralization

mFrom	mTo	Pyrite_Pct	Min1	Min1_Pct	Min2	Min2_Pct	Comments
43.80	113.80	3					
113.80	121.00	3					
121.00	124.10	7.5					
124.10	125.80	3					
125.80	176.00	3					

Project: SpringPole
Area: Not Recorded

Gold Canyon
Program: 2013
Logger: Maia Matarrese

Hole name: SP13-222
Length (m): 176

Veins

mDepth	mWidth	Vein1	Vein1_AlphaAngle	Vein1_Min1	Vein1_Min2	Vein1_Min3	Comments

Project: SpringPole
Area: Not Recorded

Gold Canyon
Program: 2013
Logger: Maia Matarrese

Hole name: SP13-222
Length (m): 176

Alteration

mFrom	mTo	Alt1	Int	Alt2	Int	Alt3	Int	Alt4	Int	Comments
0.00	43.50	WTR								
43.50	43.80	OBN								
43.80	61.10	BIO	2	CHL	2	SER	1			
61.10	96.50	BIO	2	SER	2	CHL	1			
96.50	114.90	SER	2	BIO	2					
114.90	131.90	BIO	2	SER	1					
131.90	152.50	CHL	4	SER	3	BIO	1			
152.50	176.00	BIO	2	SER	1					

Project: SpringPole
Area: Not Recorded

Gold Canyon
Program: 2013
Logger: Maia Matarrese

Hole name: SP13-222
Length (m): 176

Color

mFrom	mTo	Color1	Int	Color2	Comments
0.00	176.00	GRY	MD	WHT	

Project: SpringPole
Area: Not Recorded

Gold Canyon
Program: 2013
Logger: Maia Matarrese

Hole name: SP13-222
Length (m): 176

Carbonate and Void Space

mFrom	mTo	Void_pctCod	Carb_IntCode	Comments
43.80	47.90	2	0	
47.90	49.00	2	2	
49.00	75.00	2	0	
75.00	90.10	2	1	
90.10	95.00	2	0	
95.00	97.20	3	1	
97.20	99.10	2	1	
99.10	104.90	2	0	
104.90	106.00	2	1	
106.00	110.80	3	0	
110.80	113.80	1	1	
113.80	116.60	3	1	
116.60	118.70	2	1	
118.70	122.90	2	0	
122.90	127.10	1	0	
127.10	135.00	1	1	
135.00	136.20	2	1	
136.20	138.00	2	0	
138.00	149.30	1	0	
149.30	160.40	3	0	
160.40	162.40	2	0	
162.40	176.00	2	1	

Project: SpringPole
Area: Not Recorded

Gold Canyon
Program: 2013
Logger: Maia Matarrese

Hole name: SP13-222
Length (m): 176

Geotech

mFrom	mTo	Recov_m	Recov_pct	RQD_m	RQD_pct	StrengthCo	Comments
47.00	50.00	3	100	2.3	76.7	6	
50.00	53.00	3	100	2.5	83.3	6	change at 52m -> strength=7
53.00	56.00	3	100	2	66.7	7	alternates between strength = 6 and 7
56.00	59.00	3.1	103.3	2.5	83.3	7	
59.00	62.00	2.8	93.3	2.3	76.7	7	
62.00	65.00	3	100	1.9	63.3	7	change at 64.5 to very soft rock and clay (65.8-66.6m)
65.00	68.00	3	100	1	33.3	3	67-68m: strength = 8
68.00	71.00	3	100	1.5	50	7	
71.00	74.00	3	100	2.2	73.3	6	with intermittent clay zones
74.00	77.00	3	100	2	66.7	6	
77.00	80.00	3	100	2.1	70	6	
80.00	83.00	3	100	1.5	50	6	
83.00	86.00	1.8	60	0.2	6.7	6	83-92m: poor recovery
86.00	89.00	1.1	36.7	0.1	3.3	6	
89.00	92.00	1.4	46.7	0.9	30	6	
92.00	95.00	2.8	93.3	2	66.7	6	
95.00	98.00	3.1	103.3	2	66.7	6	
98.00	101.00	3	100	1.6	53.3	6	
101.00	104.00	3.2	106.7	1.1	36.7	6	
104.00	107.00	3	100	1.8	60	6	
107.00	110.00	3	100	2.1	70	6	
110.00	113.00	2.9	96.7	1.6	53.3	6	
113.00	116.00	3	100	2.6	86.7	7	
116.00	119.00	2.5	83.3	1.3	43.3	7	
119.00	122.00	2.9	96.7	1.9	63.3	7	
122.00	125.00	3	100	2.7	90	7	
125.00	128.00	3.1	103.3	2.5	83.3	6	
128.00	131.00	3	100	2.5	83.3	6	
131.00	134.00	2.8	93.3	1.1	36.7	6	
134.00	137.00	3	100	2.8	93.3	6	
137.00	140.00	3	100	2.5	83.3	6	
140.00	143.00	3	100	0.9	30	1	intermixed with very soft rock but mostly clay
143.00	146.00	2.2	73.3	0.7	23.3	3	142.2-143.4m: strength = 6
146.00	149.00	2	66.7	0.2	6.7	3	143-149m: with intermittent clay zones

Project: SpringPole
Area: Not Recorded

Gold Canyon
Program: 2013
Logger: Maia Matarrese

Hole name: SP13-222
Length (m): 176

Geotech

mFrom	mTo	Recov_m	Recov_pct	RQD_m	RQD_pct	StrengthCo	Comments
149.00	152.00	3	100	1.6	53.3	6	
152.00	155.00	2.8	93.3	1.6	53.3	6	
155.00	158.00	3	100	2.3	76.7	7	
158.00	161.00	3	100	2.2	73.3	8	
161.00	164.00	3	100	2.8	93.3	8	
164.00	167.00	3	100	2.5	83.3	8	
167.00	170.00	3	100	2.3	76.7	8	
170.00	173.00	3.1	103.3	2.4	80	8	
173.00	176.00	3	100	2.4	80	8	EOH at 176m

Gold Canyon

Project	SpringPole			*Hole name*	**SP13-223**
Area	Not Recorded	*Program*	2013	*Length (m)*	125
Claim	nr	*Hole Type*	Diamond Drill	*Size*	HQ
Drill Contractor	Rodren	*Other Hole name*		*Data Origin*	GEO2-HP
Drill Rig	1	*Cassing Pulled*	Unknown	*Data Date*	7/25/2013
Date Started	7/23/2013	*Cassing (m)*	10.67	*Data BY*	Surveyor
Date Finished	7/24/2013				
Logger	Stacey Ng	*Log Date*	7/25/2013		
Target					
Hole Comments	HW = 35' (10.67 m); Water depth = 10' (3.048 m)				
Collar survey Date	7/23/2013	*Survey By*	Maia Matarrese	*Method*	Trimble R8
Survey Notes	RDOP: 1.6; HDOP: 0.9; VDOP: 1.3; HPRE: 0.012m; VPRE: 0.017m; ANT HT(Hrig+COBrover): 5.655m				

Collar coordinates

Grid	Name	x	Y	z	Az	Dip
Original	UTM84-15N	549,675.74	5,693,600.75	391.15	0.00	-90.00
Preferred	UTM84-15N	549,675.74	5,693,600.75	391.15	0.00	
Local						
Lat Long						

Down-hole surveys

SurveyDHDesc	mDepth	Dip	AzOrig	AzLocal	AzPref	AzMag	MagField	Remarks
yro (readings taken upwa	0.00	-86.97	302.96		302.96			
yro (readings taken upwa	10.00	-87.21	295.02		295.02			
yro (readings taken upwa	20.00	-87.38	294.80		294.80			
yro (readings taken upwa	30.00	-87.95	263.39		263.39			
yro (readings taken upwa	40.00	-88.22	221.16		221.16			
yro (readings taken upwa	50.00	-88.40	208.19		208.19			
yro (readings taken upwa	60.00	-88.38	199.03		199.03			
yro (readings taken upwa	70.00	-88.37	189.03		189.03			
yro (readings taken upwa	80.00	-88.33	182.95		182.95			
yro (readings taken upwa	90.00	-88.35	180.48		180.48			
yro (readings taken upwa	100.00	-88.56	183.49		183.49			
yro (readings taken upwa	110.00	-88.68	181.00		181.00			

Relating Certificates

LabCode	Status	CertName	CertDate	Between	and	SampleGen
SGS	QC-NR	RL1302723	9/9/2013	9.10	125.00	0

Control Samples

SampleID	mFrom	mTo	SampleCode	SampleGen	Au_ppm	WtRecvd_kg	Au_CertName
91267	29.00	31.00	2-DUPF	0	0.07	3.40	RL1302723
91288	67.00	69.00	2-DUPF	0	0.04	3.40	RL1302723
91256	9.10	11.00	2-DUPL	0	0.16		RL1302723
91302	90.00	92.00	2-DUPL	0	0.06		RL1302723
91291	71.00	73.00	Blk-BL9	0	0.00	1.20	RL1302723
91279	51.00	53.00	Std-5G-GS	0	4.83	0.17	RL1302723
91313	110.00	112.00	STD-HIGH	0	1.81	0.13	RL1302723

Number of entries per table

Litho	Alt	Minz	Geotech	Struct	Vein	Photos	Scans
4	6	1	40	32	2	0	0

Project: SpringPole
Area: Not Recorded
Claim: nr

Gold Canyon
Program: 2013
Logger: Stacey Ng

Hole name: SP13-223
Length (m): 125

Assays				Litho				
Depth (m)	SampleID	Au (ppm)	Ag (ppm)	Depth (m)	Lith1	Txtr2	Txtr2	Comments
	No Data			3.05	WTR			
9.10				9.10	OBN			
Certs= RL1302723								
11.00	91255	0.15	0.7					
13.00	91257	0.08	0.4					
15.00	91258	0.08	0.4					
17.00	91259	0.07	0.4					
19.00	91260	0.09	0.7					
21.00	91261	0.08	0.6					
23.00	91262	0.07	0.8					
25.00	91263	0.11	1.3					
27.00	91264	0.39	4					
29.00	91265	0.07	0.7					
31.00	91266	0.1	0.15					9.1-74.5m: Dark gray-green, coarse-grained to megacrystic feldspar porphyry. Moderate pervasive sericite alteration with moderate biotite alteration which is slightly more sporadic. Void space varies often, generally alternating between non to weak void. Feldspars are white, subhedral to euhedral. Megacrysts are approximately 25-30mm in length. Core is non-magnetic and 1-5%very fine-grained anhedral pyrite disseminated throughout. Carbonate reaction to 10% HCl varies and changes in conjunction with void space. Feldspars are randomly oriented and abundantly dispersed throughout. 14-15m: set of two transluscent gray, irregular and discontinuous quartz veins (5-10mm wide) 20-40m: void space where partial carbonate veinlet dissolution has occurred 30-31m: core appears to be silicified. Matrix has a glossy look. Feldspars are blurred and rounded. 31m and downhole: feldspar grains appear to become smaller in size, more coarse-grained rather than megacrystic 30m: increased presence of carboante and quartz veinlets (approximately 1-3 per meter). Most are rimmed by biotite. Generally transluscent gray to pink quartz and white carbonate. 40-60m: pyrite is still very fine-grained and evenly distributed throughout the matrix, generally at 1% 49-56m: vugs where significant dissolution has occurred 60-74.5m: biotite alteration intensity lessens to very weak to weak. Biotite presence is sporadic, as sericite becomes more pervasive 68-72m: introduction of potassium feldspar alteration? All feldspars develop a salmon pink color with occasional leaching into the sericite dominated matrix. Core also has a more glossy appearance in this interval. Euhedral, megacrystic (20-30mm) feldspars are also partially aligned at 40-50 degrees
33.00	91268	0.18	0.8					
35.00	91269	0.11	1.4					
37.00	91270	0.12	0.6					
39.00	91271	0.07	0.15					
41.00	91272	0.61	5.6					
43.00	91273	0.32	1.8		POR	CGN	MEG	
45.00	91274	0.14	1					
47.00	91275	0.28	2.2					
49.00	91276	0.08	0.9					
51.00	91277	0.11	1.9					
53.00	91278	0.1	0.6					
55.00	91280	0.26	1.4					
57.00	91281	0.19	0.8					
59.00	91282	0.15	0.7					
61.00	91283	0.14	0.5					
63.00	91284	0.07	0.4					
65.00	91285	0.36	3.3					
67.00	91286	0.07	0.4					
69.00	91287	0.05	0.4					
71.00	91289	0.03	0.4					
73.00	91290	0.04	0.6					

