

# DRILLHOLE SUMMARY FORM



HOLE\_ID: EU11-35

DRILL CONTRACTOR: Peak Drilling

PROJECT: Eureka

DRILL: EF 50

PROSPECT: Child's Gulch

DRILLER: Claude and JF. Hole plugged by JJ and Dennis.

PROJECT CODE: EUR

TARGET: Do or Die

START DATE / TIME: 21-Sep-11

FINISH DATE / TIME: 25-Sep-11

LOGGED BY: Erin O'Brien

DATE: 25-Sep-11

NAD83-8N UTM E: 607152

NAD83-8N UTM N: 7044570

ELEVATION (M): 759

HOLE DIP: -60

HOLE AZIMUTH: 0

TOTAL LENGTH: 166.12

HOLE TYPE: DD

CORE SIZE: HQ3

CASING DEPTH (M): 4.57

ORIENTED CORE: N

BOTTOM LINE: Core too broken

TOOL TYPE: ACT II

SAMPLES: K951648 -

K951768

## DRILLHOLE SUMMARY

From (m)	To (m):	
0	4.57	Casing, no recovery.
4.57	10.00	Orthogneiss, bleached white from clay alteration and silicification. Grey quartz veins(± pyrite) generally at 5 to 10° to core axis and sub-parallel to foliation (being fed from the set at 5 - 10° ). The main veins are planar. 3-5% pyrite. Poor recovery 9.14 - 12.19 m.
10.00	12.19	Orthogneiss with 2% quartz veining and up to 1% pyrite and patchy K-spar alteration.
12.19	14.80	Orthogneiss, strong limonite, fewer veins but a few pyrite stringers and 1% finely disseminated pyrite.
14.80	25.91	Green orthogneiss with heavy clay alteration/ gouge with quartz and quartz-k-spar veinlets. Very poor recovery 21.34 to 25.91 m (mainly Q or QK rubble).
25.91	32.30	Orthogneiss, not as heavily clay altered and better recovery than previous unit. Patchy silicification at 32.0 m, 30.5 - 30.85 m. Greyish white quartz vein at shallow angle to core axis with 5% clots of pyrite (brassy). Also some sooty grey (sulphide?). Poor recovery from 30.48 - 33.53 m.
32.30	50.29	Green or greenish white clay altered orthogneiss with minor chlorite and K-spar. Veinlets of grey clay; 1% pyrite.
50.29	67.00	Orthogneiss with biotite, silicified with patchy chlorite alteration. 2% quartz-K-spar veining and 0 to 1% pyrite.
67.00	90.20	Orthogneiss with local k-spar alteration and silicification. Trace pyrite locally only. A few patches of intense clay alteration 1 m wide. Strong increase in K-spar alteration and finely disseminated pyrite at 85 m.
90.2	92.96	Orthogneiss with white clay alteration, some chlorite, weakly brecciated especially proximal to dark grey clay veinlets.
92.96	124.77	Feldspar augen orthogneiss. Clay and chlorite altered with patchy and vein-related K-spar alteration. To 108.2 m: 1-3% pyrite, sometimes occurring as outside selvage to quartz ± clay veinlets. 108.2 - 124.77 m, pyrite in occasional veinlets and disseminated throughout.
124.77	166.12	Graphitic altered orthogneiss. 2-5% pyrite is mainly finely disseminated. The majority of the veining looks metamorphic and parallel to foliation.

