

Drill Log: CFD0353

Easting	584917.17	Hole Length	164m	Prospect	Supremo T3	Drill Started	May 25, 2014	Comment Hole #1 of 2014 exploration program. Trouble with hydraulic pump at drill on May 26, slow progress, had to fly a replacement to drill.
Northing	6976499.26	Azimuth	270°	Target	T3 North	Drill Completed	May 28, 2014	
Projection	UTM7-NAD83	Dip	-45°	Geologist	Ebuitenhuis	Core Size	NQ2	
Survey method	RTK GPS	Elevation	954.6mASL					

Litholoav and Alteration

Interval	Lith	Texture	Deformation	Comments
0.0 - 6.8	OVB			
6.8 - 11.2	BtS	pblst		Oxidized biotite schist, moderate to strong clay alteration throughout. Up to 1.5% disseminated limonite, however most oxides are controlled by rubbly fractures.
		6.8 - 11.2	Patchy Strong Clay	Pervasive Weak Sericitisation
11.2 - 14.4	IV	fgrn		Fine grained andesitic dyke, weakly bleached, oxidized, and clay altered at margins. Strongest clay and oxidation at lower margin. Strong calcite throughout darkest, "freshest" central region of dyke throughout groundmass, in addition to crosscutting 1mm white calcite veinlets. Up to .75% finely disseminated limonite over last 50cm.
		11.2 - 14.4	Patchy Strong Calcite	Pervasive Moderate Clay
14.4 - 29.7	MxF		Fol-mod	Mixed gneiss, alternating between felsic and mafic dominant bands. Common pitting along foliation of mafic regions, local moderate fracture controlled clay. weak clay replacement of feldspars, weak epidote in patches. Up to .5% fracture controlled limonite. Rare white calcite pods, crosscutting veins (up to 1cm wide).
		14.4 - 29.7	Fracture Controlled Moderate Clay	Patchy Weak Calcite Patchy Weak Epidote
29.7 - 29.9	YO	bx		Thin breccia within felsic gneiss, extremely weak orange-yellow oxidation within matrix. Breccia is immature, and consists dominantly of a weak fracture network rather than a properly brecciated corridor. Lower contact with host rock oriented at 70/128 (AB). Minor carbonate within matrix, weak silicification (?)
		29.7 - 29.9	Pervasive Moderate Silicification	Pervasive Weak Calcite
29.9 - 35.6	MxF		Fol-mod	Mixed felsic-dominant gneiss. Coarse white mica in areas, weak qtz-clay alteration of feldspar augen. Max .25% fracture controlled limonite.
		29.9 - 35.6	Fracture Controlled Weak Clay	Pervasive Weak Silicification
35.6 - 38.9	FG		Fol-wk	Strongly altered felsic gneiss begins with .5% disseminated lim ox before pervasive silica or dolomite which obliterates original textures. Moderate clay from 37.2-37.6m along fractures where pre-min qtz veins are dismembered. Up ot .5% disseminated limonite in patches throughout the interval.
		35.6 - 38.9	Patchy Strong Silicification	Moderate Clay
38.9 - 40.8	BtS		Fol-mod	Biotite schist, moderate sericitization of feldspars, large (15cm) pre-min qtz vein, common calcite throughout schist. Minor crosscutting calcite veins, weak oxidation along fractures.
		38.9 - 40.8	Pervasive Moderate Sericitisation	
40.8 - 43.4	BtS			Most likely bts, gradational oxidation from previous unit into .75-1% disseminated orange-brown limonite within schist with coarse white mica. Local weak/immature breccia textures with limonitic fractures but no separation or rotation. Weak fracture controlled clay.
		40.8 - 43.4	Fracture Controlled Weak Clay	Pervasive Moderate Sericitisation Pervasive Weak Silicification
43.4 - 44.7	YO	bx		Clast supported clay-limonite matrix breccia. Clasts of qtz vein (?) can be mod to well rounded, bx appears to be supported by clasts but strong clay component. AB measurement of bx foliation/ wall contact is 35/220. no carbonate component to breccia. Final 70cm of breccia becomes more competent intensely silicified/dolomitized material, no visible foliation.
		43.4 - 44.7	Pervasive Strong Clay	Replaces Clasts Moderate Silicification Pervasive Strong Silicification
44.7 - 46.1	HU			Patchy zone; strong disseminated hematite at beginning of interval for 30cm and in 10cm patches throughout (1.5% diss) in mod to strongly silicified schist. Barely visible foliation, minor sericitization
		44.7 - 46.1	Pervasive Strong Silicification	Pervasive Moderate Sericitisation
46.1 - 48.2	MsS		Fol-wk	Altered schist, moderately silicified and moderate white clay alteration leading to bleaching in some areas. .5% limonite disseminated throughout schist. Dismembered pre-min qtz veins.
		46.1 - 48.2	Pervasive Moderate Silicification	Replaces Felsics Moderate Clay

48.2 - 48.5	MsS		Fol-wk	strong hematite disseminated through schist, moderate silica/dolo. Weak breccia textures in first 20cm of interval prior to deep red oxidation. 2% disseminated hematite.		
		48.2 - 48.5	Pervasive	Moderate Silicification	Pervasive Weak Sericitisation	
48.5 - 53.3	MsS		Fol-mod	Moderate white-yellow clay alteration of feldspars within a schistose unit. Spidery, purple-red hematitic oxidation along fracture surfaces (.25%). Coarse white mica in areas, common pitting along foliation. Weak clay alteration.		
		48.5 - 53.3	Pervasive	Moderate Clay	Pervasive Weak Sericitisation	Weak Silicification
53.3 - 54.0	MsS		Fol-wk	strong silicification (dolo?) leading into 1.5% deep red hematite through schist. Schistose texture commonly obliterated, though foliation readily visible.		
		53.3 - 54.0	Pervasive	Strong Silicification	Pervasive Moderate Sericitisation	
54.0 - 60.5	MxF		Fol-mod	Mixed gneiss, moderate silicification in patches and weak fracture controlled clay throughout. strong white clay from 58-58.3m with rubble. Strong sericite at 56m, and up to .25% disseminated yellow limonite.		
		54.0 - 60.5	Patchy	Moderate Clay	Patchy Moderate Silicification	Patchy Strong Sericitisation
60.5 - 61.6	MsS		Fol-mod	Strong silica/dolo at beginning of interval leading into 2% disseminated hematite along schistose foliation. Weak clay along fractures.		
		60.5 - 61.6	Pervasive	Strong Silicification	Pervasive Moderate Sericitisation	
61.6 - 65.0	MxF		Fol-mod	Silicified gneiss mixed with moderate clay-chlorite altered biotite schist. Patch of strong pervasive yellow white clay alteration from 63.3-63.5m. .5% fracture controlled limonite.		
		61.6 - 65.0	Patchy	Strong Clay	Replaces Mafics Moderate Chlorite	
65.0 - 69.5	MsS		Fol-mod	Fracture and oxidized schist, up to .5% disseminated limonite with local enrichments. Weak to moderate fracture controlled clay.		
		65.0 - 69.5	Fracture Controlled	Weak Clay	Pervasive Weak Sericitisation	
69.5 - 76.6	MxF		Fol-mod	Mixed felsic dominant gneiss, trace fc limonite and moderate silicification. Pink hematite staining in areas and late crosscutting calcite-limonite veinlets.		
		69.5 - 76.6	Pervasive	Moderate Silicification		
76.6 - 85.3	MxF		Fol-mod	Up to .75% fracture controlled limonite in rubbly zone, moderate clay alteration throughout: green after BtS and white-yellow within gneissic portions. Weak hematite staining (.25%) in patches.		
		76.6 - 85.3	Pervasive	Moderate Clay	Patchy Weak Sericitisation	Patchy Weak Silicification
85.3 - 90.1	FG		Fol-mod	Trace fc limonite though gneiss, patches of weak epidote after mafics, weak white clay along some fractures.		
		85.3 - 90.1	Fracture Controlled	Weak Clay	Pervasive Moderate Silicification	
90.1 - 95.9	MxF		Fol-mod	Strong calcite through schist, light orange colour throughout due to .5% diss limonite and yellow clay alteration of feldspars.		
		90.1 - 95.9	Replaces Felsics	Moderate Clay	Pervasive Strong Calcite	
95.9 - 101.7	MxF		Fol-mod	Moderate silicification of felsic dominant gneiss, patches of moderate sericite. Bts interval with very weak foliation and very fgrrn, possibly Ambts.		
		95.9 - 101.7	Pervasive	Moderate Silicification	Replaces Mafics Weak Chlorite	Patchy Moderate Sericitisation
101.7 - 108.4	MxF		Fol-mod	Mod white clay replacement of feldspars, strong clay breakdown from 104-105m along low angle TCA with .75% fc limonite associated with interval. Patchy .5% lim throughout. Str white yellow clay over last 60cm with patchy .75% diss limonite.		
		101.7 - 108.4	Fracture Controlled	Strong Clay	Replaces Felsics Moderate Clay	Patchy Moderate Sericitisation
108.4 - 120.0	MxF		Fol-mod	Mixed gneiss, moderate silicification throughout, patches of .25% diss hematite, patchy weak to mod epidote after mafics, trace fc lim.		
		108.4 - 120.0	Pervasive	Moderate Silicification	Patchy Moderate Epidote	
120.0 - 150.5	FG		Fol-mod	Coarse (1cm) qtz-fs augen within felsic gneiss, patches (up to 30cm) of mod to str sericitization with no associated mineralization. En echelon chlorite veinlets (1mm width) common in some patches. Weak diss pink hematite (.25%) in patches		
		120.0 - 150.5	Patchy	Strong Sericitisation	Pervasive Moderate Silicification	Patchy Moderate Epidote
150.5 - 164.0	MxF		Fol-mod	Minor intervals of biotite schist within felsic gneiss, moderate silicificaiton throughout, coarse qtz-feldspar augen. Patches of mod epidote, sericitization.		
		150.5 - 164.0	Patchy	Moderate Epidote	Patchy Moderate Sericitisation	Pervasive Moderate Silicification

Drill Log: CFD0354

Easting	584919.77	Hole Length	122m	Prospect	Supremo T3	Drill Started	May 28, 2014	Comment	-70 tilt of CFD0353
Northing	6976499.26	Azimuth	270°	Target	T3 North	Drill Completed	May 29, 2014		
Projection	UTM7-NAD83	Dip	-70°	Geologist	EBuitenhuis	Core Size	NQ2		
Survey method	RTK GPS	Elevation	954.93mASL						

Lithology and Alteration

Interval	Lith	Texture	Deformation	Comments
0.0 - 6.0	OVB			
6.0 - 7.5	Ylim	bx		Strongly clay altered schist, heavily fractured leading to weak to moderate breccia development in some patches. Matrix composed of clay, with small fragments of the host supported within: clasts are not silicified, and are generally in situ. .75% diss limonite mostly within clay.
		6.0 - 7.5	Pervasive Strong Clay	
7.5 - 8.4	YO	bx		Schist with 2% diss hematite along foliation and developing brecciation; immature, but weak silicification of clasts beginning. Fracture networks beginning to open, infilled with weak limonite-clay alteration. moderate silica throughout.
		7.5 - 8.4	Patchy Strong Clay	Patchy Moderate Silicification
8.4 - 10.1	MsS		Fol-mod	Mod to strong clay alteration of schist, coarse white mica evident defining foliation, limonite-clay fracture/structure cutting ~40-45 degrees TCA at 8.75m,. Up to 2% diss limonite over 9-10m associated with strong pervasive clay altn. Mod silica where core is more competent.
		8.4 - 10.1	Patchy Strong Clay	Patchy Moderate Silicification
10.1 - 19.3	MxF	pblst		Mixed gneiss, porphyroblastic biotite schist at beginning of interval, strong fracture controlled white clay after pblst and fractures with coarse white mica, grading into moderate silicification within fg with coarse qtz-fs augen. .5% limonite, patches of pink hematite within gneiss.
		10.1 - 12.0	Fracture Controlled Strong Clay	Fracture Controlled Moderate Sericitisation
		12.0 - 19.1	Replaces Felsics Weak Clay	Pervasive Moderate Silicification
		19.1 - 22.6	Pervasive Strong Calcite	Pervasive Weak Chlorite
19.3 - 22.6	IV	fgrn		Fine grained andesite dyke, pervasive strong calcite in addition to 1mm thick xcutting veinlets. Rare oxidation along fracture planes. Upper contact AB: 045/12, directly in contact with 10cm buck white qtz vein. Lower contact AB: 55/178.
22.6 - 41.8	MxF		Fol-mod	Weak pink-orange colour to felsic dominant gneiss; gneiss portions are mod silicified, with .25% fc limonite, bts intervals weak chlorite, clay after feldspar pblst,. Patches of up to .5% diss limonite over 20cm intervals associated with fracture bleed. Late xcutting calcite veinlets common.
		22.6 - 41.8	Patchy Moderate Silicification	Replaces Mafics Weak Chlorite Replaces Felsics Weak Clay
41.8 - 47.9	MxF		Fol-str	Strong silicification in patches of gneiss, leading to white bleaching, sericite, dolomite alteration over 20cm patches. Glassy appearance throughout, patches of .75% diss limonite
		41.8 - 47.9	Patchy Strong Silicification	Patchy Strong Sericitisation Patchy Strong Dolomite
47.9 - 55.7	MxF	augn	Fol-mod	gneiss contains qtz-fs augen of up to 1cm, moderate patchy silica. Strong white clay alteration leading to disaggregation of bts patches (53-54m) and bleaching due to altn of feldspars. Last 1m of interval becomes more competent, moderate chlorite after mafics in bts.
		47.9 - 55.7	Fracture Controlled Strong Clay	Patchy Moderate Silicification Replaces Mafics Moderate Chlorite
55.7 - 60.9	MxF			Competent 40cm intervals of chlorite-green bts within patchily sericitized, silicified, and oxidized gneiss. Up to .5% disseminated hematite in a purple colour over last 1m in association with strong sericitization and silicification of gneiss. Up to 1% diss limonite in patches.
		55.7 - 60.9	Patchy Strong Silicification	Patchy Strong Sericitisation Patchy Strong Dolomite
60.9 - 63.4	MsS		Fol-wk	Shoulder to zone, moderate pervasive white-yellow clay transitions gradually into .75% diss limonite through relict schistose textures. Moderate silicification over last 1.5m of interval, with 10cm of dismembered/weakly brecciated qtz vein from 62.8-62.9m. Colour of oxidation is a buff orange, indicating weak mineralization?
		60.9 - 63.4	Patchy Moderate Silicification	Patchy Moderate Clay

63.4 - 67.0	HU		Zone: strongly oxidized (2.5% diss limonite) schist (?) with original textures nearly obliterated. Patches of Ylim breccia development and potential FC dyke from 63.5-64m (?). Matrix to thin breccias consists of str clay, mostly as a more mature fracture network rather than a breccia-style corridor. Qtz vein clasts dismembered in some areas. Patch of 1.5% diss hematite from 65.6-65.8m followed by rotten clay-qtz crystal fracture at 66m.
		63.6 - 67.0	Patchy Strong Clay Pervasive Weak Sericitisation
67.0 - 67.8	MsS	Fol-mod	Oxidation weakens to .75% diss with an increase in white clay. Foliation of schist well preserved and defined by coarse white mica, str clay along fractures. 10cm clay matrix bx at very end of unit.
		67.0 - 67.8	Pervasive Moderate Sericitisation Fracture Controlled Strong Clay
67.8 - 69.9	MsS		Up to 1.5% diss limonite through schist, thin Ylim breccia from 69.2-69.3m with subtly rotated clasts of host schist set in fgrn limonite-silica-clay matrix. Weak fracture controlled clay.
		67.8 - 69.9	Fracture Controlled Weak Clay Patchy Moderate Silicification
69.9 - 75.3	MsS	Fol-mod	White clay alteration of feldspars throughout schist, weak clay along fractures, patches of .5% disseminated limonite.
		69.9 - 75.3	Replaces Felsics Moderate Clay Pervasive Moderate Sericitisation
75.3 - 88.5	MsS	Fol-mod	Moderate sericite throughout schist, weak white clay along fractures, up to .5% fc limonite. Bleached out, grey colouration.
		75.3 - 88.5	Pervasive Moderate Sericitisation Fracture Controlled Weak Clay
88.5 - 90.0	MsS	Fol-mod	Heavily fractured schistose rock, weak clay along fractures. Some fractures dilated and clay filled, with loose fragments of host, but not at bx level. Upto 1% diss limonite
		88.5 - 90.0	Fracture Controlled Moderate Clay Pervasive Moderate Sericitisation
90.0 - 90.5	Ylim		Interval of ylim brecciation, matrix supported when ground is competent, mostly rubble. 1.5% diss limonite within bx matrix. Mod sericitization of clasts and schistose host surrounding.
		90.0 - 90.5	Pervasive Moderate Clay Replaces Clasts Moderate Sericitisation
90.5 - 92.2	MsS	Fol-mod	Schist with coarse white muscovite, clay-lim fractures (.75% fc) and weak to moderate fc clay.
		90.5 - 92.2	Fracture Controlled Weak Clay Pervasive Moderate Sericitisation
92.2 - 92.8	Ycarb		Ycarb brecciation through muscovite schist, 1% diss limonite within matrix to breccias. Bx begins as clast supported fracture network but grades into a distinct corridor with 80% matrix to 20% clasts from 92.4-92.6m.
		92.2 - 92.8	Pervasive Strong Fe-carb Replaces Clasts Moderate Sericitisation
92.8 - 100.4	MsS	Fol-mod	Up to .75% patchy limonite within sericitized schistose host. Local qtz-lim veining and Ycarb bx (<10cm) textures. Moderate fracture controlled clay on rubbly surfaces, rare pink hematite controlled by fractures.
		92.8 - 100.4	Pervasive Moderate Sericitisation Fracture Controlled Moderate Clay Patchy Moderate Fe-carb
100.4 - 109.2	MxF	Fol-mod	Weakly oxidized mixed gneiss, weak clay after feldspar porphyroblasts, moderate patchy silicification of gneiss. Heavily fractured with .5% diss limonite from 104.6-105.6m, weak fc clay.
		100.4 - 109.2	Patchy Weak Sericitisation Patchy Moderate Silicification Fracture Controlled Weak Clay
109.2 - 122.0	MxF	Fol-mod	Mixed gneiss, moderate sericitization and white clay alteration of feldspars, patches of .5% purple hematite along foliation. Moderate fracture controlled clay in areas.
		109.2 - 122.0	Fracture Controlled Moderate Clay Pervasive Moderate Sericitisation

Drill Log: CFD0355

Easting	584827.86	Hole Length	203m	Prospect	Macchiato	Drill Started	May 29, 2014	Comment	T3-Macc intersection
Northing	6976177.12	Azimuth	315°	Target	T3-Macc	Drill Completed	Jun 01, 2014		
Projection	UTM7-NAD83	Dip	-45°	Geologist	Ebuitenhuis	Core Size	NQ2		
Survey method	RTK GPS	Elevation	1001.09mASL						

Lithology and Alteration

Interval	Lith	Texture	Deformation	Comments
0.0 - 4.0	OVb			
4.0 - 8.8	FG			Felsic gneiss, glassy and silicified in patches, but strongly fractured and reduced to rubble in others. Moderate fc clay, up to .5% fc limonite.
		4.0 - 8.8	Fracture Controlled Moderate Clay	Patchy Moderate Silicification
8.8 - 16.0	MxF			Strong clay replacement of feldspars within felsic gneiss, some patches of schistose rock. Strong pervasive clay in patches, strong sericite in patches. dominantly a rubble zone. Thin local pink-green clay breccia corridors (Mn)
		8.8 - 16.0	Patchy Strong Clay	Patchy Strong Sericitisation
16.0 - 37.9	MxF	augn	Fol-mod	Mixed gneiss, local areas of .75cm qtz-feldspar augen within gneiss, patchy .5% diss oxides (limonite) within schist around minor fracture networks. Moderate clay replaces feldspars, weak fracture controlled clay.
		16.0 - 37.9	Fracture Controlled Weak Clay	Patchy Moderate Silicification
37.9 - 38.6	MsS			Up to 1.5% diss limonite within muscovite schist, mod to str clay altn on fractures, coarse white mica.
		37.9 - 38.6	Fracture Controlled Strong Clay	Pervasive Moderate Sericitisation
38.6 - 53.8	MsS		Fol-mod	moderately silicified schist, mod clay along fractures and replacing feldspars along foliation. Patchy pink (Mn) hematite in addition to .25% fc limonite. Mod to strong sericite throughout.
		38.6 - 53.8	Pervasive Strong Sericitisation	Patchy Moderate Silicification Fracture Controlled Moderate Clay
53.8 - 62.0	MsS		Fol-mod	Weak zone, up to 1% patches of disseminated hematite through schistose host along foliation. Patches of strong yellow-white clay alteration. Moderate sericite throughout. Thin clay mtx breccia (yellow) which follow foliation planes of schist. .75% fc limonite in areas.
		53.8 - 62.0	Pervasive Moderate Sericitisation	Patchy Strong Clay
62.0 - 62.3	MsS		Fol-wk	thin interval of 1.5% diss hematite through schist. Weak fracture controlled clay, with .5% limonite along fractures.
		62.0 - 62.3	Pervasive Moderate Sericitisation	Fracture Controlled Weak Clay Pervasive Moderate Silicification
62.3 - 67.6	MxF		Fol-mod	Mod to strong sericite through mixed schist and gneiss, strong pervasive calcite throughout. Moderate white clay after feldspars, up to .75% fc limonite. Strong disruption of foliation at bottom of unit in association with fracture network with clay and lim.
		62.3 - 67.6	Pervasive Moderate Sericitisation	Pervasive Strong Calcite
67.6 - 70.1	MxF		Fol-mod	Initial zone: up to 1.5% disseminated limonite through schistose host, moderate silicification, sericitization. Thin BX textures, immature. Local ptches of .75% hematite, distributed along foliation defined by coarse white mica.
		67.6 - 70.1	Pervasive Moderate Silicification	Pervasive Moderate Sericitisation Fracture Controlled Weak Clay
70.1 - 71.6	MsS		Fol-mod	moderate sericite through schist, weak fracture controlled clay. Approx. .55 diss limonite through schist
		70.1 - 71.6	Pervasive Moderate Sericitisation	Fracture Controlled Weak Clay
71.6 - 72.8	YO			Patchy brecci with clay matrix through deep red hematitic host. Strong silicification of host prior to brecciation, moderate fc clay, up to 2% diss hematite.
		71.6 - 72.8	Patchy Strong Silicification	Fracture Controlled Moderate Clay Replaces Matrix Moderate Clay
72.8 - 73.4	MsS		Fol-mod	Strong sericitization of schist, grey in colour, brick hematite oxidizing in off of fracture planes to a max penetration depth of 1.5cm into host. Weak As signature throughout.
		72.8 - 73.4	Pervasive Strong Sericitisation	Fracture Controlled Weak Clay

73.4 - 77.6	MsS		Fol-mod	Zone: up to 1% diss limonite throughout schistose host, narrow intervals of YO/Ylim clay matrix bx, immature. .75-1% diss hematite in patches.
		73.4 - 77.6	Patchy Strong Sericitisation	Patchy Moderate Silicification Fracture Controlled Weak Clay
77.6 - 79.9	FC	fgrn		1.5% diss limonite through oxidized felsic dyke. Moderate pervasive clay, weak foliation visible on margins?
		77.6 - 79.9	Pervasive Moderate Clay	
79.9 - 85.2	MxF	augn	Fol-mod	Mix of schist with patches of strong sericite with felsic gneiss with coarse qtz-feldspar augen. Patches of moderate clay replacing feldspars and also along fractures. Patches of strong silicification.
		79.9 - 85.2	Patchy Strong Silicification	Pervasive Moderate Sericitisation Replaces Felsics Moderate Clay
85.2 - 86.6	YO			Short interval of YO breccia, dominantly immature consisting of locally rotated clasts of strongly silicified and sericitized host. Yellow-white clay acts as matrix to clasts. .5% fc limonite.
		85.2 - 86.6	Patchy Strong Silicification	Patchy Strong Sericitisation Replaces Matrix Strong Clay
86.6 - 89.2	Ylim			Strong zone: 2% diss limonite and 2% diss hematite over Ylim brecciated interval, breccias run up to 20cm in length and are scattered across the interval; consist of strong limonite-hematite-clay matrix supporting heavily sericitized and clay altered host. Commonly broken down into rubble across interval.
		86.6 - 89.2	Replaces Matrix Strong Clay	Replaces Clasts Strong Sericitisation Pervasive Moderate Clay
89.2 - 92.4	FG		Fol-wk	Alteration halo surrounding zone, strong silicification throughout, thin IV dyke from 92.1-92.35. .25% diss limonite.
		89.2 - 92.4	Pervasive Strong Silicification	
92.4 - 116.8	MxF		Fol-mod	silicified mixed gneiss, weak chlorite after mafics and trace fc limonite. Weak fc clay.
		92.4 - 116.8	Pervasive Strong Silicification	Fracture Controlled Weak Clay
116.8 - 120.9	FG		Fol-mod	Felsic gneiss, weak calcite veining through fine fractures, coarse cubic Mt throughout (up to 1mm) along foliation. Patches up to 4cm wide of pure Mt, also intense epidote in blotchy patches, potential for one psd after another? Large patch of Mt at 118.9m hits up to 190ppm Au on XRF (???) also: Pb, Cu, Bi, Ag, Co. Skarnish?
		116.8 - 120.9	Pervasive Strong Silicification	Patchy Intense Epidote Fracture Controlled Weak Clay
120.9 - 139.5	MxF		Fol-str	Mixed gneiss, strong silicification in patches, moderate epidote after mafic intervals. Weak sericite throughout.
		120.9 - 139.5	Patchy Strong Silicification	Patchy Moderate Epidote Pervasive Weak Sericitisation
139.5 - 141.5	FG		Fol-str	Strongly silicified, sericitized gneiss, strong disruption of foliation, up to .5% disseminated limonite.
		139.5 - 141.5	Pervasive Strong Silicification	Pervasive Strong Sericitisation
141.5 - 190.2	MxF		Fol-str	Mixed gneiss, dark biotite schist with moderate epidote after mafics, pink disseminated hematite along foliation of FG (in some spots more like MsS), patches of up to .5% disseminated orange limonite and weak fracture controlled clay (max 1m)
		141.5 - 190.2	Pervasive Moderate Silicification	Fracture Controlled Weak Clay Replaces Mafics Moderate Epidote
190.2 - 191.2	FG			Felsic gneiss, patches of sooty sulphide as veinlet clusters, glassy silicification and moderate white clay replacement of feldspars apparent.
		190.2 - 191.2	Pervasive Strong Silicification	Pervasive Strong Sericitisation Replaces Felsics Moderate Clay
191.2 - 191.8	YC	bx		strongly silicified YC breccia, microcrystalline qtz-py (sooty) matrix hosting glassy fragments of quartz, rotated clasts of gneissic host with strong sericitization and dolomitization.
		191.2 - 191.8	Pervasive Strong Silicification	Replaces Clasts Strong Sericitisation
191.8 - 194.4	FG		Fol-mod	Felsic gneiss, patches of sooty sulphide as veinlet clusters, glassy silicification and moderate white clay replacement of feldspars apparent.
		191.8 - 194.4	Pervasive Strong Silicification	Pervasive Strong Sericitisation Replaces Felsics Moderate Clay
194.4 - 203.0	FG		Fol-mod	Moderately silicified felsic gneiss, weak fc clay, trace fc limonite.
		194.4 - 203.0	Pervasive Moderate Silicification	Fracture Controlled Weak Clay

Drill Log: CFD0356

Easting	584829.53	Hole Length	170m	Prospect	Macchiato	Drill Started	Jun 01, 2014	Comment	-70 tilt of CFD0355
Northing	6976176.07	Azimuth	318°	Target	T3-Macc	Drill Completed			
Projection	UTM7-NAD83	Dip	-70°	Geologist	Lboyce	Core Size	NQ2		
Survey method	RTK GPS	Elevation	1001.89mASL						

Litholoav and Alteration

Interval	Lith	Texture	Deformation	Comments
0.0 - 5.0	OVB			
5.0 - 10.0	FG		Fol-mod	green-pink-white strong clay alt t
		5.0 - 10.0		Pervasive Strong Clay
10.0 - 37.2	MxF		Fol-mod	weak clay alt after fsp, patches of pink hem stain, fracture controlled lim up to 0.25%, from 24.35-24.82 diss hem up to 1%, rare 2-4cm wide milky quartz veins
		10.0 - 37.2		Replaces Felsics Weak Clay
37.2 - 39.6	MxF		Fol-mod	green tint, mod clay alt, fracture controlled lim up to 0.25%
		37.2 - 39.6		Replaces Felsics Moderate Clay
39.6 - 45.6	MxF		Fol-mod	pink hem stain with patchy oxidation, weak clay alt, fracture controlled hem up to 0.25%
		39.6 - 45.6		Patchy Weak Clay
45.6 - 49.6	MxF		Fol-mod	pathcy 20cm zones of disseminated hem up to 1.5%, coarse white micas
		45.6 - 49.6		Pervasive Moderate Clay
49.6 - 52.2	FG		Fol-mod	weak clay alt, fracture controlled hem up to 0.25%, weak silica
		49.6 - 52.2		Replaces Felsics Weak Clay Patchy Weak Silicification
52.2 - 55.2	MxF		Fol-mod	pathcy stong clay alt and diss lim+hem up to 2.5%, coarse white micas, patchy oxidation, minor 1cm wide quartz veinlets
		52.2 - 55.2		Pervasive Moderate Clay
55.2 - 71.7	MxF		Fol-mod	Patchy mod clay alt, patch of 3% fracture controlled lim at 59.8m associated with quartz vein, quartz vein with coarse micas from 63.85-64.15m, patchy pink hem stain
		55.2 - 61.7		Pervasive Moderate Clay
		61.7 - 64.2		Replaces Felsics Weak Clay
		64.2 - 65.6		Pervasive Moderate Clay
		65.6 - 66.3		Pervasive Moderate Chlorite
		66.3 - 71.7		Replaces Felsics Weak Clay
71.7 - 74.5	FG	augn	Fol-mod	Strongly silicified felsic gneiss, with quartz augen up to 1.5cm, weak pink-red hem staining
		71.7 - 74.5		Replaces Felsics Weak Clay Pervasive Strong Silicification Patchy Weak Sericitisation
74.5 - 81.0	MxF		Fol-mod	weak clay alt, weak silica, patchy 10cm wide disseminated pink-red hem, milky quartz vein from 80-80.1m
		74.5 - 81.0		Replaces Felsics Weak Clay Pervasive Weak Silicification
81.0 - 85.9	MxF		Fol-mod	Brick red zone with strongly disseminated hem up to 2.5%, local increases to >3%, minor breccia from 83.79-83.88m with lim matrix and silicified sub-angular clasts, patchy windows of sooty sulphides from 84.9-85.18m
		81.0 - 85.9		Pervasive Moderate Clay Pervasive Weak Silicification
85.9 - 88.2	FG		Fol-mod	Weak clay alt, minor quartz veins with clay alt halo, weak silca, fracture controlled hem up to 0.75%
		85.9 - 88.2		Replaces Felsics Weak Clay Pervasive Weak Silicification
88.2 - 89.8	Ylim	bx		Breccia, clast supported, lim matrix, clasts silicified and show weak sercite alt, strong clay alt throughout
		88.2 - 89.8		Pervasive Strong Clay Pervasive Moderate Silicification Pervasive Weak Sericitisation

89.8 - 96.6	MxF		Fol-mod	Steel-grey with disseminated sooty sulphides, 89.79-90.51 shows oxidation profile, fresh rock from 90.51 to 95 with minor patchy fracture controlled oxidized hem, small 2cm wide silicified clast breccia at 93.45m		
		89.8 - 95.0	Patchy Weak Sericitisation			
		95.0 - 102.6	Patchy Weak Sericitisation	Pervasive Weak Clay	Patchy Weak Silicification	
96.6 - 102.6	MxF		Fol-mod	patchy oxidation with, weak yellow-white clay alt, patchy strong sericite alt, patchy disseminated hematite up to 0.5%, fracture controlled hem up to 1%, strongly silicified from 99.7-99.9m, alteration banding from 99.95-100.3m,		
102.6 - 107.1	MxF		Fol-mod	disseminated hem up to 1.5%, patchy windows of unoxidized rock, fracture controlled hem up to 0.5%, weak clay alt		
		102.6 - 107.1	Pervasive Weak Clay			
107.1 - 109.7	MxF		Fol-mod	Patchy yellow-white clay alt, patchy vein controlled hem up to 1%, rare fracture controlled lim		
		107.1 - 109.7	Patchy Weak Clay			
109.7 - 115.4	FG		Fol-mod	white-grey with patchy pink hem stain, strong pervasive silicification, minor small carbonate veinlets, weak clay and sericite alt		
		109.7 - 115.4	Fracture Controlled Weak Clay	Pervasive Weak Sericitisation	Pervasive Strong Silicification	
115.4 - 117.2	MxF		Fol-mod	dark grey with brown hematite fracture networks, weak sericite alt, strong silicification, patchy sooty sulphide		
		115.4 - 117.2	Pervasive Strong Silicification	Patchy Moderate Sericitisation		
117.2 - 127.9	MxF		Fol-mod	white-buff with patchy pink hem stain, fracture controlled lim up to 0.25%, mod silicification, patchy yellow clay alt,		
		117.2 - 127.9	Patchy Moderate Clay	Pervasive Moderate Silicification		
127.9 - 132.0	YC	bx		Variably patchy oxidized breccia with sooty ` and fracture controlled hem, clasts are silicified and rounded to sub-rounded, clay alteration along fractures, weak diss py, shoulders of breccia show more intense fracturing than interior corridor which is primarily unoxidized		
		127.9 - 132.0	Fracture Controlled Weak Clay	Pervasive Moderate Silicification		
132.0 - 134.6	YS	bx		sooty Sulphide matrix breccia, grey color, distinct breccia wall structural measurements, silicified clasts, no apparent fabric, weak lim in fractures		
		132.0 - 134.6	Pervasive Moderate Silicification			
134.6 - 135.3	YC	bx		Variably patchy oxidized breccia with sooty ` and fracture controlled hem, clasts are silicified and rounded to sub-rounded, clay alteration along fractures, weak diss py, shoulders of breccia show more intense fracturing than interior corridor which is primarily unoxidized		
		134.6 - 135.3	Fracture Controlled Weak Clay	Pervasive Moderate Silicification		
135.3 - 141.6	MxF		Fol-mod	grey with patchy pink hem stain, mod silicification, minor brassy py cubes, fracture controlled lim up to 0.25%, patchy disseminated hem up to 05%, weak pervasive clay and sericite		
		135.3 - 141.6	Pervasive Weak Clay	Pervasive Moderate Silicification	Pervasive Weak Sericitisation	
141.6 - 170.0	FG		Fol-mod	grey with patchy pink hem stain, mod silicification, patchy yellow-clay alteration, fracture controlled hem+lim up to 0.25%, minor opaque quartz veins		
		141.6 - 170.0	Patchy Weak Clay	Pervasive Moderate Silicification	Patchy Weak Sericitisation	

Drill Log: CFD0357

Easting	585155.88	Hole Length	164m	Prospect	Macchiato	Drill Started	Jun 03, 2014	Comment
Northing	6976319.3	Azimuth	0°	Target	Macchiato East	Drill Completed	Jun 05, 2014	
Projection	UTM7-NAD83	Dip	-45°	Geologist	Lboyce	Core Size	NQ2	
Survey method	RTK GPS	Elevation	995.98mASL					

Litholoav and Alteration

Interval	Lith	Texture	Deformation	Comments
0.0 - 6.0	OVB		Fol-mod	Felsic gneiss ovb, mod silica, weak clay alt, fracture controlled hem up to 0.25%
		0.0 - 6.0	Pervasive	Moderate Silicification
6.0 - 20.8	MxF		Fol-mod	mixed felsic gneiss, variable fracture controlled hem generally 0.5% up to 0.75%, disseminated hem up to 1% is small 10cm wide patches, mod silicification, weak patchy clay alteration, pink hem stain
		6.0 - 20.8	Pervasive	Moderate Silicification Replaces Felsics Weak Clay
20.8 - 27.3	FG		Fol-mod	moderate clay alt (yellow-white) with patchy pink hem stains (5cm wide), opaque quartz vein from 20.95-21.55, minor vuggy quartz veins, up to 0.5% patchy disseminated oxides
		20.8 - 27.3	Pervasive	Weak Silicification Patchy Moderate Clay Patchy Weak Sericitisation
27.3 - 40.4	MxF		Fol-mod	grey-green, patchy moderate sericite, fracture controlled lim up to 0.25%, mod pervasive silicification
		27.3 - 40.2	Patchy	Moderate Sericitisation Pervasive Weak Silicification
		40.2 - 48.1	Pervasive	Moderate Sericitisation Pervasive Weak Clay
40.4 - 48.1	FG		Fol-mod	grey-green, mod pervasive sericite, weak disseminated clay, fracture controlled hem up to 0.25%, 20cm patches of diss hem up to 0.5%, trace fracture controlled lim, minor 3 cm opaque quartz veins with clay alt and oxide halos
48.1 - 66.5	MxM		Fol-mod	green-dark grey color, increase in mafics, 20cm intervals of felsic augen gneiss, local weak pervasive clay, patches of pink hem, fracture controlled lim up to 0.25%
		48.1 - 66.5	Patchy	Weak Sericitisation Patchy Weak Clay
66.5 - 68.2	MxM		Fol-mod	zone- disseminated hematite up to 2.5%, fracture controlled hem vein network, weak pervasive silcification, moderate clay alteration
		66.5 - 68.2	Pervasive	Weak Silicification Pervasive Moderate Clay
68.2 - 91.5	MxF		Fol-mod	patchy intercalated zones of pink hem stained gneiss and black mafic gneiss, moderate pervasive silicification, weak clay alt across interval with strong clay alt 70.0-70.3m, fracture controlled hem up to 0.5%
		68.2 - 91.5	Pervasive	Moderate Silicification Pervasive Weak Clay
91.5 - 103.6	GG		Fol-wk	Tonalite- felsic intrusive dyke, siliceous carbonate aphanitic matrix, with <1mm subhedral fsp and quartz porphyroblasts, pale-green white colour, variable manganese dendrites which ocasipnally define a weak foliation, cross-cuts foliation with rare 30cm rafts of wall rock, minor patches of weak clay alteration along fractures,
		91.5 - 103.6	Fracture	Controlled Weak Clay
103.6 - 105.9	BtS		Fol-mod	Small bands (5cm)of pink hem stain, fracture 0.1% controlled hem, minor 1cm wide fol parallel qtz veins, weak clay alteration along fractures
		103.6 - 105.9	Fracture	Controlled Weak Clay
105.9 - 127.0	GG		Fol-wk	Tonalite- felsic intrusive dyke, siliceous carbonate aphanitic matrix, with <1mm subhedral fsp and quartz porphyroblasts, pale-green white colour, variable manganese dendrites which ocasipnally define a weak foliation, cross-cuts foliation with rare 30cm rafts of wall rock, minor patches of weak clay alteration along fractures,
		105.9 - 127.0	Fracture	Controlled Weak Clay
127.0 - 131.2	MxF		Fol-mod	Fracture controlled hem up to 0.25%, mod pervasive clay alt, small patches of diss hem up to 1%
		127.0 - 131.2	Pervasive	Moderate Clay
131.2 - 156.6	MxF		Fol-mod	Patchy pink hem stain, 0.1% fracture controlled hem+lim, quartz augen <1cm, weak patchy silicification
		131.2 - 156.6	Patchy	Weak Silicification