Project: SpringPole
Area: Not Recorded
Claim: nr

Gold Canyon
Program: 2013
Logger: Stacey Ng

Hole name: SP13-223
Length (m): 125

Assays				Litho				
Depth (m)	SampleID	Au (ppm)	Ag (ppm)	Depth (m)	Lith1	Txtr2	Txtr2	Comments
74.50	91292	0.86	2.4	74.50				
76.00	91293	0.53	0.9					
78.00	91294	0.39	0.15					
80.00	91295	0.17	0.8					
82.00	91296	0.1	0.15					
84.00	91297	0.08	0.15					
86.00	91298	0.03	0.15					
88.00	91299	0.02	0.15					
90.00	91300	0.03	0.15					74,5-125m: mostly dark gray chaotic volcanic breccia. Green where sericite alteration is more prominent (matrix of porphyry breccia clasts)
92.00	91301	0.09	0.15					74.5m: .08m foliated band/vein at 50 degrees distinctly marks a contact between the porphyry and volcanic breccia downhole
94.00	91303	0.34	0.8					74.5-125m: chaotic volcanic breccia. Breccia clasts are solely of the megacrystic to coarse-grained porphyry from above. Core is more sericitized where clasts are located, otherwise biotite seems to be the slightly more prominent alteration but both are present at moderate intensities. Clasts are fairly large (cobble to boulder sized and contain subhedral to euhedral beige feldspars. Matrix dominated volcanic breccia with clasts occurring at 3-5 per meter. Matrix is much more fine-grained with few 1-5mm euhedral to anhedral feldspars randomly distributed within. Volcanic breccia is non-magnetic, moderate to strong carbonate reaction to 10% HCL, sporadic void space and 1-5% very fine-grained anhedral pyrite disseminated throughout, mostly at 1-2%. Carbonate reaction is both in the matrix and from white carbonate veins/veinlets
96.00	91304	0.04	0.15					
98.00	91305	0.34	0.15					
100.00	91306	0.09	0.15					
102.00	91307	0.1	0.15		VBX	CBX		
104.00	91308	0.09	0.15					91-95m: medium-grained feldspars, euhedral to subhedral, all exhibit zoning (dark gray cores)
106.00	91309	0.02	0.15					100-117m: frequent change of void space intensity
108.00	91310	0.02	0.15					105.5-106.5m: tuffaceous dike-> andesite? (indeterminate rock type) fine-grained, black, indeterminate mineral abundantly dispersed throughout the matrix (non-magnetic)
110.00	91311	0.05	0.15					115.5-116.7m: increased void space and moderate to intense fracturing due to slight increase in biotite alteration?
112.00	91312	0.1	0.15					120-125m: slight decrease in clast frequency (approximately 1-2 distinct breccia clasts per meter)
114.00	91314	0.2	0.15					EOH at 125m
116.00	91315	0.32	0.15					
118.00	91316	0.05	0.15					
120.00	91317	0.08	0.15					
122.00	91318	0.09	0.15					
123.50	91319	0.03	0.15					
125.00	91320	0.04	0.15	125.00				

Project: SpringPole
Area: Not Recorded

Gold Canyon
Program: 2013
Logger: Stacey Ng

Hole name: SP13-223
Length (m): 125

Mineralization

mFrom	mTo	Pyrite_Pct	Min1	Min1_Pct	Min2	Min2_Pct	Comments
9.10	125.00	3					

Project: SpringPole
Area: Not Recorded

Gold Canyon
Program: 2013
Logger: Stacey Ng

Hole name: SP13-223
Length (m): 125

Veins

mDepth	mWidth	Vein1	Vein1_AlphaAngle	Vein1_Min1	Vein1_Min2	Vein1_Min3	Comments
36.90	0.06	QTZ	60	C	B	P	fractured, slightly pink quartz vein adjacent to conjoined with white calcite, patchy vein, intermixed with biotite stringers. Very fine-grained pyrite mostly set within the biotite. 60 degrees to top of core-axis and 60mm wide
40.40	0.04	QTZ	50				barren, transluscent gray quartz vein at 50 degrees, 35 mm wide

Project: SpringPole
Area: Not Recorded

Gold Canyon
Program: 2013
Logger: Stacey Ng

Hole name: SP13-223
Length (m): 125

Alteration

mFrom	mTo	Alt1	Int	Alt2	Int	Alt3	Int	Alt4	Int	Comments
9.10	30.00	SER	3	BIO	3					
30.00	31.00	SER	3	BIO	3	SIL	3			
31.00	68.00	SER	3	BIO	3					
68.00	72.00	SER	3	KSP	2	BIO	1			
72.00	74.50	SER	3	BIO	3					
74.50	125.00	BIO	3	SER	3					

Project: SpringPole
Area: Not Recorded

Gold Canyon
Program: 2013
Logger: Stacey Ng

Hole name: SP13-223
Length (m): 125

Color

mFrom	mTo	Color1	Int	Color2	Comments
9.10	63.00	GRY	DK	GRN	
63.00	68.00	GRN	MD	GRY	
68.00	72.00	GRN	MD	PNK	
72.00	74.50	GRN	MD	GRY	
74.50	125.00	GRY	DK	GRN	

Project: SpringPole
Area: Not Recorded

Gold Canyon
Program: 2013
Logger: Stacey Ng

Hole name: SP13-223
Length (m): 125

Carbonate and Void Space

mFrom	mTo	Void_pctCod	Carb_IntCode	Comments
9.10	11.50	1	3	
11.50	14.50	2	1	
14.50	17.00	3	0	
17.00	20.00	0	3	
20.00	22.00	2	1	
22.00	25.60	1	3	
25.60	30.20	2	1	
30.20	33.60	1	3	
33.60	34.20	3	0	
34.20	38.40	1	3	
38.40	40.00	2	2	
40.00	41.00	3	1	
41.00	43.00	1	3	
43.00	49.00	2	1	
49.00	56.00	3	1	
56.00	60.00	2	3	
60.00	64.00	1	3	
64.00	67.00	0	3	
67.00	76.00	1	3	
76.00	79.00	0	3	
79.00	87.00	1	3	
87.00	91.00	1	4	
91.00	92.00	2	4	
92.00	97.00	0	4	
97.00	98.00	1	4	
98.00	103.00	0	4	
103.00	105.00	2	2	
105.00	106.00	2	1	
106.00	109.00	3	1	
109.00	111.00	1	4	
111.00	115.50	0	4	
115.50	117.00	3	1	
117.00	125.00	0	4	

Project: SpringPole
Area: Not Recorded

Gold Canyon
Program: 2013
Logger: Stacey Ng

Hole name: SP13-223
Length (m): 125

Geotech

mFrom	mTo	Recov_m	Recov_pct	RQD_m	RQD_pct	StrengthCo	Comments
9.10	10.50	1.4	100	1.4	100	8	
10.50	11.00	0.8	160	0.8	160	8	
11.00	14.00	2.9	96.7	2.7	90	7	
14.00	17.00	3	100	2.45	81.7	8	
17.00	20.00	3	100	2.9	96.7	8	
20.00	23.00	3	100	2.2	73.3	7	
23.00	26.00	3	100	2.8	93.3	7	
26.00	29.00	3.1	103.3	2.5	83.3	7	
29.00	32.00	2.6	86.7	2.5	83.3	8	
32.00	35.00	3	100	2.7	90	8	
35.00	38.00	3	100	2.8	93.3	7	
38.00	41.00	3	100	2.3	76.7	7	
41.00	44.00	3	100	2.98	99.3	8	
44.00	47.00	3.1	103.3	2.6	86.7	8	
47.00	50.00	2.9	96.7	2.7	90	8	
50.00	53.00	3	100	2.5	83.3	8	
53.00	56.00	2.9	96.7	2.3	76.7	8	
56.00	59.00	3	100	2	66.7	8	
59.00	62.00	2.9	96.7	2.9	96.7	8	
62.00	65.00	3	100	3	100	8	
65.00	68.00	2.9	96.7	2.6	86.7	8	
68.00	71.00	2.8	93.3	2.8	93.3	8	
71.00	74.00	2.9	96.7	2.6	86.7	8	
74.00	77.00	2.9	96.7	2.8	93.3	8	
77.00	80.00	3	100	3	100	8	
80.00	83.00	2.7	90	2.7	90	8	
83.00	86.00	3.2	106.7	3.2	106.7	8	
86.00	89.00	3	100	2.2	73.3	8	
89.00	92.00	3.1	103.3	2.9	96.7	8	
92.00	95.00	3.1	103.3	2.7	90	8	
95.00	98.00	2.9	96.7	2.8	93.3	8	
98.00	101.00	2.9	96.7	2.9	96.7	8	
101.00	104.00	3	100	2.8	93.3	7	
104.00	107.00	2.9	96.7	1.3	43.3	7	

Project: SpringPole
Area: Not Recorded

Gold Canyon
Program: 2013
Logger: Stacey Ng

Hole name: SP13-223
Length (m): 125

Geotech

mFrom	mTo	Recov_m	Recov_pct	RQD_m	RQD_pct	StrengthCo	Comments
107.00	110.00	2.9	96.7	2.7	90	8	
110.00	113.00	3	100	3	100	8	
113.00	116.00	2.9	96.7	2.5	83.3	7	
116.00	119.00	2.9	96.7	2.2	73.3	8	
119.00	122.00	2.9	96.7	2.9	96.7	8	
122.00	125.00	2.9	96.7	2.9	96.7	8	

Gold Canyon

Project	SpringPole			*Hole name*	**SV13-224**
Area	Not Recorded	*Program*	2013	*Length (m)*	45.72
Claim	nr	*Hole Type*	Diamond Drill	*Size*	HQ
Drill Contractor	Rodren	*Other Hole name*		*Data Origin*	KDB198-THINK
Drill Rig		*Cassing Pulled*	Unknown	*Data Date*	2/11/2014
Date Started		*Cassing (m)*		*Data BY*	kdb198
Date Finished					
Logger	Eli Friedman	*Log Date*			
Target					
Hole Comments					
Collar survey Date		*Survey By*	Not Applicable	*Method*	Garmin Handheld GPS

Survey Notes Elevation taken from Lidar Survey. No notes on lake elevation at time of drilling.

Collar coordinates

Grid	Name	x	Y	z	Az	Dip
Original	UTM84-15N	549,377.00	5,693,753.00	391.00	0.00	-90.00
Preferred	UTM84-15N	549,377.00	5,693,753.00	391.00	0.00	
Local						
Lat Long						

Down-hole surveys

SurveyDHDesc	mDepth	Dip	AzOrig	AzLocal	AzPref	AzMag	MagField	Remarks

Relating Certificates

LabCode	Status	CertName	CertDate	Between	and	SampleGen
SGS	QC-NR	RL1303464	10/26/2013	29.50	45.72	0

Control Samples

SampleID	mFrom	mTo	SampleCode	SampleGen	Au_ppm	WtRecvd_kg	Au_CertName

Number of entries per table

Litho	Alt	Minz	Geotech	Struct	Vein	Photos	Scans
5	0	0	0	0	0	0	0

Project: SpringPole
Area: Not Recorded
Claim: nr

Gold Canyon
Program: 2013
Logger: Eli Friedman

Hole name: SV13-224
Length (m): 45.72

Assays

Depth (m)	SampleID	Au (ppm)	Ag (ppm)
29.50	NoSample201		
Certs= RL1303464			
30.00	90001	0.02	
30.50	NoSample202		
31.00	90002	0.01	
32.50	90003	0.005	1
33.50	NoSample203		
34.00	90004	0.005	1
35.00	NoSample204		
35.50	90005	0.005	1
36.50	NoSample205		
37.00	90006	0.005	1
38.10	NoSample206		
40.64	90007	0.005	1
43.18	90008	0.005	1
45.72	90009	0.005	1

Litho

Depth (m)	Lith1	Txtr2	Txtr2	Comments
28.90	OBN-Wtr			
33.00	OBN-HO			Loon shit taken with Shelby tube
38.10	OBN-Cly			
45.40	OBN-Scly			
45.70	OBN-Till			