pyrite

PROJECT: Eureka

HOLE\_ID: EU11-035

LOGGED BY: E Obier

DATE: 2011-09-23

PREDATOR GROUP

INTERVAL	STRUCTURE	LITHOLOGY	GRAPHIC				LITHOLOGY				MINERALIZATION				ALTERATION-1						ALTERATION-2						COMMENTS / DESCRIPTION			
			ROCKCODE	MODIFYCODE	GRAIN_SIZE	COLOR	OXIDE_CODE	SULF1	SULF1_PCT CODE	SULF2	SULF2_PCT CODE	ALT-1	ALT-1_FORM	ALT-1_INT	ALT-1_VEIN_TYPE	ALT-1_VEIN_%	ALT-1_MIN1	ALT-1_MIN1_PCT CODE	ALT-1_MIN2	ALT-1_MIN2_PCT CODE	ALT-2	ALT-2_FORM	ALT-2_INT	ALT-2_VEIN_TYPE	ALT-2_VEIN_%	ALT-2_MIN1		ALT-2_MIN1_PCT CODE	ALT-2_MIN2	ALT-2_MIN2_PCT CODE
0-4.57			CAS																											0-4.57 CAS no recovery
4.57-5			80																											4.57 -
5-7			OG	B	fg	owh	2	Py	3			CLY	per	1	QPy	5					Si	per	1							Orthogneiss, bleached
7-9																														white from clay alt + silicification
9-11																														Grey quartz veins generally
11-12.19			OG	B	fg	Grn Gy	2	Py	1			CLY	per	2	Q	2					chl	3	Ksp	pat	1					@ 5 to 10° to GA and some // or sub-//
12.19-13			OG		Hg	owh	3	Py	1			CLY	per	2	Q	2							Ksp	pat	1					to foliation (generally breaks from
13-15			OG	B	fg	owh	3	Py	2			CLY	per	1	Q	2														the set @ 5-10° Py. ing. ventils and f.d. (1-2%)
15-17			OG		fg	wh	2	Py	3			CLY	per	3	QPy	3														Veins <del>///</del> / and <del>///</del>
17-18			OG		vf	grn		Py	1			CLY	per	2	QK	2					chl	6	Ksp	pat	1	Q	1			↳ main veins + f.d.s, pliner, somewhat irregular
																														poor recovery 914-12.19m
																														12.19 - 14.80 strong limonite, fewer veins
																														but a few Py stringers + 1% f.d. Py.
																														16.76-25.91 →

Green OG/GG  
w/ quartz and quartz  
Ksp  
ventils

Ksp

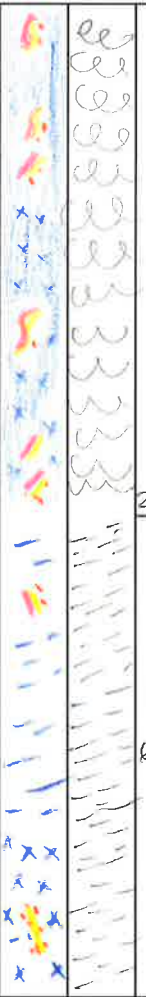

PROJECT: Eureka

HOLE\_ID: EU11-035

LOGGED BY: S Obrien

DATE: 2011-09-23

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INTERVAL	GRAPHIC			LITHOLOGY			MINERALIZATION			ALTERATION-1						ALTERATION-2						COMMENTS / DESCRIPTION																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
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grey clay

PROJECT: Eureka

HOLE\_ID: EU11-035

LOGGED BY: EOBrien

DATE: 2011-09-24

INTERVAL	GRAPHIC		LITHOLOGY				MINERALIZATION				ALTERATION-1				ALTERATION-2				COMMENTS / DESCRIPTION											
	STRUCTURE	LITHOLOGY	ROCKCODE	MODIFYCODE	GRAIN_SIZE	COLOR	OXIDE_CODE	SULF1	SULF1_PCT CODE	SULF2	SULF2_PCT CODE	ALT-1	ALT-1_FORM	ALT-1_INT	ALT-1_VEIN_TYPE	ALT-1_VEIN_%	ALT-1_MIN1	ALT-1_MIN1_PCT CODE		ALT-1_MIN2	ALT-1_MIN2_PCT CODE	ALT-2	ALT-2_FORM	ALT-2_INT	ALT-2_VEIN_TYPE	ALT-2_VEIN_%	ALT-2_MIN1	ALT-2_MIN1_PCT CODE	ALT-2_MIN2	ALT-2_MIN2_PCT CODE
32			32.30																											32.0-32.30- silicified and weakly brecciated.
33			OG/ GG		4g	Grn- WH	Ø	Py	1			CLY	PER	3																32.30- 36.50
35			OG/ GG		4g	Grn	Ø	Py	1			CLY	PER	3			chl	5												Venlets of grey clay possibly weathered sulphide? Sub 11 to CA
37			OG/ GG		4g	Grn	Ø	Py	1			CLY	PER	3			chl	5												39.50-50.29
39			OG/ GG		4g	Grn- WH	Ø	Py	1			CLY	PER	3			chl	3			Ksp	vn	1							Clay alt'd OB. w/ <sup>5mm</sup> little chlonite and Ksp on some apple green clay (Sensate?)
41			OG/ GG		4g	Grn- WH	Ø	Py	1			CLY	PER	3			chl	3			Ksp	vn	1							~41.75-42.70m - grey, variet/vein of clay ~200 to CA. Poss. weathered sulphids?
43																														
45																														
47																														