156.6 - 160.8	GG	Fol-wk	Tonalite- felsic intrusive dyke, siliceous carbonate aphanitic matrix, with <1mm subhedral fsp and quartz porphyroblasts, pale-green white colour, variable manganese dendrites which ocasipnally define a weak foliation, cross-cuts foliation with rare 30cm rafts of wall rock, minor patches of weak clay alteration along fractures,
	156.6 - 160.8	Fracture Controlled Weak Clay	
160.8 - 164.0	MxM	Fol-mod	Fracture controlled lim+hem up to 0.1%, weak silicification, 8cm wide quartz vein with clay alteration halo, in quartz vein one large massive (2.5cm) fractured pyrite crystal, with hem halo
	160.8 - 164.0	Pervasive Weak Silicification	

Drill Log: CFD0358

Easting	585332.79	Hole Length	77.28m	Prospect	Supremo T3	Drill Started	Jun 05, 2014	Comment	Problems with recovery, hole will be re-
Northing	6977191.08	Azimuth	270°	Target	T3 Far North	Drill Completed	Jun 07, 2014		drilled at -50 (CFR0359)
Projection	UTM7-NAD83	Dip	-45°	Geologist	Lboyce	Core Size	NQ2		
Survey method	RTK GPS	Elevation	842.89mASL						

Lithology and Alteration

Interval	Lith	Texture	Deformation	Comments
0.0 - 6.2	OVb			Overburden, gneiss
		0.0 - 6.2	Patchy Weak Clay	
6.2 - 18.5	FG	lamn		Felsic gneiss, pink with variable hematite staining, local quartz augens < 1 cm. Trace fracture controlled limonite and hematite (0.1%). Qtz vein with clay alteration halo at 8.15-8.45 m and sooty pyrite cubes. Patchy moderate clay alteration. Strongly fractured intervals with significant core loss.
		6.2 - 18.5	Patchy Moderate Clay	
18.5 - 20.5	FG	lamn		Zone. Felsic gneiss, orange-brown. Weak FC to local moderate clay alteration, 0.25% FC limonite and hematite to localized 1 % disseminated hematite and limonite (18.8-19.05 m, 19.5-20 m). Short interval of strongly clay altered HU at 18.8-19.05 m, containing an XRF As reading at 1440 ppm. Coarse white mica along foliation.
		18.5 - 18.8	Fracture Controlled Weak Clay	
		18.8 - 19.1	Pervasive Moderate Clay	
		19.1 - 20.5	Fracture Controlled Weak Clay	
20.5 - 42.0	FG	lamn		Felsic gneiss, grey, localized pink hematite staining. Weak clay along fractures. Patchy strong clay and weak sericite alteration in rubble intervals (between 22.2-31.5 m). Local strong silicification associated with qtz veining with vugs and oxidized cubic pyrite (32.3-33.6 m). Possibly a minor clay altered dyke (?) at 26.10-26.30 m. 0.25% FC hematite.
		20.5 - 22.2	Fracture Controlled Weak Clay	
		22.2 - 31.5	Patchy Strong Clay	Patchy Weak Sericitisation
		31.5 - 32.3	Fracture Controlled Weak Clay	
		32.3 - 33.6	Pervasive Strong Silicification	
		33.6 - 42.0	Fracture Controlled Weak Clay	
42.0 - 62.1	FG	lamn		Felsic gneiss, grey-brown, local qtz augens < 1cm. Minor mafic BtS layer at 38.7-39.10m. Weak clay replacing feldspars, patchy weak silicification. Weak sericite at bottom of unit (52-62.05 m). Up to 0.25% FC hematite, 0.1 % limonite-clay replacing feldspars and along fractures. Local strong clay alteration associated with milky qtz vein at 61-61.16 m. 0.1% partly oxidized cubic pyrite.
		42.0 - 52.0	Replaces Felsics Weak Clay	Patchy Weak Silicification
		52.0 - 60.8	Replaces Felsics Weak Clay	Patchy Weak Silicification Patchy Weak Sericitisation
		61.0 - 61.2	Patchy Strong Clay	
		61.2 - 62.1	Replaces Felsics Weak Clay	Patchy Weak Silicification Patchy Weak Sericitisation
62.1 - 62.6	FG			Zone. Broken up interval of strongly clay altered pieces of felsic gneiss with significant core loss. 0.5 % disseminated limonite and hematite.
		62.1 - 62.6	Pervasive Strong Clay	
62.6 - 63.4	FG			Zone. Orange-grey. Weak silica-sericite alteration, weak to local moderate pervasive clay in partly brecciated interval (63.3-63.35 m). 0.5% disseminated limonite. Significant core loss in interval.
		62.6 - 63.4	Pervasive Weak Clay	Patchy Weak Silicification Replaces Felsics Weak Sericitisation
63.4 - 63.8	Ylim	matx		Zone. Limonite-clay matrix supported breccia with moderately silicified sub-angular to sub-rounded clasts (1-30 mm) of wall rock and quartz veins. Strong clay alteration and 4 % disseminated limonite. Significant core loss in interval.
		63.4 - 63.9	Pervasive Strong Clay	Replaces Clasts Moderate Silicification

63.8 - 67.5	FG			Zone. Broken up interval with significant core loss. Grey-orange, strong patchy clay alteration associated with short intervals of weak brecciation; clast supported with lim-clay or white clay matrix, angular clasts. Patchy moderate silicification. 0.25% FC limonite and hematite. XRF As 708 ppm at 64 m.
		63.9 - 67.5	Patchy Strong Clay	Patchy Moderate Silicification
67.5 - 68.1	Ylim	matx		Zone. Orange. Limonite-clay matrix supported breccia with sub-rounded clasts of weakly silica-sericite altered wall rock. 4% disseminated limonite. XRF As 1309 ppm at 68 m.
		67.5 - 68.1	Pervasive Strong Clay	Replaces Clasts Weak Silicification Replaces Clasts Weak Sericitisation
68.1 - 71.3	FG	lamn		Felsic gneiss with patches of moderate clay alteration in broken up intervals, otherwise weak clay after feldspars. Coarse white mica along foliation. 0.1% FC hematite, 0.1% limonite in fractures and lim-clay replacing feldspars. XRF As 287 ppm at 71 m.
		68.1 - 71.3	Patchy Moderate Clay	Replaces Felsics Weak Clay
71.3 - 71.9	FG			Zone. Moderately silicified felsic gneiss. Moderate sericite and weak clay after feldspars. 1% disseminated hematite, as well as in cross-cutting hematite veinlets.
		71.3 - 71.9	Pervasive Moderate Silicification	Patchy Moderate Sericitisation Replaces Felsics Weak Clay
71.9 - 72.4	YO	bxi		Zone. Clast-supported lim-clay matrix breccia, sub-angular to sub-rounded clasts of weakly sericitized wall rock and quartz vein material. Bottom of unit grades in to less brecciated rocks. 2% limonite in matrix, 0.5% FC hematite.
		71.9 - 72.4	Pervasive Strong Clay	Replaces Clasts Weak Sericitisation
72.4 - 75.4	FG	lamn		Zone. The upper part of the unit (72.4-74.23 m) consists of partly oxidized and hematitic felsic gneiss with weak FC clay and lim-clay replacement of feldspars and local moderate lim-clay veining (0.5% FC hematite, 0.25% limonite). The lower part of the unit (74.23-75.43 m) grades in to a bleached interval with moderate sericite weak patchy silicification, with up to 3% disseminated sooty sulphides and 0.1 FC hematite. XRF As 204 ppm at 74 m and 1246 ppm at 75 m.
		72.4 - 74.2	Patchy Moderate Clay	Fracture Controlled Weak Clay
		74.2 - 75.4	Replaces Felsics Moderate Sericitisation	Patchy Weak Silicification
75.4 - 77.3	FG	lamn		Felsic gneiss with weak clay in fractures and replacing feldspars. Brecciated thin white-clay matrix vein (2 cm wide) at 76.04 m adjacent to a XRF As record of 442 ppm at 76 m. 0.1% FC hematite.
		75.4 - 77.3	Fracture Controlled Weak Clay	

Drill Log: CFD0359

Easting	585332.79	Hole Length	161m	Prospect	Supremo T3	Drill Started	Jun 07, 2014	Comment	Re-drill of CFD0358. 80% 16.5-28.6m
Northing	6977191.08	Azimuth	270°	Target	T3 Far North	Drill Completed	Jun 10, 2014		
Projection	UTM7-NAD83	Dip	-50°	Geologist	Lboyce	Core Size	NQ2		
Survey method	RTK GPS	Elevation	842.89mASL						

Litholoav and Alteration

Interval	Lith	Texture	Deformation	Comments
0.0 - 6.0	OVb			Overburden, partly oidized felsic gneiss and quartz vein material
6.0 - 7.0	FG			Felsic gneiss with weak pervasive clay alteration and 0.5% FC to disseminated hematite
		6.0 - 7.0	Pervasive Weak Clay	
7.0 - 19.5	FG	lamn		Felsic gneiss. Broken up intervals with weak to minor moderate fracture controlled clay alterations at 12.24-14 m and 16.45-19.3 m. Milky quartz vein at 9-9.5 m with clay alteration halo. Quartz augens up to 1 cm. 0.1% FC limonite.
		7.0 - 19.5	Fracture Controlled Weak Clay	
19.5 - 21.0	FG			Zone. Felsic gneiss with weak pervasive clay alteration, moderate clay along fractures and patchy weak silicification. 0.75% disseminated hematite. XRF As 230 ppm at 20 m.
		19.5 - 21.0	Pervasive Weak Clay	Fracture Controlled Moderate Clay Patchy Weak Silicification
21.0 - 27.2	FG	lamn		Felsic gneiss with weak pervasive clay alteration and weak clay after feldspars. Qtz veining with vuggs at 22.4-22.45 m. 0.1% FC hematite.
		21.0 - 27.2	Pervasive Weak Clay	Replaces Felsics Weak Clay
27.2 - 34.6	FG	lamn		Felsic gneiss with weak pervasive clay and local moderate clay along fractures. Patchy moderate silica and sericite alteration. Two low-angle quartz veins (5-10 mm wide, approximately 10 to core axis) with associated hematite veining at 27.2-27.7 m and 28.7-28.9 m. Cross-cutting hematite veinlets throughout unit. 0.25% hematite in fractures and veinlets. 0.1% FC limonite
		27.2 - 34.6	Pervasive Weak Clay	Patchy Moderate Silicification Patchy Moderate Sericitisation
34.6 - 35.2	FG			Zone. Moderately silicified and hematitic felsic gneiss, moderate fracture controlled clay. Frequent cross-cutting hematitic veinlets. 1% disseminated hematite.
		34.6 - 35.2	Pervasive Moderate Silicification	Fracture Controlled Moderate Clay
35.2 - 38.7	YC	bx		Zone. Partly brecciated felsic gneiss with a series of clast supported silicified clast breccia veins. Breccia veins vary from close to LCA to 45 degrees to LCA. The unit is oxidized and hematitic at 35.2-35.8 m, with and intervening mostly unoxidized window. The breccia veins consists of sub-angular moderately silica-sericite-clay altered wall rock clasts in a lim-hm-clay (oxidized intervals to white clay matrix (unoxidized window). Up to 2% disseminated hematite and 1 % disseminated limonite in oxidized intervals. Unoxidized window contains 2% disseminated fine-grained sooty pyrite. XRF As 2030 ppm at 38 m, 1744 at 39 m.
		35.2 - 35.8	Fracture Controlled Strong Clay	Replaces Clasts Moderate Silicification Replaces Clasts Moderate Sericitisation
		35.8 - 38.1	Pervasive Weak Clay	Replaces Clasts Moderate Silicification Replaces Clasts Moderate Sericitisation
		38.1 - 39.0	Fracture Controlled Moderate Clay	Replaces Clasts Moderate Silicification Replaces Clasts Moderate Sericitisation
38.7 - 47.9	FG	lamn		Intermittent zone. Partly oxidized felsic gneiss with weak silica-sericite (top and bottom of unit) and weak clay after feldspars and in fractures. Oxidized intervals contains up to 0.5% FC to disseminated hematite and 0.25% FC limonite. 0.25% fine-grained sooty pyrite at 46.7-48.9 m. Frequent cross-cutting hematite veinlets. XRF As highlights at metermarks: 1744 ppm (39 m) 697 ppm (44 m), 694 ppm (42 m), 684 ppm (46 m).
		39.0 - 40.1	Pervasive Weak Silicification	Pervasive Weak Sericitisation Fracture Controlled Weak Clay
		40.1 - 46.8	Fracture Controlled Weak Clay	Replaces Felsics Weak Clay
		46.8 - 47.9	Patchy Weak Silicification	Replaces Felsics Weak Sericitisation Replaces Felsics Weak Clay

47.9 - 48.5	YO	bx	Zone. Strongly clay altered and broken up interval consisting of partly brecciated felsic gneiss in a matrix-supported clay matrix breccia with weakly silicified angular clasts of wall rock. Intact gneiss pices are hematitic (1% disseminated) and weakly silicified.		
		47.9 - 48.5	Pervasive Strong Clay	Replaces Clasts Weak Silicification	
48.5 - 50.4	Ylim	bxm	Zone. Matrix supported limmonite-clay matrix breccia with strongly silicified sub-angular to sub-rounded 1-10 mm clasts of wall rock and qtz vein material. Strong pervasive clay. 1.5% dissminated limonite and 0.5% disseminated hematite. Bottom contact of unit is at 10 degrees to LCA from 49.7-50.4 m into non-brecciated rocks. XRF As 535 ppm at 49 m and 1851 ppm at 50 m.		
		48.5 - 50.4	Pervasive Strong Clay	Replaces Clasts Strong Silicification	
50.4 - 62.0	FG	lamn	Felsic gneiss. Top of unit shows and alteration halo below overlying zone with pervasive weak clay down to 53.6 m. Otherwise weak clay alteration along fractures and along fractures. Overall 0.25% FC hematite and 0.1% FC limonite. Massive milky quartz vein at 53-53.15 m. Oxidized and hematitic 20 mm euhedral pyrte crystals at 52.3 m, adjacent to a 5 cm wide quartz vein with associated surrounding clay alteration. Rubble zone with core loss at 56-62 m. XRF As 381 at 51 m.		
		50.4 - 53.6	Pervasive Weak Clay		
		53.6 - 62.0	Fracture Controlled Weak Clay	Replaces Felsics Weak Clay	
62.0 - 67.8	FG	lamn	Zone with intermittent mineralization in variably clay and sericite altered felsic gneiss. Unit suffered core loss and is heavily broken up. Patches of strong sericite and 0.75% dissminated limonite at 62-63.2 m. Otherwise 0.25% FC limonite and hematite. Strong clay alteration at 66.4-66.6 m and 67.20-67.8 m. XRF As 328 ppm at 63 m and 174ppm at 67 m.		
		62.0 - 63.2	Replaces Felsics Strong Sericitisation	Pervasive Weak Clay	
		63.2 - 66.4	Replaces Felsics Weak Sericitisation	Fracture Controlled Weak Clay	
		66.4 - 66.6	Pervasive Strong Clay		
		66.6 - 67.2	Pervasive Weak Clay		
		67.2 - 67.8	Pervasive Strong Clay	Replaces Felsics Moderate Sericitisation	
67.8 - 68.4	HU		Zone. Intensely clay altered unrecognizable unit with fragements of silicified wall rock. 0.5% disseminated limonite and 0.25% patchy hematite.		
		67.8 - 68.4	Pervasive Intense Clay		
68.4 - 71.7	FG	lamn	Zone of intermittent mineralization in weakly to strongly sericite altered and weakly clay altered felsic gneiss. Up to 1 % disseminated fine-grained pyrite and 0.25% disseminated limonite in strongly sericitized intervals (68.4-69.5 m and 70.6-71.4 m). 0.25% dFC hematite. XRF As 708 ppm at 69 m and 708 ppm at 71 m.		
		68.4 - 69.5	Replaces Felsics Strong Sericitisation	Fracture Controlled Weak Clay	
		69.5 - 70.6	Replaces Felsics Weak Sericitisation	Fracture Controlled Weak Clay	
		70.6 - 71.4	Replaces Felsics Strong Sericitisation	Fracture Controlled Weak Clay	
		71.4 - 72.6	Replaces Felsics Moderate Sericitisation	Fracture Controlled Weak Clay	
71.7 - 81.7	FG	lamn	Zone, intermittent mineralization 74-81.5 m. Oxidized hematitic and limonitic felsic gneiss with intervals of strong sericite alteration (72.6-74.2 m, patchy 74.2-81.7 m), strong patchy silicification 79-81.7 m. Weak fracture controlled clay throughout unit. Up to 0.5% disseminated limonite and 0.75% disseminated hematite. Frequent cross-cutting hematite and limonite veining. XRF As 911 ppm at 79 m, 608 ppm at 72 m, 800 ppm at 73 m and 401 ppm at 74 m.		
		72.6 - 74.2	Replaces Felsics Strong Sericitisation	Fracture Controlled Weak Clay	
		74.2 - 79.0	Patchy Strong Sericitisation	Fracture Controlled Weak Clay	
		79.0 - 94.9	Patchy Strong Silicification	Patchy Strong Sericitisation	Fracture Controlled Weak Clay
81.7 - 113.2	FG	lamn	Grey-green, partially bleached by patchy moderate to strong silica-sericite and weak clay alteration. Local augens up to 2 cm (110-112 m). Weak and short mineralized intervals at 94.9-95.10 m and 98.95-99.6 m (XRF As 410 ppm at 95 m, 474 ppm at 99 m), associated with weak to moderate lim-clay alteration (0.5% disseminated limonite, bleeding out of fractures). Overall 0.25% hematite in fractures and veins, 0.25% limonite aloing fractures and replacing feldspars.		
		94.9 - 95.1	Pervasive Weak Clay		
		95.1 - 98.9	Patchy Moderate Silicification	Patchy Moderate Sericitisation	Fracture Controlled Weak Clay
		98.9 - 99.6	Fracture Controlled Moderate Clay	Patchy Strong Sericitisation	Strong
		99.6 - 113.2	Patchy Moderate Silicification	Patchy Moderate Sericitisation	Fracture Controlled Weak Clay
113.2 - 116.2	FG	lamn	Zone. Strongly sericite altered felsic gneiss with patchy strong clay. A series of cross-cutting quartz, hematite and clay veins. Up to 0.5% disseminated hematite and 0.5% disseminated limonite. Limonitic clay vein at 114.6 m. XRF As 1757 ppm at 114 m.		
		113.2 - 116.2	Replaces Felsics Strong Sericitisation	Fracture Controlled Strong Clay	

116.2 - 122.5	FG	lamn	Highly altered felsic gneiss. Strong to intense silica sericite bleaching. Weak clay after feldspars. 0.5% patchy limonite, 0.1% hematite in fractures and veinlets.		
		116.2 - 119.7	Patchy Strong Sericitisation	Replaces Felsics Weak Clay	
		119.7 - 122.5	Pervasive Intense Silicification	Pervasive Intense Sericitisation	Replaces Felsics Weak Clay
122.5 - 126.1	FG	Zone with intermittent mineralization in felsic gneiss with strong patchy sericitization and silification and strong fracture controlled clay. More hematitic and limonitic between 122.5-124.3 m, with 0.5% disseminated hematite and limonite. Otherwise 0.25 % fracture controlled lim and hm. XRF As 661 ppm at 123 m, 271 ppm at 124 m and 224 at 126 m.			
		122.5 - 126.1	Patchy Strong Sericitisation	Patchy Moderate Silicification	Fracture Controlled Strong Clay
126.1 - 129.9	FG	lamn	Felsic gneiss. Patchy moderate clay. Brecciated clay vein at 126.9.9-126.95 with floating angular clasts of wall rock in a white clay matrix (matrix supported), approximately 50 degrees to LCA. 0.1% limonite in fractures and replacing feldspars, 0.25% fc hematite.		
		126.1 - 129.9	Patchy Strong Clay	Patchy Weak Sericitisation	
129.9 - 157.1	MxF	lamn	Mixed felsic gneiss with weak patchy sericite, weak clay replacing feldspars and intervals of weak pervasive clay. 0.25% limonite in fractures and replacing feldspars. 0.1% hematite in cross-cutting veinlets.		
		129.9 - 136.0	Replaces Felsics Weak Clay	Patchy Weak Sericitisation	
		136.0 - 141.7	Pervasive Weak Clay		
		141.7 - 150.9	Replaces Felsics Weak Clay	Patchy Weak Sericitisation	
		150.9 - 154.3	Patchy Weak Silicification	Replaces Felsics Weak Clay	Fracture Controlled Weak Clay
		154.3 - 157.1	Pervasive Weak Clay		
157.1 - 158.1	MV	mass	Massive milky quartz vein with 0.1% limonite in fractures nd 0.1% dissuminated brassy pyrite cubes.		
158.1 - 161.0	MxF	lamn	Mixed felsic gneiss. Weak pervasive clay alteration below qtz vein, weak patchy silicification. 0.1% fc limonite and hematite		
		158.1 - 159.4	Pervasive Weak Clay		
		159.4 - 161.0	Patchy Weak Silicification		

Drill Log: CFD0360

Easting	585332.79	Hole Length	161m	Prospect	Supremo T3	Drill Started	Jun 10, 2014	Comment
Northing	6977191.08	Azimuth	270°	Target	T3 Far North	Drill Completed	Jun 12, 2014	
Projection	UTM7-NAD83	Dip	-70°	Geologist	Lboyce	Core Size	NQ2	
Survey method	RTK GPS	Elevation	842.89mASL					

Lithology and Alteration

Interval	Lith	Texture	Deformation	Comments
0.0 - 6.0	OVb			
		0.0 - 6.0	Pervasive Weak Clay	
6.0 - 6.9	FG		Fol-mod	Weak pervasive clay, patchy disseminated lim up to 0.25% , fracture controlled hematite 0.1%
		6.0 - 6.9	Pervasive Weak Clay	Pervasive Weak Silicification
6.9 - 10.2	FG		Fol-mod	Weak pervasive clay, weak silicification, up to 0.5% disseminated limonite and hematite, randomly orientated hematite veinlets throughout
		6.9 - 10.2	Patchy Weak Clay	Patchy Weak Clay
10.2 - 16.7	FG		Fol-mod	Up to 2cm quartz augen, weak patchy clay alteration and sericitization, local pink-purple hematite stain
		10.2 - 16.0	Pervasive Weak Clay	Pervasive Weak Silicification Patchy Moderate Clay
		16.0 - 20.0	Pervasive Moderate Sericitisation	Pervasive Weak Clay Vein Seldge Strong Clay
16.7 - 20.0	FG		Fol-mod	0.25% fracture controlled limonite, 2cm wide patchy moderate clay, weak disseminate clay and silica, coarse white micas,
20.0 - 20.5	FG		Fol-mod	Weak pervasive clay alteration with veins of strong clay alt, patchy moderate sericite, disseminated hematite up to 0.75%, 0.5% disseminated limonite, XRF As of zone 844 ppm, highgrade targeting hematite yeilded >2000ppm As
		20.0 - 20.5	Pervasive Weak Clay	Patchy Strong Clay
20.5 - 24.4	FG		Fol-mod	weak pervasive clay alteration, 0.1% fracture controlled limonite
		20.5 - 24.4	Pervasive Weak Clay	
24.4 - 27.7	FG		Fol-mod	weak disseminated clay, patches of moderate clay, moderate sericite. 0.5% disseminated limonite, 0.1% fracture controlled hematite. Unit contains a rubble interval at 26.1-27.7 m. XRF As 405ppm at 25 m, 459ppm at 26 m.
		24.4 - 27.7	Pervasive Weak Clay	Patchy Moderate Clay Pervasive Moderate Sericitisation
27.7 - 28.6	FG		Fol-mod	Stongly clay altered 8cm wide limonite breccia in upper contact of interval, up to 1cm augen, brick red color, 1.5% disseminated hematite, 0.5% disseminated limonite, moderate pervasive silicification
		27.7 - 28.6	diss Weak Clay	Patchy Moderate Silicification
28.6 - 31.9	FG		Fol-mod	weak disseminated clay, moderate sericite. 0.5% disseminated limonite, 0.1% fracture controlled hematite.
		28.6 - 31.9	Pervasive Weak Clay	pathcy Moderate Clay Pervasive Moderate Sericitisation
31.9 - 35.9	FG		Fol-mod	Moderate pervasive silicification, weak pervasive clay, moderate patchy sericite, disseminated hematite bleeding out of fracture zones up to 1%, rare patches of sooty sulphides, XRF As hits of 219 ppm, 5063 ppm, 262 ppm
		31.9 - 35.9	Pervasive Weak Clay	Patchy Moderate Sericitisation Patchy Moderate Sericitisation
35.9 - 37.6	FG		Fol-mod	Patchy weak clay alteration, patchy weak silicifiaction, fracture controlled hematite up to 0.25%
		35.9 - 37.6	Patchy Weak Clay	Patchy Weak Silicification
37.6 - 40.4	FG		Fol-mod	Bleached, strong pervasive sericite and silicification, weak pervasive clay overprint, 0.1% fracture controlled limonite, 0.1% veinlets of hematite
		37.6 - 40.4	Pervasive Weak Clay	Patchy Moderate Silicification Patchy Moderate Sericitisation
40.4 - 43.3	FG		Fol-mod	Weak clay alteration after feldspars, 0.25% fracture controlled hematite and limonite
		40.4 - 43.3	Replaces Felsics Weak Clay	

43.3 - 44.8	FG	Fol-mod	Weak clay replacing feldspars, moderate patchy silicification, moderate sericite. 0.25% fracture controlled hematite and limonite. Rare up to 2 mm oxidized pyrite cubes.
43.3 - 44.8		Replaces Felsics Weak Clay	Patchy Moderate Silicification Pervasive Moderate Sericitisation
44.8 - 46.2	FG	Fol-wk	Moderate silica-sericite alteration, weak clay replacing feldspars. Intense hematite network veining, 0.5% disseminated.
44.8 - 46.2		Replaces Felsics Weak Clay	Pervasive Moderate Silicification Pervasive Moderate Sericitisation
46.2 - 46.5	HU		Intensely bleached soft unit with strong sericite and moderate pervasive clay. Up to 2 cm oxidized pyrite cubes.
46.2 - 46.5		Pervasive Strong Sericitisation	Pervasive Moderate Clay
46.5 - 50.0	FG	Fol-mod	Moderate silica-sericite alteration, weak clay replacing feldspars. 0.25% fracture controlled limonite and hematite
46.5 - 50.0		Pervasive Moderate Silicification	Pervasive Moderate Sericitisation Replaces Felsics Weak Clay
50.0 - 53.3	FG	Fol-mod	Weak pervasive clay, 0.1% fracture controlled hematite and limonite, rare quartz augen <1cm
50.0 - 53.3		Pervasive Weak Clay	
53.3 - 54.6	FG	Fol-mod	Moderate patchy clay alteration, minor quartz-calcite veins, 0.1% hematite veinlets, 0.1% fracture controlled limonite, weak pervasive sericite alteration
53.3 - 54.6		Pervasive Weak Sericitisation	Patchy Moderate Clay
54.6 - 65.3	FG	Fol-mod	Weak silicification and weak clay alteration. Fracture controlled hematite 0.1%. Quartz veining with hematitic selvage at 59.7 m, clay alteration halo.
54.6 - 65.3		Patchy Moderate Silicification	Patchy Weak Clay
65.3 - 72.2	FG	Fol-mod	Short intervals of strong clay, weak patchy silicification. 0.25% hematite in fractures
65.3 - 72.2		Patchy Weak Silicification	Patchy Strong Clay
72.2 - 72.3	FG	Fol-wk	Old mafic dyke, foliation, sharp contact along foliation. Weak clay alteration
72.2 - 72.3		Weak Clay	
72.3 - 77.0	FG	Fol-wk	Strongly fractured and locally strongly clay altered, 0.5% fracture controlled hematite. Short intervals of limonitic matrix supported breccias (72.34-72.44 m, 73.9-74.1 m, 76.7-76.8 m), with up to 1% disseminated limonite. XRF As 481 ppm at 74 m
72.3 - 77.0		Patchy Strong Clay	
77.0 - 83.9	FG	Fol-mod	Weak patchy clay alteration and silicification. 0.1% fracture controlled hematite. Localized vuggy quartz veins (1 cm)
77.0 - 83.9		Patchy Weak Clay	Patchy Weak Silicification
83.9 - 84.0	FG	Fol-mod	Short interval of mineralized felsic gneiss, strong sericite, moderate silicification, weak clay. 0.5% fracture controlled hematite. XRF As 1122 ppm at 84 m.
83.9 - 84.0		Pervasive Strong Sericitisation	Pervasive Moderate Silicification Pervasive Weak Clay
84.0 - 93.2	FG	Fol-mod	Weak clay after feldspars, localized strong clay (86.9-87.03 m), weak patchy silicification. 0.1% fracture controlled hematite
84.0 - 93.2		Replaces Felsics Weak Clay	Patchy Weak Silicification
93.2 - 95.6	FG	Fol-wk	Weak pervasive clay alteration, patchy moderate silicification, 0.25% fracture controlled limonite, 0.5% disseminated hematite. Veining 10-15 cm wide 90/10 quartz/calcite.
93.2 - 95.6		Pervasive Weak Clay	Patchy Moderate Silicification
95.6 - 100.9	FG	Fol-mod	Weak clay replacing feldspars, weak pervasive silicification, qtz augens up to 1 cm. 0.1% fracture controlled limonite.
95.6 - 100.9		Replaces Felsics Weak Clay	Pervasive Weak Silicification
100.9 - 101.8	FG	Fol-wk	Weak pervasive clay alteration halo surrounding quartz veining, weak sericite. 0.25% disseminated limonite.
100.9 - 101.8		Pervasive Weak Clay	Patchy Weak Sericitisation
101.8 - 108.9	MxF	Fol-mod	Moderate pervasive silicification, weak clay replacing feldspars. Minor quartz-calcite veining. 0.01% fc limonite.
101.8 - 108.9		Pervasive Moderate Silicification	Replaces Felsics Weak Clay
108.9 - 109.4	MV		Massive quartz-carbonate vein, pink. 10 degrees to LCA.
109.4 - 115.4	MxF	Fol-mod	Moderate pervasive silicification, weak clay replacing feldspars. Minor quartz-calcite veining. 0.01% fc limonite.
109.4 - 115.4		Pervasive Moderate Silicification	Replaces Felsics Weak Clay
115.4 - 118.0	MxF	Fol-mod	Patchy weak silicification, weak pervasive clay. 0.25% fc hematite, 0.1% fc limonite. Windows of unoxidized rocks.
115.4 - 118.0		Patchy Weak Silicification	Pervasive Weak Clay
118.0 - 119.7	MxF	Fol-wk	Patchy moderate clay, 0.5% disseminated hematite, 0.1% fc limonite. Qtz veining, 5 cm wide at 118.6-118.65 m.
118.0 - 119.7		Patchy Moderate Clay	

119.7 - 121.5	FG	Fol-wk	Qtz augens up to 0.5 cm. Weak pervasive clay alteration, 0.25% hematite in stringers and veinlets.
119.7 - 121.5		Pervasive Weak Clay	
121.5 - 123.9	FG	Fol-wk	Strong patchy clay alteration, 0.25% fc hematite
121.5 - 123.9		Patchy Strong Clay	
123.9 - 135.3	FG	Fol-mod	Moderate clay after feldspars, patchy weak silicification. 0.25% fc limonite and hematite. Frequent low-angle (15-20 degrees to LCA) limonitic calcite stringers/veinlets. Unit contains a series of low-angle (10-30 degrees to LCA) qtz-carbonate matrix breccia veins, with angular clasts of wall-rock, limonitic selvage along veins and clasts. Hematite vein at 132.05-132.18, 5 degrees to LCA (XRF As 207 ppm).
123.9 - 135.3		Replaces Felsics Moderate Clay	Patchy Weak Silicification
135.3 - 137.8	FG	Fol-mod	Highly strained unit, strong sericite, weak pervasive clay and weak patchy silicification. Hematite in veinlets 0.25%, 0.1% disseminated limonite.
135.3 - 137.8		Pervasive Strong Sericitisation	Pervasive Weak Clay Patchy Weak Silicification
137.8 - 152.7	MxF	Fol-mod	Weak clay after feldspars, weak patchy silicification, 0.1% fc limonite
137.8 - 152.7		Replaces Felsics Weak Clay	Patchy Weak Silicification
152.7 - 153.3	FG	Fol-wk	Intense silicification, weak relict foliation, rare leucoene, 0.1% brassy pyrite cubes (up to 0.5 cm)
152.7 - 153.3		Pervasive Intense Silicification	Patchy Weak Leucoxene
153.3 - 154.7	MxF	Fol-mod	Weak clay after feldspars, weak patchy silicification, 0.1% fc limonite
153.3 - 154.7		Replaces Felsics Weak Clay	Patchy Weak Silicification
154.7 - 155.1	FG	Fol-mod	Short interval of fine grained sooty sulphides (0.5% disseminated), moderate silica-sericite alteration, 0.25% fc limonite. 1 cm qtz vein at 154.9m, with weak clay..
154.7 - 155.1		Pervasive Moderate Sericitisation	Pervasive Moderate Silicification Vein Selvage Weak Clay
155.1 - 161.0	MxF	Fol-mod	Weak clay after feldspars, weak patchy silicification, 0.1% fc limonite. Qtz vein, 15 cm at 160.5 m, weak clay alteration halo
155.1 - 161.0		Replaces Felsics Weak Clay	Pervasive Weak Silicification

Drill Log: CFD0361

Easting	584300.64	Hole Length	179m	Prospect	Macchiato	Drill Started	Jun 13, 2014	Comment
Northing	6976049.82	Azimuth	0°	Target	Macc	Drill Completed	Jun 15, 2014	
Projection	UTM7-NAD83	Dip	-45°	Geologist	PJohansson	Core Size	NQ2	
Survey method	RTK GPS	Elevation	881.67mASL					

Lithology and Alteration

Interval	Lith	Texture	Deformation	Comments
0.0 - 19.0	OVb		Fol-wk	Overburden, mixed felsic gneiss, 0.1% fc limonite
		0.0 - 19.0		Fracture Controlled Weak Clay
19.0 - 27.7	MxF		Fol-wk	Strongly silicified mixed felsic gneiss, silicification overprinting foliation. Weak clay replacing feldspars. 0.1% fc lim and hem
		19.0 - 27.7		Pervasive Strong Silicification Replaces Felsics Weak Clay
27.7 - 34.0	MxF		Fol-mod	Felsic mixed gneiss with moderate patchy silicification, weak chlorite and epidote along foliation in BtS intervals, weak clay in fractures. 0.25% fc lim. Rare up to 10 mm oxidized cubic pyrite.
		27.7 - 34.0		Patchy Moderate Silicification Replaces Mafics Weak Chlorite Patchy Weak Epidote
34.0 - 40.6	FG		Fol-wk	Partly oxidized felsic gneiss, moderate patchy clay and clay replacing feldspars, weak patchy silica-sericite alteration. 0.5% patchy limonite, 0.1% fc hematite
		34.0 - 40.6		Patchy Weak Silicification Patchy Weak Sericitisation Patchy Moderate Clay
40.6 - 68.0	MxF		Fol-mod	Felsic mixed gneiss with moderate patchy silicification, moderate patchy clay alteration and moderate chlorite after mafics. 0.25% fc limonite.
		40.6 - 68.0		Patchy Moderate Silicification Patchy Moderate Clay Replaces Mafics Moderate Chlorite
68.0 - 72.8	MxF			Intensely clay altered, moderate chlorite after mafics, partly unconsolidated. 0.25% diss limonite and hematite
		68.0 - 72.8		Patchy Intense Clay Replaces Felsics Moderate Chlorite
72.8 - 83.1	MxF		Fol-wk	Zone in highly broken up interval of felsic mixed gneiss. Mod patchy clay, mod patchy silica-sericite, up 0.75% patchy limonite, 0.25% fc hematite. XRF As 493 ppm at 83 m.
		72.8 - 83.1		Patchy Moderate Clay Patchy Moderate Silicification Patchy Moderate Sericitisation
83.1 - 89.9	MxF		Fol-wk	Weak clay after feldspars, patchy mod silicification, 0.25% fc lim and hem.
		83.1 - 89.9		Replaces Felsics Weak Clay Patchy Moderate Silicification
89.9 - 92.6	BtS		Crenul	Moderately strained biotite schist unit with minor crenulations in lower portion, mod chlorite after mafics.
		89.9 - 92.6		Replaces Mafics Moderate Chlorite
92.6 - 94.1	MxF		Fol-wk	Moderate clay along fractures, 0.5% fc lim, 0.1% fc hem
		92.6 - 94.1		Fracture Controlled Moderate Clay
94.1 - 112.9	MxF		Fol-mod	Felsic mixed gneiss, weak patchy silicification increasing to moderate in bottom of unit, weak chlorite after mafics. 0.1% fc limonite.
		94.1 - 112.0		Patchy Weak Silicification Replaces Mafics Weak Chlorite
		112.0 - 112.9		Pervasive Moderate Silicification Replaces Mafics Weak Chlorite
112.9 - 113.6	HU			Zone. Strongly clay and silica altered unrecognizable unit, rubble. Upper contact brecciated at 10 degrees to LCA, angular hematitic clasts of in slightly calcitic silicious matrix. 1.5% diss hematite and 1% diss limonite.
		112.9 - 113.6		Pervasive Strong Silicification Pervasive Strong Clay
113.6 - 114.0	YO			Zone. Strongly silica-clay altered HU unit with a brecciated vein (approximately 10 degrees to LCA); clast supported, silica-clay altered sub-angular clasts of HU and quartz vein material in a silicious lim-clay matrix. 2% disseminated limonite, 1% disseminated hematite. XRF As 5202 ppm at 114 m.
		113.6 - 114.0		Replaces Clasts Strong Silicification Pervasive Strong Clay
114.0 - 114.5	HU			Zone. Strongly clay and silica altered unrecognizable unit, possibly very weak relict foliation. 1.5% diss limonite, 1% diss hematite.
		114.0 - 114.5		Pervasive Strong Silicification Pervasive Strong Clay