Project: SpringPole
Area: Not Recorded

Gold Canyon
Program: 2013
Logger: Eli Friedman

Hole name: SV13-224
Length (m): 45.72

Mineralization

mFrom	mTo	Pyrite_Pct	Min1	Min1_Pct	Min2	Min2_Pct	Comments

Project: SpringPole
Area: Not Recorded

Gold Canyon
Program: 2013
Logger: Eli Friedman

Hole name: SV13-224
Length (m): 45.72

Veins

mDepth	mWidth	Vein1	Vein1_AlphaAngle	Vein1_Min1	Vein1_Min2	Vein1_Min3	Comments

Project: SpringPole
Area: Not Recorded

Gold Canyon
Program: 2013
Logger: Eli Friedman

Hole name: SV13-224
Length (m): 45.72

Alteration

mFrom	mTo	Alt1	Int	Alt2	Int	Alt3	Int	Alt4	Int	Comments

Project: SpringPole
Area: Not Recorded

Gold Canyon
Program: 2013
Logger: Eli Friedman

Hole name: SV13-224
Length (m): 45.72

Color

mFrom	mTo	Color1	Int	Color2	Comments

Project: SpringPole
Area: Not Recorded

Gold Canyon
Program: 2013
Logger: Eli Friedman

Hole name: SV13-224
Length (m): 45.72

Carbonate and Void Space

mFrom	mTo	Void_pctCode	Carb_IntCode	Comments

Project: SpringPole
Area: Not Recorded

Gold Canyon
Program: 2013
Logger: Eli Friedman

Hole name: SV13-224
Length (m): 45.72

Geotech

mFrom	mTo	Recov_m	Recov_pct	RQD_m	RQD_pct	StrengthCo	Comments

Gold Canyon

Project	SpringPole	*Program*	2013	*Hole name*	**SV13-225**
Area	Not Recorded	*Hole Type*	Diamond Drill	*Length (m)*	71.3
Claim	nr			*Size*	HQ
Drill Contractor	Rodren	*Other Hole name*		*Data Origin*	KDB198-THINK
Drill Rig		*Cassing Pulled*	Unknown	*Data Date*	2/11/2014
Date Started	10/2/2013	*Cassing (m)*	23	*Data BY*	kdb198
Date Finished	10/2/2013				
Logger		*Log Date*			
Target					
Hole Comments					
Collar survey Date		*Survey By*	Not Applicable	*Method*	Garmin Handheld GPS

Survey Notes Elevation taken from Lidar Survey. No notes on lake elevation at time of drilling.

Collar coordinates

Grid	Name	x	Y	z	Az	Dip
Original	UTM84-15N	549,342.00	5,693,712.00	391.00	0.00	-90.00
Preferred	UTM84-15N	549,342.00	5,693,712.00	391.00	0.00	
Local						
Lat Long						

Down-hole surveys

SurveyDHDesc	mDepth	Dip	AzOrig	AzLocal	AzPref	AzMag	MagField	Remarks

Relating Certificates

LabCode	Status	CertName	CertDate	Between	and	SampleGen
SGS	QC-NR	RL1303463	10/26/2013	67.10	71.30	0
SGS	QC-NR	RL1303464	10/26/2013	26.00	67.10	0

Control Samples

SampleID	mFrom	mTo	SampleCode	SampleGen	Au_ppm	WtRecvd_kg	Au_CertName

Number of entries per table

Litho	Alt	Minz	Geotech	Struct	Vein	Photos	Scans
6	0	0	0	0	0	0	0

Project: SpringPole
Area: Not Recorded
Claim: nr

Gold Canyon
Program: 2013
Logger:

Hole name: SV13-225
Length (m): 71.3

Assays

Depth (m)	SampleID	Au (ppm)	Ag (ppm)
26.00	NoSample207		
Certs= RL1303464			
26.50	90010	0.02	
27.50	NoSample208		
28.00	90011	0.01	
29.00	NoSample209		
29.50	90012	0.02	
30.50	NoSample210		
31.00	90013	0.005	1
32.00	NoSample211		
32.50	90014	0.005	1
33.50	NoSample212		
34.00	90015	0.005	1
35.00	NoSample213		
35.50	90016	0.005	1
36.50	NoSample214		
37.00	90017	0.005	1
38.00	NoSample215		
39.00	90018	0.005	1
39.60	NoSample216		
40.00	90019	0.005	1
42.70	90020	0.005	1
45.72	90021	0.005	1
48.80	90022	0.005	1
51.80	90023	0.005	1
54.90	90024	0.005	1
57.90	90025	0.01	1
61.00	90026	0.005	1
64.00	90027	0.09	1
67.10	90028	0.005	1
Certs= RL1303463			
	90029	0.1	1.4

Litho

Depth (m)	Lith1	Txtr2	Txtr2	Comments
24.70	OBN-Wtr			
29.00	OBN-HO			At 29ft. Brown clay- starting to get hard. Only penetrate about 8" on drop.
39.30	OBN-Cly			Gray clay
70.10	OBN-Scly			
71.00	OBN-Till			

Project: SpringPole
Area: Not Recorded
Claim: nr

Gold Canyon
Program: 2013
Logger:

Hole name: SV13-225
Length (m): 71.3

Assays				Litho				
Depth (m)	SampleID	Au (ppm)	Ag (ppm)	Depth (m)	Lith1	Txtr2	Txtr2	Comments
71.30				71.30	POR			

Project: SpringPole
Area: Not Recorded

Gold Canyon
Program: 2013
Logger:

Hole name: SV13-225
Length (m): 71.3

Mineralization

mFrom	mTo	Pyrite_Pct	Min1	Min1_Pct	Min2	Min2_Pct	Comments

Project: SpringPole
Area: Not Recorded

Gold Canyon
Program: 2013
Logger:

Hole name: SV13-225
Length (m): 71.3

Veins

mDepth	mWidth	Vein1	Vein1_AlphaAngle	Vein1_Min1	Vein1_Min2	Vein1_Min3	Comments

Project: SpringPole
Area: Not Recorded

Gold Canyon
Program: 2013
Logger:

Hole name: SV13-225
Length (m): 71.3

Alteration

mFrom	mTo	Alt1	Int	Alt2	Int	Alt3	Int	Alt4	Int	Comments

Project: SpringPole
Area: Not Recorded

Gold Canyon
Program: 2013
Logger:

Hole name: SV13-225
Length (m): 71.3

Color

mFrom	mTo	Color1	Int	Color2	Comments

Project: SpringPole
Area: Not Recorded

Gold Canyon
Program: 2013
Logger:

Hole name: SV13-225
Length (m): 71.3

Carbonate and Void Space

mFrom	mTo	Void_pctCode	Carb_IntCode	Comments

Project: SpringPole
Area: Not Recorded

Gold Canyon
Program: 2013
Logger:

Hole name: SV13-225
Length (m): 71.3

Geotech

mFrom	mTo	Recov_m	Recov_pct	RQD_m	RQD_pct	StrengthCo	Comments

Gold Canyon

Project	SpringPole	*Program*	2013	*Hole name*	**SV13-226**
Area	Not Recorded	*Hole Type*	Diamond Drill	*Length (m)*	46.6
Claim	nr			*Size*	HQ
Drill Contractor	Rodren	*Other Hole name*		*Data Origin*	KDB198-THINK
Drill Rig		*Cassing Pulled*	Unknown	*Data Date*	2/11/2014
Date Started	10/3/2013	*Cassing (m)*	22.8	*Data BY*	kdb198
Date Finished	10/3/2013				
Logger		*Log Date*			
Target					
Hole Comments					
Collar survey Date		*Survey By*		*Method*	Garmin Handheld GPS
Survey Notes	Elevation taken from Lidar Survey. No notes on lake elevation at time of drilling.				

Collar coordinates

Grid	Name	x	Y	z	Az	Dip
Original	UTM84-15N	549,405.00	5,693,781.00	391.00	0.00	-90.00
Preferred	UTM84-15N	549,405.00	5,693,781.00	391.00	0.00	
Local						
Lat Long						

Down-hole surveys

SurveyDHDesc	mDepth	Dip	AzOrig	AzLocal	AzPref	AzMag	MagField	Remarks

Relating Certificates

LabCode	Status	CertName	CertDate	Between	and	SampleGen
SGS	QC-NR	RL1303463	10/26/2013	39.60	46.60	0
SGS	QC-NR	RL1303465	10/26/2013	22.80	39.60	0

Control Samples

SampleID	mFrom	mTo	SampleCode	SampleGen	Au_ppm	WtRecvd_kg	Au_CertName

Number of entries per table

Litho	Alt	Minz	Geotech	Struct	Vein	Photos	Scans
4	0	0	0	0	0	0	0

Project: SpringPole
Area: Not Recorded
Claim: nr

Gold Canyon
Program: 2013
Logger:

Hole name: SV13-226
Length (m): 46.6

Assays

Depth (m)	SampleID	Au (ppm)	Ag (ppm)
22.80	NoSample217		
Certs= RL1303465			
23.50	90030	0.02	
24.30	NoSample218		
25.00	90031	0.01	1
26.00	NoSample219		
26.50	90032	0.04	1
27.50	NoSample220		
28.00	90033	0.005	1
30.48	NoSample221		
33.50	90034	0.02	1
36.60	90035	0.02	1
39.60	90036	0.005	1
Certs= RL1303463			
42.70	90037	0.9	2.1
45.72	90038	0.69	5.4
46.60	90039	0.54	0.8

Litho

Depth (m)	Lith1	Txtr2	Txtr2	Comments
22.30	OBN-Wtr			
24.70	OBN-HO			High organics from 80-81ft, then contact with moderate grey clay.
29.60	OBN-Cly			
46.60	OBN-Till			

Project: SpringPole
Area: Not Recorded

Gold Canyon
Program: 2013
Logger:

Hole name: SV13-226
Length (m): 46.6

Mineralization

mFrom	mTo	Pyrite_Pct	Min1	Min1_Pct	Min2	Min2_Pct	Comments

Project: SpringPole
Area: Not Recorded

Gold Canyon
Program: 2013
Logger:

Hole name: SV13-226
Length (m): 46.6

Veins

mDepth	mWidth	Vein1	Vein1_AlphaAngle	Vein1_Min1	Vein1_Min2	Vein1_Min3	Comments

Project: SpringPole
Area: Not Recorded

Gold Canyon
Program: 2013
Logger:

Hole name: SV13-226
Length (m): 46.6

Alteration

mFrom	mTo	Alt1	Int	Alt2	Int	Alt3	Int	Alt4	Int	Comments

Project: SpringPole
Area: Not Recorded

Gold Canyon
Program: 2013
Logger:

Hole name: SV13-226
Length (m): 46.6

Color

mFrom	mTo	Color1	Int	Color2	Comments

Project: SpringPole
Area: Not Recorded

Gold Canyon
Program: 2013
Logger:

Hole name: SV13-226
Length (m): 46.6

Carbonate and Void Space

mFrom	mTo	Void_pctCode	Carb_IntCode	Comments

Project: SpringPole
Area: Not Recorded

Gold Canyon
Program: 2013
Logger:

Hole name: SV13-226
Length (m): 46.6

Geotech

mFrom	mTo	Recov_m	Recov_pct	RQD_m	RQD_pct	StrengthCo	Comments

Gold Canyon

Project	SpringPole	*Program*	2013	*Hole name*	**SV13-227**
Area	Not Recorded	*Hole Type*	Diamond Drill	*Length (m)*	24.4
Claim	nr			*Size*	HQ
Drill Contractor	Rodren	*Other Hole name*		*Data Origin*	KDB198-THINK
Drill Rig		*Casing Pulled*	Unknown	*Data Date*	2/11/2014
Date Started	10/4/2013	*Casing (m)*	15.2	*Data BY*	kdb198
Date Finished	10/4/2013				
Logger		*Log Date*			
Target					
Hole Comments					
Collar survey Date		*Survey By*		*Method*	Garmin Handheld GPS
Survey Notes	Elevation taken from Lidar Survey. No notes on lake elevation at time of drilling.				