PROJECT: Eureka

HOLE\_ID: EU11-035

LOGGED BY: E. O'Brien

DATE: 2011-09-24

INTERVAL	GRAPHIC			LITHOLOGY			MINERALIZATION			ALTERATION-1						ALTERATION-2						COMMENTS / DESCRIPTION							
	STRUCTURE	LITHOLOGY	ROCKCODE	MODIFYCODE	GRAIN_SIZE	COLOR	OXIDE_CODE	SULF1	SULF1_PCT CODE	SULF2	SULF2_PCT CODE	ALT-1	ALT-1_FORM	ALT-1_INT	ALT-1_VEIN_TYPE	ALT-1_VEIN_%	ALT-1_MIN1	ALT-1_MIN1_PCT CODE	ALT-1_MIN2	ALT-1_MIN2_PCT CODE	ALT2		ALT2_FORM	ALT2_INT	ALT2_VEIN_TYPE	ALT2_VEIN_%	ALT2_MIN1	ALT2_MIN1_PCT CODE	ALT2_MIN2
47																													
48																													
50																													
52																													
54																													
56																													
58																													
60																													
62																													

contd from previous

50.29-67.10

orthogneiss with biotite,  
mainly silicified w/ patchy  
chlorite albite; QK layers and QK veins

50.29-53.34 - very poor recovery.

py in v. fine disseminations and  
specks associated w/ Q or QK veins

chl 4

PROJECT: Eureka

HOLE\_ID: EU11-03

LOGGED BY: E. O'Brien

DATE: 2011-

09 25

PREDATOR  
GROUP

INTERVAL	GRAPHIC			LITHOLOGY			MINERALIZATION				ALTERATION-1						ALTERATION-2						COMMENTS / DESCRIPTION							
	STRUCTURE	LITHOLOGY	ROCKCODE	MODIFYCODE	GRAIN_SIZE	COLOR	OXIDE_CODE	SULF1	SULF1_PCT CODE	SULF2	SULF2_PCT CODE	ALT-1	ALT-1_FORM	ALT-1_INT	ALT-1_VEIN_TYPE	ALT-1_VEIN_%	ALT-1_MIN1	ALT-1_MIN1_PCT CODE	ALT-1_MIN2	ALT-1_MIN2_PCT CODE	ALT-2	ALT-2_FORM		ALT-2_INT	ALT-2_VEIN_TYPE	ALT-2_VEIN_%	ALT-2_MIN1	ALT-2_MIN1_PCT CODE	ALT-2_MIN2	ALT-2_MIN2_PCT CODE
62																														
63																														
65																														
67																														
69																														
71																														
73																														
75																														
76																														

PROJECT: Eureka

HOLE\_ID: EU11-0 35

LOGGED BY: E. O'Brien

DATE: 2011- 09 25

**PREDATOR**  
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INTERVAL	GRAPHIC			LITHOLOGY				MINERALIZATION				ALTERATION-1						ALTERATION-2						COMMENTS / DESCRIPTION							
	STRUCTURE	LITHOLOGY	ROCKCODE	MODIFYCODE	GRAIN_SIZE	COLOR	OXIDE_CODE	SULF1	SULF1_PCT CODE	SULF2	SULF2_PCT CODE	ALT-1	ALT-1_FORM	ALT-1_INT	ALT-1_VEIN_TYPE	ALT-1_VEIN_%	ALT-1_MIN1	ALT-1_MIN1_PCT CODE	ALT-1_MIN2	ALT-1_MIN2_PCT CODE	ALT-2	ALT-2_FORM	ALT-2_INT		ALT-2_VEIN_TYPE	ALT-2_VEIN_%	ALT-2_MIN1	ALT-2_MIN1_PCT CODE	ALT-2_MIN2	ALT-2_MIN2_PCT CODE	
77																															
79																															
81																															
82																															
85																															
87																															
89																															
91																															

cont 1

increase in chlorite alt'n

chl 5

80.0 - 82.10

↓

clay per 2

chl per 2

82.10-85.0 clay + chlorite alt'n.