114.5 - 117.6	FG		Fol-mod	Felsic gneiss with mod silica-sericite alteration and weak clay replacing feldspars. 0.25% fc lim
		114.5 - 117.6	Patchy Moderate Silicification	Patchy Moderate Sericitisation Replaces Felsics Weak Clay
117.6 - 135.7	MxM		Fol-mod	Mafic mixed gneiss, weak pervasive silicification, weak chlorite after mafics. 0.1% fc lim
		117.6 - 135.7	Pervasive Weak Silicification	Replaces Mafics Weak Chlorite
135.7 - 138.2	MxF		Fol-wk	Felsic mixed gneiss, weak perv clay, 0.5% diss lim
		135.7 - 138.2	Pervasive Weak Clay	
138.2 - 138.6	Yx	bxi	Fol-wk	Zone. Diffuse upper contact into crackle brecciated mixed felsic gneiss, weakly rotated and strongly silicified angular wall-rock clasts in a lim-clay matrix. Unit grades into a YO unit at 138.22-138.6 m; clast supprted with angular clasts of clay-lim altered wall-rock and qtz vein material in a lim-clay to white clay matrix. 1% diss limonite, 0.25% diss hematite.
		138.2 - 138.6	Patchy Strong Silicification	Pervasive Strong Clay
138.6 - 140.0	MxF		Fol-mod	Zone. Felsic mixed gneiss, weak pervasive clay, 1% diss limonite, localized weak crackle brecciation. XRF As 1375 at 39 m.
		138.6 - 140.0	Pervasive Weak Clay	Patchy Moderate Silicification
140.0 - 152.2	MxF		Fol-mod	Felsic mixed gneiss, strong patchy silica-sericite, weak clay replacing feldspars. 0.25% fc lim and hem, 0.25% diss sooty pyrite in unoxidized windows.
		140.0 - 152.2	Patchy Strong Silicification	Patchy Strong Sericitisation Replaces Felsics Weak Clay
152.2 - 161.6	FG		Fol-mod	Felsic gneiss, moderate pervasive silicification.
		152.2 - 161.8	Pervasive Moderate Silicification	
161.6 - 162.0	FG		Fol-wk	Short interval of weakly mineralized felsic gneiss. Moderate silica-sericite alteration, weak pervasive clay. Unit is cross-cut by a series of quartz-calcite veins at an average of approximately 25 degrees to LCA. 1% disseminated fine-grained sooty pyrite, 0.25% fc limonite.
		161.8 - 162.0	Pervasive Moderate Silicification	Pervasive Moderate Sericitisation Pervasive Weak Clay
162.0 - 179.0	MxF		Fol-mod	Felsic mixed gneiss. Weak pervasive silicification, weak patchy sericite. 0.1% fc lim and hem. Unit contains frequent calcite-quartz veining in veinlets and stringers from 170-179 m.
		162.0 - 179.0	Pervasive Weak Silicification	Patchy Weak Sericitisation

Drill Log: CFD0362

Easting	586299.69	Hole Length	301m	Prospect	Cappuccino	Drill Started	Jun 15, 2014	Comment
Northing	6975950.15	Azimuth	270°	Target	Cap	Drill Completed	Jun 19, 2014	
Projection	UTM7-NAD83	Dip	-45°	Geologist	PJohansson	Core Size	NQ2	
Survey method	RTK GPS	Elevation	1036.75mASL					

Lithology and Alteration

Interval	Lith	Texture	Deformation	Comments
0.0 - 6.0	OVb		Fol-mod	Overburden, felsic gneiss
		0.0 - 6.0		Fracture Controlled Weak Clay
6.0 - 8.2	FG		Fol-mod	Felsic gneiss, qtz augens up to 1 cm, weak clay along fractures, weak pink to brown hematite staining, 0.1% fvc limonite and hematite.
		6.0 - 8.2		Fracture Controlled Weak Clay
8.2 - 9.7	FG		Fol-wk	Zone. Partly oxidized felsic gneiss with moderate patchy silicification and weak pervasive clay alteration. Brown hematite staining. 0.75% disseminated hematite, 0.5% disseminated limonite. 3cm wide hematitic cubic pyrite in qtz vein at 8.45m XRF As 2258 at 9 m.
		8.2 - 9.7	Patchy Moderate Silicification	Pervasive Weak Clay
9.7 - 32.2	FG		Fol-mod	Felsic gneiss with weak patchy silicification and weak patchy clay (along fractures). Qtz augens up to 1 cm. Localized weakly clay altered and limonitic intervals. 0.1% limonite and hematite in fractures and along qtz stringers and veinlets, cross-cutting foliation.
		9.7 - 32.2	Patchy Weak Silicification	Patchy Weak Clay
32.2 - 37.5	FG		Fol-wk	Zone. Partly oxidized felsic gneiss, localized short intervals of strong clay in veins with associated crackle brecciation and vein breccia (32.32-32.52 m, 34.78-34.88m, 35.57-35.62 m). Strong patchy clay, strong patchy silica-sericite. Orange-red intervals of strong hematite (1% diss, 32.2-35.20 m), otherwise 0.5% disseminated hematite and 0.25 fc limonite. Frequent qtz-lim-hm veining cross-cutting foliation, locally with oxidized cubic pyrite. XRF As 880 ppm at 33 m, 415 ppm at 35 m, 267 ppm at 36 m, 209 ppm at 37 m.
		32.2 - 37.5	Patchy Strong Silicification	Patchy Strong Sericitisation Patchy Strong Clay
37.5 - 45.8	FG		Fol-mod	Felsic gneiss with weak clay-limonite alteration of feldspars, vuggy quartz veins. 0.1% fracture controlled limonite and hematite. Frequent qtz-lim-hem stringers and veinlets cross-cutting foliation.
		37.5 - 45.8		Replaces Felsics Weak Clay
45.8 - 53.2	FG		Fol-mod	Zone. Felsic gneiss with weak clay replacing feldspars as well as localized intervals of strong pervasive clay (patchy), moderate patchy silica-sericite. Intervals of strong hematite staining (0.75% patchy), 0.25% patchy limonite. Unoxidized windows with up to 0.5% disseminated sooty pyrite and fine-grained brassy pyrite (0.5%) along foliation. Localized vuggy texture associated with qtz-lim-hem veining cross-cutting foliation. XRF As highlighted at 1633 ppm at 46 m, 703 ppm at 49 m, and 809 ppm at 53 m.
		45.8 - 53.2	Patchy Moderate Silicification	Patchy Moderate Sericitisation Replaces Felsics Weak Clay
53.2 - 59.7	FG		Fol-mod	Felsic gneiss with moderate patchy silicification, weak patchy sericite, and weak clay replacing feldspars. Localized silica-clay bleaching (57.5-59.3 m). 0.25% fc hematite and limonite.
		53.2 - 59.7	Patchy Moderate Silicification	Patchy Weak Sericitisation Replaces Felsics Weak Clay
59.7 - 63.6	FG		Fol-wk	Felsic gneiss with strong patchy silica-sericite. Pink hematite staining. Qtz stibnite veining at ca. 30 degrees to LCA from 61.2-63.55 m. 0.25% fc limonite, 0.1% hematite in veinlets and fractures.
		59.7 - 63.6	Patchy Strong Silicification	Patchy Strong Sericitisation
63.6 - 67.5	MxF		Fol-wk	Mixed felsic gneiss with strong patchy clay alteration, coarse biotite in schistose intervals with moderate chlorite alteration. 0.25% patchy hematite
		63.6 - 67.5	Patchy Strong Clay	Replaces Mafics Moderate Chlorite

67.5 - 73.3	FG		Fol-mod	Zone. Strongly silica-sericite altered felsic gneiss, weak patchy clay after feldspars. Quartz augens up to 0.5 cm. Unit is partly oxidized (50%) with intervals of strong orange-brown hematite-limonite staining. Frequent qtz-lim-hm and qtz-sulphide stringers and veinlets around 15-30 degrees to LCA. Upper contact is gradational into sil-ser alteration. Unoxidized intervals with up to 1-1.5% disseminated fine-grained brassy pyrite and sooty pyrite along foliation. 1% diss hem and 0.5% diss lim at 69.45-70.60 m, otherwise 0.25% lim and hem along fractures and in veins. XRF As 4600 ppm at 69 m, 4977 ppm at 71 m, 4694 ppm at 72 m. Lower contact is gradational out of alteration.		
		67.5 - 73.3	Pervasive Strong Silicification	Replaces Felsics Strong Sericitisation		
73.3 - 82.2	FG		Fol-mod	Felsic gneiss with quzrtz augens up to 1 cm/. Weak clay alteration along fractures, weak pervasive silicification. 0.1% fc hematite. Chlorite veining at ca. 40 degrees to LCA at 78-80 m.		
		73.3 - 82.2	Pervasive Weak Silicification	Fracture Controlled Weak Clay		
82.2 - 84.0	FG		Fol-wk	Zone. Felsic gneiss with moderate silica-sericite alteration and weak pervasive clay. Strongly bleached around fractured quartz vein at 83.56-83.76 m. 0.75% disseminated hematite and 0.25 fracture controlled limonite. XRF As 1086 at 83 m.		
		82.2 - 84.0	Patchy Moderate Silicification	Patchy Moderate Sericitisation	Pervasive Weak Clay	
84.0 - 96.3	FG		Fol-mod	Felsic gneiss with weakpatchy silicification and weak patches of clay replacing feldspars. Localized pink hematite staining. 0.25% fc hematite and 0.1% fc limonite.		
		84.0 - 96.3	Patchy Weak Silicification	Replaces Felsics Weak Clay		
96.3 - 96.6	MV			Massive quartz vein with sharp upper contact cross-cutting foliation at 20 degrees to LCA. Upper contact is limontic along vein selvedge and contains spiny stibnite crystals. Clay alteration halo around vein.		
96.6 - 99.1	FG		Fol-wk	Felsic gneiss with strong patchy silica-sericite alteration destroying fabric, weak clay along fractures. Frequent qtz-calcite-stibnite-limonite veining from sub-parallel to LCA to a set trending 25-30 degrees to LCA; spiny stibnite crystals up to 1 cm. Unit shows weak rotational fractures at 96.56-96.85 m. 0.25% disseminated limonite, 0.1% hematite in veins and stringers.		
		96.6 - 99.1	Patchy Strong Silicification	Patchy Strong Sericitisation	Fracture Controlled Weak Clay	
99.1 - 101.0	FG		Fol-mod	Felsic gneiss with weak silicification and weak clay along fractures. 0.1% fc hematite. Qtz augens up to 1 cm.		
		99.1 - 101.0	Patchy Weak Silicification	Fracture Controlled Weak Clay		
101.0 - 101.7	FG		Fol-wk	Zone. Felsic gneiss with strong silica-sericite alteration and weak clay in fractures. Unoxidized windows with 1% disseminated fine-grained sooty pyrite along foliation. 0.5% hematite bleeding out of fractures and veins, 0.25% patchy limonite. XRF As 3348 ppm at 101.25 m.		
		101.0 - 101.7	Pervasive Strong Silicification	Patchy Strong Sericitisation	Fracture Controlled Weak Clay	
101.7 - 120.7	FG		Fol-mod	Felsic gneiss with weak patchy silicification and sericite, weak clay after feldspars. 0.25% fc limonite and hematite. Minor qtz-stibnite veining at ca. 25 degrees to LCA. Unit ends in a limonitic interval (120.25-120.65, 0.5% disseminated), with a sharp lower contact cross-cutting foliation into the underlying mafic dyke unit.		
		101.7 - 120.7	Patchy Weak Silicification	Patchy Weak Sericitisation	Replaces Felsics Weak Clay	
120.7 - 121.0	IV		Fol-wk	Mafic dyke with very weak relict foliation. Feldspar porphyroblasts up to 1 mm.		
		120.7 - 121.0	Pervasive Moderate Silicification			
121.0 - 129.3	FG		Fol-mod	Felsic gneiss, weak clay after feldspars, 0.1% fc lim,0.25% fc hematite. Rubble interval, possibly a shear zone at 125.2-125.7 m, strong clay with sandy texture.		
		121.0 - 125.2	Replaces Felsics Weak Clay			
		125.2 - 125.7	Pervasive Strong Clay			
		125.7 - 129.3	Replaces Felsics Weak Clay			
129.3 - 147.1	FG		Fol-mod	Felsic gneiss with weak patchy silicification and localized weak sericite, weak patchy clay. 0.1% fc limonite.		
		129.3 - 147.1	Patchy Weak Silicification	Patchy Weak Sericitisation	Patchy Weak Clay	
147.1 - 150.1	FG		Folded	Zone. Felsic gneiss withstrong silica-sericite alteration and patchy moderate clay. 80% oxidized with unoxidized windows containing up to 1% dissminated fine-grained sooty pyrite along foliation. 1.5% dissminated hematite and 1% dissminated limonite; strong hematite-limonite bleeding out of veinlets at 15-30 degrees to LCA. Unit shows shear structures evident in a flattened relict fabric and rotational planes at 15-20 degrees to LCA at 147.6-149 m. Quartz-calcite-limonite stringers and veinlets at 30-40 degrees to LCA at 149.5-150.1m. XRF As 4600 ppm at 147.3 m, 2629 ppm at 148m, 722 ppm at 149 m.		
		147.1 - 150.1	Pervasive Strong Silicification	Pervasive Strong Sericitisation	Patchy Moderate Clay	
150.1 - 153.7	FG		Fol-mod	Felsic gneiss, weak pervasive silicification, 0.1% fc limonite.		
		150.1 - 153.7	Pervasive Weak Silicification			

153.7 - 156.6	FG	Fol-mod	Zone. Felsic gneiss with strong patchy silica-sericite alteration. Unit start in a partly unoxidized interval (153.6-154.12 m) with 1% disseminated fine-grained brassy pyrite along foliation. Unit is oxidized at 154.1-156.6 m, with 1% dissminated limonite and hematite. Quartz-calcite stringers along foliation. Hematitic quartz vein cross-cutting foliation at ca. 30 degrees to LCA at 154.5m. XRF As 752 ppm at 154 m, 1816 ppm at 155 m, 238 ppm at 156m. Bottom of unit tranistions out of oxidation.		
		153.7 - 156.6	Patchy Moderate Silicification	Patchy Moderate Sericitisation	Pervasive Weak Clay
156.6 - 173.3	MxF	Fol-mod	Felsic mixed gneiss with weak patchy silicification and weakclay after feldspars. 0.25% lim and hem in fractures and qtz-calcite veinlets.		
		156.6 - 173.4	Patchy Weak Silicification	Replaces Felsics Weak Clay	
173.3 - 174.6	MxF	Fol-mod	Weakly mineralized felsic gneiss with weak pervasive clay alteration. 0.75% disseminated limonite, sooty pyrite veining at 174.25 m. XRF As 228 ppm at 174 m.		
		173.4 - 174.6	Pervasive Weak Clay		
174.6 - 187.5	MxF	Fol-mod	Felsic mixed gneiss with weak pervasive silicification and weak fc clay. 0.1% fc limonite.		
		174.6 - 187.5	Patchy Weak Silicification	Fracture Controlled Weak Clay	
187.5 - 196.3	FG	Fol-mod	Felsic gneiss with weak patchy clay after feldspars. Localized strong clay in rubble zone at 187.5-18 8 m. Massive quartz vein at 191.9-192.2 m. Quartz augens up to 1 cm. Lower unit transitions into a silica-clay altered limonitic interval (0.5% disseminated) into a sharp lower contact into the underlying mafic dyke unit. 0.25% fc limonite.		
		187.5 - 188.0	Pervasive Strong Clay		
		188.0 - 196.3	Patchy Weak Clay		
196.3 - 202.5	IV		Mafic dyke with feldspar porphyroblasts up to 1 mm. Increasing cross-cutting calcite veining towards end of unit with associated limonite (0.1%). Strong clay-calcite alteration from 200.7-201.3 m, with short interval of brecciation at 201.05-201.25 m. Moderate chlorite after mafics. Lower unit transitions into a bleached and brecciated underlying unit.		
202.5 - 204.7	SZ	Crenul	Shear zone. Intensely silicified and bleached mafic dyke, strongly calcitic. Intense shear evident in strong crenulations, predating later stage intense quartz-calcite-limonite veining. Quartz-calcite matrix supported breccia with silicified angular clasts of crenulated dyke material in short intervals throughout unit. 0.5% dissminated limonite.		
		202.5 - 204.7	Replaces Mafics Moderate Chlorite	Patchy Strong Clay	
204.7 - 204.9	YC		Clast supported silicified clast breccia with sub-angular clasts of HU in a clay-calcite matrix. 0.25% lim in matrix.		
		204.7 - 204.9	Pervasive Intense Silicification	Pervasive Intense Calcite	
204.9 - 206.8	IV	Crenul	Strongly sheared mafic dyke with intense stockwork qtz-calcite veining. Moderate chlorite after mafics. Localized crackle brecciation associated with later stage qtz-calcite veining; angular IV clasts in qtz-calcite matrix. Rafted strongly clay-lim altered wall-rock at 205.65-205.77 m. 0.1% lim in veins. Sharp brecciated lower contact, sub-parallel to foliation in underlying gneiss unit.		
		204.9 - 206.8	Vein Selvege Strong Calcite	Replaces Mafics Moderate Chlorite	
206.8 - 212.4	MxF	Fol-wk	Strongly silicified felsic gneiss, strong veining of calcite stringers. Weak pervasive clay. 0.5% disseminated limonite, 0.1% fc hematite		
		206.8 - 212.4	Pervasive Strong Silicification	Pervasive Weak Clay	
212.4 - 221.5	MxF	Fol-wk	Mixed felsic gneiss with strong patchy silica-calcite-clay alteration. Minor localized crackle brecciation and brecciated qtz-calcite veins with angular limonitic wallrock clasts. 0.5% fracture controlled limonite, 0.1% hematite in cross-cutting stringers and veinlets		
		212.4 - 221.5	Patchy Strong Silicification	Patchy Strong Clay	Patchy Strong Calcite
221.5 - 230.5	MxF	Fol-wk	Mixed felsic gneiss with moderate patchy silica-clay alteration and weak patchy calcite. 0.25% limonite along fractures, 0.1% hematite in fractures.		
		221.5 - 230.5	Patchy Moderate Silicification	Patchy Moderate Clay	Patchy Weak Calcite
230.5 - 246.8	MxF	Fol-mod	Mixed felsic gneiss with weak patchy silica-clay-calcite alteration, weak chlorite replacing mafics. 0.1% fracture controlled limonite and hematite. Lower unit is broken up from 245-246.79 m with strong clay along fractures.		
		230.5 - 245.0	Patchy Weak Silicification	Patchy Weak Clay	Patchy Weak Calcite
		245.0 - 246.8	Fracture Controlled Strong Clay	Patchy Weak Silicification	Weak Calcite
246.8 - 247.3	IV	Fol-wk	Mafic dyke with sharp upper and lower contacts (15-20 degrees to LCA). Weak chlorite after mafics, strong pervasive calcite. Network of qtz-calcite stringers as well as disseminated calcite. Weak shear fabric at 15-20 degrees to LCA. 0.25% hematite bleeding out of qtz-calcite veining.		
		246.8 - 247.3	Replaces Mafics Weak Chlorite	Pervasive Strong Calcite	
247.3 - 279.6	MxF	Fol-mod	Felsic mixed gneiss with weak clay along fractures, weak chlorite after mafics and localized weak epidote. Upper unit is moderately clay altered below overlying dyke. 0.1% fc limonite. Minor quartz-stibnite veining at 30 degrees to LCA at 276-278 m.		
		247.3 - 248.1	Pervasive Strong Clay		
		248.1 - 279.6	Replaces Mafics Weak Chlorite	Fracture Controlled Weak Clay	Patchy Weak Epidote

279.6 - 283.6	FG	Fol-wk	Zone. Felsic gneiss with weak clay replacing feldspars, weak patchy silica-sericite, 0.5-1% fc to disseminated limonite, 0.25% hematite bleeding out of veins. Minor felsic intrusive unit at 280.95-281.04 m with moderate silica-clay alteration. Sharp upper and lower dyke contacts at 45 degrees to LCA. XRF As spot checks: 939 ppm at 281.04m, 440ppm at 281.75 m, 624 ppm at 282.05 m.		
		279.6 - 280.8	Replaces Felsics Weak Clay	Patchy Weak Silicification	Patchy Weak Sericitisation
		280.8 - 281.1	Pervasive Moderate Clay	Pervasive Moderate Silicification	
		281.1 - 283.6	Pervasive Moderate Clay	Patchy Weak Silicification	Patchy Weak Sericitisation
283.6 - 301.0	MxF	Fol-mod	Mixed felsic gneiss with weak patchy silicification, weak clay along fractures and weak chlorite after mafics. 0.1% limonite along fractures.		
		283.6 - 301.0	Patchy Weak Silicification	Fracture Controlled Weak Clay	Replaces Mafics Weak Chlorite

Drill Log: CFD0363

Easting	586399.88	Hole Length	194m	Prospect	Cappuccino	Drill Started	Jun 19, 2014	Comment
Northing	6975950.56	Azimuth	270°	Target	Cap	Drill Completed	Jun 21, 2014	
Projection	UTM7-NAD83	Dip	-45°	Geologist	EBuitenhuis	Core Size	NQ2	
Survey method	RTK GPS	Elevation	1045.68mASL					

Litholoav and Alteration

Interval	Lith	Texture	Deformation	Comments
0.0 - 1.0	OVB			
		0.0 - 20.2	Pervasive Moderate Silicification	Fracture Controlled Weak Clay
1.0 - 20.3	FG	silc	Fol-mod	Felsic gneiss, begins from surface. Moderate pervasive silicification throughout, locally strong and obliterates foliation. Weak fracture controlled oxidation (limonite) bleeding into rock. Thin limonite-clay veinlets crosscut foliation in some areas. Weak fracture controlled clay in some areas.
		20.2 - 23.5	Pervasive Moderate Sericitisation	Pervasive Moderate Silicification Fracture Controlled Weak Clay
20.3 - 23.5	FG		Fol-str	Oxidized and silicified felsic gneiss. Up to 1% disseminated limonite in orange, but a pronounced dark orange-brown limonite is found bleeding into the host off of fractures. Weak clay replaces feldspars, moderate sericite throughout. Common crosscutting limonite-clay veinlets.
23.5 - 24.5	FG		Fol-mod	Thin zone, 1.5% diss hematite along gneissic foliation, coarse white mica, orange limonite-clay along fractures. Strong patches of silicification within the interval. 4cm white opaque quartz vein is part of a small rubble zone.
		23.5 - 24.5	Patchy Strong Silicification	Pervasive Moderate Sericitisation
24.5 - 72.7	MxF		Fol-mod	Mixed gneiss, 50cm bands of chloritized biotite schist with clay alteration of feldspars. Moderately silicified throughout FG portions, with fine pink hematite commonly disseminated throughout (.25%).
		24.5 - 51.0	Pervasive Moderate Silicification	Pervasive Moderate Sericitisation Replaces Mafics Moderate Chlorite
72.7 - 76.9	FG		Fol-mod	Pervasive weak clay altered felsic gneiss with 0.25% fc limonite and hematite. Rare quartz-stibnite (?) veining (57-62 m)
		72.7 - 76.9	Pervasive Weak Clay	Pervasive Weak Silicification
76.9 - 79.0	FG		Fol-str	Moderately clay altered felsic gneiss, weakly sheared with flattened foliation (ca. 20 to LCA), weak patchy silicification, patches of fc limonite bleeding out of fractures (0.25%), 0.5% disseminated pyrite along foliation. XRF As 499 ppm at 78 m, 281 ppm at 73 m.
79.0 - 82.1	FG		Fol-wk	Strongly silica-sericite altered felsic gneiss with weak white clay crackle brecciation in top of unit (79-79.2m). Up to 1% disseminated fg pyrite, 0.1% limonite in veins and fractures. XRF As 271 ppm at 82 m.
82.1 - 87.5	FG		Fol-mod	Felsic gneiss with weak clay after feldspars and patchy strong silica-sericite. 0.25 fc limonite. XRF As 222 ppm at 83m. Local .5% limonite along foliation.
87.5 - 92.0	MxF		Fol-mod	Weakly silica-clay altered mixed felsic gneiss, weak chlorite after mafics. 0.1% fc limonite, thin limonite-calcite veinlets x-cutting foliation (88.1m)
92.0 - 96.8	MxF		Fol-mod	Moderate sil-ser leading to significant bleaching and destruction of foliation by 95m, weak clay after feldspars. Patches of 0.25% fc limonite and hematite.
		92.0 - 96.8	Patchy Strong Silicification	Patchy Strong Sericitisation
96.8 - 101.4	FG		Fol-mod	Zone. Moderately silica-sericite altered and weak clay along fractures. Patches of strong hematite and limonite up to 2%. Strong lim-hem-sulphide veining at ca. 30 to LCA. XRF As 5705 ppm at 100 m, 1253 ppm at 99 m. Strong dissemination of arsenian py along foliation through most of unit, with red hematitic oxidation eating through host rock and permeating out from fractures. Common fracture set throughout, although sooty veinlets do not follow same orientation?
		96.8 - 101.4	Patchy Strong Dolomite	Pervasive Moderate Silicification Pervasive Moderate Sericitisation
101.4 - 101.9	FC			Strongly clay altered felsic dyke, upper contact ca. 45 to LCA, 0.25% hematite in veins. No orientation lines. Dyke runs approx. 200ppm As.
		101.4 - 101.9	Pervasive Strong Clay	
101.9 - 119.3	FG		Fol-mod	Weakly clay altered felsic gneiss, 0.1% fc limonite. Patch of strong silicification at 109.5-110.2m.
		101.9 - 119.3	Patchy Strong Silicification	Fracture Controlled Weak Clay

119.3 - 137.4	FG	Fol-str	Locally strongly sheared and crackle brecciated felsic gneiss with strong crenulations and rotational planes. Weak silicification. Local strong clay associated with short interval of limonitic breccia vein at 121.3-121.6 m with 1% disseminated limonite (XRF As 218 ppm). Dismembered and rotated massive quartz veins, including from 126-127m where foliation of host rock is abruptly rotated and bent. In same area, pyrite aggregation 4cm wide. 0.25% fc limonite and hematite.		
		119.3 - 137.4	Pervasive Weak Silicification	Pervasive Weak Sericitisation	Patchy Strong Clay
137.4 - 139.7	FG	Fol-str	Zone. Moderately silicified felsic gneiss with coarse mica along foliation. Strong hematite along foliation , up to 1.5% disseminated. XRF As 1089 ppm at 138 m, 1587 ppm at 139 m.		
		137.4 - 139.7	Pervasive Moderate Silicification	Pervasive Strong Sericitisation	Pervasive Strong Dolomite
139.7 - 156.1	FG	Fol-mod	Strong patchy silica-sericite altered, weak to local moderate clay in bleached intervals. 0.25% fracture controlled to local 1% disseminated limonite. Patches of up to 1% disseminated fine-grained pyrite along foliation. Localized weak shear structures. Massive quartz vein at 146.7-147.7 m (XRF As 295 ppm at 147 m). Strong silicification in patches.		
		139.7 - 156.1	Patchy Strong Silicification	Replaces Felsics Moderate Clay	
156.1 - 177.6	MxF	Fol-mod	Mixed felsic dominant gneiss. Patches of bleaching and up to .5% fc limonite with weak clay along some fractures. Mostly fresh. 1cm thick chlorite veins in common orientation from 164.5-168m, accompanied by strong silicification in that patch.		
		156.1 - 177.6	Fracture Controlled Weak Clay	Patchy Moderate Silicification	
177.6 - 194.0	FG	Fol-str	Felsic gneiss, moderate sericite throughout, weak clay altn of feldspars within. Very coarse (1cm) qtz-fs augen from 185.2-185.6m. Minor patches of beige-orange limonite at 185m (weak to no As) and 190-191m (260 ppm), max .5% patches. Common strong flexures in foliation.		
		177.6 - 194.0	Pervasive Weak Sericitisation	Replaces Felsics Weak Clay	

Drill Log: CFD0364

Easting	587121.33	Hole Length	239m	Prospect	French Press	Drill Started	Jun 21, 2014	Comment	First DDH on French Press!
Northing	6975345.12	Azimuth	270°	Target	French Press	Drill Completed			
Projection	UTM7-NAD83	Dip	-45°	Geologist	Ebuitenhuis	Core Size	NQ2		
Survey method	RTK GPS	Elevation	1083.4mASL						

Litholoav and Alteration

Interval	Lith	Texture	Deformation	Comments
0.0 - 2.0	OVb			
		0.0 - 13.8	Fracture Controlled Weak Clay	Pervasive Weak Silicification
2.0 - 13.8	FG	Fol-mod	Weak fracture controlled clay alteration and weak silicification of felsic gneiss. Dull orange-grey-brown colouration, .25-.5% fc limonite.	
13.8 - 17.0	FG	Fol-wk	Heavily fractured and broken FG, 1% fracture controlled limonite, moderate clay on fractures. Rare clay-rich fractures running nearly parallel to core axis.	
		13.8 - 17.0	Fracture Controlled Moderate Clay	Patchy Weak Silicification
17.0 - 19.9	FG	Fol-wk	Rubble, moderate pervasive clay, thin clay matrix breccia. .5% disseminated limonite throughout. Dull, brown-orange colouration.	
		17.0 - 19.9	Fracture Controlled Moderate Clay	
19.9 - 30.4	FG	Fol-mod	Sericitized and weakly silicified schist and gneiss. .25% fc limonite throughout, local moderate fc clay.	
		19.9 - 30.4	Pervasive Moderate Sericitisation	Patchy Moderate Silicification Fracture Controlled Moderate Clay
30.4 - 32.2	Ylim	Fol-mod	Thin Ylim breccias with moderate limonite-clay matrix and moderate sericite throughout. Breccia/fracture cuts approx. 40 degrees TCA, large angular clasts.	
		30.4 - 32.2	Fracture Controlled Moderate Clay	Pervasive Moderate Sericitisation
32.2 - 42.0	MxF	Fol-mod	Weakly bleached in areas, with patches of .25% diss limonite, weak white clay alteration, weak sericitization.	
		32.2 - 42.0	Patchy Weak Clay	Patchy Weak Sericitisation
42.0 - 59.7	MxF	Fol-mod	Mixed felsic dominant gneiss, patchy moderate silicification and sericitization throughout, weak fc clay, .25% fc limonite.	
		42.0 - 59.7	Patchy Moderate Silicification	Patchy Moderate Sericitisation Fracture Controlled Weak Clay
59.7 - 85.8	MxF	Fol-mod	Moderately silicified, common x-cutting chlorite veinlets and a set of .5cm wide cal-qtz-pyrite (with Mn?) veins. Very coarse fs augen in areas (up to 2cm). Local thin fracture zones with up to .5% fc limonite.	
		59.7 - 85.8	Pervasive Moderate Silicification	Fracture Controlled Weak Clay Patchy Moderate Sericitisation
85.8 - 86.1	FG	Fol-mod	Very thin zone, 1% diss sooty sulphide, strong limonite-hematite along vein/fracture plane. Strong silica sericite.	
		85.8 - 86.1	Pervasive Strong Sericitisation	Pervasive Strong Silicification
86.1 - 105.0	MxF	Fol-mod	Moderately silicified, common x-cutting chlorite veinlets and a set of .5cm wide cal-qtz-pyrite (with Mn?) veins. Very coarse fs augen in areas (up to 2cm). Local thin fracture zones with up to .5% fc limonite.	
		86.1 - 105.0	Pervasive Moderate Silicification	Fracture Controlled Weak Clay Patchy Moderate Sericitisation
105.0 - 120.6	MxF	Fol-mod	Mixed gneiss, patches of moderate clay alteration of feldspar and associated .5% disseminated liimonite. Thin zone (30cm) at 112m with .75% diss hematite at that point, centred on a fracture plane. Coarse augen in areas.	
		105.0 - 120.6	Pervasive Moderate Silicification	Replaces Felsics Moderate Clay Patchy Moderate Sericitisation
120.6 - 127.1	MxF	Fol-mod	Increased alteration of previous unit, moderate to strong patchy sericitization and silicification, patches of .75% diss limonite. Common crosscutting lim-calcite veins, moderate white clat altn of feldspar.	
		120.6 - 127.1	Patchy Moderate Silicification	Patchy Strong Sericitisation Replaces Felsics Moderate Clay

127.1 - 127.7	YC			Strongly silicified breccia. Upper and lower contacts well preserved as bx corridors, central portion is intensely silicified, sericitized. Matrix supported, with multiple phases of brecciation. 2cm corridor of coarse white calcite is oxidized and brecciates the host, with moderately rounded clasts suspended in the calcite matrix. A corridor from 127.5-127.7m contains super fine grained chalcedonic silica, brecciating the host and infilling in bands. Fine sooty sulphide is visible along the vein margins. Unoxidized clasts are intensely sericitized.
		127.1 - 127.7	Pervasive Intense Sericitisation	Pervasive Intense Silicification
		127.7 - 129.4	Pervasive Strong Silicification	Pervasive Strong Sericitisation
127.7 - 129.4	FG	augn	Fol-mod	Strongly silicified and sericitized gneiss, coarse fs augen, and 1% disseminated super-fine arsenian pyrite. Common crosscutting lim-calcite veins in areas of oxidation. .5% orange red hematite.
129.4 - 132.7	FG	silc	Fol-mod	Strong silicification, sericitization of gneiss, coarse augen, some fractures moderately clay altered. Foliation becomes strongly disrupted approaching lower contact with zone.
		129.4 - 132.7	Pervasive Strong Silicification	Pervasive Strong Sericitisation
132.7 - 135.3	Ylim			Zone, strong clay alteration leading to disaggregation of host. Upper contact is distinct, and cleanly cuts the gneissic foliation. Where no orientation lines, bx cuts core axis at 45 degrees. 2% diss limonite, 2% diss hematite.
		132.7 - 135.3	Pervasive Strong Clay	Replaces Clasts Moderate Sericitisation
135.3 - 136.8	FG	silc	Fol-mod	Oxidation fades from previous unit, leading into intensely sericitized and silicified gneiss. Foliation obliterated up to 20cm away from contact with dyke below.
		135.3 - 136.8	Pervasive Intense Silicification	Pervasive Intense Sericitisation
136.8 - 137.5	IV	fgrn	Fol-wk	Fine grained mafic dyke, non magnetic, cut by thin calcite veinlets and pervasive calcite alteration. Lower 40cm becomes oxidized and exhibits a weak foliation towards contact.
		136.8 - 137.5	Pervasive Moderate Calcite	
137.5 - 139.4	FG		Fol-mod	Gneiss below dyke. Pervasive Fe-carb alteration, low-angle qtz veins cutting foliation, moderate pervasive clay, moderate silicification.
		137.5 - 139.4	Pervasive Strong Fe-carb	Pervasive Moderate Silicification
139.4 - 145.6	FG		Fol-mod	FG, coarse augen, moderate white clay alteration of feldspars, moderate pervasive sericite, silicification. X-cutting calcite-limonite veinlets increasing in frequency to lower portion of unit.
		139.4 - 145.6	Pervasive Moderate Sericitisation	Pervasive Moderate Silicification Replaces Felsics Moderate Clay
145.6 - 147.8	FG		Fol-mod	Interval of strong Fe-carb alteration, minor Ycarb brecciation at 45 degrees TCA, weak clay replacing feldspars.
		145.6 - 147.8	Pervasive Strong Fe-carb	Replaces Felsics Weak Clay
147.8 - 148.4	FG		Fol-mod	Mod to strong white clay alteration of coarse feldspar augen in unoxidized gneiss. No calcite/Fe-carb component.
		147.8 - 148.4	Pervasive Moderate Sericitisation	Replaces Felsics Strong Clay
148.4 - 153.4	Ycarb			Strong pervasive Fe-carb alteration and brecciation (orange herring). Moderate pervasive clay alteration throughout.
		148.4 - 153.4	Pervasive Strong Fe-carb	Pervasive Moderate Clay
153.4 - 156.4	FG		Fol-mod	Zone. Fe-carbonate alteration dies out and is replaced by moderate silicification throughout, moderate clay along fractures. .75% diss hematite, .75% diss limonite. Lower contact is where pervasive Fe-carbonate begins again.
		153.4 - 156.4	Pervasive Moderate Silicification	Fracture Controlled Moderate Clay
156.4 - 162.7	MxF		Fol-mod	Strong patches of sericite and silica alteration with patches of str Fe-carb alteration and oxidation. Weak fc clay alteration. Interval appears promising, but Fe-carb instead of proper limonite/hematite.
		156.4 - 162.7	Patchy Strong Silicification	Patchy Strong Sericitisation Patchy Moderate Clay
162.7 - 175.8	MxF		Fol-mod	Mixed gneiss, patches of moderate silica, sericite, up to .5% diss limonite in patches. Weak clay alteration of feldspars. From 174.3-end of unit, alteration increases to strong silica-sericite near contact with mafic.
		162.7 - 175.8	Patchy Strong Silicification	Patchy Strong Sericitisation Replaces Felsics Weak Clay
175.8 - 188.2	IV	cgrn		Coarse grained mafic intrusive. Strong calcite component, laths of hornblende, odd pink quartz lozenges. Raft of wall rock at upper contact (40cm). Contact is heavily sheared, veined, fine grained, but grades into the coarse mafic.
		175.8 - 188.2	Fracture Controlled Moderate Clay	Pervasive Moderate Calcite Replaces Mafics Weak Chlorite
188.2 - 189.4	HU			intensely altered rock, sericitized, silicified, and strongly clay altered, potentially a raft of gneiss/wall rock caught up in fault/shear/dyke contact?
		188.2 - 189.4	Pervasive Intense Sericitisation	Pervasive Intense Silicification