Collar coordinates

Grid	Name	x	Y	z	Az	Dip
Original	UTM84-15N	549,260.00	5,693,930.00	391.00	0.00	-90.00
Preferred	UTM84-15N	549,260.00	5,693,930.00	391.00	0.00	
Local						
Lat Long						

Down-hole surveys

SurveyDHDesc	mDepth	Dip	AzOrig	AzLocal	AzPref	AzMag	MagField	Remarks

Relating Certificates

LabCode	Status	CertName	CertDate	Between	and	SampleGen
SGS	QC-NR	RL1303465	10/26/2013	15.24	24.40	0

Control Samples

SampleID	mFrom	mTo	SampleCode	SampleGen	Au_ppm	WtRecvd_kg	Au_CertName
90043	24.40		nr	0	0.04	1.50	RL1303465

Number of entries per table

Litho	Alt	Minz	Geotech	Struct	Vein	Photos	Scans
3	0	0	0	0	0	0	0

Project: SpringPole
Area: Not Recorded
Claim: nr

Gold Canyon
Program: 2013
Logger:

Hole name: SV13-227
Length (m): 24.4

Assays				Litho				
Depth (m)	SampleID	Au (ppm)	Ag (ppm)	Depth (m)	Lith1	Txtr2	Txtr2	Comments
15.24	NoSample222			14.60	OBN-Wtr			
				15.20	OBN-HO			
Certs= RL1303465								
18.30	90040	0.07	1		OBN-Till			
21.30	90041	0.17	1					
24.40	90042	0.01	1	33.50				

Project: SpringPole
Area: Not Recorded

Gold Canyon
Program: 2013
Logger:

Hole name: SV13-227
Length (m): 24.4

Mineralization

mFrom	mTo	Pyrite_Pct	Min1	Min1_Pct	Min2	Min2_Pct	Comments

Project: SpringPole
Area: Not Recorded

Gold Canyon
Program: 2013
Logger:

Hole name: SV13-227
Length (m): 24.4

Veins

mDepth	mWidth	Vein1	Vein1_AlphaAngle	Vein1_Min1	Vein1_Min2	Vein1_Min3	Comments

Project: SpringPole
Area: Not Recorded

Gold Canyon
Program: 2013
Logger:

Hole name: SV13-227
Length (m): 24.4

Alteration

mFrom	mTo	Alt1	Int	Alt2	Int	Alt3	Int	Alt4	Int	Comments

Project: SpringPole
Area: Not Recorded

Gold Canyon
Program: 2013
Logger:

Hole name: SV13-227
Length (m): 24.4

Color

mFrom	mTo	Color1	Int	Color2	Comments

Project: SpringPole
Area: Not Recorded

Gold Canyon
Program: 2013
Logger:

Hole name: SV13-227
Length (m): 24.4

Carbonate and Void Space

mFrom	mTo	Void_pctCode	Carb_IntCode	Comments

Project: SpringPole
Area: Not Recorded

Gold Canyon
Program: 2013
Logger:

Hole name: SV13-227
Length (m): 24.4

Geotech

mFrom	mTo	Recov_m	Recov_pct	RQD_m	RQD_pct	StrengthCo	Comments

Gold Canyon

Project	SpringPole	*Program*	2013	*Hole name*	**SV13-228**
Area	Not Recorded	*Hole Type*	Diamond Drill	*Length (m)*	40.08
Claim	nr			*Size*	HQ
Drill Contractor	Rodren	*Other Hole name*		*Data Origin*	KDB198-THINK
Drill Rig		*Cassing Pulled*	Unknown	*Data Date*	2/11/2014
Date Started	10/4/2013	*Cassing (m)*	24.4	*Data BY*	kdb198
Date Finished	10/4/2013				
Logger		*Log Date*			
Target					
Hole Comments					
Collar survey Date		*Survey By*		*Method*	
Survey Notes	Elevation taken from Lidar Survey. No notes on lake elevation at time of drilling.				

Collar coordinates

Grid	Name	x	Y	z	Az	Dip
Original	UTM84-15N	549,231.00	5,693,889.00	391.00	0.00	-90.00
Preferred	UTM84-15N	549,231.00	5,693,889.00	391.00	0.00	
Local						
Lat Long						

Down-hole surveys

SurveyDHDesc	mDepth	Dip	AzOrig	AzLocal	AzPref	AzMag	MagField	Remarks

Relating Certificates

LabCode	Status	CertName	CertDate	Between	and	SampleGen
SGS	QC-NR	RL1303465	10/26/2013	24.40	40.08	0

Control Samples

SampleID	mFrom	mTo	SampleCode	SampleGen	Au_ppm	WtRecvd_kg	Au_CertName

Number of entries per table

Litho	Alt	Minz	Geotech	Struct	Vein	Photos	Scans
4	0	0	0	0	0	0	0

Project: SpringPole
Area: Not Recorded
Claim: nr

Gold Canyon
Program: 2013
Logger:

Hole name: SV13-228
Length (m): 40.08

Assays

Depth (m)	SampleID	Au (ppm)	Ag (ppm)
24.40	NoSample223		
Certs= RL1303465			
25.00	90044	0.08	
26.00	NoSample224		
26.50	90045	0.02	
27.50	NoSample225		
28.00	90046	0.005	
29.00	NoSample226		
29.50	90047	0.005	1
30.50	NoSample227		
31.00	90048	0.005	1
32.00	NoSample228		
32.50	90049	0.02	1
33.50	NoSample229		
34.00	90050	0.08	
39.60	NoSample230		
40.08	90051	0.02	1

Litho

Depth (m)	Lith1	Txtr2	Txtr2	Comments
23.50	OBN-Wtr			
28.00	OBN-HO			Dark to medium brown organics.
38.50	OBN-Cly			Med gray clay with sand layers
40.10	OBN-Till			Had rock jammed in pipe at 40.08 m

Project: SpringPole
Area: Not Recorded

Gold Canyon
Program: 2013
Logger:

Hole name: SV13-228
Length (m): 40.08

Mineralization

mFrom	mTo	Pyrite_Pct	Min1	Min1_Pct	Min2	Min2_Pct	Comments

Project: SpringPole
Area: Not Recorded

Gold Canyon
Program: 2013
Logger:

Hole name: SV13-228
Length (m): 40.08

Veins

mDepth	mWidth	Vein1	Vein1_AlphaAngle	Vein1_Min1	Vein1_Min2	Vein1_Min3	Comments

Project: SpringPole
Area: Not Recorded

Gold Canyon
Program: 2013
Logger:

Hole name: SV13-228
Length (m): 40.08

Alteration

mFrom	mTo	Alt1	Int	Alt2	Int	Alt3	Int	Alt4	Int	Comments

Project: SpringPole
Area: Not Recorded

Gold Canyon
Program: 2013
Logger:

Hole name: SV13-228
Length (m): 40.08

Color

mFrom	mTo	Color1	Int	Color2	Comments

Project: SpringPole
Area: Not Recorded

Gold Canyon
Program: 2013
Logger:

Hole name: SV13-228
Length (m): 40.08

Carbonate and Void Space

mFrom	mTo	Void_pctCode	Carb_IntCode	Comments

Project: SpringPole
Area: Not Recorded

Gold Canyon
Program: 2013
Logger:

Hole name: SV13-228
Length (m): 40.08

Geotech

mFrom	mTo	Recov_m	Recov_pct	RQD_m	RQD_pct	StrengthCo	Comments

Gold Canyon

Project	SpringPole	*Program*	2013	*Hole name*	**SV13-229**
Area	Not Recorded	*Hole Type*	Diamond Drill	*Length (m)*	43.28
Claim	nr			*Size*	HQ
Drill Contractor	Rodren	*Other Hole name*		*Data Origin*	KDB198-THINK
Drill Rig		*Cassing Pulled*	Unknown	*Data Date*	2/11/2014
Date Started	10/5/2013	*Cassing (m)*	24.4	*Data BY*	kdb198
Date Finished	10/5/2013				
Logger		*Log Date*			
Target					
Hole Comments					
Collar survey Date		*Survey By*		*Method*	Garmin Handheld GPS
Survey Notes	Elevation taken from Lidar Survey. No notes on lake elevation at time of drilling.				

Collar coordinates

Grid	Name	x	Y	z	Az	Dip
Original	UTM84-15N	549,202.00	5,693,853.00	391.00	0.00	-90.00
Preferred	UTM84-15N	549,202.00	5,693,853.00	391.00	0.00	
Local						
Lat Long						

Down-hole surveys

SurveyDHDesc	mDepth	Dip	AzOrig	AzLocal	AzPref	AzMag	MagField	Remarks

Relating Certificates

LabCode	Status	CertName	CertDate	Between	and	SampleGen
SGS	QC-NR	RL1303465	10/26/2013	26.00	40.00	0

Control Samples

SampleID	mFrom	mTo	SampleCode	SampleGen	Au_ppm	WtRecvd_kg	Au_CertName

Number of entries per table

Litho	Alt	Minz	Geotech	Struct	Vein	Photos	Scans
4	0	0	0	0	0	0	0

Project: SpringPole
Area: Not Recorded
Claim: nr

Gold Canyon
Program: 2013
Logger:

Hole name: SV13-229
Length (m): 43.28

Assays

Depth (m)	SampleID	Au (ppm)	Ag (ppm)
26.00	NoSample231		
Certs= RL1303465			
26.50	90052	0.005	
27.50	NoSample232		
28.00	90053	0.01	
29.00	NoSample233		
29.50	90054	0.005	
30.50	NoSample234		
31.00	90055	0.005	
32.00	NoSample235		
32.50	90056	0.01	1
33.50	NoSample236		
34.00	90057	0.005	1
35.00	NoSample237		
35.50	90058	0.005	1
36.50	NoSample238		
37.00	90059	0.02	
38.00	NoSample239		
38.50	90060	0.005	1
39.50	NoSample240		
40.00	90061	0.04	1
43.28	NoSample241		

Litho

Depth (m)	Lith1	Txtr2	Txtr2	Comments
24.70	OBN-Wtr			
29.60	OBN-HO			High organics, had clay in very bottom
40.20	OBN-Cly			Organics streaked through clay, medium-light brown grey
43.30	OBN-Till			Fine sand but did not get any sample with split. Put on vibracore at 130ft to 142ft.

Project: SpringPole
Area: Not Recorded

Gold Canyon
Program: 2013
Logger:

Hole name: SV13-229
Length (m): 43.28

Mineralization

mFrom	mTo	Pyrite_Pct	Min1	Min1_Pct	Min2	Min2_Pct	Comments

Project: SpringPole
Area: Not Recorded

Gold Canyon
Program: 2013
Logger:

Hole name: SV13-229
Length (m): 43.28

Veins

mDepth	mWidth	Vein1	Vein1_AlphaAngle	Vein1_Min1	Vein1_Min2	Vein1_Min3	Comments

Project: SpringPole
Area: Not Recorded

Gold Canyon
Program: 2013
Logger:

Hole name: SV13-229
Length (m): 43.28

Alteration

mFrom	mTo	Alt1	Int	Alt2	Int	Alt3	Int	Alt4	Int	Comments

Project: SpringPole
Area: Not Recorded

Gold Canyon
Program: 2013
Logger:

Hole name: SV13-229
Length (m): 43.28

Color

mFrom	mTo	Color1	Int	Color2	Comments

Project: SpringPole
Area: Not Recorded

Gold Canyon
Program: 2013
Logger:

Hole name: SV13-229
Length (m): 43.28

Carbonate and Void Space

mFrom	mTo	Void_pctCode	Carb_IntCode	Comments

Project: SpringPole
Area: Not Recorded

Gold Canyon
Program: 2013
Logger:

Hole name: SV13-229
Length (m): 43.28

Geotech

mFrom	mTo	Recov_m	Recov_pct	RQD_m	RQD_pct	StrengthCo	Comments

Gold Canyon

Project	SpringPole			*Hole name*	**SV13-230**
Area	Not Recorded	*Program*	2013	*Length (m)*	41.1
Claim	nr	*Hole Type*	Diamond Drill	*Size*	HQ
Drill Contractor	Rodren	*Other Hole name*		*Data Origin*	KDB198-THINK
Drill Rig		*Cassing Pulled*	Unknown	*Data Date*	2/11/2014
Date Started	10/6/2013	*Cassing (m)*		*Data BY*	kdb198
Date Finished	10/6/2013				
Logger		*Log Date*			
Target					
Hole Comments					
Collar survey Date		*Survey By*		*Method*	Garmin Handheld GPS
Survey Notes	Elevation taken from Lidar Survey. No notes on lake elevation at time of drilling.				