K per 2 QK 3

chl per 2

85.0-86.0- strong increase in

Ksp alt'n and disc. py.

S 1 P K 2

chl per 1 2

86.0- 90.20

weak chl. alt'n and few

Ksp veinlets.

K pat 1

clay per 2

chl 4

90.2- 92.96

white clay alt'n, some chlorite  
weakly brecciated especially  
proximal to dk. gy clay  
veinlets.

PROJECT: Eureka

HOLE\_ID: EU11-035

LOGGED BY: E. O'Brien

DATE: 2011- 09 28

INTERVAL	STRUCTURE	LITHOLOGY	ROCKCODE	LITHOLOGY			MINERALIZATION			ALTERATION-1					ALTERATION-2					COMMENTS / DESCRIPTION									
				MODIFYCODE	GRAIN_SIZE	COLOR	OXIDE_CODE	SULF1	SULF1_PCT CODE	SULF2	SULF2_PCT CODE	ALT-1	ALT-1_FORM	ALT-1_INT	ALT-1_VEIN_TYPE	ALT-1_VEIN_%	ALT-1_MIN1	ALT-1_MIN1_PCT CODE	ALT-1_MIN2		ALT-1_MIN2_PCT CODE	ALT-2	ALT-2_FORM	ALT-2_INT	ALT-2_VEIN_TYPE	ALT-2_VEIN_%	ALT-2_MIN1	ALT-2_MIN1_PCT CODE	ALT-2_MIN2
91																													
92			06																										
94			06	fol	fm	grn-wh	Q	P1	1		K	pat	1	QK	2					clt	por	1				chl	5		92.96 - (24.7) Feldspr augn orthogneiss.
96																												clay+chlorite altered	
98																												w/ patchy and vein-related	
100																												K-spr alt'n.	
102																													
104																													~ 104.704 cm quartz-clay
106				fol	fm	grn-wh	Ø	P1	3											clt	por	2							vein
																													106.68-107.0 - clay quartz

alln.

105.6 - 108.70 -

7 11

Page \_\_\_\_ of \_\_\_\_

Songs of 800+ 1 day varieties w/  
some by + Py on outside salvage w/ NW Wrecciation



PROJECT: Eureka

HOLE\_ID: EU11-0 35

LOGGED BY: EOBner

DATE: 2011-09-24

INTERVAL	STRUCTURE	LITHOLOGY	ROCKCODE	LITHOLOGY			MINERALIZATION			ALTERATION-1						ALTERATION-2						COMMENTS / DESCRIPTION									
				MODIFYCODE	GRAIN_SIZE	COLOR	OXIDE_CODE	SULF1	SULF1_PCT CODE	SULF2	SULF2_PCT CODE	ALT-1	ALT-1_FORM	ALT-1_INT	ALT-1_VEIN_TYPE	ALT-1_VEIN_%	ALT-1_MIN1	ALT-1_MIN1_PCT CODE	ALT-1_MIN2	ALT-1_MIN2_PCT CODE	ALT-2		ALT-2_FORM	ALT-2_INT	ALT-2_VEIN_TYPE	ALT-2_VEIN_%	ALT-2_MIN1	ALT-2_MIN1_PCT CODE	ALT-2_MIN2	ALT-2_MIN2_PCT CODE	
106																															
107																															
109																															
111																															
113																															
115																															
117																															
119																															
121																															

(cont'd)

108.20

↑

fol frg wh 1 Py 3

K per 1 Py 1

ely pr 2

chl 2

108.20-124.97

Pyrite in occasional veins  
and disseminated throughout

↓

Py 1

~13.50 K-spr veins w/ speck  
of siliceous malachite mineral  
(MO???) not hornblende