189.4 - 190.4	IV	Fol-str	Strongly sheared portion of dyke, strong clay alteration and .5% fc limonite at 190m, lower contact is strong clay and rubble.
		189.4 - 190.4	Pervasive Strong Clay
190.4 - 198.6	FG	Fol-mod	Orange-brown felsic gneiss, moderate silicification, weak to mod fc clay, .5% patches of diss limonite. Mod white clay after feldspars
		190.4 - 198.6	Replaces Felsics Moderate Clay Pervasive Moderate Silicification Fracture Controlled Weak Clay
198.6 - 200.6	FG	Fol-mod	Thin zone, .75% fc limonite and moderate fc clay alteration of silicified gneiss, moderate sericite.
		198.6 - 200.6	Fracture Controlled Moderate Clay Pervasive Moderate Sericitisation
200.6 - 204.8	FG	Fol-mod	Moderate silicified, orange-brown felsic gneiss. .5% fc limonite.
		200.6 - 204.8	Pervasive Moderate Silicification Pervasive Moderate Sericitisation
204.8 - 205.8	FG	Fol-mod	Thin zone, strong fc clay and 1% fc hematite, .5% fc limonite. Moderate silica-sericite alteration of gneiss.
		204.8 - 205.8	Pervasive Moderate Silicification Pervasive Moderate Sericitisation Fracture Controlled Strong Clay
205.8 - 212.3	FG	Fol-mod	Mod white clay alteration of feldspar in felsic gneiss. Weak to moderate silicification and sericitization, patch of weak Fe-carb oxidation beginning at 210.8m. Common x-cutting calcite veinlets with lim, hem once in Fe-carb area.
		205.8 - 212.3	Pervasive Weak Silicification Pervasive Weak Sericitisation Patchy Moderate Fe-carb
212.3 - 224.1	MxF	Fol-mod	Strong patch silicification of hard gneiss, patches of green sericite alteration, many fine, x-cutting, non-min pyrite veinlets. Common calcite veining. Patches of moderate white clay alteration of feldspars
		212.3 - 224.1	Patchy Strong Silicification Patchy Strong Sericitisation Replaces Felsics Moderate Clay
224.1 - 230.0	MxF	Fol-mod	Moderate patchy silicification, plentiful veining. Patch of strong silica, sericite, and intense sulphide veining in association with coarse pyrite, almost yellow. Py runs along foliation and also in patches. Common thin calcite veining, thicker calcite-qtz sulphide. No kicks for As.
		224.1 - 230.0	Patchy Strong Silicification Patchy Moderate Sericitisation
230.0 - 239.0	MxF	silc	Strongly silicified mixed gneiss. Patches of strong epidote within mafic slips, common x-cutting pyrite veins and veinlets (non-min). Coarse brassy py, moderate sericite.
		230.0 - 239.0	Pervasive Strong Silicification Patchy Moderate Sericitisation Patchy Strong Epidote

Drill Log: CFD0365

Easting	586009.82	Hole Length	212m	Prospect	Cappuccino	Drill Started	Jun 24, 2014	Comment
Northing	6976397.71	Azimuth	180°	Target	Cap West	Drill Completed	Jun 26, 2014	
Projection	UTM7-NAD83	Dip	-45°	Geologist	Ebuitenhuis	Core Size	NQ2	
Survey method	RTK GPS	Elevation	808.61mASL					

Litholoav and Alteration

Interval	Lith	Texture	Deformation	Comments
0.0 - 4.0	OVb			
4.0 - 18.2	FG			Felsic gneiss, patches of moderate silicification along foliation, common thick white qtz veins cutting foliation. Weak sericite in patches.
		4.0 - 18.2	Patchy Strong Silicification	Patchy Weak Sericitisation
18.2 - 19.4	MxF		Fol-mod	Patch of moderate pervasive yellow clay alteration, with thin (20cm) patches of .75% disseminated limonite. First limonite patch on uphole contact with white opaque qtz vein. Pale green tinge to core at this point. 600ppm As at 18.3m.
		18.2 - 19.4	Pervasive Moderate Clay	Patchy Weak Silicification
19.4 - 23.5	FG		Fol-mod	Pink felsic gneiss, some coarse qtz augen. Common fine calcite along foliation. Upper contact is gradational with decreasing alteration. Lower contact abrupt at opaque white qtz vein.
		19.4 - 23.5	Pervasive Weak Calcite	Pervasive Weak Silicification
23.5 - 26.2	FG		Fol-wk	Strong yellow clay and sericite alteration of gneissic protolith. Strong clay is concentrated along fractures, breaking down the unit, common fracture corridors throughout cutting at low angle (20 degrees) to core axis. No carbonate component.
		23.5 - 26.2	Pervasive Strong Clay	Pervasive Strong Sericitisation
26.2 - 28.4	YO			Mature rock-flour clay breccia, moderately rounded small (.5cm) clasts in most well developed channels. Some white, coarse grained calcite veins crosscut breccia fabric at 28.2m, before the carbonate brecciation below. Clasts throughout have a yellow-beige colouration, do not run As.
		26.2 - 28.4	Pervasive Strong Clay	
28.4 - 29.5	Ycarb			Second brecciation event of previous unit. Coarse white calcite brecciates gneissic host, as well as yellow clay-rock flour breccia from previous unit. .75% limonite and .25% hematite from 29.27-29.4m at bottom of breccia. Clasts of calcite bx are large, angular. Strongly oxidized patch runs ~900ppm As, strong clay alteration for 13cm.
		28.4 - 29.5	Pervasive Strong Calcite	Pervasive Moderate Clay
29.5 - 47.8	MxF		Fol-mod	Moderate green-grey clay alteration of gneiss along fractures (strong) common coarse qtz-fs augen, .25% fc limonite.
		29.5 - 47.8	Pervasive Weak Sericitisation	Fracture Controlled Strong Clay
47.8 - 59.1	MxF		Fol-mod	Mixed gneiss, patches of moderate to strong white clay alteration and epidote alteration, common breakdown at fracture planes. Common 10cm white qtz veins with fractures infilled by non-min pyrite, oxidizing red. 1cm red calcite/ankerite-py vein at 50.8m, cuts foliation, fully effervesces. Thin calcite-galena vein, cut and offset by fine chalcedonic qtz vein at 48.1m.
		47.8 - 59.1	Patchy Moderate Clay	Patchy Weak Sericitisation Patchy Moderate Epidote
59.1 - 75.7	MxF		Fol-mod	Weak to mod sericite in patches, common thick (10cm) white qtz veins with coarse py along some fractures, weak patchy oxidation.
		59.1 - 75.7	Patchy Weak Sericitisation	Fracture Controlled Weak Clay
75.7 - 76.3	FG		Fol-mod	Strongly oxidized (no As) and clay altered fracture zone. Unconsolidated, 1.5% limonite.
		75.7 - 76.3	Pervasive Strong Clay	
76.3 - 100.6	FG			Patchy grey-green clay alteration and sericitization of gneiss. Common white cal-qtz veins xcutting with grey-silver sulphide (Mn, Fe).
		76.3 - 100.6	Fracture Controlled Moderate Clay	Patchy Moderate Sericitisation Patchy Weak Silicification
100.6 - 115.3	MxF		Fol-mod	Mixed gneiss, moderate patches of white-green clay alteration of feldspars, patchy moderate sericite alteration. Weak silica in some patches.
		100.6 - 115.3	Replaces Felsics Moderate Clay	Patchy Moderate Sericitisation Patchy Weak Silicification
115.3 - 118.1	FG		Fol-mod	Strong sericite-silica-dolomite alteration of gneiss. 20cm grey chalcedonic quartz-matrix breccia from 115.8-116m. Also large quartz vein flanking the chalcedonic bx.
		115.3 - 118.1	Pervasive Strong Silicification	Pervasive Strong Sericitisation

118.1 - 133.3	MxF	Fol-mod	Patches of moderate silica-sericite alteration through mixed gneiss. Common calcite and quartz veining. Lower 2m becomes stronger sericite altn, well developed alteration veins. Rare weak yellow limonite along some weak clay fractures.		
		118.1 - 133.3	Patchy Moderate Silicification	Patchy Moderate Sericitisation	
133.3 - 133.9	FG	Fol-mod	Thin zone of 2.5% disseminated sooty pyrite, polyphase quartz veining (grey chalcedonic with coarse grey-white infill ?). Spidery grey calcite cutting parallel to core axis, late.		
		133.3 - 133.9	Pervasive Strong Sericitisation	Pervasive Strong Silicification	
133.9 - 141.9	FG	Fol-mod	Fresh felsic gneiss, weak caly along low-angle TCA fractures (grey), weak sericite alteration.		
		133.9 - 141.9	Patchy Weak Sericitisation	Patchy Weak Silicification	Fracture Controlled Weak Clay
141.9 - 146.7	MxF	Fol-mod	Patches of strong sericite-silica-dolomite alteraton through gneiss. 10cm of intense foliation disruption and 1% sooy pyrite veinlets at 143.2-143.3m. Lower contact gradational with next unit; strong alteration begins.		
		141.9 - 146.7	Patchy Strong Sericitisation	Patchy Strong Silicification	Strong
146.7 - 147.3	HU	Fol-mod	Intense sericite-calcite alteration. Pervasive effervescent calcite with coarse grey sulphide mineral, magnetic, cubic (?). Leads to 3cm diameter patch of pure galena, arsenopyrite (?). Runs high Pb, As. Strong arsenain pyrite begins at lower unit.		
		146.7 - 147.3	Pervasive Strong Calcite	Pervasive Strong Sericitisation	
147.3 - 151.3	FG	Fol-mod	Zone: strong disseminated arsenian pyrite, begins with 3% and graes to strong alteration and 1.5% disseminated at end of unit. Initial 2.5m are strong sulphide. Strong dolomite, silica, calcite sericite throughout.		
		147.3 - 151.3	Pervasive Strong Calcite	Pervasive Strong Sericitisation	Strong
151.3 - 160.2	FG	Fol-mod	Halo/shoulder of moderate white clay, strong sericite, and weak silica alteration of gneiss. Coarse brassy py in some quartz veins cutting foliation. Patches of up to .5% disseminated sooty py.		
		151.3 - 160.2	Pervasive Moderate Clay	Pervasive Moderate Sericitisation	Pervasive Moderate Silicification
160.2 - 161.1	FG	Fol-wk	Thin zone, strong dolomite-sericite alteration, up to 1.5% disseminated sooty sulphide, well defined clay-sooty vein/corridor at 160.9m.		
		160.2 - 161.1	Pervasive Strong Sericitisation	Strong	
161.1 - 175.3	MxF	Fol-mod	Mixed gneiss, patchy remnants of moderate sericite-dolomite alteration, weak to moderate clay along some fractures.		
		161.1 - 175.3	Patchy Moderate Sericitisation	Patchy Moderate	
175.3 - 212.0	MxF	Fol-mod	Patchy weak to mod sericite, large qtz-fs augen. Common thick (50cm) white opaque quartz veins, some with white-pink colouration and coarse aggregats of brassy yellow pyrite (3cm). common xcutting calcite veinlets		
		175.3 - 212.0	Patchy Weak Sericitisation	Patchy Weak Silicification	Fracture Controlled Weak Clay

Drill Log: CFD0366

Easting	587063.48	Hole Length	200m	Prospect	French Press	Drill Started	Jun 26, 2014	Comment
Northing	6975650.12	Azimuth	90°	Target	French Press	Drill Completed	Jun 28, 2014	
Projection	UTM7-NAD83	Dip	-45°	Geologist	EBuitenhuis	Core Size	NQ2	
Survey method	RTK GPS	Elevation	1023.03mASL					

Lithology and Alteration

Interval	Lith	Texture	Deformation	Comments
0.0 - 2.0	OVb			
2.0 - 22.8	MxF		Fol-mod	Weak patches of .25% limonitic oxidation through schist/gneiss. Moderate pervasive clay altn' of feldspars.
		2.0 - 22.8	Pervasive Moderate Clay	Patchy Weak Sericitisation
22.8 - 25.3	FG		Fol-mod	Thin zone; .75% disseminated hematite, moderate clay along fractures and moderate sericite. No orientation, but steeply NE trending, W dipping structure.
		22.8 - 25.3	Fracture Controlled Moderate Clay	Pervasive Moderate Sericitisation
25.3 - 51.5	MxF		Fol-mod	Mixed gneiss, common intervals of coarse white mica in a muscovite schist. Moderate fracture controlled clay and replacement of feldspar porphyroblasts, weak patchy .5% limonite, non-mineralized.
		25.3 - 51.5	Fracture Controlled Moderate Clay	Patchy Weak Sericitisation
51.5 - 77.5	MxF		Fol-mod	Moderate clay replacement of feldspars through mixed felsic gneiss and schist. Some patches with coarse queng, some patches more mafic in appearance. .25% limonite in patches, with local enrichment of oxidation. Thick qtz-feldspar vein at 75.25-75.5m, weak patchy sericite.
		51.5 - 77.5	Replaces Felsics Moderate Clay	Patchy Weak Sericitisation
77.5 - 89.4	FG		Fol-mod	Felsic gneiss, weak patchy epidote, clay alteration. Local thin sericite alteration zones. .25% fc limonite.
		77.5 - 89.4	Fracture Controlled Weak Clay	Patchy Weak Sericitisation
89.4 - 94.2	FG		Fol-mod	Halo to zone, increased oxidation to .75% disseminated buff-coloured limonite (brownish) through gneiss. Weak silicification in some patches,
		89.4 - 94.2	Patchy Weak Silicification	Patchy Weak Clay
94.2 - 98.6	FG		Fol-mod	Zone; strong disseminated sooty sulphide through felsic gneiss, strong dolomitization and sericitization. 2.5% disseminated sooty sulphide, some fractures oxidized brick-red hematite.
		94.2 - 98.6	Pervasive Moderate Sericitisation	
98.6 - 112.9	MxF		Fol-mod	Halo to zone, zone was cut off where sooty py faded and was replaced by strong Fe-carbonate alteration. Pervasive throughout. Patch of strong silica-sericite-dolomite from 110.9-112m, but no associated sulphide. X-cutting late white calcite veinlets, non-min.
		98.6 - 112.9	Pervasive Strong Fe-carb	Patchy Strong Sericitisation Patchy Strong Silicification
112.9 - 125.3	MxF		Fol-mod	Weak patchy oxidation and thin alteration off white qtz-calcite veinlets in some areas. Moderate patches of yellow-white clay alteration.
		112.9 - 125.3	Patchy Moderate Clay	Patchy Weak Silicification Patchy Weak Sericitisation
125.3 - 131.2	MxF		Fol-mod	Patches of moderate white clay after feldspars through felsic gneiss, weak pervasive oxidation with minor unoxidized, sericitized windows (blue-grey colouration).
		125.3 - 131.2	Patchy Moderate Sericitisation	Replaces Felsics Moderate Clay
131.2 - 135.1	FG		Fol-mod	Patchy strong silica-sericite-dolomite alteration of gneiss, up to 3300ppm spot As due to 1.5% patchy sooty sulphide. Majority of zone is strongly dolomitized, with minor sooty sulphide.
		131.2 - 134.1	Patchy Strong Sericitisation	
		134.1 - 138.8	Pervasive Weak Sericitisation	Fracture Controlled Weak Clay
135.1 - 138.8	FG		Fol-mod	Unit begins with strong pervasive Fe-carbonate alteration, grades into weak sericite and .25% fc limonite.
138.8 - 139.8	FG		Fol-mod	Thin zone, Ylim brecciation at lower margin while majority of unit consists of 2% diss hematite. Weak fc clay alteration.
		138.8 - 139.8	Fracture Controlled Weak Clay	Pervasive Weak Sericitisation

139.8 - 143.1	FG	Fol-mod	Weakly oxidized and moderately sericitized and bleached gneiss. 6cm pervasive Fe-carbonat breccia or vein (?) cutting fabric at 142.2m. 4cm thick clay-matrix Ylim at 143.04m, mineralized, however very thin.	
139.8 - 143.1		Pervasive Moderate Sericitisation	Fracture Controlled Moderate Clay	Patchy Strong Fe-carb
143.1 - 157.2	MxF	Fol-mod	Mixed gneiss, patchy weak oxidation (.5% limonite) and strong Fe-carbonate alteration at bottom of unit. Minor fe-carb brecciation at point of old qtz vein. Weak fclay after feldspars.	
143.1 - 157.2		Patchy Strong Fe-carb	Pervasive Moderate Sericitisation	Replaces Felsics Weak Clay
157.2 - 159.2	FG	Fol-mod	Thin zone. Strong disseminated hematite concentrated at the metre marks (158, 159) with a weaker portion in the middle. 2% patchy hematite after sooty sulphide. Disseminated, foliation parallel mineralization, with .75% fc limonite and moderate clay in association.	
157.2 - 159.2		Fracture Controlled Moderate Clay	Pervasive Moderate Sericitisation	
159.2 - 165.1	MxF	Fol-mod	Weak sericite, clay on fractures, weak oxidation (.25% diss limonite) which fades out towards dyke contact. Common chloritized biotite at bottom of unit.	
159.2 - 165.1		Fracture Controlled Weak Clay	Replaces Mafics Weak Chlorite	Pervasive Weak Sericitisation
165.1 - 165.2	IV	fgrn	Fine grained IV, weakly foliated at margins, well defined upper and lower contacts, moderate pervasive clay alteration.	
165.1 - 165.2		Pervasive Moderate Clay		
165.2 - 170.0	MxF	Fol-mod	Weak clay alteration along fractures, weak chlorite after biotite.	
165.2 - 170.0		Replaces Mafics Weak Chlorite	Fracture Controlled Weak Clay	
170.0 - 171.3	IV	fgrn	Strongly foliated, fine grained, green mafic dyke. Upper contact no orientation possible, appears like dyke has taken on significant shear stress. Lower 50cm is strongly altered to a grey-green colour (sericite) and contains moderate Fe-carbonate alteration.	
170.0 - 171.3		Pervasive Moderate Clay	Patchy Strong Sericitisation	Patchy Moderate Fe-carb
171.3 - 200.0	MxF	Fol-mod	Mixed gneiss, thin patches of weak clay alteration though gneiss with associated .25% weak limonitic oxidation. Minor pale white-blue calcite veins crosscutting foliation. From 185-186, set of en-echelon qtz-cal-py veins accomodating old strain in the host gneiss, non-min. Weak sericite in some areas.	
171.3 - 200.0		Patchy Weak Sericitisation	Patchy Weak Clay	

Drill Log: CFD0367

Easting	586461.4	Hole Length	113m	Prospect	French Press	Drill Started	Jun 28, 2014	Comment	Biscotti.
Northing	6975380.9	Azimuth	0°	Target	Cam's Vein	Drill Completed	Jun 29, 2014		
Projection	UTM7-NAD83	Dip	-45°	Geologist	EBuitenhuis	Core Size	NQ2		
Survey method	RTK GPS	Elevation	1096.16mASL						

Litholoav and Alteration

Interval	Lith	Texture	Deformation	Comments
0.0 - 3.0	OVB			
3.0 - 22.5	MxF		Fol-mod	Mixed felsic gneiss, mostly fresh from surface to ~17m, then weak pervasive clay alteration, .25% patchy limonite, weak patches of silicification.
		3.0 - 22.5	Patchy Weak Clay	Patchy Weak Silicification
22.5 - 23.0	YC	silc		Intense silicification of host, multiple orientations of pale translucent white quartz veins, breccia contains variations from small, rounded pebble-like clasts of host rock to larger (2cm) angular clasts of gneissic host. Crosscutting translucent quartz (same phase as breccia matrix) contains very small (1mm or less) aggregates of malachite and azurite. .1% Cu oxides throughout the veining. Spot XRF of vein with oxide minerals also returns Ag Au Cu Pb and As results. Vein contains white-silver coloured sulphide at 22.4m (XRF results).
		22.5 - 25.1	Pervasive Intense Silicification	
23.0 - 24.1	YC	silc		Short interval of stongly silicified YC, with small, rounded clasts of intensely silicified wall rock exhibiting very minor relict foliation, and minor clasts of actual quartz vein. Breccia is cut by translucent white quartz veins in planar orientations, as well as anastomosing veins.
24.1 - 25.1	MV	silc		Quartz vein, translucent-opaque white, upper and lower margins are YC brecciated. Within the main vein itself, some clasts of strongly silicified wall rock, however no visible Cu oxide minerals. However, in the brecciated margins, approx. .25% disseminated Cu oxides (malachite dominant, azurite minor). Minor pyrite within quartz
25.1 - 41.9	MxF		Fol-mod	Mixed gneiss. Many fractures through gneiss, oxidized along fractures, however whole unit is glued together and silicified due to strong patches of silicification. Foliation parallel quartz veining, .5% disseminated and oxidized py cubes, pervasive white clay alteration of feldspars sealed by silicification. Mafic intervals exhibit moderate sericitization. Up to .75% fracture controlled limonite and hematite. Local pitting, clay alteration of mafic portions. Some x-cutting narrow quartz veins.
		25.1 - 41.9	Pervasive Strong Silicification	Pervasive Moderate Clay Patchy Moderate Sericitisation
41.9 - 52.9	MxF		Fol-mod	Moderately sericitized, silicified fesci gneiss. Patchy green-white clay alteration of feldspars, up to .5% fracture controlled limonite.
		41.9 - 52.9	Pervasive Moderate Sericitisation	Patchy Weak Silicification
52.9 - 61.4	MxF		Fol-str	Strongly disseminated bands and veins of dark sulphide mineral. Magnetic and distributed in bands along steepened foliation. Blebs and aggregates of brassy pyrite visible within oxidized portions (which are a red-burgundy colour after oxidation). Aresas contain up to 20% of the disseminated sulphide, while an interval from ~59m to 61.1m is mostly barren, silicified gneiss. A 10cm white opaque quartz vein cuts foliation at 57.7m, while a thin, translucent-opaque white quartz vein with coarse sulphide cuts foliation at a low angle at 58.3m (dipping south, approx. 40 degrees0. .75% fracture controlled limonite.
		52.9 - 61.4	Patchy Strong Silicification	Patchy Moderate Sericitisation
61.4 - 67.2	MxF		Fol-mod	Foliation appears to shallow to regular dip, banded black sulphides continue, although in much smaller quantities (bands up to 5cm thick, magnetic, 1.5%). Common x-cutting calcite veinlets with dark selvages (chlorite?) which cut at a high angle TCA and appear to dip shallowly to the north. Towards bottom of unit, sulphide bands greatly lower in abundance. Strong silicification and sericitization.
		61.4 - 67.2	Pervasive Strong Silicification	Pervasive Strong Sericitisation
67.2 - 70.5	FG		Fol-mod	Moderate pervasive white clay alteration of felsic gneiss, .25% fracture controlled limonite. Silicification completely drops off, leaving sericitized gneiss.
		67.2 - 70.5	Pervasive Moderate Clay	Pervasive Moderate Sericitisation
70.5 - 113.0	MxF		Fol-mod	Mixed gneiss, patches of strong to moderate sericite and silicification leading to bleaching of the host, patchy breakdown of rock to white clay alteration. .5% fracture controlled limonite throughout. Patches of strong epidote alterationMinor calcite veining, and minor qtz-pyrite veinlets (<1cm thick) with no As anomalies. Generally typical glassy silica-sericite gneiss.
		70.5 - 113.0	Patchy Strong Silicification	Patchy Strong Sericitisation

Drill Log: CFD0368

Easting	586461.41	Hole Length	68m	Prospect	French Press	Drill Started	Jun 29, 2014	Comment
Northing	6975380.09	Azimuth	0°	Target	Cam's Vein	Drill Completed	Jun 30, 2014	
Projection	UTM7-NAD83	Dip	-70°	Geologist	EBuitenhuis	Core Size	NQ2	
Survey method	RTK GPS	Elevation	1096.22mASL					

Lithology and Alteration

Interval	Lith	Texture	Deformation	Comments
0.0 - 2.0	OVB			
2.0 - 21.7	MxF		Fol-mod	Mixed gneiss and schist, patchy weak calcite alteration, weak to moderate fracture controlled clay. Up to .5% fracture controlled limonite. Oxidation along fractures increases at lower 5m, with up to .75% fc limonite.
		2.0 - 21.7	Patchy Weak Clay	Patchy Moderate Sericitisation Fracture Controlled Moderate Clay
21.7 - 22.8	FG	silc	Fol-mod	Strongly silicified felsic gneiss. Preserved foliation, but cut by many <1cm thick translucent quartz veins. Feldspars within gneiss are clay altered (yellow). .75% fracture controlled limonite with weak clay.
		21.7 - 22.8	Pervasive Strong Silicification	Fracture Controlled Weak Clay
22.8 - 24.3	YC	silc		Intense silica flooding with local breccia development. Single patch of less altered rock (10cm). Weakly preserved foliation in some areas. Some quartz veins with defined margins crosscut unit. Breccia consists of a silica-flood matrix with small, angular clasts of sericitized and silicified wall(<1cm) which are moderately rotated. Other portions of the breccia contain "clasts" of wall rock mostly insitu, completely flooded by silica with no rotation of clasts, only separation and infill by quartz. About 1.5% pyrite or other dark sulphide mineral disseminated throughout. Trace malacite and azurite (.1%) mostly oxidizing off of fractures when core is broken. In close association with dark py/sulphide mineral.
		22.8 - 24.3	Pervasive Intense Silicification	
24.3 - 25.8	HU	silc		Intense silicification, white quartz with dark patches of host rock, unrecognizable. Intense sericite in some patches, well defined foliation to what could even be described as a YC breccia.
		24.3 - 25.8	Pervasive Intense Silicification	Patchy Intense Sericitisation
25.8 - 26.7	FG	lamn	Fol-mod	Silicified and strongly foliated gneiss with thin quartz veins. .5% fracture controlled limonite.
		25.8 - 26.7	Pervasive Moderate Silicification	Patchy Moderate Sericitisation
26.7 - 42.9	MxF		Fol-mod	Mixed felsic gneiss, patches of moderate sericite alteration, weak fracture controlled clay. .75% fracture controlled limonite, weak bleaching in some areas.
		26.7 - 42.9	Patchy Moderate Sericitisation	Fracture Controlled Weak Clay
42.9 - 68.0	MxF		Fol-mod	Mixed gneiss, patches of strong green-white clay alteration and disaggregation of core, .25% fracture controlled limonite. Locally stronger.
		42.9 - 68.0	Patchy Strong Clay	Patchy Moderate Sericitisation

Drill Log: CFD0369

Easting	586322.29	Hole Length	110m	Prospect	Cappuccino	Drill Started	Jun 30, 2014	Comment
Northing	6976109.54	Azimuth	270°	Target		Drill Completed	Jul 01, 2014	
Projection	UTM7-NAD83	Dip	-45°	Geologist	EBuitenhuis	Core Size	NQ2	
Survey method	RTK GPS	Elevation	1024.94mASL					

Litholoav and Alteration

Interval	Lith	Texture	Deformation	Comments
0.0 - 9.0	OVB			
9.0 - 31.7	MxF		Fol-mod	Mixed gneiss, strongly fractured in areas, weak to moderate pervasive clay alteration of feldspars and lcoally strong along fractures. Fracture controlled limonite up to .5%, some patches of .5% disseminated.
		9.0 - 31.7	Pervasive Moderate Clay	
31.7 - 32.3	FC	fgrn		Thin dacite dyke, fine grained and moderately clay altered. Liesegang limonite oxidation banding throughout. Low As kick (<100ppm).
		31.7 - 32.3	Pervasive Moderate Clay	
32.3 - 36.4	FG		Fol-mod	Weak oxidized zone, .75% disseminated limonite in patches, moderate pervasive sericitization, weak fc clay. .25% hematite oxidation along fractures.
		32.3 - 36.4	Pervasive Moderate Sericitisation	Fracture Controlled Moderate Clay
36.4 - 37.5	FG		Fol-str	Zone. Up to 1.5% disseminated limonite through rubble zone with moderate clay alteration. Weak sense of strike of fracture/structure (?), striking north?
		36.4 - 37.5	Fracture Controlled Moderate Clay	
37.5 - 38.1	YC	silc		Silicified clast breccia, strong sericite-silicification throughout, matrix supported with large angular clasts of oxidized host rock.
		37.5 - 38.1	Pervasive Strong Silicification	Pervasive Strong Sericitisation
38.1 - 39.5	FG		Fol-mod	Tail end of zone, moderate pervasive silica-sericite alteration, .75% disseminated limonite. Fades at lower contact into weakly oxidized FG
		38.1 - 39.5	Pervasive Moderate Silicification	Pervasive Moderate Sericitisation
39.5 - 48.7	MxF		Fol-mod	Mixed felsic gneiss, patchy disseminated pink hematite, large white opaque and fractured qtz vein from 47-47.8m, moderate green-white clay alteration of feldspars.
		39.5 - 48.7	Pervasive Moderate Clay	Patchy Weak Sericitisation
48.7 - 50.4	FG		Fol-mod	Thin and patchy zone. Strong 1.25% disseminated limonite in two patches, from 48.65-49.35, and 49.85-50.4m, with weaker oxidation separating them. Moderate patchy sericite and silicification.
		48.7 - 50.4	Patchy Moderate Sericitisation	Patchy Moderate Silicification
50.4 - 78.9	MxF		Fol-mod	Mixed felsic gneiss, .25% fracture controlled limonite. Slight enrichment at 64.5-65m, (.5% disseminated, does not run As). Patchy weak sericite, fracture controlled clay. X-cutting pyrite-calcite-qtz veins at bottom of unit.
		50.4 - 78.9	Fracture Controlled Weak Clay	Patchy Weak Sericitisation
78.9 - 92.3	MxF		Fol-mod	Patchily oxidized felsic gneiss, weak to moferate clay-limonite patches (.5% lim) weak sericite. Rubble zone from 79.3-79.8m, with dark clay alteration and 1cm thick pyrite-magnetite veins crosscutting at approx. 45 degrees TCA.
		78.9 - 92.3	Patchy Moderate Clay	Patchy Moderate Sericitisation
92.3 - 95.0	FG		Fol-mod	Zone: 1.25% disseminated orange-brown limonite through felsic gneiss. Buff, brownish appearance (as opposed to bright orange limonite) throughout, weak pervasive clay and sericite alteration.
		92.3 - 95.0	Pervasive Moderate Sericitisation	Pervasive Moderate Clay
95.0 - 95.7	YO			Clay matrix breccia, with strong beige clay cutting approx. 45 degrees TCA. Clasts are angular and mostly in-situ. Trace fracture controlled oxidation.
		95.0 - 95.7	Replaces Matrix Strong Clay	
95.7 - 96.3	FG		Fol-mod	End to zone, .75% fracture controlled limonite and hematite through felsic gneiss. Weak clay long fractures. Deceiving appearance: upon first inspection does not appear mineralized, but finely oxidized sulphide is distributed along a schistose foliation.
		95.7 - 96.3	Pervasive Moderate Sericitisation	Fracture Controlled Weak Clay

96.3 - 110.0	MxF	Fol-mod	Mixed gneiss, rare thin patches of .5% disseminated limonite. Coarse qtz-feldspar augen, .25% fracture controlled limonite which dies out by end of unit. Thick chlorite veining from 105-106m.
96.3 - 110.0	Fracture Controlled Weak Clay		

Drill Log: CFD0370

Easting	586439.37	Hole Length	152m	Prospect	Cappuccino	Drill Started	Jul 01, 2014	Comment
Northing	6976031.24	Azimuth	270°	Target		Drill Completed		
Projection	UTM7-NAD83	Dip	-45°	Geologist	EBuitenhuis	Core Size	NQ2	
Survey method	RTK GPS	Elevation	1031.39mASL					

Litholoav and Alteration

Interval	Lith	Texture	Deformation	Comments
0.0 - 2.7	OVB			
		0.0 - 23.3	Fracture Controlled Weak Clay	Patchy Weak Sericitisation
2.7 - 23.3	MxF	Fol-mod	Pink felsic gneiss, weak fracture controlled clay and weak sericite alteration in patches. Up to .5% fracture controlled limonite.	
23.3 - 25.8	MV		Bull white opaque quartz vein. Very low recovery in interval, quartz vein is present until block, although significant redrill noted throughout.	
25.8 - 60.1	MxF	Fol-mod	Mixed felsic gneiss, patchy moderate silicification and bleaching, coarse qtz-feldspar augen. Some patches of moderate sericitization. Common calcite-pyrite and bull qtz-pyrite veining xcutting foliation.	
		25.8 - 60.1	Patchy Moderate Sericitisation	Patchy Moderate Silicification Fracture Controlled Weak Clay
60.1 - 60.3	FC	fgrn	Fine grained dacite dyke, .75% fracture controlled limonite. Lower contact has no orientation line, but appears to strike N-S and dip steeply to the west.	
		60.1 - 60.3	Pervasive Moderate Clay	
60.3 - 71.2	MxF	Fol-mod	Mixed gneiss, moderate to strong sericitization in patches, with minor fracture controlled hematite (.5%) and weak clay along fractures and replacing feldspars. Thin (5cm) offshoot of dacite dyke at 64.9m.	
		60.3 - 71.2	Patchy Moderate Sericitisation	Patchy Moderate Silicification Fracture Controlled Weak Clay
71.2 - 96.7	MxF	Fol-mod	Mixed gneiss, moderate pervasive sericitization, patch of moderate yellow clay alteration with pervasive Fe-carbonate alteration and veining from 84.85-85.8m. Moderate fracture controlled clay in some areas.	
		71.2 - 96.7	Patchy Moderate Clay	Patchy Moderate Fe-carb
96.7 - 98.2	FG	Fol-mod	Thin zone. Moderate clay alteration of feldspars, within patch of 1.5% disseminated arsenian pyrite and 1% hematite.	
		96.7 - 98.2	Pervasive Moderate Sericitisation	Pervasive Weak Silicification
98.2 - 114.1	MxF	Fol-mod	Coarse feldspar augen in felsci gneiss. Moderate pervasive white clay and weak sericite alteration.	
		98.2 - 114.1	Pervasive Moderate Sericitisation	Fracture Controlled Weak Clay
114.1 - 119.1	FG		Zone: patches of strong disseminated hematite (2%) foliation parallel, with some small unoxidized windows revealing disseminated arsenian pyrite. Some moderate fracturing and bull quartz veins which host limonite along fractures .75%. Coarse white mica, weak fracture controlled clay.	
		114.1 - 119.1	Pervasive Moderate Sericitisation	Fracture Controlled Weak Clay Patchy Moderate Silicification
119.1 - 120.4	FG	Fol-wk	Zone: strong pervasive silicifcaiton of gneiss, patches have no visible foliation due to alteration. 1% disseminated limonite. Quartz vein with brecciated limonite-silica margins cuts extremely low angle TCA, nearly parallel. Steeply NW dipping, anastomosing margins.	
		119.1 - 120.1	Pervasive Strong Silicification	Pervasive Moderate Sericitisation
		120.1 - 125.8	Pervasive Strong Sericitisation	Fracture Controlled Weak Clay
120.4 - 125.8	FG	Fol-mod	Zone: patches of 2% disseminated hematite, but less oxidized than previous zone. Strong sericite alteration, weak fracture controlled and feldspar replacing clay alteration. Prominent low-angle TCA fracture and oxidation corridors cutting approx. 20 degrees TCA.	
125.8 - 152.0	MxF	Fol-mod	Mixed gneiss, weak fracture controlled clay and up to .5% limonite along some fractures. Local thin (<2m) patches of weak bleaching and .25% disseminated limonite.	
		125.8 - 152.0	Patchy Moderate Sericitisation	Fracture Controlled Weak Clay

Drill Log: CFD0371

Easting	586439.37	Hole Length	41m	Prospect	Cappuccino	Drill Started	Jul 02, 2014	Comment	Re-drill of first 30-40m of CFD0370 due to poor recovery from 23-26m.
Northing	6976031.24	Azimuth	268°	Target		Drill Completed	Jul 03, 2014		
Projection	UTM7-NAD83	Dip	-50°	Geologist	EBuitenhuis	Core Size	NQ2		
Survey method	RTK GPS	Elevation	1031.39mASL						

Lithology and Alteration

Interval	Lith	Texture	Deformation	Comments
0.0 - 3.0	OVb			
3.0 - 6.2	MxF		Fol-mod	Mixed gneiss, moderate clay-chlorite alteration of biotite schist, weak pink hematite through gneiss.
		3.0 - 6.2	Replaces Mafics Moderate Chlorite	Fracture Controlled Moderate Clay
6.2 - 7.9	FG		Fol-mod	Oxidized felsic gneiss, .75% fracture controlled limonite with weak clay through strongly fractured rock.
		6.2 - 7.9	Fracture Controlled Moderate Clay	
7.9 - 22.1	FG		Fol-mod	Fractured felsic gneiss, .25% disseminated pink hematite (non-min) and weak fracture controlled clay. .25% fracture controlled limonite.
		7.9 - 22.1	Fracture Controlled Weak Clay	Patchy Weak Sericitisation
22.1 - 36.4	FG		Fol-mod	Patchily altered and oxidized gneiss. 15cm bull quartz vein at 26m believed to be the same as observed in the overcut, but much narrower. Up to .75% fracture controlled limonite, common quartz-calcite-pyrite veining (non-min) and patches of moderate silicification.
		22.1 - 36.4	Patchy Moderate Silicification	Fracture Controlled Weak Clay
36.4 - 41.0	FG		Fol-mod	Fresh felsic gneiss. Weak disseminated hematite, .25% fracture controlled limonite.
		36.4 - 41.0	Fracture Controlled Weak Clay	Patchy Weak Sericitisation