Collar coordinates

Grid	Name	x	Y	z	Az	Dip
Original	UTM84-15N	549,294.00	5,693,890.00	391.00	0.00	-90.00
Preferred	UTM84-15N	549,294.00	5,693,890.00	391.00	0.00	
Local						
Lat Long						

Down-hole surveys

SurveyDHDesc	mDepth	Dip	AzOrig	AzLocal	AzPref	AzMag	MagField	Remarks

Relating Certificates

LabCode	Status	CertName	CertDate	Between	and	SampleGen
SGS	QC-NR	RL1303463	10/26/2013	33.02	41.10	0
SGS	QC-NR	RL1303465	10/26/2013	18.20	33.02	0

Control Samples

SampleID	mFrom	mTo	SampleCode	SampleGen	Au_ppm	WtRecvd_kg	Au_CertName

Number of entries per table

Litho	Alt	Minz	Geotech	Struct	Vein	Photos	Scans
4	0	0	0	0	0	0	0

Project: SpringPole
Area: Not Recorded
Claim: nr

Gold Canyon
Program: 2013
Logger:

Hole name: SV13-230
Length (m): 41.1

Assays

Depth (m)	SampleID	Au (ppm)	Ag (ppm)
18.20	NoSample242		
Certs= RL1303465			
18.80	90062	0.005	
19.80	NoSample243		
20.40	90063	0.005	1
21.30	NoSample244		
21.90	90064	0.02	1
22.86	NoSample245		
24.89	90065	0.01	1
26.92	90066	0.01	1
28.96	90067	0.01	1
30.99	90068	0.11	1
33.02	90069	0.49	5
Certs= RL1303463			
35.10	90070	0.45	0.9
37.10	90071	0.29	0.7
39.20	90072	0.32	0.8
41.10	90073	0.25	8.3

Litho

Depth (m)	Lith1	Txtr2	Txtr2	Comments
18.00	OBN-Wtr			
23.50	OBN-Cly			Grey clay, no loon shit
35.00	OBN-Till			
41.20	POR			

Project: SpringPole
Area: Not Recorded

Gold Canyon
Program: 2013
Logger:

Hole name: SV13-230
Length (m): 41.1

Mineralization

mFrom	mTo	Pyrite_Pct	Min1	Min1_Pct	Min2	Min2_Pct	Comments

Project: SpringPole
Area: Not Recorded

Gold Canyon
Program: 2013
Logger:

Hole name: SV13-230
Length (m): 41.1

Veins

mDepth	mWidth	Vein1	Vein1_AlphaAngle	Vein1_Min1	Vein1_Min2	Vein1_Min3	Comments

Project: SpringPole
Area: Not Recorded

Gold Canyon
Program: 2013
Logger:

Hole name: SV13-230
Length (m): 41.1

Alteration

mFrom	mTo	Alt1	Int	Alt2	Int	Alt3	Int	Alt4	Int	Comments

Project: SpringPole
Area: Not Recorded

Gold Canyon
Program: 2013
Logger:

Hole name: SV13-230
Length (m): 41.1

Color

mFrom	mTo	Color1	Int	Color2	Comments

Project: SpringPole
Area: Not Recorded

Gold Canyon
Program: 2013
Logger:

Hole name: SV13-230
Length (m): 41.1

Carbonate and Void Space

mFrom	mTo	Void_pctCode	Carb_IntCode	Comments

Project: SpringPole
Area: Not Recorded

Gold Canyon
Program: 2013
Logger:

Hole name: SV13-230
Length (m): 41.1

Geotech

mFrom	mTo	Recov_m	Recov_pct	RQD_m	RQD_pct	StrengthCo	Comments

Gold Canyon

Project	SpringPole	*Program*	2013	*Hole name*	**SV13-231**
Area	Not Recorded	*Hole Type*	Diamond Drill	*Length (m)*	33.5
Claim	nr			*Size*	NQ
Drill Contractor	Rodren	*Other Hole name*		*Data Origin*	KDB198-THINK
Drill Rig		*Casing Pulled*	Unknown	*Data Date*	2/11/2014
Date Started	10/8/2013	*Casing (m)*	21.3	*Data BY*	kdb198
Date Finished	10/8/2013				
Logger		*Log Date*			
Target					
Hole Comments					
Collar survey Date		*Survey By*		*Method*	Garmin Handheld GPS
Survey Notes	Elevation taken from Lidar Survey. No notes on lake elevation at time of drilling.				

Collar coordinates

Grid	Name	x	Y	z	Az	Dip
Original	UTM84-15N	549,324.00	5,693,851.00	391.00	0.00	-90.00
Preferred	UTM84-15N	549,324.00	5,693,851.00	391.00	0.00	
Local						
Lat Long						

Down-hole surveys

SurveyDHDesc	mDepth	Dip	AzOrig	AzLocal	AzPref	AzMag	MagField	Remarks

Relating Certificates

LabCode	Status	CertName	CertDate	Between	and	SampleGen
SGS	QC-NR	RL1303466	10/26/2013	22.86	28.00	0

Control Samples

SampleID	mFrom	mTo	SampleCode	SampleGen	Au_ppm	WtRecvd_kg	Au_CertName
90078	28.00		nr	0	0.02	1.70	RL1303466

Number of entries per table

Litho	Alt	Minz	Geotech	Struct	Vein	Photos	Scans
3	0	0	0	0	0	0	0

Project: SpringPole
Area: Not Recorded
Claim: nr

Gold Canyon
Program: 2013
Logger:

Hole name: SV13-231
Length (m): 33.5

Assays				Litho				
Depth (m)	SampleID	Au (ppm)	Ag (ppm)	Depth (m)	Lith1	Txtr2	Txtr2	Comments
22.86	NoSample246			22.30	OBN-Wtr			
Certs= RL1303466				24.70	OBN-HO			
23.50	90074	0.01						
24.40	NoSample247							
25.00	90075	0.005	1					
25.90	NoSample248			34.40	OBN-Till			
26.50	90076	0.005	1					
27.40	NoSample249							
28.00	90077	0.02	1					
33.50	NoSample250							

Project: SpringPole
Area: Not Recorded

Gold Canyon
Program: 2013
Logger:

Hole name: SV13-231
Length (m): 33.5

Mineralization

mFrom	mTo	Pyrite_Pct	Min1	Min1_Pct	Min2	Min2_Pct	Comments

Project: SpringPole
Area: Not Recorded

Gold Canyon
Program: 2013
Logger:

Hole name: SV13-231
Length (m): 33.5

Veins

mDepth	mWidth	Vein1	Vein1_AlphaAngle	Vein1_Min1	Vein1_Min2	Vein1_Min3	Comments

Project: SpringPole
Area: Not Recorded

Gold Canyon
Program: 2013
Logger:

Hole name: SV13-231
Length (m): 33.5

Alteration

mFrom	mTo	Alt1	Int	Alt2	Int	Alt3	Int	Alt4	Int	Comments

Project: SpringPole
Area: Not Recorded

Gold Canyon
Program: 2013
Logger:

Hole name: SV13-231
Length (m): 33.5

Color

mFrom	mTo	Color1	Int	Color2	Comments

Project: SpringPole
Area: Not Recorded

Gold Canyon
Program: 2013
Logger:

Hole name: SV13-231
Length (m): 33.5

Carbonate and Void Space

mFrom	mTo	Void_pctCode	Carb_IntCode	Comments

Project: SpringPole
Area: Not Recorded

Gold Canyon
Program: 2013
Logger:

Hole name: SV13-231
Length (m): 33.5

Geotech

mFrom	mTo	Recov_m	Recov_pct	RQD_m	RQD_pct	StrengthCo	Comments

Gold Canyon

Project	SpringPole			*Hole name*	**SV13-232**
Area	Not Recorded	*Program*	2013	*Length (m)*	56.4
Claim	nr	*Hole Type*	Diamond Drill	*Size*	NQ
Drill Contractor	Rodren	*Other Hole name*		*Data Origin*	KDB198-THINK
Drill Rig		*Cassing Pulled*	Unknown	*Data Date*	2/11/2014
Date Started	10/9/2013	*Cassing (m)*	24.4	*Data BY*	kdb198
Date Finished	10/9/2013				
Logger	Eli Friedman	*Log Date*			
Target					
Hole Comments					
Collar survey Date	10/9/2013	*Survey By*	Eli Friedman	*Method*	Garmin Handheld GPS
Survey Notes	Elevation taken from Lidar Survey. No notes on lake elevation at time of drilling.				

Collar coordinates

Grid	Name	x	Y	z	Az	Dip
Original	UTM84-15N	549,336.00	5,693,785.00	391.00	0.00	-90.00
Preferred	UTM84-15N	549,336.00	5,693,785.00	391.00	0.00	
Local						
Lat Long						

Down-hole surveys

SurveyDHDesc	mDepth	Dip	AzOrig	AzLocal	AzPref	AzMag	MagField	Remarks

Relating Certificates

LabCode	Status	CertName	CertDate	Between	and	SampleGen
SGS	QC-NR	RL1303466	10/26/2013	26.00	37.00	0

Control Samples

SampleID	mFrom	mTo	SampleCode	SampleGen	Au_ppm	WtRecvd_kg	Au_CertName

Number of entries per table

Litho	Alt	Minz	Geotech	Struct	Vein	Photos	Scans
4	0	0	0	0	0	0	0

Project: SpringPole
Area: Not Recorded
Claim: nr

Gold Canyon
Program: 2013
Logger: Eli Friedman

Hole name: SV13-232
Length (m): 56.4

Assays

Depth (m)	SampleID	Au (ppm)	Ag (ppm)
26.00	NoSample251		
Certs= RL1303466			
26.50	90079	0.005	
27.50	NoSample252		
28.00	90080	0.005	
29.00	NoSample253		
29.50	90081	0.005	1
30.50	NoSample254		
31.00	90082	0.01	1
32.00	NoSample255		
32.50	90083	0.01	1
33.50	NoSample256		
34.00	90084	0.03	1
35.00	NoSample257		
35.50	90085	0.005	1
36.50	NoSample258		
37.00	90086	0.005	
56.40	NoSample259		

Litho

Depth (m)	Lith1	Txtr2	Txtr2	Comments
24.10	OBN-Wtr			
28.60	OBN-HO			Dark brown organics
37.20	OBN-Cly			Very fine, light gray silty clay
56.40	NRC			No recovery from 38.1m to 56.4m with Vibracore

Project: SpringPole
Area: Not Recorded

Gold Canyon
Program: 2013
Logger: Eli Friedman

Hole name: SV13-232
Length (m): 56.4

Mineralization

mFrom	mTo	Pyrite_Pct	Min1	Min1_Pct	Min2	Min2_Pct	Comments

Project: SpringPole
Area: Not Recorded

Gold Canyon
Program: 2013
Logger: Eli Friedman

Hole name: SV13-232
Length (m): 56.4

Veins

mDepth	mWidth	Vein1	Vein1_AlphaAngle	Vein1_Min1	Vein1_Min2	Vein1_Min3	Comments

Project: SpringPole
Area: Not Recorded

Gold Canyon
Program: 2013
Logger: Eli Friedman

Hole name: SV13-232
Length (m): 56.4

Alteration

mFrom	mTo	Alt1	Int	Alt2	Int	Alt3	Int	Alt4	Int	Comments

Project: SpringPole
Area: Not Recorded

Gold Canyon
Program: 2013
Logger: Eli Friedman

Hole name: SV13-232
Length (m): 56.4

Color

mFrom	mTo	Color1	Int	Color2	Comments

Project: SpringPole
Area: Not Recorded

Gold Canyon
Program: 2013
Logger: Eli Friedman

Hole name: SV13-232
Length (m): 56.4

Carbonate and Void Space

mFrom	mTo	Void_pctCode	Carb_IntCode	Comments

Project: SpringPole
Area: Not Recorded

Gold Canyon
Program: 2013
Logger: Eli Friedman

Hole name: SV13-232
Length (m): 56.4

Geotech

mFrom	mTo	Recov_m	Recov_pct	RQD_m	RQD_pct	StrengthCo	Comments

Gold Canyon

Project	SpringPole			*Hole name*	**SV13-233**
Area	Not Recorded	*Program*	2013	*Length (m)*	43.3
Claim	nr	*Hole Type*	Diamond Drill	*Size*	NQ
Drill Contractor	Rodren	*Other Hole name*		*Data Origin*	KDB198-THINK
Drill Rig		*Casing Pulled*	Unknown	*Data Date*	2/11/2014
Date Started	10/10/2013	*Casing (m)*	24.4	*Data BY*	kdb198
Date Finished	10/10/2013				
Logger	Eli Friedman	*Log Date*	10/10/2013		
Target					
Hole Comments					
Collar survey Date	10/10/2013	*Survey By*	Eli Friedman	*Method*	Garmin Handheld GPS

Survey Notes Elevation taken from Lidar Survey. No notes on lake elevation at time of drilling.