Py 2

↓

PROJECT: Eureka

HOLE\_ID: EU11-0 35

LOGGED BY: E. O'Brien

DATE: 2011-09-25

INTERVAL	GRAPHIC		LITHOLOGY				MINERALIZATION				ALTERATION-1								ALTERATION-2								COMMENTS / DESCRIPTION				
	STRUCTURE	LITHOLOGY	ROCKCODE	MODIFYCODE	GRAIN_SIZE	COLOR	OXIDE_CODE	SULF1	SULF1_PCT CODE	SULF2	SULF2_PCT CODE	ALT-1	ALT-1_FORM	ALT-1_INT	ALT-1_VEIN_TYPE	ALT-1_VEIN_%	ALT-1_MIN1	ALT-1_MIN1_PCT CODE	ALT-1_MIN2	ALT-1_MIN2_PCT CODE	ALT-2	ALT-2_FORM	ALT-2_INT	ALT-2_VEIN_TYPE	ALT-2_VEIN_%	ALT-2_MIN1		ALT-2_MIN1_PCT CODE	ALT-2_MIN2	ALT-2_MIN2_PCT CODE	
122			06	bl	fm	wrt	1	py	1			X	pat	1	Ksp	1						cl	pt	2					chl	2	
124			12477																												
126																															
128			06	bx	fg	gyd	Ø	py	3													Gr	per	3					chl	1	Py is mainly finely disseminated
130																															
132																															
134																															
136																															

Lower contact is gradual  
and w/ clay alteration.

Most of the veining looks  
metamorphic and parallel to relict  
foliation.

PROJECT: Eureka

HOLE\_ID: EU11-0

SS

LOGGED BY:

E. O'Brien

DATE: 2011-

09 25

INTERVAL	GRAPHIC			LITHOLOGY			MINERALIZATION			ALTERATION-1							ALTERATION-2							COMMENTS / DESCRIPTION					
	STRUCTURE	LITHOLOGY	ROCKCODE	MODIFYCODE	GRAIN_SIZE	COLOR	OXIDE_CODE	SULF1	SULF1_PCT CODE	SULF2	SULF2_PCT CODE	ALT-1	ALT-1_FORM	ALT-1_INT	ALT-1_VEIN_TYPE	ALT-1_VEIN_%	ALT-1_MIN1	ALT-1_MIN1_PCT CODE	ALT-1_MIN2	ALT-1_MIN2_PCT CODE	ALT-2	ALT-2_FORM	ALT-2_INT		ALT-2_VEIN_TYPE	ALT-2_VEIN_%	ALT-2_MIN1	ALT-2_MIN1_PCT CODE	ALT-2_MIN2
136																													
137																													
139																													
141																													
143																													
145																													
147																													
149																													
151																													

PROJECT: Eureka

HOLE\_ID: EU11-035

LOGGED BY: E. OBrien

DATE: 2011-09-26

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INTERVAL	GRAPHIC			LITHOLOGY			MINERALIZATION			ALTERATION-1						ALTERATION-2						COMMENTS / DESCRIPTION								
	STRUCTURE	LITHOLOGY	ROCKCODE	MODIFYCODE	GRAIN_SIZE	COLOR	OXIDE_CODE	SULF1	SULF1_PCT CODE	SULF2	SULF2_PCT CODE	ALT-1	ALT-1_FORM	ALT-1_INT	ALT-1_VEIN_TYPE	ALT-1_VEIN_%	ALT-1_MIN1	ALT-1_MIN1_PCT CODE	ALT-1_MIN2	ALT-1_MIN2_PCT CODE	ALT-2		ALT-2_FORM	ALT-2_INT	ALT-2_VEIN_TYPE	ALT-2_VEIN_%	ALT-2_MIN1	ALT-2_MIN1_PCT CODE	ALT-2_MIN2	ALT-2_MIN2_PCT CODE
152												(cont'd)																		
																												chl 3		
154																														
156																														
158																														
160																														
162																														
164																														
166.12																														

(cont'd)

chl 3

chl 1

158 - 166.12

chl 3

py mainly in veins  
weakly bed

chl 3

166.12 EDH!!