Drill Log: CFD0372

Easting	584923.19	Hole Length	179m	Prospect	Supremo T7	Drill Started	Jul 03, 2014	Comment
Northing	6974750.56	Azimuth	270°	Target	T7	Drill Completed	Jul 05, 2014	
Projection	UTM7-NAD83	Dip	-45°	Geologist	Ebuitenhuis	Core Size	NQ2	
Survey method	RTK GPS	Elevation	1126.48mASL					

Litholoav and Alteration

Interval	Lith	Texture	Deformation	Comments
0.0 - 8.0	OVb			
8.0 - 32.0	MxF		Fol-mod	Mixed gneiss, moderate silica through FG, weak chlorite after mafics, up to .5% fracture controlled limonite. Weak fracture controlled clay.
		8.0 - 32.0	Patchy Moderate Silicification	Fracture Controlled Weak Clay
32.0 - 32.8	FG		Fol-mod	Thin zone, 1.5% disseminated limonite and strong clay alteration of gneiss. Thin (1cm) limonite-clay fracture corridors at bottom of unit with strong clay, running approx. 60 degrees TCA.
		32.0 - 32.8	Pervasive Strong Clay	
32.8 - 45.6	MxF		Fol-mod	Mixed gneiss, strong clay-chlorite after biotite schist, weak sericite through gneiss. Rubble zone from 42-42.8m with .75% fracture controlled purple hematite and moderate clay. Fracture zone follows immediately after 20cm fractured bull qtz vein.
		32.8 - 45.6	Patchy Strong Clay	Replaces Mafics Strong Chlorite Patchy Weak Sericitisation
45.6 - 51.1	FG		Fol-mod	Patchy zone, weak As tenor. Locally up to 2% limonite associated with strong clay along some fractures, majority of unit contains 1% disseminated. Patches of strong silicification with potential Yx crackle brecciation by limonite-clay (46-47.5m) followed by strong pervasive clay alteration and subsequent breakdown of rock to rubble (47.5-48.3m).
		45.6 - 51.1	Patchy Strong Silicification	Patchy Strong Clay Patchy Weak Sericitisation
51.1 - 54.5	FG		Fol-mod	Weaker portion of zone, brown-orange colour throughout gneiss with local strong fracture controlled clay and weak pervasive silicification. Minor patch of 1% disseminated hematite at 54.2-54.5m.
		51.1 - 54.5	Pervasive Weak Silicification	Patchy Strong Clay
54.5 - 62.7	MxF		Fol-mod	Mixed gneiss, thin patches of Ycarb veining and weak crackle brecciation throughout the unit until 61.85m, where moderate silicification begins with up to 1.5% disseminated hematite until 62.3m. Moderate white clay after feldspars, throughout, common Fe-carbonate veinlet crosscutting. Over unit, .75% fracture controlled limonite.
		54.5 - 62.7	Patchy Moderate Silicification	Replaces Felsics Moderate Clay Patchy Moderate Fe-carb
62.7 - 78.6	MxF		Fol-mod	Mixed gneiss ,patchy moderate Fe-carbonate alteration, moderate patchy clay, up to .75% fracture controlled limonite.
		62.7 - 78.6	Patchy Moderate Fe-carb	Patchy Moderate Silicification Fracture Controlled Moderate Clay
78.6 - 80.8	BtS		Fol-mod	Strong sericitization of biotite schist, pervasive calcite in addition to Ycarb brecciation by coarse white calcite. Vugs with houndstooth calcite present in some intervals, breccia/calcite veins trend parallel to core axis.
		78.6 - 80.8	Pervasive Strong Calcite	Pervasive Moderate Chlorite Pervasive Strong Sericitisation
80.8 - 82.9	FG		Fol-mod	Zone shoulder, strong fracturing with clay and 1% limonite running parallel TCA (drilled down), patches of moderate white clay after feldspars. Overriding feature is the complex fracture networks heavily breaking up core. Switches to disseminated foliation parallel oxidation at lower margin (.75% diss).
		80.8 - 82.9	Pervasive Moderate Clay	Patchy Moderate Calcite
82.9 - 87.8	FG		Fol-mod	Zone: 2% disseminated limonite, 2% disseminated hematite through felsic gneiss/biotite schist. Strong fracture controlled clay leading to disaggregation of core in some areas, several fracture orientations. Minor white opaque and dismembered quartz veins with heavy limonite along fracutres.
		82.9 - 87.8	Patchy Moderate Silicification	Fracture Controlled Strong Clay
87.8 - 121.4	MxF		Fol-mod	Mixed gneiss, patchy moderate silica-sericite alteration and minor thin patches of fracture controlled/weakly disseminated limonite up to .5%. Increase in sericitization over last 3m. Common xcutting calcite veinlets, some minor intervals (<1m) of amphibole schist.
		87.8 - 121.4	Patchy Moderate Sericitisation	Patchy Moderate Silicification Fracture Controlled Weak Clay

121.4 - 124.1	FG	Fol-mod	Felsic gneiss, moderate pervasive sericite, strongly fractured with up to 1.5% fracture controlled limonite and moderate clay in association. Weak white clay after feldspars. Patch of 1.5% disseminated hematite from 123.65-124m.		
	121.4 - 124.1	Pervasive	Moderate Sericitisation	Fracture Controlled Strong Clay	Replaces Felsics Weak Clay
124.1 - 148.6	MxF	Fol-mod	Mixed gneiss, strong calcite-clay-chlorite alteration of biotite schist intervals leading to soft, disaggregated core in some intervals. Patchy strong Fe-carbonate alteration in addition to common white calcite veining and pervasive calcite through most of the unit. Patchy .5% disseminated limonite.		
	124.1 - 148.6	Fracture	Controlled Strong Clay	Replaces Mafics Strong Chlorite	Pervasive Strong Calcite
148.6 - 149.1	Ycarb		Zone shoulder, intense calcite-sericite alteration of host, leading to formation of moderately mature carbonate-matrix breccia with small (<1cm) clasts of host rock with schistose appearance, but pervasively carbonate altered, foliation preserved. Patchy oxidation with some dark brown hematite along fractures mixed with disseminated orange limonite/Fe-carb.		
	148.6 - 149.1	Pervasive	Strong Calcite	Pervasive Strong Fe-carb	Pervasive Strong Sericitisation
149.1 - 153.4	HU		Zone, strong to intense pervasive clay alteration of biotite schist. Minor thin intervals of green-brown-orange clay alteration reveal protolith. Generally completely disaggregated. Intense calcite alteration from prior unit completely ceases. Heavily fractured bull white quartz vein reduced to rubble amongst clay in lower portion of unit (10cm). 3% disseminated limonite.		
	149.1 - 153.4	Pervasive	Intense Clay	Patchy Moderate Silicification	
153.4 - 166.4	BtS	Fol-str	Strongly foliated biotite-chlorite schist. Moderate to strong epidote in patches, moderate clay throughout, weak to moderate pervasive calcite. Thin patch of strong (2.5%) disseminated sooty pyrite, with moderate hematite-limonite oxidation (1.5%) from 161.9-162.3m.		
	153.4 - 166.4	Pervasive	Moderate Clay	Pervasive Moderate Chlorite	Patchy Moderate Epidote
166.4 - 179.0	MxF	Fol-mod	Strong silica-sericite alteration at beginning 3m of unit, fading to background levels to EOH. Weak fracture controleld limonite (.1) and weak fracture controlled clay.		
	166.4 - 179.0	Fracture	Controlled Weak Clay	Patchy Strong Sericitisation	Patchy Strong Silicification

Drill Log: CFD0373

Easting	586028.98	Hole Length	200m	Prospect	Cappuccino	Drill Started	Jul 05, 2014	Comment
Northing	6976049.21	Azimuth	180°	Target		Drill Completed	Jul 07, 2014	
Projection	UTM7-NAD83	Dip	-45°	Geologist	Ebuitenhuis	Core Size	NQ2	
Survey method	RTK GPS	Elevation	924.29mASL					

Litholoav and Alteration

Interval	Lith	Texture	Deformation	Comments
0.0 - 6.0	OVB			
6.0 - 35.6	FG		Fol-mod	Felsic gneiss, weak to moderate clay alteration of feldspars, minor patches of .25% disseminated limonite with increased clay alteration.
		6.0 - 35.6	Patchy Moderate Sericitisation	Patchy Moderate Clay
35.6 - 36.5	IV		Fol-wk	Thin, fine grained mafic dyke. Coarse white calcite veins in addition to pervasive carbonate.
		35.6 - 36.5	Pervasive Weak Clay	Pervasive Moderate Calcite
36.5 - 41.1	FG		Fol-mod	Felsic gneiss, weak fracture controlled limonite, moderate sericite patches, some xcutting Fe-carbonate veinlets at bottom of unit. Patchy moderate clay alteration.
		36.5 - 41.1	Patchy Moderate Sericitisation	Fracture Controlled Weak Clay
41.1 - 41.8	Ycarb			Ycarb breccia, coarse, crystalline, houndstooth calcite growing in matrix of angular clast of wallrock breccia. Strong sericite/bleaching in interval, well defined breccia margins. Very minor As (60ppm).
		41.1 - 41.8	Pervasive Strong Calcite	
41.8 - 50.5	FG		Fol-mod	Felsic gneiss/muscovite schist, coarse muscovite in areas, moderate white -yellow clay alteration of feldspar. Local .5% disseminated limonite, moderate clay. Weak patchy epidote. Strongly altered lower contact with dyke.
		41.8 - 50.5	Fracture Controlled Moderate Clay	Pervasive Moderate Sericitisation
50.5 - 59.8	IV		Fol-wk	Weakly foliated, fine grained mafic dyke. Strong calcite veining crosscuts. .5% fracture controlled limonite. Rafts of HU intensely altered rock from 51.2-52.3m, 53.2-53.65m, and 54.1-54.5m. Strong calcite throughout, up to .75% fracture controlled limonite, strong clay on some fractures.
		50.6 - 59.8	Fracture Controlled Strong Clay	Pervasive Strong Calcite
59.8 - 69.6	FG		Fol-mod	Felsic gneiss, locally up to .5% fracture controlled limonite, weak clay along some fractures.
		59.8 - 69.6	Fracture Controlled Weak Clay	
69.6 - 71.1	IV			Fine grained mafic dyke. Moderate pervasive clay alteration, minor calcite domains highlighting weak strain/foliation throughout.
		69.6 - 71.1	Pervasive Moderate Clay	
71.1 - 78.0	FG		Fol-mod	Moderate to strong pevasive clay alteration of gneiss, .5% fracture controlled limonite and .25% fracture controlled hematite. Some ares strongly white clay altered.
		71.1 - 78.0	Patchy Strong Clay	Patchy Weak Sericitisation
78.0 - 78.8	IV		Fol-wk	Fine grained mafic dyke with weakly foliated margines, dark preserved core, and coarse white calcite veining crosscutting.
		78.0 - 78.7	Pervasive Moderate Calcite	
78.8 - 85.3	MxF		Fol-mod	Felsic gneiss, patchy .75% disseminated limonite, weak sericite alteration. Two ~40cm fine grained mafic dykes crosscutting. Common Fe-carbonate veining and moderate alteration.
		78.8 - 85.3	Patchy Weak Sericitisation	Patchy Moderate Fe-carb Fracture Controlled Moderate Clay
85.3 - 102.5	FG		Fol-mod	Areas of strong fracturing with moderate clay along fractures and up to .75% limonite. Majority of unit consists of weakly clay-sericite altered felsic gneiss. Minor IV mafic dykes (~30cm) within interval. Patchy strong clay.
		85.3 - 102.5	Fracture Controlled Moderate Clay	Pervasive Weak Sericitisation
102.5 - 147.9	FG		Fol-mod	Felsic gneiss, patchy moderate clay alteration and strong fracturing in those areas. Pink hematite throughout (.25%) and increased in some rubble zones, but no As anomalies. Patchy moderate sericite.
		102.5 - 147.9	Patchy Moderate Clay	Patchy Moderate Sericitisation Patchy Weak Silicification

147.9 - 200.0	MxF	Fol-mod	Mixed felsic gneiss, patches of weak limonite (.25%) and moderate white clay alteration and bleaching of feldspars. Rare strong epidote in patches. Minor Fe-carb veining crosscutting foliation.		
	147.9 - 200.0	Patchy Moderate Clay	Patchy Weak Sericitisation	Patchy Weak Fe-carb	

Drill Log: CFD0374

Easting	581850.27	Hole Length	173m	Prospect	Latte	Drill Started	Jul 08, 2014	Comment
Northing	6973401.22	Azimuth	0°	Target	Latte Ext	Drill Completed	Jul 11, 2014	
Projection	UTM7-NAD83	Dip	-45°	Geologist	Ebuitenhuis	Core Size	NQ2	
Survey method	RTK GPS	Elevation	1019.99mASL					

Litholoav and Alteration

Interval	Lith	Texture	Deformation	Comments
0.0 - 20.0	OVb			
20.0 - 21.0	PB			Marble band, minor fracturing and .25% fracture controlled orange limonite.
		20.0 - 21.0	Pervasive Intense Calcite	
21.0 - 21.5	HU		Fol-mod	Thin zone, rubble, pervasive clay alteration, up to 3% disseminated hematite, 1% limonite. Texture obliterated.
		21.0 - 21.5	Pervasive Strong Clay	
21.5 - 24.9	IV	fgrn		Dark black-green mafic dyke, fine grained, .25% fracture controlled limonite, strong pervasive calcite. Lower contact obscured by low angle TCA fracture network.
		21.5 - 24.9	Pervasive Strong Clay	
24.9 - 45.4	BtS_carb		Fol-mod	Moderate clay-chlorite alteration of biotite schist with marble bands up to 40cm thick. Heavily fractured, patches of strong clay breakdown of core in fracture networks.
		24.9 - 45.4	Pervasive Moderate Chlorite	Patchy Strong Clay
45.4 - 46.2	BtS_carb		Fol-mod	Strong pervasive clay alteration of zone. Heavy fracturing, 3% disseminated hematite, mineralization is constrained and contained by thin marble bands.
		45.4 - 46.2	Pervasive Strong Clay	
46.2 - 53.1	BtS_carb		Fol-mod	Strong chlorite-epidote alteration of bitoite schist, thin, inconsistent bands of marble/calcite with pink Mn tinge. Moderate clay along fractures.
		46.2 - 53.1	Patchy Strong Epidote	Pervasive Strong Chlorite Fracture Controlled Moderate Clay
53.1 - 54.0	BtS_carb		Fol-mod	Pervasive Fe-carbonate alteration of biotite schist, coarse white calcite veins crosscutting foliation, pervasive weak to moderate clay alteration.
		53.1 - 54.0	Pervasive Strong Calcite	Pervasive Strong Fe-carb
54.0 - 55.6	BtS		Fol-mod	Unit begins with strong sericitization of biotite schist, x-cut by white calcite vein. Strong disseminated, foliation parallel hematite and limonite (>3%) at 54.3m, transitioning to strong pervasive clay alteration and 2.5% disseminated limonite until end of unit. Heavily fractured, disaggregated core from 54.6m onwards.
		54.0 - 55.6	Patchy Strong Sericitisation	Pervasive Strong Clay
55.6 - 56.9	BtS		Fol-mod	Intermediary patch of clay-chlorite altered biotite schist. Fractured, thin region of .5% fracture controlled limonite.
		55.6 - 56.9	Pervasive Moderate Clay	Pervasive Moderate Chlorite
56.9 - 58.1	BtS		Fol-mod	Thin zone, strong disseminated hematite along relict biotite schist foliation. Minor foliation bound calcite (marble), strong fracture controlled clay, Up to 3% hematite.
		56.9 - 58.1	Pervasive Strong Clay	
58.1 - 70.1	BtS_carb		Fol-mod	Fractured biotite schist, common 10-20cm intervals of pink marble, moderate to strong fracture controlled clay. Up to .75% fracture controlled limonite locally.
		58.1 - 70.1	Fracture Controlled Strong Clay	Pervasive Moderate Chlorite
70.1 - 75.9	IV	fgrn		Strongly fractured fine grained mafic dyke. Moderately silicified, with preserved fracture networks which allow calcite veining and leaching of dyke. Common x-cutting calcite veins, .75% fracture controlled limonite leading to patches of strong alteration. Lower contact is Ycarb brecciated, angular clasts supported by Fe-carb matrix.
		70.1 - 75.9	Pervasive Moderate Clay	Fracture Controlled Strong Calcite
75.9 - 77.0	BtS		Fol-mod	Heavily fractured interval, significant core loss. Lower 30cm of recovered core includes fragments of up to 3% disseminated hematite and strongly clay altered schist. Majority of unit is rubble with strong pervasive clay, and 1.5% disseminated limonite in association with clay.
		75.9 - 77.0	Pervasive Strong Clay	

77.0 - 84.7	BtS	Fol-mod	Biotite schist, upper 40cm includes silicified pink coloured gneiss (?) near bull white quartz vein, before weakly chloritized schist with up to .5% fracture controlled limonite.		
77.0 - 84.7		Pervasive Moderate Chlorite	Fracture Controlled Moderate Clay		
84.7 - 87.7	Ycarb	Fol-wk	Moderate silicification and pink colouration of gneiss/schist over initial 30cm, followed by strong clay-Fecarbonate alteration in repeating patches through biotite schist. Up to 1.5% disseminated limonite in patches, strong pervasive Fe-carbonate, minor hematite veinlets (.5% fractures). Common late white calcite veining cutting brecciation. All clast supported.		
84.7 - 87.7		Pervasive Strong Fe-carb	Patchy Strong Clay		
87.7 - 108.2	BtS_carb	Fol-mod	Biotite schist, patchy strong epidote alteration, some intervals of heavy fracturing with moderate clay alteration in association. Rare patches of purple-red hematite, .5% fracture controlled. / .25% limonite.		
87.7 - 108.2		Patchy Strong Epidote	Pervasive Moderate Chlorite	Fracture Controlled Moderate Clay	
108.2 - 109.2	MV		Thick quartz vein, white to milky translucent/opaque, intensely fractured but sealed by milky white silica. Lower margin is brecciated over a 3cm wide interval, with qtz vein clasts grading from angular into moderately rounded clasts at lower contact.		
108.2 - 109.2		Pervasive Strong Silicification			
109.2 - 111.4	BtS	Fol-mod	Intense dolomite-silica-sericite alteration of biotite schist, strong white clay in some areas/along some fractures. Minor thin (1mm) sooty pyrite veining.		
109.2 - 111.4		Pervasive Intense Silicification	Pervasive Intense	Pervasive Intense Sericitisation	
111.4 - 112.4	HU	Fol-wk	Zone, 3% sooty pyrite along foliation and as cutting veinlets through HU (most likely schist) clay-dolomite-sericite altered interval. Strong patches of clay and minor patch of 1.5% disseminated limonite at 112.1m.		
111.4 - 112.4		Patchy Strong Clay	Pervasive Strong Silicification	Pervasive Strong Sericitisation	
112.4 - 114.1	HU	Fol-wk	Abrupt, sharp end to previous mineralized zone as soon as oxidation begins (start of this unit). Strong pervasive clay alteration and 2% disseminated limonite through HU unit; patchy Fe-carb/calcite.		
112.4 - 114.1		Pervasive Strong Clay	Patchy Strong Fe-carb		
114.1 - 127.9	BtS_carb	Fol-mod	Heavily fractured biotite schist, strong clay-chlorite alteration and minor fracture controlled limonite (.25%)		
114.1 - 127.9		Fracture Controlled Moderate Clay	Pervasive Moderate Chlorite	Patchy Moderate Epidote	
127.9 - 140.5	UM		Thick panel of dark, relatively fresh mafic-ultramafic (high Ni, Cr content). Sheared upper contact, rich in talc and calcite veining, while lower contact appears almost intrusive, with a sharp boundary defined by 1cm thick calcite veins. Talc along fractures throughout.		
127.9 - 140.5		Fracture Controlled Moderate Talc			
140.5 - 165.0	BtS_carb	Fol-mod	Patchy strong epidote, clay alteration through biotite schist with moderate chlorite after biotite throughout. Local .5% fracture controlled limonite and strong clay and core breakdown (156m) with minor As enrichment.		
140.5 - 165.0		Patchy Strong Epidote	Patchy Strong Clay	Pervasive Moderate Chlorite	
165.0 - 169.7	BtS_carb	Fol-mod	Breakdown of biotite schist to rubble, strong clay alteration leading to poor recovery. Patch of .75% disseminated limonite at 166.4-166.6m (approx ?) and 169.4-169.6m (thin, strong hematite).		
165.0 - 169.7		Fracture Controlled Strong Clay			
169.7 - 173.0	BtS_carb	Fol-mod	Thin marble banding light pink in colour, patchy strong epidote through biotite schist.		
169.7 - 173.0		Pervasive Moderate Chlorite	Patchy Strong Epidote		

Drill Log: CFD0375

Easting	579110.16	Hole Length	173m	Prospect	Kona North	Drill Started	Jul 11, 2014	Comment
Northing	6974019.22	Azimuth	0°	Target	Kona North	Drill Completed	Jul 12, 2014	
Projection	UTM7-NAD83	Dip	-45°	Geologist	EBuitenhuis	Core Size	NQ2	
Survey method	RTK GPS	Elevation	1110.94mASL					

Litholoav and Alteration

Interval	Lith	Texture	Deformation	Comments
0.0 - 9.0	OVB			
9.0 - 34.8	GG	cgrn		Coarse grained granite, pervasive moderate clay alteration, no bt remaining. Oxidized throughout, with .25% disseminated limonite after silicate minerals, local increases of up to .5% along fractures with strong clay. Weak sericite after feldspars at lower contact.
		9.0 - 34.8	Pervasive Moderate Clay	Patchy Weak Sericitisation
34.8 - 42.8	GG	silc		Zone: coarse grained granite with pervasive silica-sericite-dolomite alteration. Bleached out appearance, and very fine grained arseno/arsenian pyrite disseminated throughout (1%). Unoxidized. 1cm white clay xcutting structures/fractures at 38.2m running approx 60 degrees TCA.
		34.8 - 42.8	Pervasive Strong Silicification	Pervasive Strong Sericitisation Pervasive Moderate Clay
42.8 - 43.9	GG	cgrn		Zone: 30cm of Ylim brecciation through granite at 43m, running perpendicular TCA. 2% disseminated limonite and 2% disseminated hematite throughout. Oxidized, strong pervasive clay alteration.
		42.8 - 43.9	Pervasive Moderate Clay	Pervasive Moderate Silicification
43.9 - 57.2	GG	cgrn		Patchily oxidized granite, coarse grained, feldspars more preserved. Patchy bright orange-pink oxidation in some areas, no As. Common hematite veining xcutting approx 45 degress TCA, some silicification in patches off of veinlets. Max limonite .75% fractures.
		43.9 - 57.2	Pervasive Weak Clay	Patchy Weak Silicification
57.2 - 59.5	GG	cgrn		Thin zone, strong pervasive clay alteration of granite, 1.5% disseminated limonite. Weak to moderate sericite throughout. Heavily fractured.
		57.2 - 59.2	Pervasive Strong Clay	Pervasive Moderate Sericitisation
		59.2 - 64.2	Pervasive Moderate Clay	Pervasive Moderate Sericitisation
59.5 - 64.2	GG	cgrn		Alteration halo to oxidized zone above: moderate pervasive white clay, weak to moderate greenish sericite throughout. .25% limonite along fracture surfaces.
64.2 - 71.5	GG	cgrn		Orange granite, .5% disseminated limonite through feldspars, fractured, moderate clay along some areas of breakdown.
		64.2 - 71.5	Fracture Controlled Moderate Clay	Pervasive Weak Clay
71.5 - 80.7	GG	cgrn		up to .75% disseminated limonite through granite, moderate pervasive clay. Local patches of weak sericite bleaching
		71.5 - 80.7	Pervasive Moderate Clay	Patchy Weak Sericitisation
80.7 - 85.4	GG	cgrn		Zone, orange limonite from previous zone lowers in strentght, only .5% disseminated limonite, mod to strong sericite. Some clay-sericite rubble zones localized on fracture planes. Bleached throughout.
		80.7 - 85.4	Pervasive Moderate Clay	Pervasive Strong Sericitisation
85.4 - 86.2	FC	mgrn		Felsic dyke, granular quartz throughout, medium grained. Strongly oxidized, 1.5% diss hematite. Vertically dipping, E-W trending quartz veinlets cutting.
		85.4 - 86.2	Pervasive Weak Clay	
86.2 - 91.0	GG	cgrn		Shoulder to zone, .75% disseimanted limonite and moderate clay alteration, felsic dyke clips edge of core at 87m, same as previous.
		86.2 - 91.0	Pervasive Moderate Clay	
91.0 - 116.3	GG	cgrn		Mostly fresh granite, up to .5% fracture controlled limonite, some fractures moderate clay alterataion. Pink colouration to feldspars throughout, preserved biotite and hornblende crystals.
		91.0 - 116.3	Fracture Controlled Moderate Clay	Patchy Weak Silicification
116.3 - 116.8	FC	mgrn		Same medium grained, granular FC as previous. Very weakly oxidized.
		116.3 - 116.8	Pervasive Weak Silicification	

116.8 - 132.5	GG	cgrn	Granite, .5% diss limonite, strong caly along fractures. Strong patches of silicification introduced by steep hem-qtz vein set, dipping steeply to the W/NW.	
116.8 - 132.5		Patchy Strong Silicification	Fracture Controlled Moderate Clay	
132.5 - 143.9	GG	cgrn	Weakly silicified and sericitized granite, grey colouration, mostly fresh, preserved bt and hbl. Lower 30cm strong silicification, obliterating granitic texture.	
132.5 - 143.9		Pervasive Moderate Silicification	Pervasive Moderate Sericitisation	
143.9 - 151.9	GG	cgrn	Fractured and clay altered granite, local strong Mn-oxide minerals along fractures. Up to 1% disseminated limonite in some patches (151m).	
143.9 - 151.9		Fracture Controlled Moderate Clay		
151.9 - 173.0	GG	cgrn	Granite, common and locally strong silica flooding and veining. Weak to moderate fracture controlled clay.	
151.9 - 173.0		Fracture Controlled Moderate Clay	Patchy Moderate Silicification	

Drill Log: CFD0376

Easting	579520.48	Hole Length	202m	Prospect	Kona North	Drill Started	Jul 13, 2014	Comment Single shift drilling from 13-14 July - Night crew arrived and worked the July 14 night shift.
Northing	6973964.06	Azimuth	0°	Target	Kona North	Drill Completed	Jul 17, 2014	
Projection	UTM7-NAD83	Dip	-45°	Geologist	EBuitenhuis	Core Size	NQ2	
Survey method	RTK GPS	Elevation	1052.11mASL					

Litholoav and Alteration

Interval	Lith	Texture	Deformation	Comments
0.0 - 12.0	OVB			
12.0 - 17.5	GG	cgrn		Zone, strong clay and silicifcation throughout, .5% disseimianted limonite and ultra fine arsenian pyrite (1.5%). Heavily fractured, disaggregated. Dominantly rubble.
		12.0 - 17.5	Pervasive Intense Clay	Pervasive Strong Silicification
17.5 - 24.5	YO	bx		Clay matrix brecciation of granite, intense white clay alteration decomposing host, quartz phenocrysts are all that remain. Very soft, some visible arsenian py in small aggregates, but mostly very finegrained sulphide (1%). Light green tinge to some areas, potentially related to Cr?
		17.5 - 24.5	Pervasive Intense Clay	Pervasive Strong Silicification
24.5 - 26.9	GG	cgrn		Strong silicification, sericitization of granite, core is competent. 3% disseminated sooty sulphide, .75% hematitic oxidation, mostly along fractures. Silicification is flood-style in some patches, obliterating any trace of host lith.Moderate fracture controlled clay
		24.5 - 26.9	Pervasive Strong Silicification	Pervasive Strong Sericitisation Fracture Controlled Moderate Clay
26.9 - 30.0	YO	bx		White-grey clay matrix bx of granite, intense white clay, common coarse brassy-white sulphide aggregates, .75% hematite oxidation in some areas, intense silica-sericite throughout. Greenish tinge to some white clay portions (Cr?).
		26.9 - 30.0	Pervasive Intense Clay	Pervasive Strong Silicification Pervasive Strong Sericitisation
30.0 - 33.1	GG	silc		Visible granitic texture, intense silicification throughout, very fine grained arsenian pyrite in silicified areas, in addition to coarse, dark as-py pseudomorphing biotite. .5% disseminated hematite, 2.5% disseminated sooty py. Moderate to strong clay in some areas.
		30.0 - 33.1	Pervasive Intense Silicification	Pervasive Strong Clay Pervasive Moderate Sericitisation
33.1 - 34.5	YO	bx		Intense clay matrix bx and alteration of granite, 3% sooty pyrite within clay, core is mostly rubble, disaggregated. Intense silicification of clasts, mostly just remnant quartz phenocrysts, but overprinted and sealed together in some areas. Greenish tinge to some portions.
		33.1 - 34.5	Pervasive Intense Clay	Pervasive Intense Silicification
34.5 - 41.9	GG	silc		Local YO clay matrix bx within granite, patchy 1% hematite, iintense silicification throughout. Moderate to strong clay, sericite, core is competent. Some areas foiliation completely obliterated, common greenish tinge to some fractures, Cr.
		34.5 - 41.9	Pervasive Intense Silicification	Pervasive Moderate Clay Pervasive Strong Sericitisation
41.9 - 45.8	GG	cgrn		Strong silica-sericite alteration, moderate pervasive clay, multiply oriented qtz veining and flooding at beginning of unit. Oxidized from 42m onwards, where feldspars are preserved.
		41.9 - 45.8	Pervasive Strong Silicification	Pervasive Strong Sericitisation Pervasive Moderate Sericitisation
45.8 - 48.1	GG	silc		Intense silicification of granite, dark colouration throughout, 1% hematite along fractures. Relict granitic texture is barely visible. No significant As enrichment throuhg unit.
		45.8 - 48.1	Pervasive Intense Silicification	
48.1 - 53.6	GG	cgrn		Oxidized granite, moderate pervasive clay, competent, moderate to strong silica, quartz-sooty sulphide vein cutting 70 degrees TCA at 49.58m with very fgrn sooty sulphide within.
		48.1 - 53.6	Pervasive Strong Silicification	Pervasive Moderate Clay Pervasive Moderate Sericitisation
53.6 - 57.5	HU			Intense clay altered granite, 3% disseminated sooty sulphide, rubble, disaggregated. Upper contact consisted of 20cm YO white-grey clay matrix brecciation. Intense silicification at top of unit and of clasts, before pervasive clay breakdown. No visible textures.
		53.6 - 57.5	Pervasive Intense Clay	Patchy Strong Silicification

57.5 - 59.0	GG			Intense silica-sericite alteration, strong clay, grey colouration throughout. Coarse brassy-white sulphide (1%). Quartz-sulphide vein structure dipping steeply to SW, striking NW-SE at 58.31m, almost chalcedonic appearance. Oxidized in patches to hematite-limonite.
		57.5 - 59.0	Pervasive Intense Silicification	Pervasive Intense Sericitisation Pervasive Strong Clay
59.0 - 63.5	BtS			Contact with schist, sharp, well defined transition. 3-4% disseminated sooty sulphide along schistose foliation, strong to intense clay, thin YS veining/brecciation (<5cm) cutting foliation at 70 degrees TCA. Raft of strongly oxidized and mineralized granite from 60.9-61.3m, strongly clay altered.
		59.0 - 63.5	Pervasive Strong Clay	Pervasive Moderate Sericitisation
63.5 - 65.0	BtS			Compact and fine grained biotite-chlorite schist, strong chl, epidote. Heavily fractured, minor sooty pyrite at lower contact. Patches of 3% disseminated sooty pyrite (20cm) intermixed with the unmineralized schistose host.
		63.5 - 65.0	Pervasive Moderate Sericitisation	Patchy Strong Chlorite Patchy Moderate Epidote
65.0 - 73.1	BtS_carb			Biotite schist with thin marble bands, alternating strong epidote-chlorite-clay alteration with patches of >5% disseminated arsenian pyrite (unox). Transitional oxidation, 2% limonite in non-sulphide zones. Common x-cutting white calcite veins with multiple orientations.
		65.0 - 73.1	Patchy Strong Calcite	Patchy Strong Epidote Patchy Strong Chlorite
73.1 - 79.0	HU	silc		Intensely silicified and oxidized host, local YO clay matrix brecciation, minor granitic textures in some areas of strong silicification, other regions completely obliterated of all texture. 2% patchy hematite, 1% limonitic oxidation.
		73.1 - 79.0	Pervasive Intense Silicification	Fracture Controlled Moderate Clay
79.0 - 87.4	GG	mgrn		Granitoid, strong clay, silica, bleaching throughout. Portions of potential FC dyking. Odd, graphic qtz-feldspar intergrowths in some patches (?). Heavily fractured. Majority of interval displays finer-grained granitic texture than typical Coffee granite, "cut" by the finer grained dyke (?). Distinct graphic, myrmekitic-style texture visible in the fine grained, white dyke. Dyke intervals are <10cm.
		79.0 - 87.4	Fracture Controlled Moderate Clay	Pervasive Strong Silicification
87.4 - 96.2	MsS			Schistose texture, strongly clay altered and oxidized, 1.5% disseminated limonite. Patchy arsenic enrichment.
		87.4 - 96.2	Pervasive Moderate Clay	
96.2 - 99.2	MsS			Strong clay alteration and oxidation of schist, heavily fractured (rubble) 1% disseminated limonite.
		96.2 - 99.2	Pervasive Strong Clay	
99.2 - 113.2	BtS			2% diss limonite through schist, strong to intense clay alteration, but competent core. Foliation is obliterated in areas. Patchy .75% hematitic oxidation.
		99.2 - 113.2	Pervasive Strong Clay	Patchy Moderate Sericitisation
113.2 - 116.8	BtS		Fol-mod	Grey schistose rock, moderate pervasive clay with 1% brassy, unoxidized, primary pyrite.
		113.2 - 116.8	Patchy Moderate Sericitisation	Pervasive Moderate Clay
116.8 - 117.7	BtS		Fol-wk	Strong pervasive clay alteration and oxidation of schist, 1% disseminated limonite, weathered appearance.
		116.8 - 117.2	Pervasive Strong Clay	
		117.2 - 122.5	Patchy Strong Clay	Patchy Moderate Sericitisation
117.7 - 122.5	BtS		Fol-wk	Patchy disseminated limonite (1.5%) with strong pervasive clay alteration, Mn-oxide on fractures. Unit begins in brown-grey schist with heavily disrupted foliation, grading to oxidized schist with 1.5% diss limonite.
122.5 - 125.1	YO	bx		2cm angular clasts of HU, clay altered material in a limonite-clay matrix. Clast supported. Cut by milky, chalcedonic-grey quartz. Oxidized throughout, 1% limonite. Multiple orientations recorded, hard to discern a proper foliation/sense of flow for bx.
		122.5 - 125.1	Replaces Clasts Strong Clay	Pervasive Strong Clay
125.1 - 126.9	BtS		Fol-mod	Grey-brown oxidation of schist, strong patchy clay, .75% disseminated limonite, potential minor sooty sulphide. Lower portion of unit consists of heavily rotated, dismembered bull quartz veins with strong sericite alteration beginning.
		125.1 - 126.9	Pervasive Moderate Clay	Patchy Moderate Silicification
126.9 - 127.6	HU			Moderate pervasive clay, strong to intense sericite alteration. Grey colouration, 1% disseminated sooty pyrite throughout. Foliation is rotated, core is cut, chopped, rotated by alteration. Completely obliterated.
		126.9 - 127.6	Pervasive Intense Sericitisation	Pervasive Strong Clay
127.6 - 133.0	BtS			2.5% disseminated limonite, strong pervasive clay. Patch of purple-red hematite (No As) from 131.3-132m, YO clay-matrix brecciation locally, with rotated foliation and cut blocks of schist, with juxtaposing foliation in areas.
		127.6 - 133.0	Pervasive Strong Clay	Patchy Moderate Sericitisation