Collar coordinates

Grid	Name	x	Y	z	Az	Dip
Original	UTM84-15N	549,413.00	5,693,726.00	391.00	0.00	-90.00
Preferred	UTM84-15N	549,413.00	5,693,726.00	391.00	0.00	
Local						
Lat Long						

Down-hole surveys

SurveyDHDesc	mDepth	Dip	AzOrig	AzLocal	AzPref	AzMag	MagField	Remarks

Relating Certificates

LabCode	Status	CertName	CertDate	Between	and	SampleGen
SGS	QC-NR	RL1303466	10/26/2013	24.40	43.30	0

Control Samples

SampleID	mFrom	mTo	SampleCode	SampleGen	Au_ppm	WtRecvd_kg	Au_CertName

Number of entries per table

Litho	Alt	Minz	Geotech	Struct	Vein	Photos	Scans
4	0	0	0	0	0	0	0

Project: SpringPole
Area: Not Recorded
Claim: nr

Gold Canyon
Program: 2013
Logger: Eli Friedman

Hole name: SV13-233
Length (m): 43.3

Assays

Depth (m)	SampleID	Au (ppm)	Ag (ppm)
24.40	NoSample260		
Certs= RL1303466			
25.10	90087	0.01	
26.00	NoSample261		
26.50	90088	0.01	
27.50	NoSample262		
28.00	90089	0.01	1
29.00	NoSample263		
29.50	90090	0.02	1
30.50	NoSample264		
31.00	90091	0.005	1
32.00	NoSample265		
32.50	90092	0.005	1
33.50	NoSample266		
35.00	90093	0.005	1
36.50	90094	0.005	1
39.50	NoSample267		
41.00	90095	0.005	1
43.30	90096	0.005	1

Litho

Depth (m)	Lith1	Txtr2	Txtr2	Comments
23.50	OBN-Wtr			
27.40	OBN-HO			Dark brown organics
34.40	OBN-Cly			Very fine light gray clay with trace granules
43.30	OBN-Till			

Project: SpringPole
Area: Not Recorded

Gold Canyon
Program: 2013
Logger: Eli Friedman

Hole name: SV13-233
Length (m): 43.3

Mineralization

mFrom	mTo	Pyrite_Pct	Min1	Min1_Pct	Min2	Min2_Pct	Comments

Project: SpringPole
Area: Not Recorded

Gold Canyon
Program: 2013
Logger: Eli Friedman

Hole name: SV13-233
Length (m): 43.3

Veins

mDepth	mWidth	Vein1	Vein1_AlphaAngle	Vein1_Min1	Vein1_Min2	Vein1_Min3	Comments

Project: SpringPole
Area: Not Recorded

Gold Canyon
Program: 2013
Logger: Eli Friedman

Hole name: SV13-233
Length (m): 43.3

Alteration

mFrom	mTo	Alt1	Int	Alt2	Int	Alt3	Int	Alt4	Int	Comments

Project: SpringPole
Area: Not Recorded

Gold Canyon
Program: 2013
Logger: Eli Friedman

Hole name: SV13-233
Length (m): 43.3

Color

mFrom	mTo	Color1	Int	Color2	Comments

Project: SpringPole
Area: Not Recorded

Gold Canyon
Program: 2013
Logger: Eli Friedman

Hole name: SV13-233
Length (m): 43.3

Carbonate and Void Space

mFrom	mTo	Void_pctCode	Carb_IntCode	Comments

Project: SpringPole
Area: Not Recorded

Gold Canyon
Program: 2013
Logger: Eli Friedman

Hole name: SV13-233
Length (m): 43.3

Geotech

mFrom	mTo	Recov_m	Recov_pct	RQD_m	RQD_pct	StrengthCo	Comments

Gold Canyon

Project	SpringPole			*Hole name*	**SV13-234**
Area	Not Recorded	*Program*	2013	*Length (m)*	48.8
Claim	nr	*Hole Type*	Diamond Drill	*Size*	NQ
Drill Contractor	Rodren	*Other Hole name*		*Data Origin*	KDB198-THINK
Drill Rig		*Cassing Pulled*	Unknown	*Data Date*	2/11/2014
Date Started	10/11/2013	*Cassing (m)*	21.3	*Data BY*	kdb198
Date Finished	10/11/2013				
Logger	Eli Friedman	*Log Date*			
Target					
Hole Comments					
Collar survey Date	10/11/2013	*Survey By*	Eli Friedman	*Method*	Garmin Handheld GPS
Survey Notes	Elevation taken from Lidar Survey. No notes on lake elevation at time of drilling.				

Collar coordinates

Grid	Name	x	Y	z	Az	Dip
Original	UTM84-15N	549,456.00	5,693,699.00	391.00	0.00	-90.00
Preferred	UTM84-15N	549,456.00	5,693,699.00	391.00	0.00	
Local						
Lat Long						

Down-hole surveys

SurveyDHDesc	mDepth	Dip	AzOrig	AzLocal	AzPref	AzMag	MagField	Remarks

Relating Certificates

LabCode	Status	CertName	CertDate	Between	and	SampleGen
SGS	QC-NR	RL1303466	10/26/2013	22.80	28.00	0

Control Samples

SampleID	mFrom	mTo	SampleCode	SampleGen	Au_ppm	WtRecvd_kg	Au_CertName

Number of entries per table

Litho	Alt	Minz	Geotech	Struct	Vein	Photos	Scans
4	0	0	0	0	0	0	0

Project: SpringPole
Area: Not Recorded
Claim: nr

Gold Canyon
Program: 2013
Logger: Eli Friedman

Hole name: SV13-234
Length (m): 48.8

Assays

Depth (m)	SampleID	Au (ppm)	Ag (ppm)
22.80	NoSample268		
Certs= RL1303466			
23.50	90097	0.03	
24.40	NoSample269		
25.00	90098	0.01	1
26.00	NoSample270		
26.50	90099	0.01	1
27.50	NoSample271		
28.00	90100	0.005	1
48.80	NoSample272		

Litho

Depth (m)	Lith1	Txtr2	Txtr2	Comments
21.60	OBN-Wtr			
25.10	OBN-HO			Dark brown organics
29.00	OBN-Cly			Very fine, sticky, silty, gray clay
48.80	NRC			Vibracore advanced to 34.44m and bthe cable broke. Richard fixed the line and we continued drilling to final depth at 48.8m. No recovered sample from vibracore.

Project: SpringPole
Area: Not Recorded

Gold Canyon
Program: 2013
Logger: Eli Friedman

Hole name: SV13-234
Length (m): 48.8

Mineralization

mFrom	mTo	Pyrite_Pct	Min1	Min1_Pct	Min2	Min2_Pct	Comments

Project: SpringPole
Area: Not Recorded

Gold Canyon
Program: 2013
Logger: Eli Friedman

Hole name: SV13-234
Length (m): 48.8

Veins

mDepth	mWidth	Vein1	Vein1_AlphaAngle	Vein1_Min1	Vein1_Min2	Vein1_Min3	Comments

Project: SpringPole
Area: Not Recorded

Gold Canyon
Program: 2013
Logger: Eli Friedman

Hole name: SV13-234
Length (m): 48.8

Alteration

mFrom	mTo	Alt1	Int	Alt2	Int	Alt3	Int	Alt4	Int	Comments

Project: SpringPole
Area: Not Recorded

Gold Canyon
Program: 2013
Logger: Eli Friedman

Hole name: SV13-234
Length (m): 48.8

Color

mFrom	mTo	Color1	Int	Color2	Comments

Project: SpringPole
Area: Not Recorded

Gold Canyon
Program: 2013
Logger: Eli Friedman

Hole name: SV13-234
Length (m): 48.8

Carbonate and Void Space

mFrom	mTo	Void_pctCode	Carb_IntCode	Comments

Project: SpringPole
Area: Not Recorded

Gold Canyon
Program: 2013
Logger: Eli Friedman

Hole name: SV13-234
Length (m): 48.8

Geotech

mFrom	mTo	Recov_m	Recov_pct	RQD_m	RQD_pct	StrengthCo	Comments

Gold Canyon

Project	SpringPole			*Hole name*	**SV13-235**
Area	Not Recorded	*Program*	2013	*Length (m)*	31.5
Claim	nr	*Hole Type*	Diamond Drill	*Size*	NQ
Drill Contractor	Rodren	*Other Hole name*		*Data Origin*	KDB198-THINK
Drill Rig		*Cassing Pulled*	Unknown	*Data Date*	2/11/2014
Date Started	10/12/2013	*Cassing (m)*	18.3	*Data BY*	kdb198
Date Finished	10/12/2013				
Logger	Eli Friedman	*Log Date*			
Target					
Hole Comments					
Collar survey Date	10/12/2013	*Survey By*	Eli Friedman	*Method*	Garmin Handheld GPS
Survey Notes	Elevation taken from Lidar Survey. No notes on lake elevation at time of drilling.				

Collar coordinates

Grid	Name	x	Y	z	Az	Dip
Original	UTM84-15N	549,490.00	5,693,655.00	391.00	0.00	-90.00
Preferred	UTM84-15N	549,490.00	5,693,655.00	391.00	0.00	
Local						
Lat Long						

Down-hole surveys

SurveyDHDesc	mDepth	Dip	AzOrig	AzLocal	AzPref	AzMag	MagField	Remarks

Relating Certificates

LabCode	Status	CertName	CertDate	Between	and	SampleGen
SGS	QC-NR	RL1303467	10/26/2013	18.30	31.20	0

Control Samples

SampleID	mFrom	mTo	SampleCode	SampleGen	Au_ppm	WtRecvd_kg	Au_CertName

Number of entries per table

Litho	Alt	Minz	Geotech	Struct	Vein	Photos	Scans
4	0	0	0	0	0	0	0

Project: SpringPole
Area: Not Recorded
Claim: nr

Gold Canyon
Program: 2013
Logger: Eli Friedman

Hole name: SV13-235
Length (m): 31.5

Assays

Depth (m)	SampleID	Au (ppm)	Ag (ppm)
18.30	NoSample273		
Certs= RL1303467			
19.00	90101	0.01	1
21.30	NoSample274		
22.00	90102	0.01	1
24.40	NoSample275		
26.00	90103	0.005	1
27.50	90104	0.005	1
29.00	90105	0.005	1
31.20	90106	0.01	1
31.50	NoSample276		

Litho

Depth (m)	Lith1	Txtr2	Txtr2	Comments
17.60	OBN-Wtr			
20.00	OBN-HO			Dark brown organics--> transition into fine, dark gray clay with organics
24.40	OBN-Cly			Very fine, light gray clay
31.50	OBN-Till			Well-sorted, gray silt and sand.

Project: SpringPole
Area: Not Recorded

Gold Canyon
Program: 2013
Logger: Eli Friedman

Hole name: SV13-235
Length (m): 31.5

Mineralization

mFrom	mTo	Pyrite_Pct	Min1	Min1_Pct	Min2	Min2_Pct	Comments

Project: SpringPole
Area: Not Recorded

Gold Canyon
Program: 2013
Logger: Eli Friedman

Hole name: SV13-235
Length (m): 31.5

Veins

mDepth	mWidth	Vein1	Vein1_AlphaAngle	Vein1_Min1	Vein1_Min2	Vein1_Min3	Comments

Project: SpringPole
Area: Not Recorded

Gold Canyon
Program: 2013
Logger: Eli Friedman

Hole name: SV13-235
Length (m): 31.5

Alteration

mFrom	mTo	Alt1	Int	Alt2	Int	Alt3	Int	Alt4	Int	Comments

Project: SpringPole
Area: Not Recorded

Gold Canyon
Program: 2013
Logger: Eli Friedman

Hole name: SV13-235
Length (m): 31.5

Color

mFrom	mTo	Color1	Int	Color2	Comments

Project: SpringPole
Area: Not Recorded

Gold Canyon
Program: 2013
Logger: Eli Friedman

Hole name: SV13-235
Length (m): 31.5

Carbonate and Void Space

mFrom	mTo	Void_pctCode	Carb_IntCode	Comments

Project: SpringPole
Area: Not Recorded

Gold Canyon
Program: 2013
Logger: Eli Friedman

Hole name: SV13-235
Length (m): 31.5

Geotech

mFrom	mTo	Recov_m	Recov_pct	RQD_m	RQD_pct	StrengthCo	Comments

Gold Canyon

Project	SpringPole			*Hole name*	**SV13-236**
Area	Not Recorded	*Program*	2013	*Length (m)*	38.12
Claim	nr	*Hole Type*	Diamond Drill	*Size*	NQ
Drill Contractor	Rodren	*Other Hole name*		*Data Origin*	KDB198-THINK
Drill Rig		*Cassing Pulled*	Unknown	*Data Date*	2/11/2014
Date Started	10/13/2013	*Cassing (m)*	18.3	*Data BY*	kdb198
Date Finished	10/13/2013				
Logger	Eli Friedman	*Log Date*	10/13/2013		
Target					
Hole Comments					
Collar survey Date	10/13/2013	*Survey By*	Eli Friedman	*Method*	Garmin Handheld GPS

Survey Notes Elevation taken from Lidar Survey. No notes on lake elevation at time of drilling.

Collar coordinates

Grid	Name	x	Y	z	Az	Dip
Original	UTM84-15N	549,512.00	5,693,600.00	391.00	0.00	-90.00
Preferred	UTM84-15N	549,512.00	5,693,600.00	391.00	0.00	
Local						
Lat Long						

Down-hole surveys

SurveyDHDesc	mDepth	Dip	AzOrig	AzLocal	AzPref	AzMag	MagField	Remarks

Relating Certificates

LabCode	Status	CertName	CertDate	Between	and	SampleGen
SGS	QC-NR	RL1303467	10/26/2013	18.30	24.92	0

Control Samples

SampleID	mFrom	mTo	SampleCode	SampleGen	Au_ppm	WtRecvd_kg	Au_CertName

Number of entries per table

Litho	Alt	Minz	Geotech	Struct	Vein	Photos	Scans
4	0	0	0	0	0	0	0

Project: SpringPole
Area: Not Recorded
Claim: nr

Gold Canyon
Program: 2013
Logger: Eli Friedman

Hole name: SV13-236
Length (m): 38.12

Assays

Depth (m)	SampleID	Au (ppm)	Ag (ppm)
18.30	NoSample277		
Certs= RL1303467			
19.00	90107	0.02	
19.80	NoSample278		
20.50	90108	0.005	
21.30	NoSample279		
22.10	90109	0.005	1
22.90	NoSample280		
23.60	90110	0.005	1
24.40	NoSample281		
24.92	90111	0.005	1
38.12	NoSample282		

Litho

Depth (m)	Lith1	Txtr2	Txtr2	Comments
17.70	OBN-Wtr			
22.10	OBN-HO			Dark brown organics
25.10	OBN-Cly			Very fine, light gray clay
38.10	NRC			Switched to vibracore after poor recovery at 24.92m. No recovered sample from Vibracore to the bottom of hole at 38.12m.

Project: SpringPole
Area: Not Recorded

Gold Canyon
Program: 2013
Logger: Eli Friedman

Hole name: SV13-236
Length (m): 38.12

Mineralization

mFrom	mTo	Pyrite_Pct	Min1	Min1_Pct	Min2	Min2_Pct	Comments

Project: SpringPole
Area: Not Recorded

Gold Canyon
Program: 2013
Logger: Eli Friedman

Hole name: SV13-236
Length (m): 38.12

Veins

mDepth	mWidth	Vein1	Vein1_AlphaAngle	Vein1_Min1	Vein1_Min2	Vein1_Min3	Comments

Project: SpringPole
Area: Not Recorded

Gold Canyon
Program: 2013
Logger: Eli Friedman

Hole name: SV13-236
Length (m): 38.12

Alteration

mFrom	mTo	Alt1	Int	Alt2	Int	Alt3	Int	Alt4	Int	Comments

Project: SpringPole
Area: Not Recorded

Gold Canyon
Program: 2013
Logger: Eli Friedman

Hole name: SV13-236
Length (m): 38.12

Color

mFrom	mTo	Color1	Int	Color2	Comments

Project: SpringPole
Area: Not Recorded

Gold Canyon
Program: 2013
Logger: Eli Friedman

Hole name: SV13-236
Length (m): 38.12

Carbonate and Void Space

mFrom	mTo	Void_pctCode	Carb_IntCode	Comments

Project: SpringPole
Area: Not Recorded

Gold Canyon
Program: 2013
Logger: Eli Friedman

Hole name: SV13-236
Length (m): 38.12

Geotech

mFrom	mTo	Recov_m	Recov_pct	RQD_m	RQD_pct	StrengthCo	Comments

Gold Canyon

Project	SpringPole			*Hole name*	**SV13-237**
Area	Not Recorded	*Program*	2013	*Length (m)*	24.48
Claim	nr	*Hole Type*	Diamond Drill	*Size*	NQ
Drill Contractor	Rodren	*Other Hole name*		*Data Origin*	KDB198-THINK
Drill Rig		*Cassing Pulled*	Unknown	*Data Date*	2/11/2014
Date Started	10/14/2013	*Cassing (m)*	13.4	*Data BY*	kdb198
Date Finished	10/14/2013				
Logger	Eli Friedman	*Log Date*			
Target					
Hole Comments					
Collar survey Date	10/14/2013	*Survey By*		*Method*	
Survey Notes	Elevation taken from Lidar Survey. No notes on lake elevation at time of drilling.				

Collar coordinates

Grid	Name	x	Y	z	Az	Dip
Original	UTM84-15N	549,538.00	5,693,647.00	391.00	0.00	-90.00
Preferred	UTM84-15N	549,538.00	5,693,647.00	391.00	0.00	
Local						
Lat Long						

Down-hole surveys

SurveyDHDesc	mDepth	Dip	AzOrig	AzLocal	AzPref	AzMag	MagField	Remarks

Relating Certificates

LabCode	Status	CertName	CertDate	Between	and	SampleGen
SGS	QC-NR	RL1303463	10/26/2013	22.00	24.48	0
SGS	QC-NR	RL1303467	10/26/2013	14.50	22.00	0

Control Samples

SampleID	mFrom	mTo	SampleCode	SampleGen	Au_ppm	WtRecvd_kg	Au_CertName

Number of entries per table

Litho	Alt	Minz	Geotech	Struct	Vein	Photos	Scans
4	0	0	0	0	0	0	0

Project: SpringPole
Area: Not Recorded
Claim: nr

Gold Canyon
Program: 2013
Logger: Eli Friedman

Hole name: SV13-237
Length (m): 24.48

Assays

Depth (m)	SampleID	Au (ppm)	Ag (ppm)
14.50	NoSample283		
Certs= RL1303467			
15.26	90112	0.01	1
16.00	90113	0.005	
17.50	90114	0.005	1
19.00	90115	0.01	1
20.50	90116	0.01	1
22.00	90117	0.005	1
Certs= RL1303463			
24.48	90118	0.56	0.15

Litho

Depth (m)	Lith1	Txtr2	Txtr2	Comments
13.40	OBN-Wtr			
16.00	OBN-Cly			Very fine, light gray clay with 0.1 to 1cm gravel. Trace sulfides and pyrite
24.00	OBN-Till			Fine, sandy till with rounded lithics and sedimentary rocks (1-5cm) with increasing clay
24.50	POR			Very fine clay with moderat FeOx. Moderately to poorly sorted with less than 0.5 cm gravel. Lower portion of interval enters moderately decomposed porphyry with strong sericite alteration.

Project: SpringPole
Area: Not Recorded

Gold Canyon
Program: 2013
Logger: Eli Friedman

Hole name: SV13-237
Length (m): 24.48

Mineralization

mFrom	mTo	Pyrite_Pct	Min1	Min1_Pct	Min2	Min2_Pct	Comments

Project: SpringPole
Area: Not Recorded

Gold Canyon
Program: 2013
Logger: Eli Friedman

Hole name: SV13-237
Length (m): 24.48

Veins

mDepth	mWidth	Vein1	Vein1_AlphaAngle	Vein1_Min1	Vein1_Min2	Vein1_Min3	Comments

Project: SpringPole
Area: Not Recorded

Gold Canyon
Program: 2013
Logger: Eli Friedman

Hole name: SV13-237
Length (m): 24.48

Alteration

mFrom	mTo	Alt1	Int	Alt2	Int	Alt3	Int	Alt4	Int	Comments

Project: SpringPole
Area: Not Recorded

Gold Canyon
Program: 2013
Logger: Eli Friedman

Hole name: SV13-237
Length (m): 24.48

Color

mFrom	mTo	Color1	Int	Color2	Comments

Project: SpringPole
Area: Not Recorded

Gold Canyon
Program: 2013
Logger: Eli Friedman

Hole name: SV13-237
Length (m): 24.48

Carbonate and Void Space

mFrom	mTo	Void_pctCode	Carb_IntCode	Comments

Project: SpringPole
Area: Not Recorded

Gold Canyon
Program: 2013
Logger: Eli Friedman

Hole name: SV13-237
Length (m): 24.48

Geotech

mFrom	mTo	Recov_m	Recov_pct	RQD_m	RQD_pct	StrengthCo	Comments

Gold Canyon

Project	SpringPole			*Hole name*	**SV13-238**
Area	Not Recorded	*Program*	2013	*Length (m)*	14.95
Claim	nr	*Hole Type*	Diamond Drill	*Size*	NQ
Drill Contractor	Rodren	*Other Hole name*		*Data Origin*	KDB198-THINK
Drill Rig		*Cassing Pulled*	Unknown	*Data Date*	2/11/2014
Date Started	10/15/2013	*Cassing (m)*	7	*Data BY*	kdb198
Date Finished	10/15/2013				
Logger	Eli Friedman	*Log Date*			
Target					
Hole Comments					
Collar survey Date	10/15/2013	*Survey By*	Eli Friedman	*Method*	Garmin Handheld GPS

Survey Notes Elevation taken from Lidar Survey. No notes on lake elevation at time of drilling. Collar coordinates changed on Nov 5, 2014 as per Denise Saunder's request

Collar coordinates

Grid	Name	x	Y	z	Az	Dip
Original	UTM84-15N	549,576.00	5,693,672.00	391.00	0.00	-90.00
Preferred	UTM84-15N	549,576.00	5,693,672.00	391.00	0.00	
Local						
Lat Long						

Down-hole surveys

SurveyDHDesc	mDepth	Dip	AzOrig	AzLocal	AzPref	AzMag	MagField	Remarks

Relating Certificates

LabCode	Status	CertName	CertDate	Between	and	SampleGen
SGS	QC-NR	RL1303467	10/26/2013	8.50	9.00	0

Control Samples

SampleID	mFrom	mTo	SampleCode	SampleGen	Au_ppm	WtRecvd_kg	Au_CertName

Number of entries per table

Litho	Alt	Minz	Geotech	Struct	Vein	Photos	Scans
3	0	0	0	0	0	0	0

Project: SpringPole
Area: Not Recorded
Claim: nr

Gold Canyon
Program: 2013
Logger: Eli Friedman

Hole name: SV13-238
Length (m): 14.95

Assays				Litho				
Depth (m)	SampleID	Au (ppm)	Ag (ppm)	Depth (m)	Lith1	Txtr2	Txtr2	Comments
8.50	NoSample284			6.60	OBN-Wtr			
Certs= RL1303467				10.00	OBN-Cly			Poor recovery- only the bottom 6" full of light gray clay and very fine sand which is moderetly sorted.
9.00	90119	0.005	1					
14.95	NoSample285			15.00	NRC			Vibracore from 10m to 14.95m when the clutch on the generator burnt out.

Project: SpringPole
Area: Not Recorded

Gold Canyon
Program: 2013
Logger: Eli Friedman

Hole name: SV13-238
Length (m): 14.95

Mineralization

mFrom	mTo	Pyrite_Pct	Min1	Min1_Pct	Min2	Min2_Pct	Comments

Project: SpringPole
Area: Not Recorded

Gold Canyon
Program: 2013
Logger: Eli Friedman

Hole name: SV13-238
Length (m): 14.95

Veins

mDepth	mWidth	Vein1	Vein1_AlphaAngle	Vein1_Min1	Vein1_Min2	Vein1_Min3	Comments

Project: SpringPole
Area: Not Recorded

Gold Canyon
Program: 2013
Logger: Eli Friedman

Hole name: SV13-238
Length (m): 14.95

Alteration

mFrom	mTo	Alt1	Int	Alt2	Int	Alt3	Int	Alt4	Int	Comments

Project: SpringPole
Area: Not Recorded

Gold Canyon
Program: 2013
Logger: Eli Friedman

Hole name: SV13-238
Length (m): 14.95

Color

mFrom	mTo	Color1	Int	Color2	Comments

Project: SpringPole
Area: Not Recorded

Gold Canyon
Program: 2013
Logger: Eli Friedman

Hole name: SV13-238
Length (m): 14.95

Carbonate and Void Space

mFrom	mTo	Void_pctCode	Carb_IntCode	Comments

Project: SpringPole
Area: Not Recorded

Gold Canyon
Program: 2013
Logger: Eli Friedman

Hole name: SV13-238
Length (m): 14.95

Geotech

mFrom	mTo	Recov_m	Recov_pct	RQD_m	RQD_pct	StrengthCo	Comments

Gold Canyon

Project	SpringPole	*Program*	2013	*Hole name*	**SV13-239**
Area	Not Recorded	*Hole Type*	Diamond Drill	*Length (m)*	43.3
Claim	nr			*Size*	NQ
Drill Contractor	Rodren	*Other Hole name*		*Data Origin*	KDB198-THINK
Drill Rig		*Cassing Pulled*	Unknown	*Data Date*	2/11/2014
Date Started	10/16/2013	*Cassing (m)*	28.4	*Data BY*	kdb198
Date Finished	10/16/2013				
Logger	Eli Friedman	*Log Date*			
Target					
Hole Comments					
Collar survey Date	10/16/2013	*Survey By*	Eli Friedman	*Method*	Garmin Handheld GPS
Survey Notes	Elevation taken from Lidar Survey. No notes on lake elevation at time of drilling.				