133.0 - 137.5	BtS_carb		Marble banding, patchy 1% limonite with strong clay alteration in liesegang bands through the clay, reminiscent of heavily altered and oxidized FC dyking. Strong to intense sericit in patches.
133.0 - 137.5		Patchy Strong Clay	Patchy Strong Sericitisation
137.5 - 140.6	BtS		Local 2.5% limonite, strong pervasive clay, patches of strong sericite and bleaching (in unoxidized windows).
137.5 - 140.6		Patchy Intense Sericitisation	Patchy Strong Clay
140.6 - 143.0	HU		Strong patchy clay, YS sulphide flooding/veining (5cm width) in patches, 2% disseminated sooty pyrite with additional sooty pyrite veinlets crosscutting interval. Heavily altered corridor, dismembered host.
140.6 - 143.0		Pervasive Intense Sericitisation	Pervasive Strong Clay Patchy Moderate Silicification
143.0 - 148.8	BtS		Oxidized BtS, sooty veinlets crosscutting through patches, moderate clay-chlorite in some patches of weak oxidation. unoxidized from 147.7-148.8m, with weak to moderate chlorite-epidote alteration. Relict marble banding in some areas.
143.0 - 148.8		Patchy Strong Clay	Patchy Moderate Epidote Patchy Moderate Chlorite
148.8 - 157.6	BtS		Strong pervasive clay, 1.5-2% limonite with local 1% hematitic oxidation. Foliation visible in some patches, usually texturally obliterated. White clay is major component.
148.8 - 157.6		Pervasive Strong Clay	
157.6 - 164.0	BtS	bx	Strong oxidation, 2% limonite, 1.5% hematite in patches, common Mn-oxides on fractures, heavily fractured due to strong clay alteration. Relict schistose texture visible in some patches. 10cm of Mn-oxide matrix brecciation at 158.9m: matrix supported, semi angular clasts of clay altered schistose host. Lower portion of unit heavily altered, rotated host rock, less Mn-oxide and more limonitic.
157.6 - 164.0		Pervasive Strong Clay	Patchy Moderate Sericitisation
164.0 - 166.8	BtS	Fol-mod	Bleached and dolomitized schist, local brown-red hematite oxidation bleeding in off fractures, strong sericite throughout, mod to strong pervasive clay. Patch of rubble and strong pervasive clay alteration at 165.6m.
164.0 - 166.8		Pervasive Strong Sericitisation	Pervasive Strong Patchy Strong Clay
166.8 - 173.0	HU		Strong zone, strong pervasive clay alteration, 2.5% limonite, 1% hematite oxidation, local YO clay matrix brecciation. Heavily fractured. Onset of white clay at lower 2m of unit.
166.8 - 173.0		Pervasive Strong Clay	
173.0 - 177.7	BtS	Fol-str	Strong bleaching throughout, strong clay, dolomite, patches of 2% disseminated sooty sulphide, strong over lower 30cm.
173.0 - 177.7		Pervasive Strong Sericitisation	Pervasive Strong Pervasive Moderate Clay
177.7 - 180.2	BtS	Fol-wk	Patches of 2.5% sooty pyrite, strong pervasive clay, patchy limonite-hematite oxidation (upper transitional).
177.7 - 180.2		Pervasive Strong Clay	Patchy Strong Sericitisation
180.2 - 183.5	HU	Fol-str	Bleached schist, .5-1% disseminated sooty sulphides, strong fabric throughout, local quartz veins, heavily fractured and cutting foliation.
180.2 - 183.5		Pervasive Strong Sericitisation	Pervasive Moderate Clay
183.5 - 190.2	BtS	Fol-mod	Strong clay, local YO brecciation (clay matrix) and minor sulphide bx corridors, .75% limonite, 1% hematite bleeding in to host off of fractures, some unoxidized windows with chalcedonic silica veining and strong to intense sericitization. reduced to rubble in some areas of strong clay alteration.
183.5 - 190.2		Patchy Strong Sericitisation	Patchy Strong Clay
190.2 - 197.0	HU	Fol-wk	Intense clay alteration throughout, 1.5% patchy sooty sulphide, green Cr/V/Ti mica within chalcedonic qtz veining (?). Local YS brecciation where competent.
190.2 - 197.0		Pervasive Intense Clay	Patchy Intense Sericitisation
197.0 - 202.0	HU		Intense clay alteration and strong limonite-hematite oxidation (2.5% disseminated). Minor core loss, but hole cut short at 202 due to cave in.
197.0 - 202.0		Pervasive Intense Clay	

Drill Log: CFD0377

Easting	579775.25	Hole Length	212m	Prospect	Kona North	Drill Started	Jul 17, 2014	Comment
Northing	6973579.7	Azimuth	90°	Target	Kona North	Drill Completed		
Projection	UTM7-NAD83	Dip	-45°	Geologist	Ebuitenhuis	Core Size	NQ2	
Survey method	RTK GPS	Elevation	1157.21mASL					

Litholoav and Alteration

Interval	Lith	Texture	Deformation	Comments
0.0 - 6.0	OVb			
6.0 - 20.6	GG	cgrn		Granite, areas of strong breakdown to rubble. Some with moderate clay alteration and up to .75% disseminated limonite (9m).
		6.0 - 20.6	Patchy Moderate Clay	Patchy Weak Sericitisation
20.6 - 26.8	GG	cgrn		Patchy moderate sericite, limonitic oxidation (1% on some fractures, .75% in patches). Alteration/qtz vein 2cm wide at 25.1m. Coarse white mica in place of biotite throughout.
		20.6 - 26.8	Patchy Moderate Sericitisation	Fracture Controlled Moderate Clay
26.8 - 31.8	GG	cgrn		Mostly fresh granite, patchy green sericite alteration, weak clay along fractures.
		26.8 - 31.8	Fracture Controlled Weak Clay	Patchy Moderate Sericitisation
31.8 - 34.9	GG			Potential zone, pervasively silicified and clay altered granite, all mafic phenocrysts replaced by white mica aggregates. Yellow colouration throughout, with limonitic oxidation in patche and along fractures.
		31.8 - 34.9	Pervasive Moderate Clay	Pervasive Moderate Silicification
34.9 - 47.2	GG	cgrn		Fresh, "countertop" granite. Pink K-spar, greenish weak sericite alteration throughout.
		34.9 - 47.2	Patchy Weak Sericitisation	
47.2 - 56.9	GG	cgrn		Patches of moderate white clay-sericite alteration of granite. Minor fracture controlled limonite-hematite with associated clay bleaching in some areas. Thin (3cm) pink-grey, medium grained felsic dyke at 53.65m striking ENE-WSW, dipping steeply to the northwest.
		47.2 - 56.9	Patchy Moderate Sericitisation	Patchy Moderate Clay
56.9 - 60.0	GG	cgrn		Pervasive white clay alteration (moderate), 20cm medium grained, clay altered felsic dyke at 58.7-58.9m, up to .75% fracture controlled limonite. Quartz-limonite vein cutting core at 57.5m.
		56.9 - 60.0	Pervasive Moderate Clay	Patchy Moderate Sericitisation
60.0 - 76.4	GG	cgrn		Granite with patches of moderate white clay alteration, moderate sericitization. Minor hemaite veining in areas throughout, local .5% fracture controlled limonite. 15cm medium grained grey felsic dyke at 66.85-67m, with pink hematite veining/banding (?) following its strike.
		60.0 - 76.4	Patchy Moderate Clay	Patchy Moderate Sericitisation
76.4 - 78.7	GG	cgrn		Thin interval of disseminated 1% limonite through granite. Moderate white clay alteration where unoxidized, moderate sericite throughout.
		76.4 - 78.7	Pervasive Moderate Clay	Pervasive Moderate Sericitisation
78.7 - 85.0	GG	cgrn		Mostly fresh granite, minor fracture controlled limonite. Weak sericite in patches.
		78.7 - 85.0	Patchy Weak Sericitisation	
85.0 - 109.5	GG	cgrn		Patchy weak to moderate sericite, up to .25% fracture controlled limonite in some areas.
		85.0 - 109.5	Patchy Moderate Sericitisation	Fracture Controlled Moderate Clay
109.5 - 118.3	GG	cgrn		Increased alteration, local strong silicification, some steep "fabric" and qtz alteration and veining striking ENE-WSW and dipping steeply to the NW. patchy .5% disseminated limonite.
		109.5 - 118.3	Patchy Strong Silicification	Pervasive Moderate Sericitisation
118.3 - 152.0	GG	cgrn		Coarse pink granite, minor, rare patches of silica sericite alteration concentrated along fractures, rare 25% fracture controlled limonite.
		118.3 - 152.0	Patchy Weak Silicification	Patchy Weak Sericitisation

152.0 - 188.2	GG	cgrn	Patchy moderate white clay alteration of granite, green sericite alteration tinting feldspars throughout.		
		152.0 - 188.2	Patchy Moderate Clay	Pervasive Moderate Sericitisation	
188.2 - 196.0	GG	cgrn	Strong sericitization of granite, pervasive chlorite veining and fracture fill. Strong patchy clay.		
		188.2 - 196.0	Pervasive Strong Sericitisation	Patchy Strong Clay	Pervasive Moderate Chlorite
196.0 - 212.0	GG	cgrn	Moderate patchy silicification, strong pervasive sericitization with green tint throughout. Local strong clay. Thin chlorite breccias oriented 70 degrees TCA.		
		196.0 - 212.0	Patchy Strong Clay	Pervasive Strong Sericitisation	Pervasive Moderate Chlorite

Drill Log: CFD0378

Easting	579980.11	Hole Length	227 m	Prospect	Kona North	Drill Started	Jul 19, 2014	Comment
Northing	6973980.85	Azimuth	0°	Target	Kona North	Drill Completed	Jul 23, 2014	
Projection	UTM7-NAD83	Dip	-45°	Geologist	EBuitenhuis	Core Size	NQ2	
Survey method	RTK GPS	Elevation	1118.68mASL					

Lithology and Alteration

Interval	Lith	Texture	Deformation	Comments
0.0 - 10.0	OVb			
10.0 - 14.5	BtS		Fol-mod	Brown-orange oxidation of schist, local YO brecciation at 14.3m with Mn-oxide matrix (no As anomalism). Up to 1.5% limonite disseminated throughout, local .5% pink-red hematite.
		10.0 - 14.5	Fracture Controlled Moderate Clay	Patchy Weak Silicification
14.5 - 25.7	BtS	bx	Fol-wk	Strong limonite-pervasive moderate clay alteration of schistose protolith. Repeated 30-40cm intervals of Ylim brecciation, common dismembered quartz veining (relict/old).
		14.5 - 25.7	Pervasive Moderate Clay	
25.7 - 27.5	YO	bx		Intense clay alteration and brecciation. Potential silicification of small, subrounded clasts set in the clay matrix. Weak limonitic oxidation within the white clay, up to 2.5% within clay altered margins.
		25.7 - 27.5	Pervasive Intense Clay	
27.5 - 28.7	FC			strong oxidation and pervasive clay alteration of HU unit, potentially FC. Heavily fractured, up to 2.5% disseminated limonite.
		27.5 - 28.7	Pervasive Strong Clay	
28.7 - 53.5	BtS		Fol-mod	Interval of strongly oxidized schist. Patches of 2% disseminated limonite, heavily disrupted foliation throughout. Local strong white-green clay alteration (with minor Cr anomalism).
		28.7 - 53.5	Pervasive Moderate Clay	Patchy Strong Clay
53.5 - 62.5	BtS_carb	band	Fol-mod	Brown-orange limonitic oxidation of biotite schist with common marble bands. Local 2% disseminated limonite, moderate fracture controlled clay, some intervals of bright green clay alteration (after thin mafic dykes?).
		53.5 - 62.5	Fracture Controlled Moderate Clay	Patchy Moderate Chlorite
62.5 - 66.7	BtS		Fol-mod	2% patchy limonite through schistose host. Strongly fractured, heavy rubble zones with significant core loss.
		62.5 - 66.7	Pervasive Moderate Clay	
66.7 - 67.1	FC	fgrn		Thin, pervasively clay altered felsic dyke. Upper contact approximately 45 degrees TCA. 1% disseminated limonite.
		66.7 - 67.1	Pervasive Moderate Clay	
67.1 - 75.0	BtS		Fol-wk	Oxidized and moderately clay altered schist. Local heavy fracturing, increased clay in fracture zones. Common strong Mn-oxides in rubble zones. Brown-orange hematite bleeding in off some fractures (.5%). 1% disseminated limonite throughout.
		67.1 - 75.0	Pervasive Moderate Clay	Patchy Weak Silicification
75.0 - 80.8	BtS		Fol-wk	Heavily fractured, disaggregated biotite schist. Strong pervasive clay alteration leading to complete breakdown of core. Up to 2% limonite in some rubble patches. Where competent, core is pervasively clay altered, brown-orange colouration.
		75.0 - 80.8	Patchy Strong Clay	
80.8 - 91.1	BtS		Fol-mod	Oxidized and fractured biotite schist. Pervasive clay replacement of biotite, strong clay on fractured surfaces. Strong deformation of foliation throughout, local moderate sericitization. Oxidized throughout, but local patches are enriched in arsenic. 1.5% disseminated limonite throughout, with local peaks of up to 2%.
		80.8 - 91.1	Pervasive Moderate Clay	Fracture Controlled Strong Clay Patchy Moderate Sericitisation
91.1 - 107.5	BtS		Fol-mod	Oxidized schist, patches with coarse white mica, moderate fracture controlled clay. Strongly foliated throughout, some patches of Mn-oxide.
		91.1 - 107.5	Fracture Controlled Moderate Clay	Patchy Moderate Sericitisation

107.5 - 117.5	BtS	Fol-mod	Heavily fractured schist with patches of strong sericite alteration, and some intervals of complete clay alteration and breakdown of host. Up to 1.5% disseminated limonite, weak hematite bleeding in off of fractures, local strong clay. Bottom of unit contains minor marble banding.
107.5 - 117.5		Patchy Strong Clay	Patchy Strong Sericitisation
117.5 - 118.9	HU		Strong pervasive clay alteration and strong Mn-oxidation of schist (?). Rubble zone, significant core loss.
117.5 - 118.9		Pervasive Strong Clay	
118.9 - 122.0	BtS_carb	Fol-mod	Rubble zone, chunks of marble from schist dominant. Signifigant loss, redrill. Weak fracture controlled clay through schist, .25% limonite.
118.9 - 122.0		Fracture Controlled Weak Clay	
122.0 - 125.8	BtS_carb	Fol-mod	Moderate to strong pervasive clay alteration of schist, semi-preserved marble banding, some significant fracture zones with increased clay alteration. From 125-125.8, strong pervasive clay and 2% disseminated limonite, although Fe-carbonate dominated.
122.0 - 125.8		Patchy Strong Fe-carb	Fracture Controlled Strong Clay
125.8 - 129.8	BtS_carb	Fol-mod	Biotite schist, fine marble laminations, heavily fractured in areas. Up to .25% fracture controlled limonite, moderate to strong chlorite.
125.8 - 129.8		Pervasive Strong Chlorite	Fracture Controlled Moderate Fe-carb
129.8 - 132.4	BtS_carb	Fol-mod	Strong Fe-carbonate alteration of previous unit, moderate fracture controlled clay. Some calcite veining crosscutting foliation. 75% disseminated limonite.
129.8 - 132.4		Pervasive Strong Fe-carb	Fracture Controlled Moderate Clay
132.4 - 147.4	BtS_carb	Fol-mod	Dark green biotite schist, common thin marble laminations and banding throughout. Some thin amphibolite slivers within schist. Minor, ~1m intervals of fracturing and moderate clay alteration, with strong associated Fe-carbonate alteration.
132.4 - 147.4		Patchy Strong Fe-carb	Pervasive Moderate Chlorite Patchy Moderate Epidote
147.4 - 155.0	BtS_carb	Fol-mod	Patches of strong clay alteration, pervasive strong Fe-carbonate alteration of schist. 40cm intervals of lessened alteration and fresh green schist within strong Fe-carbonate alteration. Local strong clay alteration. No orientation, however coarse white calcite veins cutting core at 40 degrees TCA.
147.4 - 155.0		Pervasive Strong Fe-carb	Patchy Strong Clay
155.0 - 171.3	BtS_carb	Fol-mod	Biotite schist, common carbonate/marble banding, weak .25% fracture controlled limonite.
155.0 - 177.2		Pervasive Moderate Chlorite	Patchy Moderate Epidote Patchy Weak Epidote
171.3 - 177.2	BtS_carb	Fol-mod	Biotite schist with minor marble banding and amphibolite, patchy calcite. moderate chlorite, weak epidote. Minor lim-calcite stringers and veinlets.
177.2 - 178.1	BtS_carb	Fol-wk	Biotite schist, oxidized and strongly clay altered with minor rubble zones. Moderate chlorite after mafics, moderate Fe-carb. Strong limonite and hematite veining, up to 0.5% disseminated hematite and limonite.
177.2 - 178.1		Patchy Strong Clay	Patchy Moderate Chlorite Pervasive Moderate Fe-carb
178.1 - 189.7	BtS_carb	Fol-mod	Biotite schist, common carbonate/marble banding, weak .25% fracture controlled limonite. Moderate chlorite, weak patchy epidote.
178.1 - 189.7		Pervasive Moderate Chlorite	Patchy Weak Epidote
189.7 - 189.9	Ycarb		Short interval of Ycarb breccia at 189.70-85m; silicified sub-angular clasts of wall rock and qtz vein material in a limonite-clay-carbonate matrix. Strong pervasive clay, moderate pervasive Fe-carb. 1.5% disseminated limonite.
189.7 - 189.9		Pervasive Strong Clay	Pervasive Moderate Fe-carb
189.9 - 191.6	BtS_carb	Fol-mod	Partly oxidized biotite schist, strong patchy silica-sericite, minor breccia veins associated with cross-cutting calcite veinlets and stringers, strong veining also associated with local crackle brecciation. 0.5% patchy hematite bleeding out of fractures and veins.
189.9 - 191.6		Patchy Strong Silicification	Patchy Strong Sericitisation Patchy Weak Clay
191.6 - 223.9	BtS_carb	Fol-mod	Biotite schist with intervals of marble banding and short intervals of amphibolite. Moderate shear evident in crenulations at 197.3-199.5m, weak shear structures present throughout unit. Moderate pervasive chlorite, moderate patchy epidote in bands along foliation, patches of moderate clay alteration, moderate patchy Fe-carb. 0.1% fc limonite. Lower unit (223.5-223.9m) consists of a strong clay alteration halo above underlying unit.
191.6 - 223.5		Pervasive Moderate Chlorite	Patchy Moderate Epidote Patchy Moderate Fe-carb
223.5 - 223.9		Pervasive Strong Clay	Pervasive Moderate Chlorite
223.9 - 225.4	BtS_carb	Fol-wk	Strongly silica-sericite altered biotite schist with localized weak crackle brecciation associated with strong Fe-carb in cross-cutting stringers. Patches of strong clay alteration. 0.25% limonite and hematite in stringers and veinlets as well as along fractures.
223.9 - 225.4		Patchy Strong Silicification	Patchy Moderate Sericitisation Patchy Strong Clay
225.4 - 227.0	BtS_carb	Fol-mod	Biotite schist with minor marble banding and amphibolite, weak Fe-carb in stringers. moderate chlorite, moderate epidote. Minor lim-calcite stringers and veinlets. 0.1% fc limonite.
225.4 - 227.0		Pervasive Moderate Chlorite	Patchy Weak Epidote Vein Selvedge Weak Fe-carb

Drill Log: CFD0379

Easting	579521.11	Hole Length	224m	Prospect	Kona North	Drill Started	Jul 23, 2014	Comment
Northing	6973898.77	Azimuth	0°	Target	Kona North	Drill Completed	Jul 26, 2014	
Projection	UTM7-NAD83	Dip	-45°	Geologist	PJohansson	Core Size	NQ2	
Survey method	RTK GPS	Elevation	1083.51mASL					

Lithology and Alteration

Interval	Lith	Texture	Deformation	Comments
0.0 - 9.0	OVb			Overburden, granite rubble
9.0 - 15.7	GG	cgrn		Weakly clay altered and albitized granite, localized brown stained hematitic (0.25% fc), 0.1% fc limonite.
		9.0 - 15.7	Patchy Weak Clay	Replaces Felsics Weak Albite
15.7 - 22.1	GG	cgrn		Zone. Partly oxidized granite with a limonitic (1% disseminated) and strongly clay altered rubble interval at 17-18.15m. Patchy strong silicification, moderate patchy albite, patchy weak clay after feldspars (+/- limonite). Up to 2% disseminated fine-grained pyrite in frequent bands/veins 40-50 to LCA. Up to 0.5% fc to patchy limonite and hematite outside the clay rubble zone. As-by-XRF highlights: 3120ppm at 17m, 1125ppm at 18 m.
		15.7 - 17.0	Patchy Strong Silicification	Replaces Felsics Weak Clay
		17.0 - 18.2	Pervasive Strong Clay	Replaces Felsics Moderate Albite
		18.2 - 22.1	Patchy Strong Silicification	Replaces Felsics Moderate Albite
22.1 - 24.5	GG	cgrn		Granite with patchy moderate silicification and albite after feldspars, weak clay after feldspars. Rare fine-grained dark sulphide veins, common wispy quartz veinlets. 0.1% limonite and hematite along fractures and in veinlets. Rare red hematized cubic pyrite (<0.1%)
		22.1 - 24.5	Patchy Moderate Silicification	Replaces Felsics Moderate Albite
24.5 - 30.5	GG			Granite, weak pervasive clay, weak patchy albitization of feldspars, moderate patchy silicification in short interval with pink hematite staining. 40% oxidized with orange-brown lim-hem bleeding out of fractures and qtz-lim-hm stringers; 0.25% fc lim and hem.
		24.5 - 30.5	Pervasive Weak Clay	Patchy Moderate Silicification
30.5 - 38.0	GG	cgrn		Granite with moderate albitization of feldspars, weak clay replacing feldspars to weak pervasive clay at bottom of unit. 0.25% patchy limonite, localized fine-grained dark sulphide veining at 31.8-33.5m associated with weak mineralization (As-by-XRF 310ppm at 32 m, 334ppm at 33 m). Frequent multi-directional wispy quartz veins, locally limonitic/hematitic.
		30.5 - 38.0	Replaces Felsics Weak Clay	Patchy Moderate Albite
38.0 - 47.5	GG	cgrn		Zone, strongly silica and white clay altered granite. Top of unit (37.95-38.6 m) is strongly silicified and weakly clay altered with bands of very fine-grained dark sulphides (1.5%). Strong patchy silicification, moderate to strong clay after feldspars below 38.6 m, strong clay in short intervals, clay alteration weakens towards bottom of unit. Green hue after alteration of feldspars (sericite?) towards bottom of unit. Up to 2% dark very fine-grained disseminated sulphides in bands (veins (?), masked by strong clay alteration). 0.25% patchy limonite. As-by-XRF highlights: 7161 ppm at 40m, 4945 ppm at 45m, 2206 ppm at 44m.
		38.0 - 47.5	Patchy Strong Silicification	Patchy Strong Clay
47.5 - 50.9	GG	cgrn		Granite with weak to moderate pervasive clay, moderate patchy silicification. 0.1% fc limonite and hematite. Unit shows localized weak shear fabric parallel to frequent wispy qtz veinlets.
		47.5 - 50.9	Pervasive Weak Clay	Patchy Moderate Silicification
50.9 - 56.7	GG	cgrn		Zone through strongly silica and clay altered granite. Strong patchy silicification and strong pervasive white clay alteration, green hue after sericitization (?) of feldspars. Localized weak shear fabric at 30-40 degrees to LCA, possibly localized weak brecciation. Weak limonite (0.1% fc). Frequent dark bands/veins of very fine-grained disseminated pyrite (2%). As-by-XRF highlights: 1748 ppm at 55 m, 1516 ppm at 53 m, 547 ppm at 51 m.
		50.9 - 56.7	Patchy Strong Silicification	Pervasive Strong Clay
56.7 - 57.0	YO	bxm		Zone. White clay matrix breccia with silicified sub-rounded GG clasts, weak breccia fabric at ca. 40 degrees to LCA. Strong clay and silicification. Upper contact is transitional, lower contact is sharp. 0.25% limonite in matrix, 1% very fine-grained pyrite in GG clasts. As-by-XRF 461 ppm at 57 m.
		56.7 - 57.0	Replaces Matrix Strong Clay	Replaces Clasts Strong Silicification

57.0 - 62.2	GG	cgrn		Zone through silca-clay-sericite altered granite. Upper unit transitions from strong to weak clay alteration of feldspars, moderate patchy silicification, moderate sericitization of feldspars in lower unit. 0.25% fc limonite and hematite. Weak shear structures throughout unit. 1% disseminated v. fine-grained dark pyrite in veinlets and bands. As-by-XRF highlights: 774 ppm at 59 m, 442 ppm at 62 m.	
		57.0 - 58.6	Patchy Strong Clay	Patchy Strong Silicification	
		58.6 - 62.2	Replaces Felsics Weak Clay	Patchy Moderate Silicification	Replaces Felsics Moderate Sericitisation
62.2 - 70.9	GG	cgrn		Granite, weak pervasive silicification, weak patchy sericite and albite after feldspars. 0.25% patchy limonite. Strong multi-directional veining of wispy qtz +/- lim-hm veins, dark sulphide (?) veins, red hematite veinlets. Rare v. fine-grained pyrite in veinlets.	
		62.2 - 70.9	Pervasive Weak Silicification	Patchy Weak Sericitisation	Patchy Weak Albite
70.9 - 73.2	GG	silc		Zone. Granite. Strong patchy silicification, weak fc clay + replacing feldspars. Frequent arsenopyrite (spiny crystals) veining at 20-30 degrees to LCA, 3% disseminated pyrite in veins and bands. Localized vuggy texture after weathering of cubic pyrite. 0.1% fc limonite. Localized unidentified lime-green alteration of feldspars. As-by-XRF highlights: 20300 ppm qtz 72 m (As-pyrite vein), 1353 ppm at 73 m.	
		70.9 - 73.2	Patchy Strong Silicification	Patchy Weak Sericitisation	Replaces Felsics Weak Clay
73.2 - 79.3	GG	cgrn		Granite. Weak pervasive silicification, weak patchy sericite-clay-albite alteration of feldspars. Unidentified lime-green alteration of feldspars. 0.1% fc limonite. Rare red hematite stained cubic pyrite	
		73.2 - 79.3	Pervasive Weak Silicification	Replaces Felsics Weak Clay	Replaces Felsics Weak Sericitisation
79.3 - 83.3	GG			Zone. Strongly silicified and locally strongly clay altered granite, possibly white clay breccia at 80.45-80.6 m. Green hue after sericite (?) alteration of feldspars. Patches of 0.5% hematite and limonite bleeding out of fractures in lower part of unit, up to 2% v fine-grained pyrite in disseminations and veinlets. As-by-XRF 1101 ppm at 80 m, 1368 ppm at 82m.	
		79.3 - 83.3	Patchy Strong Silicification	Patchy Strong Clay	
83.3 - 92.8	GG	cgrn		Variably silica-clay altered granite; patchy moderate silicification, patchy moderate clay-albite after feldspars, localized green hue after sericite (?) alteration of feldspars. Short intervals of moderate to strong clay-hem-lim in upper unit. 0.25% patchy lim and hem.	
		83.3 - 92.8	Patchy Moderate Silicification	Replaces Felsics Moderate Clay	Patchy Moderate Albite
92.8 - 106.4	GG	cgrn		Granite with pervasive moderate albite and clay after feldspars. Short intervals of strong mineralization associated with strong silicification, a green alteration hue and v. fine-grained dark sulphide-qtz veining (0.1% in veins over interval); As-by-XRF 1213 ppm at 95 m, 3924 ppm at 103 m. The unit contains two minor felsic clay altered dykes (10-12 cm at 97.9-98 m and 99.33-99.45m). Frequent wispy quartz +/- dark sulphid veinlets and stringers. 0.1% fc limonite and hematite.	
		92.8 - 106.4	Replaces Felsics Moderate Clay	Replaces Felsics Moderate Albite	Patchy Strong Silicification
106.4 - 126.5	GG	cgrn		Similar granite as overlying unit but more oxidized. Moderate clay and albite after feldspars, moderate patchy silicification. Unit contains a series of variably clay altered felsic and mafic dykes (114.60-114.95 m FC, 115.11-115.25 m IV, 117.80-118.64 FC with strong clay), locally with fabric. Frequent wispy qtz veining +/- dark sulphides. 0.25-0.5% patchy limonite and hematite. Lower units transition into stronger silicification. Localized intervals of rubble.	
		106.4 - 126.5	Replaces Felsics Moderate Clay	Patchy Strong Clay	Replaces Felsics Moderate Albite
126.5 - 127.3	GG	cgrn		Zone. Strongly silicified granite with greenish hue after alteration of feldspars (mod sericite?). 1.5% fine-grained sooty pyrite in disseminations and veinlets. As-by-XRF 314 ppm at 127 m.	
		126.5 - 127.3	Pervasive Strong Silicification	Replaces Felsics Moderate Sericitisation	
127.3 - 131.1	YS	bxm	Fol-mod	Zone. Variably clast to matrix supported sooty sulphide-white clay matrix breccia, sub-angular to sub-rounded up to 30 mm clasts of moderately to strongly silicified wall-rock. Strong pervasive clay. Sharp upper and lower contact (ca. 70-80 degrees to LCA). Patchy breccia fabric 30-50 degrees to LCA, localized weak crenulations. 4% sooty pyrite in bands along fabric as well as in short intervals of disseminated. Dark grey bands of fault gouge (?). Short hematitic and silicified interval of oxidation at end of unit (0.1% fc hem). As-by-XRF highlights: 1519 ppm at 128 m, 07 ppm at 129 m, 284 ppm at 130 m.	
		127.3 - 131.1	Pervasive Strong Clay	Replaces Clasts Moderate Silicification	
131.1 - 134.0	GG	cgrn		Patchy zone of broken up granite rubble. Strong patchy silicification and clay, moderate patchy albite after feldspars. Patches of 0.75% disseminated hematite and limonite. As-by-XRF: 639 ppm at 133 m. Localized dark manganese on fractures.	
		131.1 - 134.0	Patchy Strong Silicification	Patchy Strong Clay	Patchy Moderate Albite
134.0 - 140.9	GG	cgrn		Strongly broken up interval of granite. Moderate patchy silicification, moderate clay in fractures, weak clay and albite after feldspars. 0.25% fc limonite and hematite. Localized dark manganese on fractures. Frequent hematite stained cubic pyrite.	
		134.0 - 140.9	Patchy Moderate Silicification	Fracture Controlled Moderate Clay	Replaces Felsics Weak Clay

140.9 - 150.7	GG	cgrn		Zone with patchy mineralization. Moderately silicified granite with moderate limonite-clay alteration of feldspars, localized strong clay. Patches of up to 0.75% disseminated limonite, 0.5% fc hematite; Strongly limonitic (1%) from 149.9-150.66 m. Localized sooty sulphide clay along fracture (43m). Abundant brown hematitic cubic pyrite. Shear zone in sub-unit at 145.05-145.75 m: weakly silicified and moderately clay altered unit showing strong crenulations. Localized weak shear structures in lower granite unit. As-by-XRF highlights: 1635 ppm at 143 m, 983 ppm at 146.6 m, 937 ppm at 148 m.
140.9 - 150.7			Patchy Moderate Silicification	Replaces Felsics Moderate Clay Patchy Strong Clay
150.7 - 153.1	BtS	lamn	Fol-mod	Zone. Sharp upper contact between GG and underlying brecciated BtS, contact at 25 degrees to LCA. Brecciated intervals consist of weakly separated and deformed sub-angular to rounded clasts of clay altered BtS and qtz vein material, as well as light strongly clay altered HU clasts (FC?), brecciation defined by stockwork of hematite stringers. Brecciated intervals are interlayered by weakly deformed and foliated BtS. Moderate pervasive clay alteration, weak patchy silicification, strong patchy sericite (BtS). 1% disseminated limonite, 0.5% hematite in stockwork. Massive quartz vein at 151.75-151.95 m. As-by-XRF: 230 ppm at 151 m, 680 ppm at 152.
150.7 - 153.1			Pervasive Moderate Clay	Patchy Weak Silicification Patchy Strong Sericitisation
153.1 - 155.0	BtS_carb	lamn		Biotite schist, moderate pervasive clay, moderate patchy Fe-carb, strongly broken up in lower unit. 0.25% fc hematite
153.1 - 155.0			Pervasive Moderate Clay	Patchy Moderate Fe-carb
155.0 - 162.9	BtS	silc	Fol-wk	Zone. Moderately to strongly silica-clay-sericite altered biotite schist, Rubble zone in top of unit with core loss. Short patches of strong clay altered rubble, possibly brecciated. Localized shear structures and crackle brecciation. 1.5% diss lim and hem. Patchy black manganese on fractures. Localized vuggy texture associated with short strongly hematitic intervals. As-by-XRF highlights: 4066 ppm at 162 m, 2774 ppm at 157 m, 2238 ppm at 158 m.
155.0 - 162.9			Pervasive Strong Silicification	Patchy Strong Clay Pervasive Strong Sericitisation
162.9 - 182.8	BtS_carb	lamn	Fol-mod	Moderate patchy silicification in short unoxidized windows. Weak pervasive clay, moderate patchy Fe-carb associated with strong calcite veining, localized strong clay associated with a short hematitic mineralized interval through a possibly brecciated rubble sub-unit (169.5-170.15 m). Patches of weak crackle brecciation and weak shear structures towards bottom of unit . 0.25% fc lim and hem.
162.9 - 182.8			Patchy Moderate Silicification	Pervasive Weak Clay Patchy Strong Clay
182.8 - 190.1	YO	bxi	Fol-wk	Zone. Strongly sheared and variably brecciated unit, dominantly unoxidized. Brecciation varies from clast to matrix-supported, with sooty sulphide-white clay matrix, angular to sub-angular clasts 2-120mm of unaltered to strongly clay-silica-sericite altered wall rock and quartz vein material. Localized crackle brecciation defined by sooty pyrite stockwork veining. Intervening intervals of unbrecciated but partly strongly sheared sericitized and clay altered BtS. Frequent tension gashes. Strong patchy clay, strong patchy silica-sericite. Frequent bands of dark grey fault gouge (?). 0.25% patchy lim and hem, Up to 1.5% sooty sulphides in matrix and in veinlets, 1% disseminated fg brassy pyrite. As-by-XRF highlights: 1394 ppm at 183 m, 865 ppm at 186 m, 334 at 190 m.
182.8 - 190.1			Patchy Strong Clay	Patchy Strong Silicification Patchy Strong Sericitisation
190.1 - 203.2	BtS_carb	lamn	Fol-mod	Biotite schist with moderate to strong patchy clay-silica-sericite, patchy moderate Fe-carb associated increasing to strong towards end of unit. Localized strongly bleached and intervals associated with Fe-carb-clay alteration. iRare marble banding. Localized mineralization associated with short strongly clay altered and limonitic-hematitic rubble intervals (192.95-193.20 m, 198.8-199.10 m). Patchy shear structures and localized crackle brecciation, frequent tension gashes. 0.5% patchy limonite and hematite, 0.25% disseminated brassy pyrite. As-by-XRF highlights: 1327 ppm at 199 m, 298 ppm at 193 m.
190.1 - 200.0			Patchy Moderate Silicification	Patchy Moderate Sericitisation Patchy Moderate Clay
200.0 - 203.2			Pervasive Strong Fe-carb	Pervasive Moderate Clay Patchy Moderate Sericitisation
203.2 - 211.8	IV	fgrn		Strongly clay-calcite bleached aphanitic mafic (?) dyke, with intervening black-green intervals moderately chloritized dyke. Upper contact is sharp at 15 degrees to LCA. Strong multi-directional calcite veining. Localized rafted material of crackle-brecciated BtS. Frequent tension gashes. 0.1% fc lim.
203.2 - 211.8			Pervasive Strong Clay	Pervasive Strong Calcite Patchy Moderate Chlorite
211.8 - 224.0	IV	fgrn		Aphanitic mafic dyke, weak to moderate chlorite. Short intervals of bleached calcitic dyke. Frequent multi-directional calcite veining.
211.8 - 224.0			Pervasive Moderate Chlorite	Vein Seldedge Moderate Calcite

Drill Log: CFD0380

Easting	579601.28	Hole Length	125m	Prospect	Kona	Drill Started	Jul 26, 2014	Comment
Northing	6973011.04	Azimuth	180°	Target	Kona Met	Drill Completed	Jul 27, 2014	
Projection	UTM7-NAD83	Dip	-87°	Geologist	PJohansson	Core Size	NQ2	
Survey method	RTK GPS	Elevation	1280.2mASL					

Lithology and Alteration

Interval	Lith	Texture	Deformation	Comments
0.0 - 1.6	OVB			
1.6 - 16.9	GG	cgrn		Granite with weak sericite and 0.1% fc limonite.
		1.6 - 16.9	Replaces Felsics Weak Sericitisation	
16.9 - 22.4	GG	cgrn		Granite. Weak to moderate clay after feldspars in alteration halo above and below a prtly mineralized moderately silica-sericite altered and hematitic interval at 17.55-20.6m. 0.1-0.25% fracture controlled limonite and hematite. Small disseminations of dark fine-grained sulphides between 17.55-20 m (0.1%). As-by-XRF 2673 ppm at 18m
		16.9 - 17.6	Replaces Felsics Weak Clay	Replaces Felsics Weak Sericitisation
		17.6 - 20.5	Pervasive Moderate Silicification	Pervasive Moderate Sericitisation
		20.5 - 22.3	Replaces Felsics Moderate Clay	Replaces Felsics Weak Sericitisation
		22.3 - 29.4	Fracture Controlled Moderate Clay	Patchy Weak Sericitisation
22.4 - 31.6	GG	cgrn		Granite. Localized moderate clay in fractures, patchy weak sericite. 0.1% fc limonite, increasingly limonitic towards bottom of unit (0.25% disseminated lim, 0.1 fc hem) with weak clay replacing feldspars.
		29.4 - 31.6	Replaces Felsics Weak Clay	Replaces Felsics Weak Sericitisation
31.6 - 33.0	GG	cgrn		Zone. Granite with weak pervasive clay-silica-sericite alteration. 0.5% patchy limonite, 0.25% fc hematite.
		31.6 - 33.0	Pervasive Weak Clay	Patchy Weak Silicification Pervasive Weak Sericitisation
33.0 - 34.4	GG	silc		Zone, sulphide facies. Granite with moderate pervasive silicification and weak sericite. 0.25% disseminated sooty sulphides replacing mafics. Black 4 cm wide qtz-sulphide vein at 33.8 m at 15TCA, ca 5% sulphide in vein. As-by-XRF 4.2% measured in vein. .1% fc hematite.
		33.0 - 34.4	Pervasive Moderate Silicification	Pervasive Weak Sericitisation
34.4 - 44.2	GG	cgrn		Patchy mineralization through granite with patchy moderate clay, weak patchy silica-sericite. Mineralization in more limonitic-hematitic intervals up to 80 cm wide, intervening intervals of fresher granite with medium grained biotite. 0.5% patchy limonite and 0.25% patchy hematite, minor fg dark sulphides in rare qtz-veining at 15-20TCA. As-by-XRF highlights: 4772ppm at 35 m, 963ppm at 39m. 90% oxide.
		34.4 - 44.2	Patchy Moderate Clay	Patchy Weak Silicification Patchy Weak Sericitisation
44.2 - 47.4	GG	cgrn		Granite, partly mineralized, with strong multi-directional qtz veining from close to parallel TCA to 60TCA. Quartz veining locally defining weak brecciation of the host rock. Minor dark fg sulphides in qtz veins. 0.25% disseminated limonite and hematite. Moderate silica flooding associated with the qtz veining. weak patchy sericite, weak clay after feldspars. As-by-XRF 793 pm at 45 m. 90% oxide.
		44.2 - 47.4	Patchy Moderate Silicification	Patchy Weak Sericitisation Replaces Felsics Weak Clay
47.4 - 51.4	GG	cgrn		Granite, moderate silicification in top of uit with increasing clay alteration towards end of unit (moderate after feldspars. 0.1% diss fc lim and hem. 100% oxide.
		47.4 - 49.0	Pervasive Moderate Silicification	Replaces Felsics Weak Clay
		49.0 - 51.4	Replaces Felsics Moderate Clay	
51.4 - 60.1	GG	cgrn		Zone. Granite. 90% oxidized, with short intervening un-oxidized intervals. Patchy moderate silica-sericite alteration, weak patchy clay after feldspars. Moderately hematitic at 52-56.8m (1% disseminated), 1.5% disseminated limonite throughout unit. Minor pyrite (0.1%) replacing biotite in un-oxidized windows.
		51.4 - 60.1	Patchy Moderate Silicification	Patchy Moderate Sericitisation Replaces Felsics Weak Clay