Collar coordinates

Grid	Name	x	Y	z	Az	Dip
Original	UTM84-15N	549,624.00	5,693,155.00	391.00	0.00	-90.00
Preferred	UTM84-15N	549,624.00	5,693,155.00	391.00	0.00	
Local						
Lat Long						

Down-hole surveys

SurveyDHDesc	mDepth	Dip	AzOrig	AzLocal	AzPref	AzMag	MagField	Remarks

Relating Certificates

LabCode	Status	CertName	CertDate	Between	and	SampleGen
SGS	QC-NR	RL1303467	10/26/2013	34.10	43.30	0

Control Samples

SampleID	mFrom	mTo	SampleCode	SampleGen	Au_ppm	WtRecvd_kg	Au_CertName

Number of entries per table

Litho	Alt	Minz	Geotech	Struct	Vein	Photos	Scans
4	0	0	0	0	0	0	0

Project: SpringPole
Area: Not Recorded
Claim: nr

Gold Canyon
Program: 2013
Logger: Eli Friedman

Hole name: SV13-239
Length (m): 43.3

Assays

Depth (m)	SampleID	Au (ppm)	Ag (ppm)
34.10	NoSample286		
Certs= RL1303467			
34.80	90120	0.06	
37.10	NoSample287		
37.80	90121	0.005	1
40.10	NoSample288		
40.80	90122	0.005	1
43.10	NoSample289		
43.30	90123	0.01	1

Litho

Depth (m)	Lith1	Txtr2	Txtr2	Comments
32.70	OBN-Wtr			
36.40	OBN-HO			Dark brown organics
43.10	OBN-Cly			Very fine, light gray clay- full tube.
43.30	OBN-Scly			20cm of gritty, light gray clay. Cubic pyrite within rock fragments of andesite

Project: SpringPole
Area: Not Recorded

Gold Canyon
Program: 2013
Logger: Eli Friedman

Hole name: SV13-239
Length (m): 43.3

Mineralization

mFrom	mTo	Pyrite_Pct	Min1	Min1_Pct	Min2	Min2_Pct	Comments

Project: SpringPole
Area: Not Recorded

Gold Canyon
Program: 2013
Logger: Eli Friedman

Hole name: SV13-239
Length (m): 43.3

Veins

mDepth	mWidth	Vein1	Vein1_AlphaAngle	Vein1_Min1	Vein1_Min2	Vein1_Min3	Comments

Project: SpringPole
Area: Not Recorded

Gold Canyon
Program: 2013
Logger: Eli Friedman

Hole name: SV13-239
Length (m): 43.3

Alteration

mFrom	mTo	Alt1	Int	Alt2	Int	Alt3	Int	Alt4	Int	Comments

Project: SpringPole
Area: Not Recorded

Gold Canyon
Program: 2013
Logger: Eli Friedman

Hole name: SV13-239
Length (m): 43.3

Color

mFrom	mTo	Color1	Int	Color2	Comments

Project: SpringPole
Area: Not Recorded

Gold Canyon
Program: 2013
Logger: Eli Friedman

Hole name: SV13-239
Length (m): 43.3

Carbonate and Void Space

mFrom	mTo	Void_pctCode	Carb_IntCode	Comments

Project: SpringPole
Area: Not Recorded

Gold Canyon
Program: 2013
Logger: Eli Friedman

Hole name: SV13-239
Length (m): 43.3

Geotech

mFrom	mTo	Recov_m	Recov_pct	RQD_m	RQD_pct	StrengthCo	Comments

Gold Canyon

Project	SpringPole			*Hole name*	**SV13-240**
Area	Not Recorded	*Program*	2013	*Length (m)*	31.27
Claim	nr	*Hole Type*	Diamond Drill	*Size*	NQ
Drill Contractor	Rodren	*Other Hole name*		*Data Origin*	KDB198-THINK
Drill Rig		*Casing Pulled*	Unknown	*Data Date*	2/11/2014
Date Started	10/17/2013	*Casing (m)*	23	*Data BY*	kdb198
Date Finished	10/17/2013				
Logger	Eli Friedman	*Log Date*			
Target					
Hole Comments					
Collar survey Date	10/17/2013	*Survey By*	Eli Friedman	*Method*	Garmin Handheld GPS

Survey Notes Elevation taken from Lidar Survey. No notes on lake elevation at time of drilling. Collar coordinates changed on Nov 5, 2014 as per Denise Saunder's request

Collar coordinates

Grid	Name	x	Y	z	Az	Dip
Original	UTM84-15N	549,525.00	5,693,292.00	391.00	0.00	-90.00
Preferred	UTM84-15N	549,525.00	5,693,292.00	391.00	0.00	
Local						
Lat Long						

Down-hole surveys

SurveyDHDesc	mDepth	Dip	AzOrig	AzLocal	AzPref	AzMag	MagField	Remarks

Relating Certificates

LabCode	Status	CertName	CertDate	Between	and	SampleGen
SGS	QC-NR	RL1303467	10/26/2013	26.50	30.20	0

Control Samples

SampleID	mFrom	mTo	SampleCode	SampleGen	Au_ppm	WtRecvd_kg	Au_CertName

Number of entries per table

Litho	Alt	Minz	Geotech	Struct	Vein	Photos	Scans
3	0	0	0	0	0	0	0

Project: SpringPole
Area: Not Recorded
Claim: nr

Gold Canyon
Program: 2013
Logger: Eli Friedman

Hole name: SV13-240
Length (m): 31.27

Assays				Litho				
Depth (m)	**SampleID**	**Au (ppm)**	**Ag (ppm)**	**Depth (m)**	**Lith1**	**Txtr2**	**Txtr2**	**Comments**
26.50	NoSample290			25.90	OBN-Wtr			
Certs= RL1303467				28.80	OBN-HO			Slightly gritty, very fine, dark gray/brown organics
27.20	90124	0.005	1					
29.50	NoSample291			31.30	OBN-Cly			Very fine, sticky, light gray clay- full tube. Drilling from 31m, encountered stteep shelf that deflected casing--could not advance casing further.. EOH at 31.27m.
30.20	90125	0.01	1					
31.27	NoSample292							

Project: SpringPole
Area: Not Recorded

Gold Canyon
Program: 2013
Logger: Eli Friedman

Hole name: SV13-240
Length (m): 31.27

Mineralization

mFrom	mTo	Pyrite_Pct	Min1	Min1_Pct	Min2	Min2_Pct	Comments

Project: SpringPole
Area: Not Recorded

Gold Canyon
Program: 2013
Logger: Eli Friedman

Hole name: SV13-240
Length (m): 31.27

Veins

mDepth	mWidth	Vein1	Vein1_AlphaAngle	Vein1_Min1	Vein1_Min2	Vein1_Min3	Comments

Project: SpringPole
Area: Not Recorded

Gold Canyon
Program: 2013
Logger: Eli Friedman

Hole name: SV13-240
Length (m): 31.27

Alteration

mFrom	mTo	Alt1	Int	Alt2	Int	Alt3	Int	Alt4	Int	Comments

Project: SpringPole
Area: Not Recorded

Gold Canyon
Program: 2013
Logger: Eli Friedman

Hole name: SV13-240
Length (m): 31.27

Color

mFrom	mTo	Color1	Int	Color2	Comments

Project: SpringPole
Area: Not Recorded

Gold Canyon
Program: 2013
Logger: Eli Friedman

Hole name: SV13-240
Length (m): 31.27

Carbonate and Void Space

mFrom	mTo	Void_pctCode	Carb_IntCode	Comments

Project: SpringPole
Area: Not Recorded

Gold Canyon
Program: 2013
Logger: Eli Friedman

Hole name: SV13-240
Length (m): 31.27

Geotech

mFrom	mTo	Recov_m	Recov_pct	RQD_m	RQD_pct	StrengthCo	Comments

Gold Canyon

Project	SpringPole			*Hole name*	**SV13-241**
Area	Not Recorded	*Program*	2013	*Length (m)*	32.6
Claim	nr	*Hole Type*	Diamond Drill	*Size*	
Drill Contractor	Rodren	*Other Hole name*		*Data Origin*	KDB198-THINK
Drill Rig		*Cassing Pulled*	Unknown	*Data Date*	2/11/2014
Date Started	10/18/2013	*Cassing (m)*	25	*Data BY*	kdb198
Date Finished	10/18/2013				
Logger	Eli Friedman	*Log Date*			
Target					
Hole Comments					
Collar survey Date	10/18/2013	*Survey By*	Eli Friedman	*Method*	Garmin Handheld GPS
Survey Notes	Elevation taken from Lidar Survey. No notes on lake elevation at time of drilling.				

Collar coordinates

Grid	Name	x	Y	z	Az	Dip
Original	UTM84-15N	549,373.00	5,693,203.00	391.00	0.00	-90.00
Preferred	UTM84-15N	549,373.00	5,693,203.00	391.00	0.00	
Local						
Lat Long						

Down-hole surveys

SurveyDHDesc	mDepth	Dip	AzOrig	AzLocal	AzPref	AzMag	MagField	Remarks

Relating Certificates

LabCode	Status	CertName	CertDate	Between	and	SampleGen
SGS	QC-NR	RL1303467	10/26/2013	25.00	32.60	0

Control Samples

SampleID	mFrom	mTo	SampleCode	SampleGen	Au_ppm	WtRecvd_kg	Au_CertName

Number of entries per table

Litho	Alt	Minz	Geotech	Struct	Vein	Photos	Scans
4	0	0	0	0	0	0	0

Project: SpringPole
Area: Not Recorded
Claim: nr

Gold Canyon
Program: 2013
Logger: Eli Friedman

Hole name: SV13-241
Length (m): 32.6

Assays				Litho				
Depth (m)	SampleID	Au (ppm)	Ag (ppm)	Depth (m)	Lith1	Txtr2	Txtr2	Comments
25.00	NoSample293			24.70	OBN-Wtr			
Certs= RL1303467								
25.70	90126	0.005			OBN-HO			Very dark brown organics
28.00	NoSample294							
28.70	90127	0.005	1	28.70				
31.00	NoSample295							
31.70	90128	0.005	1		OBN-Cly			Very fine, light gray clay- full tube
32.50	NoSample296			32.50				
32.60	90129	0.005	1	32.60	OBN-Scly			10cm recovery of fine sand and less than 0.5cm granules

Project: SpringPole
Area: Not Recorded

Gold Canyon
Program: 2013
Logger: Eli Friedman

Hole name: SV13-241
Length (m): 32.6

Mineralization

mFrom	mTo	Pyrite_Pct	Min1	Min1_Pct	Min2	Min2_Pct	Comments

Project: SpringPole
Area: Not Recorded

Gold Canyon
Program: 2013
Logger: Eli Friedman

Hole name: SV13-241
Length (m): 32.6

Veins

mDepth	mWidth	Vein1	Vein1_AlphaAngle	Vein1_Min1	Vein1_Min2	Vein1_Min3	Comments

Project: SpringPole
Area: Not Recorded

Gold Canyon
Program: 2013
Logger: Eli Friedman

Hole name: SV13-241
Length (m): 32.6

Alteration

mFrom	mTo	Alt1	Int	Alt2	Int	Alt3	Int	Alt4	Int	Comments

Project: SpringPole
Area: Not Recorded

Gold Canyon
Program: 2013
Logger: Eli Friedman

Hole name: SV13-241
Length (m): 32.6

Color

mFrom	mTo	Color1	Int	Color2	Comments

Project: SpringPole
Area: Not Recorded

Gold Canyon
Program: 2013
Logger: Eli Friedman

Hole name: SV13-241
Length (m): 32.6

Carbonate and Void Space

mFrom	mTo	Void_pctCode	Carb_IntCode	Comments

Project: SpringPole

Gold Canyon

Hole name: SV13-241

Area: Not Recorded

Program: 2013

Length (m): 32.6

Logger: Eli Friedman

Geotech

mFrom	mTo	Recov_m	Recov_pct	RQD_m	RQD_pct	StrengthCo	Comments