60.1 - 63.9	GG	cgrn	Granite with weak-mod clay after feldspars and weak sericite. 0.1% fc limonite.		
60.1 - 63.9			Patchy Weak Sericitisation	Replaces Felsics Moderate Clay	
63.9 - 69.9	GG	cgrn	Zone. 100% oxidized granite. Strong sericite, weak pervasive clay, localized moderate clay in fractured and broken up short interval. 2% diss lim, 1% diss hematite. As-by-XRF highlights: 6150ppm at 65m, 815ppm at 66m.		
63.9 - 69.9			Pervasive Weak Clay	Patchy Moderate Clay	Patchy Strong Sericitisation
69.9 - 82.4	GG	silc	Zone. 60% oxidized granite. Patches of strong silica-sericite alteration surrounding low-angle qtz-sulphide veining. Strongly anomalous As associated with sulphide-qtz close to LCA vein at 71.35-72m, up to 4% sulphides in vein: As-by-XRF 7.46%. Weak clay after feldspars, localized strong clay in possibly brecciated rubble interval at 72-72.4 m. 0.25% fc lim and hem. Up to 2% disseminated sooty sulphides, replacing mafics as well as in qtz-sulphide veining. As-by-XRF 3136ppm at 81m, 423ppm at 82m.		
69.9 - 72.0			Pervasive Strong Silicification	Pervasive Strong Sericitisation	
72.0 - 72.4			Pervasive Strong Clay	Replaces Clasts Strong Silicification	Patchy Strong Sericitisation
72.4 - 82.4			Patchy Strong Silicification	Patchy Strong Sericitisation	Replaces Felsics Weak Clay
82.4 - 90.9	GG	cgrn	Zone. Moderately sericitized and weakly clay altered granite. Localized strong silica obliterating granitic texture (87.1-87.35m). Strongly limonitic down to 85.6 m (2% diss lim, 0.5% fc hem). 1-2% dark sulphides (sooty?) replacing mafics throughout interval. As-by-XRF highlights: 3819ppm at 88m, 855ppm at 85m, 632ppm at 84m.		
82.4 - 90.9			Patchy Moderate Sericitisation	Replaces Felsics Weak Clay	Patchy Strong Silicification
90.9 - 93.5	GG	cgrn	Zone. Weakly oxidized interval (5% ox) through weakly silicified and moderately sericitized granite. 0.1% fc limonite. 3% sooty sulphide replacing biotite. Low-angle qtz-sulphide vein at 92-92.35m, 20TCA. As-by-XRF 4724ppm at 91m, 786ppm at 92m, 225ppm at 93m.		
90.9 - 93.5			Pervasive Moderate Sericitisation	Patchy Weak Silicification	
93.5 - 101.0	GG	cgrn	Zone. Oxidized (60%) granite with moderately limonitic interval at 94.6-98.5m (2% diss lim), otherwise 0.25% fc lim and hem. 0.5% dissminated sooty pyrite replacing mafics. Moderate sericite, weak patchy silicification , weak clay after feldspars. As-by-XRF 2838 ppm at 94m , 1053ppm at 96 m, 863ppm at 95m.		
93.5 - 101.0			Pervasive Moderate Sericitisation	Patchy Weak Silicification	Replaces Felsics Weak Clay
101.0 - 102.3	GG	cgrn	Granite with weak sericite and moderate patchy clay. Fresher with unaltered biotite crystals.		
101.0 - 102.3			Patchy Moderate Clay	Replaces Felsics Weak Sericitisation	
102.3 - 111.4	GG	cgrn	Zone. 80% oxidized granite with moderate to strong sericite and localized weak silicification. Weak clay replacing feldspars, localized moderate clay along fractures. 0.5% patchy lim and 0.25% fc hem at 102.3-106.5 m, 2% diss lim and 1% diss hem at 106.5-111.4m. 0.25% diss v.fg sooty sulphides replacing biotite, blebs of black sulphide from 107.4-111.4m (0.5%).		
102.3 - 111.4			Patchy Weak Silicification	Pervasive Strong Sericitisation	Replaces Felsics Weak Clay
111.4 - 125.0	GG	cgrn	Zone. 30% oxidized granite. Strong to intense patchy silicification obliteration granitic texture, weak to moderate sericite. Localized green tan green scorodite alteration. 1% patchy fc hematite, 3% dissminated sooty pyrite replacing mafics. Low-angle 15TCA qtz-sulphide vein at 111.95-112.25 associated with weak brecciation surrounding the vein. Low-angle 10TCA qtz-black sulphide vein at 117.10-117.13m, scorodite alteration below vein. Close to LCA parallell qtz-sulphide vein at 122.8-122.84 m, with brassy pyrrhotite along edges. As-by-XRF highlights: 2131ppm at 123m, 1625ppm at 124m, 1306ppm at 112m.		
111.4 - 125.0			Patchy Strong Silicification	Patchy Moderate Sericitisation	Fracture Controlled Weak Clay

Drill Log: CFD0381

Easting	579576.86	Hole Length	85m	Prospect	Kona	Drill Started	Jul 27, 2014	Comment
Northing	6973008.3	Azimuth	0°	Target	Kona Infill	Drill Completed	Jul 28, 2014	
Projection	UTM7-NAD83	Dip	-50°	Geologist	PJohansson	Core Size	NQ2	
Survey method	RTK GPS	Elevation	1283.15mASL					

Litholoav and Alteration

Interval	Lith	Texture	Deformation	Comments
0.0 - 4.0	OVb			Overburden, granite and IV rubble
4.0 - 6.3	GG	cgrn		Granite with moderate silica-sericite alteration, moderate clay in alteration halo above zone at end of unit, minor sooty sulphide veining (0.1%). 0.1% fc limonite
		4.0 - 6.3	Patchy Moderate Silicification	Pervasive Moderate Sericitisation Patchy Moderate Clay
6.3 - 7.3	GG	cgrn		Zone. Granite with moderate sericite and weak silica. Weak qtz-sulphide veining at 35TCA. 0.5% diss lim, 0.75% diss hem. As-by-XRF 1414ppm at 7 m.
		6.3 - 7.3	Pervasive Moderate Sericitisation	Patchy Weak Silicification
7.3 - 20.0	GG	cgrn		Granite. Clay alteration halo below upper contact. Localized moderate clay in short interval at 16-17m. Weak patchy sericite. 0.1% fc limonite and hematite.
		7.3 - 20.0	Patchy Moderate Clay	Patchy Weak Sericitisation
20.0 - 21.5	IV	mgrn		Mafic intrusive. Diffuse upper contact with fine-grained texture overprinting granitic texture. Biotite laths up to 4mm in crystalline silicious matrix. Relict granitic texture partly visible throughout unit - unit possibly part of same intruion as Coffee Creek Granite? Weak chlorite after mafics, 0.1% red oxidized cubic pyrite. Sharper lower contact at 30TCA.
		20.0 - 21.5	Replaces Mafics Weak Chlorite	
21.5 - 31.0	GG	cgrn		Granite with weak clay-limonite after feldspars, moderate patchy sericite, localized mod silica-sericite associated with qtz veining at 15TCA. 0.25% disseminated lim and hem. Localized mineralization: As-by-XRF 696ppm at 27m.
		21.5 - 31.0	Replaces Felsics Weak Clay	Patchy Moderate Sericitisation Patchy Weak Silicification
31.0 - 32.6	GG	cgrn		Weak zone in partly oxidized granite. Moderate patchy clay, strong sericite, patchy weak silicification. 0.75% patchy limonite, 0.25% fc hem. 0.25% black sulphides repalcing biotite.
		31.0 - 32.6	Patchy Moderate Clay	Patchy Strong Sericitisation Patchy Weak Silicification
32.6 - 33.6	YC	bxm		Zone. Matrix supported silicified clasts breccia, limonite-clay to local white clay matrix, strongly silicified sub-angular to sub-rounded HU 2-20mm clasts. Strong pervasive clay, strong silicification of clasts. Upper contact sharp at 20TCA (no ori), lower contact in rubble zone. 2% disseminated limonite, 0.5% dissminated hematite. A-by-XRF 885ppm at 33m.
		32.6 - 33.6	Pervasive Strong Clay	Replaces Clasts Strong Silicification
33.6 - 38.4	GG	cgrn		Weak patchy mineralization through strongly fractured and dissaggregated granite. Strong pervasive clay, moderate patchy sericite. Possibly short interval of white-clay matrix breccia at 35.3-35.4m. 0.5% patchy limonite, 0.25% patchy hematite. As-by-XRF 209ppm at 34m, 232ppm at 37m, 577ppm at 38m.
		33.6 - 38.4	Pervasive Strong Clay	Patchy Moderate Sericitisation
38.4 - 46.7	GG	cgrn		Strongly broken up and dissaggregated granite, strong pervasive clay, 0.1% patchy lim and hem.
		38.4 - 46.7	Pervasive Strong Clay	
46.7 - 53.5	GG	cgrn		Patchy mineralization. Strongly broken up interval. Moderately silica-sericite altered pieces of granite with intervening intervals (up to 40cm wide) white clay to limonite-clay matrix-supported breccia with silicified HU sub-rounded clasts. Strong patchy clay. Localized dark sulphides replacing biotite (trace). 1% patchy limonite, 0.25% fc hematite. 0.1% sooty pyrite in veins.
		46.7 - 53.5	Patchy Strong Clay	Patchy Moderate Silicification Patchy Moderate Sericitisation
53.5 - 54.2	YO	bxi		Zone. Variably brecciated unit. Brecciation in top of unit (53.5-53.96m) is defined by stockwork style lim-hem veining in a strongly silicified interval. Limonite-clay matrix supported silicified clast breccia at 53.96-54.2m, strongly silicified sub-angular HU clasts up to 10mm. Lower contact at 50 TCA (no ori) 1.5% diss lim, 1% diss hem. As-by-XRF 461 ppm at 54 m.
		53.5 - 54.0	Pervasive Strong Silicification	
		54.0 - 54.2	Pervasive Strong Clay	

54.2 - 54.9	GG	cgrn	Zone. Granite. Strong silica-sericite. 1% diss hemaite, 0.25% fc limonite, 0.25% sooty pyrite in unoxidized window. As-by-XRF spot check at 54.55 m 7866ppm.	
		54.2 - 54.9	Pervasive Strong Silicification	Pervasive Strong Sericitisation
54.9 - 58.3	GG	cgrn	Granite. Alteration halo below zone with moderate sericite and weak to clay after feldspars. 0.25% patchy limonite.	
		54.9 - 58.3	Pervasive Moderate Sericitisation	Replaces Felsics Moderate Clay
58.3 - 66.2	GG	cgrn	Granite. Moderate pervasive sericite, weak patchy silica-sericite. 0.1% fc lim.	
		58.3 - 66.2	Pervasive Moderate Sericitisation	Patchy Weak Silicification
66.2 - 68.8	GG	cgrn	Weakly mineralized granite. Strong pervasive sericite, localized strong silicification associated with qtz-sulphide veining at 67.23-67.45 m (as-by-XRF 1497 ppm in vein). 0.25% fc lim and hem.	
		66.2 - 68.8	Pervasive Strong Sericitisation	Patchy Strong Silicification
68.8 - 84.5	GG	cgrn	Granite. Weak to localized moderate patchy sericite. Localized qtz-lim stringers. Trace (<0.1%) limonite along fractures.	
		68.8 - 84.4	Patchy Weak Sericitisation	Patchy Moderate Sericitisation
		84.4 - 85.0	Pervasive Moderate Sericitisation	Pervasive Moderate Silicification
84.5 - 85.0	GG	cgrn	Zone. Granite. Moderate silica-sericite, 0.25% fc lim and hem. 0.25% dark sulphides replacing biotite.	

Drill Log: CFD0382

Easting	579677.29	Hole Length	200m	Prospect	Kona	Drill Started	Jul 28, 2014	Comment
Northing	6972990.09	Azimuth	0°	Target	Kona Infill	Drill Completed	Jul 30, 2014	
Projection	UTM7-NAD83	Dip	-50°	Geologist	PJohansson	Core Size	NQ2	
Survey method	RTK GPS	Elevation	1272.97mASL					

Litholoav and Alteration

Interval	Lith	Texture	Deformation	Comments
0.0 - 3.5	OVb			Overburden, granite rubble
3.5 - 15.4	GG	cgrn		Granite. Weak patchy sericite. Rare "floating" inclusions of IV material in intact core; 2mm biotite laths in silicious matrix. 0.1% fc limonite.
		4.0 - 15.4	Patchy Weak Sericitisation	
15.4 - 17.8	GG	cgrn		Granite. Moderate sericite, moderate albite and weak clay after feldspars. 0.25% fc lim, 0.1% fc hem.
		15.4 - 17.8	Patchy Moderate Sericitisation	Replaces Felsics Weak Clay Replaces Felsics Moderate Albite
17.8 - 47.1	GG	cgrn		Granite, dominantly fresh with patchy weak albite-sericite-clay in short bleached yellowish intervals. 0.1% fc limonite and hematite.
		17.8 - 47.1	Patchy Weak Sericitisation	Patchy Weak Albite Patchy Weak Clay
47.1 - 51.4	GG	cgrn		Granite. Strongly broken up and partly disaggregated with strong patchy clay replacing feldspars, patchy moderate albitization of feldspars and weak sericite. 0.1% fc lim.
		47.1 - 51.4	Patchy Strong Clay	Replaces Felsics Moderate Albite Patchy Weak Sericitisation
51.4 - 58.3	GG	cgrn		Granite. Weak patchy albite, increasing clay alteration (weak-mod) in alteration halo at end of unit (57-58.3m). 0.1% patchy lim.
		51.4 - 57.0	Replaces Felsics Weak Albite	
		57.0 - 58.3	Replaces Felsics Moderate Clay	
58.3 - 61.6	GG	silc		Zone. Strongly to intensely silica-sericite altered granite, alteration partly obliterating granitic texture. Weak clay-lim replacing feldspars. Localized tan green scorodite (?) alteration. Upper contact transitional, lower contact sharp non-planar into underlying dyke unit. Strong quartz-lim-sericite veining at 15-55TCA. 0.5% diss lim, 0.75% diss hematite bleeding out of fractures. As-by-XRF 524ppm at 59 m, 629ppm at 61 m.
		58.3 - 61.6	Pervasive Intense Silicification	Pervasive Strong Sericitisation Replaces Felsics Weak Clay
61.6 - 72.1	IV	fgrn		Zone. Strongly clay altered and mineralized aphanitic mafic dyke with thin lenses of limonite-clay matrix-supported silicified clast breccia, as well as strongly clay altered intervals of rafted (?) mineralized and strongly clay-sericite altered granite. Frequent concentric oxidation front textures defined by hematitic bands in dyke throughout the interval. Moderate patchy silicification associated with brecciated intervals. Lower sharp brecciated contact at ca. 30TCA into brecciated underlying unit. 1.5% diss lim and 1% patchy hem. As-by-XRF highlights: 1.6% at 62m, 4723ppm at 67 m, 4065ppm at 68 m.
		61.6 - 72.1	Pervasive Strong Clay	Patchy Moderate Silicification Patchy Strong Sericitisation
72.1 - 74.4	YC	bxm		Zone. Variably brecciated unit. Strong patchy clay. Intervals of white clay+/- limonite matrix supported silicified clast breccia with sub-rounded strongly silica-sericite altered HU clasts up to 5mm, interlayered with clast-supported crackle breccia with intensely silica-sericite altered angular HU clasts in white clay/limonite-clay matrix. Lower contact sharp at 30TCA. 0.25% fc lim and hem, 0.25% diss sooty sulphides in clasts. As-by-XRF 2047ppm at 73 m, 1169ppm at 74 m.
		72.1 - 74.4	Patchy Strong Clay	Replaces Clasts Strong Silicification Replaces Clasts Strong Sericitisation
74.4 - 76.1	YO	bxi		Zone. Strongly silicified and sericite altered interval with brecciation of host rock (GG?) defined by stockwork hematite/black sulphides veining. 0.25% diss lim, 1% diss hem, 0.5% diss black oxidized sulphides. Lower contact transitions out of brecciation. As-by-XRF 1337 ppm at 75 m, 2.6% at 75.7 m, 575 ppm at 76 m.
		74.4 - 76.1	Pervasive Strong Silicification	Pervasive Strong Sericitisation Replaces Matrix Weak Clay
76.1 - 80.3	GG	cgrn		Zone. Strongly sericite and moderately silicified granite with weak patchy clay. Low angle qtz-dark grey sulphide vein at 77.5-77.8 m (ca. 5TCA). Black oxidized sulphide-hematite vein at 15TCA at 78.4-78.5 m (2% As). 1% diss lim and hem, 0.25% black sulphide in veins. Lower contact transition out of oxidation. As-by-XRF highlights: 1477ppm at 77 m, 1042 ppm at 78 m, 1443 ppm at 79 m.
		76.1 - 80.3	Pervasive Strong Sericitisation	Patchy Moderate Silicification Patchy Weak Clay

80.3 - 88.2	GG	cgrn	Granite. Weak mineralization. Strong bleaching by moderate white clay after feldspars and strong sericite, localized moderate silicification. 0.25% patchy limonite, 0.25% disseminated sooty sulphides. As-by-XRF 350ppm at 81 m.		
		80.3 - 88.2	Pervasive Strong Sericitisation	Replaces Felsics Moderate Clay	Patchy Moderate Silicification
88.2 - 90.8	GG	cgrn	variable sil, mod wih very strong proximal to qtz vein 89.70m (dark grey with white specks irreg contacts), orange ox frac controlled after sulphides (lim, hem) 0.25-0.50%, weak clay alt		
		88.2 - 90.8	Pervasive Moderate Silicification	Pervasive Weak Clay	Patchy Weak Sericitisation
90.8 - 98.0	GG	cgrn	coarse granite variable arg perv alt strong > weak top weaken with depth, black sulphide zones low angle 0-20CA with increased XRF As,95.80-96.50m dark grey qtz vein with cross cutting subparallel lam fracturing including strong ox, 97.80-98.00m red patchy hem		
		90.8 - 93.0	Pervasive Strong Clay		
		93.0 - 98.0	Pervasive Moderate Clay	Pervasive Weak Silicification	
98.0 - 100.9	YC	bvx	clay alt matrix with strongly sil clast, granular-pebble (<=12mm) subround, dominantly matrix supported, matrix varibale white clay with patchy yellow-orange +/- brown, granite intervals at bottom <=15cm, some RF As anomalie (1234, 4032 ppm)		
		98.0 - 100.9	Pervasive Strong Clay	Replaces Clasts Strong Silicification	
100.9 - 121.8	GG	cgrn	var clay alt weak & strong (109.00-116.50m), 104.10m & 113.10m 2-3cm grey qtz vein with white specks 25CA & 35CA + occ grey qz vein stringers, weak orange lim bands, XRF As weaker than previous intervals <700ppm in weak clay alt <1000 in strong clay alt, 117.35-117.90m ornge ox zone with parallel open frac 40-50CA + stronger sil, 114.80-114.95m weak red-pink hem in strong clay zone		
		100.9 - 109.0	Patchy Moderate Clay		
		109.0 - 116.5	Pervasive Strong Clay		
		116.5 - 121.8	Pervasive Moderate Clay		
121.8 - 124.0	YC	bvx	predominantly strongly sil with occ short clay alt zone (122.60-122.85m), var matrix to framework supported, angular-subang clats <=5cm in framework supported, < 1cm in matrix supported, dark grey matri, clat light grey & orange, post-lith erratic fractures, XRF As <600ppm, 123.90-123.95m grey qz vein with white specks 40CA		
		121.8 - 122.6	Pervasive Strong Silicification	Fracture Controlled Weak Clay	
		122.6 - 122.9	Fracture Controlled Strong Clay		
		122.9 - 124.0	Pervasive Strong Silicification	Fracture Controlled Weak Clay	
124.0 - 144.9	GG	cgrn	predominantly hard with occ intervals of frac-control clay alt, pale orange with darker orange, patchy clay alt (plag), 137.60-138.60m unlatered interval, occ qz stringer <5mm (127.15m, 127.25m, 139.75m 30CA)		
		124.0 - 133.9	Patchy Moderate Clay	Patchy Moderate Silicification	
		133.9 - 138.6	Pervasive Moderate Silicification	Fracture Controlled Weak Clay	
		138.6 - 144.9	Pervasive Moderate Clay		
144.9 - 145.7	PyF	bxm	faulted granite, increasing fol/frac (35 CA)from top contact, 145.35-145.55m vuggy with semi-masive black mineral = sulphide (XRF 1.1% As), 145.55-145.68m grey quart vein, 2-3cm bands, sharp contacts 30 & 40 CA, 145m XRF As 5625ppm		
		144.9 - 145.4	Fracture Controlled Moderate Clay	Replaces Clasts Moderate Silicification	
		145.4 - 145.6	Replaces Clasts Moderate Silicification		
		145.6 - 145.7	Pervasive Strong Sericitisation		
145.7 - 155.2	GG	cgrn	alternating zone of grey granite (15-60cm) with limonte stained zones (1-80cm), var clay alt stronger with lim stain, 147.60-147.60 semi-massi black = Mn-rich (4.83% Mn, 487ppm As)		
		145.7 - 155.2	Patchy Weak Clay	Fracture Controlled Strong Clay	Patchy Weak Sericitisation
155.2 - 156.2	GG	cgrn	mod clay altered granite bottom contact strongest = crumbly		
		155.2 - 156.2	Patchy Moderate Clay		

156.2 - 179.2	GG	cgrn	fresh looking granite with alternating zones of perv sil with weak-mod interstitial ser zones (+/- pink red stain in plag = k-spar alt > hem?) & mod-strong interstitial ser (greenish-yellow) alt of mafics (i.e. weak-no black minerals) zones <= 1m			
		156.2 - 161.9	Pervasive Strong Silicification	Patchy Weak Sericitisation	Patchy Weak K-feldspar	possible k-spar = pink-red colouration of plag
		161.9 - 162.9	Patchy Strong Sericitisation	Pervasive Moderate Clay	Patchy Weak Epidote	ser yellow-green, but some instances of darker green = epidote
		162.9 - 167.3	Pervasive Strong Silicification	Patchy Weak Sericitisation	Patchy Weak K-feldspar	possible k-spar = pink-red colouration of plag
		167.3 - 167.6	Patchy Strong Sericitisation	Pervasive Strong Silicification	Patchy Weak Epidote	ser yellow-green, but some instances of darker green = epidote
		167.6 - 174.0	Pervasive Strong Silicification	Patchy Weak Sericitisation	Patchy Weak K-feldspar	possible k-spar = pink-red colouration of plag
		174.0 - 174.1	Patchy Strong Sericitisation	Pervasive Strong Silicification	Patchy Weak Epidote	ser yellow-green, but some instances of darker green = epidote
		174.1 - 175.3	Pervasive Strong Silicification	Patchy Moderate Sericitisation	Patchy Weak K-feldspar	possible k-spar = pink-red colouration of plag
		175.3 - 176.9	Patchy Strong Sericitisation	Pervasive Strong Silicification	Patchy Weak Epidote	ser yellow-green, but some instances of darker green = epidote
		176.9 - 178.6	Pervasive Strong Silicification	Patchy Weak Sericitisation	Patchy Weak K-feldspar	possible k-spar = pink-red colouration of plag
		178.6 - 179.2	Patchy Strong Sericitisation	Pervasive Strong Silicification	Patchy Weak Epidote	ser yellow-green, but some instances of darker green = epidote
179.2 - 180.7	GG	cgrn	clay altered zone with orange stain			
		179.2 - 180.7	Pervasive Moderate Clay			
180.7 - 195.4	GG	cgrn	fresh looking granite with alternating zones of perv sil with weak-mod interstitial ser zones (+/- pink red stain in plag = k-spar alt > hem?) & mod-strong interstitial ser (greenish-yellow) alt of mafics (i.e. weak-no black minerals) zones <= 1m			
		180.7 - 184.2	Patchy Strong Sericitisation	Pervasive Strong Silicification	Patchy Weak Clay	
		184.2 - 195.4	Pervasive Strong Silicification	Patchy Moderate Sericitisation	Patchy Weak K-feldspar	red dots = k-spar or Hem?
195.4 - 200.0	GG	cgrn	granite with altered mafics - no black minerals			
		195.4 - 200.0	Pervasive Strong Silicification	Patchy Moderate Sericitisation	Patchy Weak Clay	mafic altered - no black minerals

Drill Log: CFD0383

Easting	579728.16	Hole Length	203m	Prospect	Kona	Drill Started	Jul 30, 2014	Comment	Infill drilling for 2011 RC campaign, delineate zone & structural data
Northing	6973012.33	Azimuth	0°	Target	Kona infill	Drill Completed	Jul 31, 2014		
Projection	UTM7-NAD83	Dip	-50°	Geologist	CDavis	Core Size	NQ2		
Survey method	RTK GPS	Elevation	1264.85mASL						

Litholoav and Alteration

Interval	Lith	Texture	Deformation	Comments
0.0 - 4.2	OVb			
4.2 - 15.9	GG	cgrn		massive, variable orange stain none-strong, var clay weak-none, weill sil, var weak patchy ser (pale green)
		4.2 - 15.9	Pervasive Strong Silicification	
15.9 - 16.9	YO	bxi		weak fault, weak breccia, mod parallel hairline frac 40-60CA, weak-mod perv clay, orange stain
		15.9 - 16.9	Fracture Controlled Moderate Clay	
16.9 - 33.3	GG	cgrn		massive, alternating none-orange & frac controlled lim+hem (brown) (=MnO2?)
		16.9 - 33.3	Pervasive Strong Silicification	
33.3 - 33.8	YO	bxi		maybe grain size change with alt overprint, but has brecciated look
		33.3 - 33.8	Pervasive Strong Silicification	
33.8 - 39.8	GG	cgrn		mod perv clay altered with lim staining
		33.8 - 39.8	Replaces Felsics Moderate Clay	
39.8 - 57.0	GG	cgrn		massive, coarse, var orange stain, clear mafics, 45.60-45.80m fine-med grain section needle-lath black amphiboles
		39.8 - 57.0	Pervasive Strong Silicification	
57.0 - 63.4	GG	cgrn		massive, mafics altered - bleached/ser/clay, some strong clay alt zone (57.10-57.30m), var lim spotty stain
		57.0 - 63.4	Pervasive Moderate Silicification	Replaces Mafics Strong Sericitisation
				Patchy Moderate Clay mafics altered - replaced, plag altered to clay
63.4 - 64.7	YO	bxm		framework supported subang clasts, 64.0-64.1m grey qz vein with subang-subround white bx frags <=1cm 50CA, clay altered contacts = crumbly
		63.4 - 64.7	Pervasive Strong Silicification	Fracture Controlled Strong Clay
				strong clay at contacts
64.7 - 68.0	GG	cgrn		massive, mafics altered - bleached/ser/clay, some strong clay alt zone (57.10-57.30m), var lim spotty stain
		64.7 - 68.0	Pervasive Moderate Silicification	Replaces Mafics Strong Sericitisation
				Patchy Moderate Clay mafics altered - replaced, plag altered to clay
68.0 - 68.7	YO	bxm		framework supported subang clasts, includes 10cm sil zone/grey quartz vein with 2%diss sooty py specks 50CA, clay altered upper contacts = crumbly, sharp contacts
		68.0 - 68.7	Pervasive Strong Silicification	Fracture Controlled Strong Clay
				strong clay alt upper contact
68.7 - 72.0	GG	cgrn		massive, mafics altered - bleached/ser/clay, some strong clay alt zone (57.10-57.30m), var lim spotty stain
		68.7 - 72.0	Pervasive Moderate Silicification	Replaces Mafics Strong Sericitisation
				Patchy Moderate Clay mafics altered - replaced, plag altered to clay
72.0 - 83.5	IV	mass		altered mafic dyke, massive, weak porphyritic, dark matrix with opaque white phenos <=3mm, strongly altered, var colour dark grey, beige & orange stain, mod frac, common closed hairline fracs var carb filled thickens with depth, bottom strongly ox perv orange, bottom contact brecciated & blocky, sharp upper contact, greyer zones = sooty (py?), 80.00-83.47 weakly vuggy
		72.0 - 79.5	Pervasive Moderate Sericitisation	Fracture Controlled Moderate Clay
		79.5 - 83.5	Pervasive Strong Sericitisation	Fracture Controlled Weak Clay
				Fracture Controlled Moderate Calcite
83.5 - 86.5	GG	cgrn		strongly clay altered granite, with heavy limonite staining, upper portion pseudo bx texture
		83.5 - 86.5	Pervasive Strong Clay	

86.5 - 90.1	IV	mass	altered mafic dyke, massive, weak porphyritic, dark matrix with opaque white phenos <=3mm, strongly altered, var colour dark grey with orange stain var tree ring sing pattern, mod-stong frac, top strongly ox perv orange, top contact brecciated & blocky, lower contact clay altered, sharp contacts			
		86.5 - 90.1	Pervasive Moderate Clay			
90.1 - 93.7	GG	cgrn	strongly clay altered granite, with heavy limonite staining below 91m			
		90.1 - 93.7	Pervasive Strong Clay			
93.7 - 98.5	IV	mass	altered mafic dyke, massive, weak porphyritic, dark matrix with opaque white phenos <=3mm, strongly altered, var colour dark grey with orange stain var tree ring sing pattern, mod-stong frac, top strongly ox perv orange, top contact brecciated & blocky, lower contact clay altered, sharp contacts			
		93.7 - 98.5	Pervasive Moderate Clay			
98.5 - 105.0	GG	cgrn	strongly clay altered granite, with heavy limonite staining, 98.4-100m 3% Mno2 blebs <=3cm overlaps upper contact, Mn-zone lower contact demarked by 20cm clay alt zone with weak-no lim staining			
		98.5 - 105.0	Pervasive Strong Clay			
105.0 - 118.6	GG	cgrn	massive, var clay alt weak-mod, stronger clay=stronger lim staining, alternating zones 1-2m, 117.07-117.30m fol zone 30CA possible altered mafic dyklet = fine grain +/- weak bx			
		105.0 - 113.6	Pervasive Moderate Clay	Patchy Weak Sericitisation	Pervasive Moderate Silicification	alternating 1-2m zones of lim stained mod perv clay alt and mc with patch ser zones
		113.6 - 116.1	Pervasive Strong Clay			
		116.1 - 117.3	Pervasive Moderate Clay			
		117.3 - 118.6	Pervasive Strong Clay			
118.6 - 144.0	GG	cgrn	massive, weak frac controlled clay alt all angles including several 10-20CA, commonly rust stained, mod rust staining, patchy ser after felsics, mafics continue (bt & amph), includes pink feldspars (alt?)			
		118.6 - 126.5	Pervasive Strong Silicification	Patchy Weak Sericitisation	Fracture Controlled Weak Clay	
		126.5 - 128.3	Pervasive Strong Silicification	Patchy Weak Sericitisation	Fracture Controlled Moderate Clay	
		128.3 - 135.1	Pervasive Strong Silicification	Patchy Weak Sericitisation	Fracture Controlled Weak Clay	
		135.1 - 136.1	Pervasive Strong Silicification	Patchy Weak Sericitisation	Fracture Controlled Moderate Clay	
		136.1 - 141.7	Pervasive Strong Silicification	Patchy Weak Sericitisation	Fracture Controlled Weak Clay	
		141.7 - 144.0	Pervasive Strong Silicification	Patchy Weak Sericitisation	Fracture Controlled Moderate Clay	clay alteration along low angle frac s 10CA, rust stain
144.0 - 148.0	GG	cgrn	massive, increased to mod-strong patchy ser (med yellow green) after felsics & mafics (decreased black mineral content), qz light grey versus darker below, weak-no rust staining, weak frac-controlled clay alt			
		144.0 - 148.0	Pervasive Moderate Silicification	Patchy Strong Sericitisation	Patchy Weak Clay	
148.0 - 153.9	GG	cgrn	massive, weak frac clay, mod patchy ser (blue green), black mafics weak (bt> amph), qz med grey versus light grey above 0.5% diss hem spots (red stains <3mm)			
		148.0 - 153.9	Pervasive Strong Silicification	Patchy Moderate Sericitisation	Patchy Weak K-feldspar	k-spar original? Alt?
153.9 - 158.0	GG	cgrn	massive, weak-no frac clay (strongest 156.30-156.70m), weak patchy clay after felsics in centre, med green ser, trace mafics, spotty red hem staining continues, feldspars altered to ser (greener) & minor clay (whiter)			
		153.9 - 158.0	Pervasive Moderate Silicification	Patchy Strong Sericitisation	Patchy Moderate Clay	
158.0 - 169.7	GG	cgrn	massive, weak-no frac clay, qz darkens, feldspars pinker with mod ser alt (green), mafics <3%, red spotty (+/- frac) hem staining continues to 160.30m, 160.30-161.20m zone of increase patchy clay alt after feldspars & lighter green ser after feldspars			
		158.0 - 160.3	Pervasive Strong Silicification	Patchy Weak Sericitisation	Patchy Weak K-feldspar	k-spar original? Alt?, light yellow small specks <2mm = ser?
		160.3 - 161.2	Pervasive Moderate Silicification	Patchy Strong Sericitisation	Patchy Moderate Clay	
		161.2 - 169.7	Pervasive Strong Silicification	Patchy Weak Sericitisation	Patchy Weak K-feldspar	k-spar original? Alt?
169.7 - 173.0	GG	cgrn	massive, patchy clay alt after feldspars & lighter green ser after feldspars, contacts gradual, bottom contact low angle 10CA			
		169.7 - 173.0	Pervasive Strong Silicification	Patchy Strong Sericitisation	Patchy Moderate Clay	
173.0 - 177.3	GG	cgrn	massive, weak-no frac clay, qz darkens, feldspars pinker with mod ser alt (green), mafics <3%			
		173.0 - 177.3	Pervasive Strong Silicification	Patchy Weak Sericitisation	Patchy Weak K-feldspar	k-spar original? Alt?
177.3 - 179.4	GG	cgrn	massive, patchy clay alt after feldspars & lighter green ser after feldspars, contacts gradual, minor strong clay alt along low angle frac 0-5CA			
		177.3 - 179.4	Patchy Moderate Clay	Fracture Controlled Strong Clay	Patchy Moderate Sericitisation	

179.4 - 187.2	GG	cgrn	massive, weak-no frac clay, qz darkens, feldspars pinker with mod ser alt (green), mafics <3%, trace spotty red hem stain			
		179.4 - 187.2	Pervasive Strong Silicification	Patchy Weak Sericitisation	Patchy Weak K-feldspar	k-spar original? Alt?
187.2 - 190.8	GG	bxi	massive with mod breccia, mod-strong patchy clay alt after feldspars & lighter green ser after feldspars, contacts gradual, increased parallel fracturing with chlorite infill 30CA hairline to <2cm			
		187.2 - 190.8	Fracture Controlled Moderate Chlorite	Patchy Moderate Clay	Patchy Strong Sericitisation	chlorite veinlets-stringers set
190.8 - 197.0	GG	cgrn	massive, weak-no frac clay, qz darkens, feldspars pinker with mod ser alt (green), mafics <3%, weak red spotty (+/- frac) hem staining returns			
		190.8 - 197.0	Pervasive Strong Silicification	Patchy Weak Sericitisation	Patchy Weak K-feldspar	k-spar original? Alt?
197.0 - 198.5	GG	cgrn	massive with mod breccia, mod-strong patchy clay alt after feldspars & lighter green ser after feldspars, although pink feldspar continue, centred of zone mod-strong frac clay on frac 30-40CA, contacts gradual,			
		197.0 - 198.5	Patchy Moderate Clay	Fracture Controlled Strong Clay	Patchy Moderate Sericitisation	
198.5 - 203.0	GG	cgrn	massive, weak-no frac clay, qz darkens, feldspars pinker with mod ser alt (green), mafics <3%, weak red spotty (+/- frac) hem staining			
		198.5 - 203.0	Pervasive Strong Silicification	Patchy Weak Sericitisation	Patchy Weak K-feldspar	k-spar original? Alt?

Drill Log: CFD0384

Easting	583299.84	Hole Length	134m	Prospect	Latte North	Drill Started	Jul 31, 2014	Comment	First hole of 2014 for 37-5
Northing	6973423.25	Azimuth	0°	Target	Latte North	Drill Completed	Aug 01, 2014		
Projection	UTM7-NAD83	Dip	-50°	Geologist	PJohansson	Core Size	NQ2		
Survey method	RTK GPS	Elevation	1126.95mASL						

Litholoav and Alteration

Interval	Lith	Texture	Deformation	Comments
0.0 - 3.5	OVB			Overburden, oxidized and brecciated limonitic schistose rubble
3.5 - 4.9	Yx	bxi		Zone. Partly crackle brecciated biotite schist, brecciation defined by stockwork of qtz-calcite stringers. Strong sericite, weak silicification, weak pervasive clay. 1.5% diss limonite.
		3.5 - 4.9	Pervasive Strong Sericitisation	Patchy Weak Silicification Pervasive Weak Clay
4.9 - 35.0	BtS_carb	lamn	Fol-mod	Biotite schist with frequent white to pink carbonate bands along foliation up to 3 cm wide. Moderate multi-directional calcite veining in stringers, localized vuggy texture after feldspar clay alteration. Weak pathcy epidote and chlorite. 0.25%patchy limonite, 0.1% fc hematite.
		4.9 - 35.0	Patchy Weak Epidote	Replaces Mafics Weak Chlorite Replaces Felsics Weak Clay
35.0 - 41.0	BtS_carb	lamn	Fol-mod	Biotite schist with bands of white carbonate along foliation, localized muscovite replacing biotite. Frequent cross-cutting calcite stringers and veinlets, locally defining weak crackle brecciation. Patchy moderate sericite, weak chlorite and epidote. 0.1% lim and hem bleeding out of fractures/stringers/veinlets. Anomalous As in limonitic calcite-limonite veining (As-by-XRF 1856 ppm at 36 m, 324 ppm at 36 m). 0.1% belbby brassy pyrite.
		35.0 - 41.0	Patchy Moderate Sericitisation	Replaces Mafics Weak Chlorite Patchy Weak Epidote
41.0 - 51.6	BtS_carb	lamn	Fol-mod	Zone. Biotite-carbonate schist with localized weak crackle brecciation defined by calcite-lim stringer stockwork. Short intervals with thin lenses of limonite-carbonate matrix supported breccia with rounded up to 5 mm clasts of HU (42.28-42.7m, 44.2-44.50). Strong sericite, weak patchy silicification, patchy moderate clay in short intervals of rubble. 2% diss limonite, 0.5% diss hematite. Short unoxidized windows.
		41.0 - 51.6	Pervasive Strong Sericitisation	Patchy Weak Silicification Patchy Moderate Clay
51.6 - 53.5	BtS_carb	lamn	Fol-mod	Biotite schist with muscovite partly replaing biotite along foliation, minor carbonate stringers along foliation. Weak sericite, weak pervasive clay. 0.5% disseminnted limonite.
		51.6 - 53.6	Pervasive Weak Sericitisation	Pervasive Weak Clay
53.5 - 62.3	BtS_carb	lamn	Fol-mod	Zone. Biotite schist/muscovite schist with rare thin bands of carbonate along foliation. Weak pervasive clay, moderate patchy sericite, weak patchy silicification. Shear zone at 54.2-54.75 m, distorted schistose fabric with weak crackle brecciation along calcite veining. Frequent hematitic fractures x-cutting foliation throughout unit. 0.75% patchy limonite, 1% hematite disseminated to fc. 95% oxide. Minor sooty pyrite in unoxidized windows at 54-55 m (0.1%).
		53.6 - 62.3	Pervasive Weak Clay	Patchy Moderate Sericitisation Patchy Weak Silicification
62.3 - 74.8	MsS	lamn	Fol-mod	Muscovite schist, rare carbonate bands along foliation. Moderate patchy sericite, weak patchy clay, 0.1% patchy limonite, 0.25% fc hematite.
		62.3 - 74.8	Pervasive Weak Clay	Pervasive Strong Sericitisation Patchy Weak Silicification
74.8 - 77.5	MsS	lamn	Fol-mod	Weak zone. Muscovite schist, moderately calcitic, weak pervasive clay, strong pervasive sericite, weak patchy silicification. 0.75% diss lim, 0.25% fc hem. 100% oxide.
		74.8 - 77.5	Patchy Moderate Calcite	Replaces Mafics Moderate Chlorite
77.5 - 87.2	MsS	lamn	Fol-mod	Muscovite schist, locally still biotite schist. Weak leucoxene, weak chlorite, patchy weak sericite. 0.1% fc lim and hem. 0.1% metamorphic cubic pyrite
		77.5 - 87.2	Patchy Weak Leucoxene	Patchy Weak Sericitisation Replaces Mafics Weak Chlorite
87.2 - 90.0	SZ	lamn	Crenul	Shear zone in moderately chloritized biotite schist, weak to moderate crenulations. Patchy moderate calcite around veining. 0.1% fc limonite, localized pink hematite alteration.
		87.2 - 90.0	Replaces Mafics Moderate Chlorite	Patchy Moderate Calcite
90.0 - 94.2	BtS_carb	lamn	Fol-mod	Biotite schist with frequent thin marble bands along foliation, localized pink K-feldspar. Moderate chlorite after mafics. Localized limonitic surrounding strong qtz-clacite veining at 93.8-94.15 m. 0.1% patchy limonite. 0.1% metamorphic cubic pyrite
		90.0 - 94.2	Replaces Mafics Moderate Chlorite	

94.2 - 103.5	BtS_carb	lamn	Fol-mod	Biotite schist with frequent thin carbonate bands along foliation, frequent low-angle calcite veining. Moderate chlorite after mafics, weak patchy epidote in bands along fabric. Trace lim. 0.1% metamorphic cubic pyrite	
		94.2 - 103.5	Replaces	Mafics Moderate Chlorite	Patchy Moderate Calcite
103.5 - 108.7	MBSLT	lamn	Fol-str	Contact zone between biotite schist and underlying metabasaltic unit. Short intervals of strongly silicified "injected" schistose rocks into green metabasaltic rocks with frequent white speckled texture defined by weakly sigmoidal white (weakly calcitic) banding along fabric. Strong patchy silicification, moderate patchy sericite, weak chlorite after mafics. Short silica-sericite and brecciated interval at 104.6-105 m with disseminated sulphides (1% sooty, 0.25% limonite), may represent contact between units. As-by-XRF 1068ppm at 102.7 m. 0.1% metamorphic cubic pyrite.	
		103.5 - 108.7	Patchy	Strong Silicification	Replaces Mafics Weak Chlorite Patchy Moderate Sericitisation
108.7 - 134.0	MBSLT	lamn	Fol-str	Metabasalt with frequent sigmoidal weakly calcitic banding along foliation. Increasing low-angle qtz-calcite veining towards end of unit. Moderate patchy chlorite after mafics, weak patchy epidote, weak patchy calcite (veining and along foliation). 0.01% fc limonite, 0.01% brown to red fc hematite. 0.1% metamorphic cubic to blebby metamorphic brassy pyrite along fabric.	
		108.7 - 134.0	Patchy	Moderate Chlorite	Patchy Weak Epidote Pervasive Weak Calcite

Drill Log: CFD0385

Easting	579779.94	Hole Length	200.4m	Prospect	Kona	Drill Started	Aug 01, 2014	Comment	Infill drilling for 2011 RC campaign, delineate zone & structural data
Northing	6973030.45	Azimuth	0°	Target		Drill Completed	Aug 02, 2014		
Projection	UTM7-NAD83	Dip	-50°	Geologist	CDavis	Core Size	NQ2		
Survey method	RTK GPS	Elevation	1256.17mASL						

Litholoav and Alteration

Interval	Lith	Texture	Deformation	Comments
0.0 - 3.6	OVB			
3.6 - 48.5	GG	cgrn		Massive, pink granite (5-10% ox - frac control >> diss). Weak frac clay (7.8m 21.80, 25.00m), weak sericite, localized weak silicification. 0.1% fc lim and hem. <0.5% disseminated dark sulphides replacing biotite.
		3.6 - 21.8	Patchy Weak Clay	Fracture Controlled Weak Clay
		21.8 - 21.9	Fracture Controlled Strong Clay	
		21.9 - 48.5	Patchy Weak Clay	Fracture Controlled Weak Clay
48.5 - 59.8	GG	cgrn		Massive, pink granite (5-10% ox - frac control >> diss). Weak-mod frac clay increased from previous, weak sericite, 0.1% fc lim and hem. <0.5% disseminated dark sulphides replacing biotite, 52.60-52.80 strong lcaly altered foliated 40CA & rusty zone
		48.5 - 50.8	Patchy Moderate Clay	
		50.8 - 51.2	Pervasive Intense Clay	
		51.2 - 59.8	Patchy Moderate Clay	
59.8 - 62.0	GG	cgrn		Zone. Massive to mod brecciated altered granite +/- mafic dyke. 10% ox. Bleached interval with weak patchy sericite, strong patchy sil, moderate-strong white clay after feldspars, localized strong clay, 60.33-60.39m 5cm grey dyklet (alt mafic?) 40CA, 60.39- 61.00m strong perv bleach & clay alt very crumbly, 0.5% disseminated fg sooty pyrite, 0.1% patchy lim and hem.
		59.8 - 60.4	Pervasive Moderate Clay	
		60.4 - 61.0	Pervasive Intense Clay	
		61.0 - 62.0	Pervasive Moderate Clay	
62.0 - 68.3	GG	cgrn		Massive, grey with pink granite (5-10% ox - frac control >> diss). Weak-mod frac clay increased from previous, weak sericite, 0.1% fc lim and hem. <0.5% disseminated dark sulphides replacing biotite.
		62.0 - 68.3	Patchy Moderate Clay	
68.3 - 72.5	GG	cgrn		Zone. Massive to weakly brecciated altered granite. 5% ox. Bleached interval with weak patchy sericite, strong patchy sil, moderate-strong white clay after feldspars, 0.5% disseminated fg sooty pyrite, 0.1% patchy lim and hem.
		68.3 - 72.5	Pervasive Strong Clay	
72.5 - 76.8	GG	cgrn		Massive, grey with pink granite (5-10% ox - frac control >> diss). Weak-mod frac clay increased from previous, weak sericite, 0.1% fc lim and hem. <0.5% disseminated dark sulphides replacing biotite.
		72.5 - 76.8	Patchy Moderate Clay	
76.8 - 82.7	GG	cgrn		Zone. Massive to mod brecciated altered granite +/- mafic dyke. 5% ox. Bleached interval with weak patchy sericite, strong patchy sil, moderate-strong white clay after feldspars, 0.5% disseminated fg sooty pyrite, 0.1% patchy lim and hem.
		76.8 - 82.7	Pervasive Strong Clay	
82.7 - 87.0	GG	bx		Zone. Mix alt granite (86.15-86.60m), brecciated granite (82.50-83.50m, 83.65-84.90m, 85.40-86.15m, 86.60-87.00m) & mafic dyke (83.50-83.65m, 84.90-85.40m). 15% ox. Bleached interval with weak patchy sericite, strong patchy sil, moderate-strong white clay after feldspars, localized strong clay in brecciated veins. 0.5% disseminated fg sooty pyrite, 0.1% patchy lim and hem. 85.00-85.05m sooty band 80CA in mafic dyklet
		82.7 - 87.0	Pervasive Intense Clay	
87.0 - 89.9	GG	cgrn		Zone? Massive granite, trace ox, strong patchy sericite after feldspars, weak-mod patch clay after feldspars, var sooty/dark grey interstices (88.85-89.45m)
		87.0 - 89.9	Patchy Strong Clay	Patchy Moderate Sericitisation

89.9 - 97.1	GG	cgrn	Massive granite, pink k-spar continues - weakening, mod patchy sericite after feldspars, minor pink colouration = k-spar alt of plag?, var weak clay after feldspars, 5% frac limonte common			
		89.9 - 97.1	Patchy Moderate Sericitisation	Patchy Weak Clay		
97.1 - 101.8	GG	cgrn	Granite, massive, (15% ox - frac control), mod-strong patchy clay after feldspar, weak frac clay, weak patchy sericite, 0.1% fc lim and hem. <0.5% disseminated dark sulphides replacing biotite.			
		97.1 - 101.8	Patchy Strong Clay	Pervasive Weak Clay	Patchy Weak Sericitisation	
101.8 - 102.8	GG	cgrn	Granite, massive, mod patchy sericite after feldspars, minor pink colouration = k-spar alt of plag?, var weak clay after feldspars, 5% frac ox frac			
		101.8 - 102.8	Patchy Moderate Sericitisation	Patchy Weak Clay		
102.8 - 106.7	GG	cgrn	Granite, massive, (15% ox - frac > perv), strong patchy clay after feldspar, mod-strong frac clay, weak patchy sericite, 0.1% fc lim and hem. <0.5% disseminated dark sulphides replacing biotite.			
		102.8 - 106.7	Patchy Strong Clay	Fracture Controlled Moderate Clay	Patchy Weak Sericitisation	weak mafics
106.7 - 114.0	GG	bxi	Zone? Granite, altered, massive to weak breccia, lacks mafics, light green-grey, trace ox, strong patchy sericite after feldspars, weak-mod patch clay after feldspars, var sooty/dark grey interstices (108.75-108.80m) & frac fill, var pseudo-breccia texture (108.40-108.90m), 108.80-108.82 grey qz veinlet with white clasts			
		106.7 - 114.0	Patchy Strong Clay	Patchy Moderate Sericitisation		no mafics - altered
114.0 - 115.7	GG	cgrn	Granite, altered, transtional zone, massive, lacks mafics, crystal boundaries unclear, light green-grey, trace ox, strong patchy ser after feldspars, weak-mod patchy clay after feldspars (& mafics?), weak sooty frac fill,			
		114.0 - 115.7	Pervasive Moderate Silicification	Patchy Moderate Sericitisation	Fracture Controlled Weak Clay	no mafics - altered
115.7 - 118.4	GG	cgrn	Granite, altered, transtional zone, massive, lacks mafics, clear crystal boundaries, dark green-grey, trace ox, strong patchy ser after feldspars, weak-mod patchy clay after feldspars(& mafics?), weak sooty frac fill, 116.55-116.85m several red-stained (hem?) fracs			
		115.7 - 118.4	Patchy Moderate Sericitisation	Replaces Felsics Weak Clay	Pervasive Moderate Silicification	increasing mafics
118.4 - 124.9	GG	cgrn	Granite, massive, dark grey, mod-strong perv sil, mod-strong patchy sericite after feldspars, minor pink colouration = k-spar alt of plag?, weak-no clay after feldspars, 5% frac ox frac			
		118.4 - 124.9	Pervasive Strong Silicification	Patchy Moderate Sericitisation		good mafic, some pink - original or k-spar alt?
124.9 - 129.5	GG	cgrn	Granite, massive, light grey, mod patchy sericite after feldspars, mod clay after feldspars, minor pink colouration = k-spar alt of plag?, 5% frac ox frac, 127.5-128.0 hairline/stringer set hem filled (red) 40CA			
		124.9 - 129.5	Pervasive Strong Silicification	Patchy Strong Sericitisation	Replaces Felsics Moderate Clay	alternating light green (more clay alt but hard) & dark green (n clay alt)
129.5 - 132.0	GG	cgrn	Granite, massive, creamy, weak-no patchy ser after feldspar, mod-strong patchy clay after feldspar (+/- albite? White), var weak perv clay, minor frac rusty clay seams			
		129.5 - 132.0	Pervasive Moderate Clay	Replaces Felsics Strong Clay	Patchy Moderate Sericitisation	
132.0 - 135.6	GG	cgrn	Granite, massive, dark grey, mod-strong perv sil, mod-strong patchy sericite after feldspars, minor pink colouration = k-spar alt of plag?, weak-no clay after feldspars, 5% frac ox frac			
		132.0 - 135.6	Pervasive Strong Silicification	Strong Sericitisation		weak pink k-spar, original or alt?
135.6 - 138.7	IV	fgrn	mafic dyke, massive, dark gey-black, fine grain, weak-no alt, hairline fracs +/- clay 30CA			
		135.6 - 138.7	Pervasive Weak Silicification			unaltered mafic dyke
138.7 - 139.8	GG	cgrn	Granite, massive, strong pink colouration = , very weak patchy sericite after feldspars, 1% weak frac limonte			
		138.7 - 139.8	Pervasive Strong Silicification			strong pink k-spar, original or alt?
139.8 - 143.6	IV	fgrn	mafic dyke, massive, dark grey-black, fine grain, weak-no alt, hairline fracs +/- clay 30CA, bottom 50cm +/- bleached = chill?			
		139.8 - 143.6	Pervasive Weak Silicification			unaltered mafic dyke except bottom 50cm - bleached = chill/
143.6 - 144.6	GG	cgrn	Granite, massive, light green, mod-strong patchy ser after feldspar, mod perv sil, weak-mod patchy clay after feldspars, no ox			
		143.6 - 144.6	Replaces Mafics Moderate Clay	Patchy Strong Sericitisation	Pervasive Moderate Silicification	
144.6 - 163.5	GG	cgrn	Granite, massive, dark grey & pink (k-spar alt of plag?), weak-mod patchy ser, mod-strong perv sil, no ox			
		144.6 - 163.5	Pervasive Strong Silicification	Patchy Weak Sericitisation		relatively fresh granite, pink k-spar, original or alt?

163.5 - 165.0	GG	cgrn	Granite, massive, light grey & green, weak pink (k-spar alt of plag?), mod patchy ser, mod patchy cly (albite?) , mod-strong perv sil, no ox			
		163.5 - 165.0	Patchy Strong Clay	Patchy Moderate Sericitisation	Pervasive Moderate Silicification	
165.0 - 169.4	GG	cgrn	Granite, massive, dark grey & pink (k-spar alt of plag?), weak-mod patchy ser, mod-strong perv sil, no ox			
		165.0 - 169.4	Pervasive Strong Silicification	Patchy Moderate Sericitisation	relatively fresh granite, pink k-spar, original or alt?	
169.4 - 173.5	GG	cgrn	Granite, massive, dark grey & pink (k-spar alt of plag?), weak patchy ser, mod-strong perv sil, no ox			
		169.4 - 173.5	Pervasive Strong Silicification	Patchy Weak Sericitisation	relatively fresh granite, pink k-spar, original or alt?	
173.5 - 176.0	GG	cgrn	Granite, massive, pink (k-spar alt of plag?) & dark grey, k-spar increases, weak-mod patchy ser, mod-strong perv sil, no ox			
		173.5 - 176.0	Pervasive Strong Silicification	Patchy Moderate Sericitisation	Patchy Strong K-feldspar	relatively fresh granite, very strong pink k-spar, original or alt?
176.0 - 181.3	GG	cgrn	Granite, massive, dark grey & pink (k-spar alt of plag?), k-spar decreased, weak patchy ser, mod-strong perv sil, weak red hem spotting			
		176.0 - 181.3	Pervasive Strong Silicification	Patchy Strong Sericitisation	Patchy Strong K-feldspar	relatively fresh granite, pink k-spar, original or alt?
181.3 - 182.0	GG	cgrn	Granite, altered, med green, strong patch-perv ser, weak-mod intersitital clay, strong perv sil,			
		181.3 - 182.0	Pervasive Strong Silicification	Patchy Strong Sericitisation	Patchy Weak Clay	relatively fresh granite, pink k-spar, original or alt?
182.0 - 183.1	GG	cgrn	Granite, massive, dark grey & pink (k-spar alt of plag?), mod patchy ser, mod-strong perv sil, weak red hem spotting			
		182.0 - 183.1	Pervasive Strong Silicification	Patchy Strong Sericitisation	Patchy Weak Clay	relatively fresh granite, pink k-spar, original or alt?
183.1 - 186.1	GG	cgrn	Zone? Granite, altered, med-light green, strongest alteration in centre, strong patch-perv ser (light pastel green = some scorodite?), weak-mod intersitital clay, strong perv sil, 184.65-184.75m sooty frags, 184.75-185.00m 5% interstitial lim			
		183.1 - 186.1	Patchy Strong Sericitisation	Patchy Strong Clay	Pervasive Strong Silicification	weak mineralization, lacks mafics - altered
186.1 - 200.4	GG	cgrn	Granite, massive, dark grey & pink (k-spar alt of plag?), mod patchy ser, mod-strong perv sil, weak red hem spotting, 194.40-194.85m weak brecciation spriderwork frags 40CA with fine diss yellow specks (different ser?), redder well sil (hem vs k-spar?), weaker ser in final 40cm			
		186.1 - 200.4	Pervasive Strong Silicification	Patchy Moderate Sericitisation	relatively fresh granite, pink k-spar, original or alt?	

Drill Log: CFD0386

Easting	583251.09	Hole Length	161m	Prospect	Latte North	Drill Started	Aug 01, 2014	Comment
Northing	6973390.15	Azimuth	0°	Target	Latte North	Drill Completed	Aug 02, 2014	
Projection	UTM7-NAD83	Dip	-50°	Geologist	PJohansson	Core Size	NQ2	
Survey method	RTK GPS	Elevation	1122.33mASL					

Lithology and Alteration

Interval	Lith	Texture	Deformation	Comments
0.0 - 4.0	OVB			overburden
4.0 - 63.5	BtS_carb	lamn	Fol-str	Light grey, brownish grey, strongly foliated, biotite muscovite schist with common 1-10cm carbonate zones.
		4.0 - 63.5	Patchy Weak Sericitisation	
63.5 - 64.9	BtS_carb	lamn	Fol-mod	Light grey, strongly foliated, moderate to strongly sericite altered biotite schist.
		63.5 - 64.9	Pervasive Moderate Sericitisation	
64.9 - 66.3	BtS_carb	bxi		Brown, moderately foliated, moderately limonite altered, with 1% sooty pyrite.
		64.9 - 66.3	Pervasive Moderate Sericitisation	
66.3 - 83.0	MsS	lamn	Fol-str	Light to medium grey, fine to medium grained, strongly foliated, muscovite-biotite schist. Increasing sericite alteration down hole.
		80.7 - 83.0	Pervasive Moderate Sericitisation	
83.0 - 84.2	MsS	bxi	Fol-mod	Light brown, moderately limonite altered, muscovite schist.
		83.0 - 84.2	Pervasive Strong Sericitisation	Patchy Moderate Silicification
84.2 - 102.8	MsS	lamn	Fol-mod	Light grey, fine to medium grained, weakly altered, muscovite, biotite schist.
102.8 - 105.0	MsS	lamn	Fol-mod	Light grey to brownish grey, weakly altered, muscovite schist. Alteration is weak, patchy limonite+silica alteration around fractures.
		102.8 - 105.0	Pervasive Moderate Sericitisation	Fracture Controlled Moderate Silicification
105.0 - 110.8	MsS	bxi		Light grey and brown, fine to medium grained, well foliated, weakly brecciated, moderately limonite altered, muscovite schist.
		105.0 - 110.8	Pervasive Strong Sericitisation	Patchy Strong Silicification
110.8 - 129.6	BtS_carb	lamn	Fol-mod	Medium to dark green, fine to medium grained, strongly foliated, biotite+chlorite schist.
		110.8 - 129.6	Pervasive Moderate Chlorite	
129.6 - 159.3	MBSLT	lamn	Fol-str	Medium green and light grey, mottled texture, medium to coarse grained, moderately to strongly foliated, metabasalt/metagabbro.
159.3 - 161.0	PB	mass	Fol-mod	Light grey-cream, moderately foliated marble unit. Upper contact at 20ca.

Drill Log: CFD0387

Easting	585052.28	Hole Length	260m	Prospect	Double Double	Drill Started	Aug 02, 2014	Comment
Northing	6973352.75	Azimuth	180°	Target		Drill Completed	Aug 05, 2014	
Projection	UTM7-NAD83	Dip	-50°	Geologist	CDavis	Core Size	NQ2	
Survey method	RTK GPS	Elevation	1112.48mASL					

Litholoav and Alteration

Interval	Lith	Texture	Deformation	Comments
0.0 - 12.0	OVb			Schistose and gneissic rubble
12.0 - 49.8	MxM	band		Muscovite/biotite schist with intervening intervals of red stained hematitic felsic gneiss. Weak patchy chlorite after mafics, 0.1% hematite in fractures and frequent red stained cubic pyrite.
		12.0 - 49.8	Pervasive Moderate Silicification	Pervasive Weak Chlorite
49.8 - 53.0	BtS	lamn	Fol-str	Mod chlorite and epidote altered biotite schist with mod patchy sil. Weak shear structures. Frequent low-angle qtz veining. 0.1% frac hematite and red stained cubic pyrite. Rubble zone in last 40 cm.
		49.8 - 53.0	Pervasive Strong Chlorite	Pervasive Moderate Epidote Fracture Controlled Weak Clay
53.0 - 76.9	MxM	band		Mod chlorite altered biotite schist, weak patchy epidote. 0.1% fg brassy metamorphic pyrite along foliation, trace frac lim.
		53.0 - 76.9	Pervasive Moderate Silicification	Pervasive Weak Chlorite Patchy Weak Epidote
76.9 - 97.9	IV	phyr		Porphyritic intermediate dyke, up to 8 mm feldspar porphyroblasts, weakly foliated. Short intervals of rafted BtS near upper and lower contact.
		76.9 - 97.9	Pervasive Moderate Silicification	
97.9 - 104.0	BtS	lamn		Weakly chloritized BtS. 0.1% frac limonite.
		97.9 - 104.0	Pervasive Weak Chlorite	
104.0 - 107.5	BtS	bxi		Bleached biotite schist, weak shear structures, mod clay and epidote. 0.1% red hematite in fractures, low angle contacts, upper contact sharp & undulating 0-10CA, lower contact gradual change 30CA=-/
		104.0 - 107.3	Pervasive Moderate Chlorite	
		107.3 - 152.0	Patchy Moderate Chlorite	Patchy Moderate Silicification Fracture Controlled Moderate Calcite
107.5 - 152.0	BtS	band		Biotite schist with minor felsic gneiss content, weak muscovite along fol, wk to mod chlorite after mafics locally ass with rubble intervals, weak patchy epidote. 0.1% brassy cubic pyrite along foliation. Trace limonite, 0.1% red hematite (?) along fractures. Frequent thin carbonate bands and calcitic veining.
152.0 - 152.7	BtS	band		Weak zone through strongly clay-carbonate altered biotite schist, brecciated calcite veining at top contact at 10-15CA; strongly clay-hem-lim HU clasts in calcitic vein matrix. Rubble zone at 152.21-152.4m, possibly brecciated. Overall 0.5% patchy lim, 0.25% patchy hem. Strong effervescence
		152.0 - 152.7	Pervasive Moderate Chlorite	Pervasive Moderate Clay Fracture Controlled Moderate Calcite
152.7 - 154.2	BtS	lamn		Moderately chlorite altered biotite schist, strong effervescence, x-cutting calc-lim veining. 0.25% lim in veins.
		152.7 - 156.0	Pervasive Strong Clay	Fracture Controlled Moderate Calcite
154.2 - 156.0	HU	bxv		Strongly clay-carbonate altered HU unit, localized crackle brecciation defined by lim-carb stringers. Strong effervescence throughout. 1% diss lim, 0.5% diss hematite.
156.0 - 160.2	BtS	band		Weakly chloritized biotite schist, strong calcite veining/effervescence, 156.90-158.10m fg mafic dyke, strongly fractured, strongly calcitic
		156.0 - 160.2	Pervasive Strong Chlorite	Fracture Controlled Weak Calcite
160.2 - 162.1	HU	bxi		Mixe zone biotite schist with patchy strong silica-sericite, wk to mod clay. Localized short brecciated HU: strong clay-silica, bx calcitic vein. 1% patchy limonite, 0.25% fc hem bleeding out of fractures
		160.2 - 166.0	Patchy Strong Chlorite	Fracture Controlled Moderate Clay Fracture Controlled Moderate Calcite

162.1 - 163.7	BtS	band	Weakly chloritized biotite schist, strong calcite veining/effervescence, 163.45-163.70m interval of fg weakly porphyritic IV with 5cm halo strong limonitic-clay contacts 20CA.		
163.7 - 168.8	BtS	band	Transitional zone through biotite schist with patchy strong silica-sericite, wk to mod clay. Localized short brecciated HU166.45-167 m: strong clay-silica, bx calcitic vein. 1% patchy limonite, 0.25% frac hem bleeding out of fractures. Localized 0.5% diss sooty sulphides.		
		166.0 - 168.8	Pervasive Moderate Chlorite	Fracture Controlled Weak Clay	Fracture Controlled Weak Calcite
168.8 - 170.4	BtS	band	Biotite schist, mod leucoxene and weak chlorite, var friable.		
		168.8 - 170.4	Pervasive Strong Chlorite		
170.4 - 179.2	HU	bxm	Zone. Strongly to intensely silica-sericite-clay altered HU, silica overprint textures. Localized schistose textures visible. Frequent brecciated veins; silicified clay-lim matrix- supported, rounded sil-clay-lim-hem HU clasts. Localized rubble with strong clay. Frequent shear structures. 1-3% diss lim, up to 1% diss hem. 177.177.15m HCl rx		
		170.4 - 179.2	Pervasive Strong Sericitisation	Patchy Strong Silicification	Fracture Controlled Strong Clay
179.2 - 182.9	Amph	lamn	Amphibole-biotite schist. Clay alteration halo with 0.5% patchy lim down to 181 m, then moderate silicification masking schistose texture. Moderate effervescence in top of unit, mod leucoxene. 179.20-180.10m HCl rx= carb alt		
		179.2 - 180.1	Pervasive Strong Sericitisation	Patchy Moderate Silicification	Fracture Controlled Strong Clay
		180.1 - 182.9	Pervasive Moderate Silicification	Fracture Controlled Weak Clay	Replaces Mafics Weak Leucoxene
182.9 - 184.0	HU	bxm	Zone. Partly oxidized alteration shoulder above zone (AmphBtS?). Strong sil-ser, 0.5% diss sooty sulphides in unoxidized windows (40% ox). 0.25% frac lim.		
		182.9 - 184.0	Pervasive Strong Silicification	Pervasive Strong Sericitisation	
184.0 - 191.9	HU	bxi	Zone. 80% oxide. Strongly silica-sericite and clay altered HU, local visible schistose textures. Brx quartz veins. 2% diss lim, 0.25% frac hem, 0.25% diss sooty sulphides in unox windows.. Patchy weak carbonate.		
		184.0 - 196.0	Patchy Strong Silicification	Patchy Strong Sericitisation	Pervasive Weak Clay
191.9 - 201.3	BtS	lamn	Weak zone, 100% oxide. Patchy strong-silica-sericite (191.9-196 m), weak clay overprint. Mod to strong clay 196-201.25 m, brecciated clay-lim veins at 30 CA. 0.5-1% diss lim, 0.5% patchy hematite, 0.1% realgar along fractures (bright red = hem?). Slickensided fractures in lower half of unit.		
		196.0 - 201.3	Pervasive Moderate Clay	Pervasive Moderate Silicification	
201.3 - 203.1	HU	bxm	Intensely silica-sericite altered HU, local weak clay overprint, tan green to yellow in oxidized intervals. Dendritic manganese on fracs. Brecciation masked by silica-clay alteration, sub-ang HU sil clasts in sil-clay-lim matrix. 0.5% diss lim, 0.1% hem in stockwork veining, 0.1% patchy realgar. Moderate patchy effervesce begins at 202m with intense red frac fill (hem+/- realgar?)		
		201.3 - 203.1	Patchy Strong Silicification	Patchy Strong Sericitisation	Fracture Controlled Moderate Clay
203.1 - 214.5	HU	bxv	Zone. HU, 100% ox. Strong to intense silica-sericite, weak to mod clay overprint, mod per clay from 210.6 m. Local brecciation masked by sil-clay alteration; brecciation along low-angle to LCA parallel hem/realgar stockwork veining, to fine-stockwork of Fe-carb-lim. Mod effervesce throughout unit. 1.5% diss lim, 0.25% hem on fracs and in veins, 0.25% frac/vein controlled to locally diss realgar.		
		203.1 - 214.5	Patchy Strong Silicification	Patchy Strong Sericitisation	Fracture Controlled Moderate Clay
214.5 - 216.1	BtS	lamn	Zone, sulphide facies. Strong sil, mod ser, 1% sooty sulphides, diss and in qtz-sulphide veining defining weak Yx brecciation.		
		214.5 - 218.8	Patchy Strong Silicification	Patchy Strong Sericitisation	Fracture Controlled Weak Clay
216.1 - 218.8	BtS	lamn	Partly ox BtS, Strong patchy sil-ser, mod perv clay from 218.4 m. 0.25% patchy lim.		
218.8 - 219.8	HU	bxm	Zone. HU (weak schistose texture), strong perv silica, mod clay overprint, 1% diss lim.		
		218.8 - 219.8	Pervasive Strong Silicification	Fracture Controlled Weak Clay	
219.8 - 223.2	BtS	lamn	Biotite schist. Strong sil-clay bleaching, patchy strong ser. 0.25% frac lim, 0.1% frac hem.		
		219.8 - 223.2	Patchy Strong Silicification	Patchy Strong Sericitisation	Pervasive Moderate Clay
223.2 - 230.9	BtS	lamn	Biotite schist (?).Intense patchy silica-sericite, qtz-sulphide-sericite veining at 40-50CA, locally brecciated veins. (0.1% sooty sulphides)		
		223.2 - 230.9	Patchy Intense Silicification	Patchy Intense Sericitisation	
230.9 - 235.9	BtS	lamn	Biotite schist. Strong sil-clay bleaching, patchy strong ser. 0.25% frac lim, 0.1% frac hem. Frequent chalcedonic to porcelainic locally brecciated qtz veins at 30CA.		
		230.9 - 235.9	Pervasive Strong Silicification	Pervasive Moderate Clay	Patchy Strong Sericitisation
235.9 - 241.4	BtS	lamn	Biotite schist. Med-Coarse foliated 30CA. Hard. Dark grey green with reddish patches. Weak-mod chlorite. <<0.1% frac hem		
		235.9 - 241.4	Pervasive Moderate Silicification	Pervasive Moderate Chlorite	

241.4 - 245.6	BtS	lamn	Biotite schist. Strong sil-clay bleaching, patchy strong ser. 0.25% fc lim, 0.1% fc hem. Frequent chalcedonic to porcelainic locally brecciated qtz veins at 30TCA.			
		241.4 - 245.6	Pervasive Strong Silicification	Pervasive Moderate Clay	Patchy Strong Sericitisation	Frequent chalcedonic to porcelainic locally brecciated qtz veins 30TCA.
245.6 - 260.0	BtS	lamn	Biotite schist. Med-Coarse +/- porphyritic. foliated 30CA. Hard. Dark grey green with reddish patches. Weak-mod chlorite. 0.1% frac lim, 0.1% frac hem (frac hem stronger 249.64-260.00m EOH). 248.00-249.64m stronger perv reddish colour - intersitial red hem?			
		245.6 - 260.0	Pervasive Moderate Silicification	Moderate Chlorite		

Drill Log: CFD0388

Easting	583201.76	Hole Length	182m	Prospect	Latte North	Drill Started	Aug 02, 2014	Comment
Northing	6973340.47	Azimuth	0°	Target		Drill Completed	Aug 03, 2014	
Projection	UTM7-NAD83	Dip	-50°	Geologist	GDessureau	Core Size	NQ2	
Survey method	RTK GPS	Elevation	1116.14mASL					

Litholoav and Alteration

Interval	Lith	Texture	Deformation	Comments
0.0 - 3.0	OVb			Overburden - No Recovery
3.0 - 7.9	MsS		Fol-mod	Light brown, weak to moderately sericite, limonite altered, muscovite schist. Weak limonite alteration along fractures and in small (10cm) rubbly (possibly brecciated) zones with 2% limonite.
		3.0 - 7.9	Pervasive Moderate Sericitisation	
7.9 - 8.9	MsS	bx		Zone. Limonite altered, fault gouge with brecciation. Partially unconsolidated material. 0.25% Li
		7.9 - 8.9	Pervasive Moderate Sericitisation	
8.9 - 11.0	MsS		Fol-mod	Light brown, muscovite schist, with weak limonite alteration decreasing away from fault zone.
		8.9 - 11.0	Patchy Weak Sericitisation	
11.0 - 14.3	BtS_carb		Fol-mod	Light to medium grey, fine to medium grained biotite-muscovite schist with abundant (1-10cm) carbonate bands. Weak to moderate limonite alteration along fractures.
14.3 - 16.9	PB	mass		Light grey to cream, massive carbonate-rich marble. Weak limonite alteration along fractures.
16.9 - 97.7	BtS_carb		Fol-mod	Light to medium grey, fine to medium grained biotite (muscovite) schist with abundant (1-10cm) carbonate bands. Increasing patchy sericite alteration within 30 cm of lower contact.
		97.0 - 97.7	Patchy Weak Sericitisation	Patchy Weak Silicification
97.7 - 99.8	BtS_carb	bxi		Zone. Brown, moderately brecciated, strongly fractured, moderately sericite, silica, and limonite altered, biotite schist. 0.5% limonite, 0.5% hematite.
		97.7 - 99.8	Pervasive Moderate Sericitisation	Pervasive Moderate Clay
99.8 - 104.9	BtS_carb		Fol-mod	Light to medium grey, fine to medium grained, moderately foliated, biotite (muscovite) schist with common (1-10cm) carbonate bands.
		99.8 - 100.5	Patchy Weak Sericitisation	
		104.0 - 104.9	Pervasive Moderate Sericitisation	Patchy Weak Silicification
104.9 - 107.3	BtS_carb	bxi		Zone. Light brown, strongly sericite, silica, altered, and weakly limonite altered biotite (muscovite) schist. Strong silica alteration with grey, vuggy quartz veins. 0.25% limonite. Trace very fine realgar and orpiment crystals in vuggy quartz.
		104.9 - 107.3	Pervasive Strong Sericitisation	Pervasive Strong Silicification
107.3 - 146.7	BtS_carb		Fol-mod	Light to medium grey, fine to medium grained, moderately foliated, biotite (muscovite) schist with common (1-10cm) carbonate bands.
146.7 - 151.4	SZ		Fol-str	Green, grey, beige and white, with abundant tan coloration. Highly deformed, biotite, chlorite, quartz, carbonate shear zone. Weak oxidation.
		146.7 - 151.4	Pervasive Moderate Sericitisation	Patchy Weak Silicification
151.4 - 164.9	BtS_carb		Fol-mod	Light green, fine grained, well foliated chlorite, biotite schist.
164.9 - 182.0	MBSLT		Fol-mod	Light to medium green and light grey, fine to coarse grained metabasalt (chlorite schist) interlayered with a coarse grained, well foliated, metagabbro (feldspar, chlorite, biotite schist). E.O.H.

Drill Log: CFD0389

Easting	579826.61	Hole Length	116m	Prospect	Kona	Drill Started	Aug 03, 2014	Comment Infill drilling for 2011 RC campaign, delineate zone & structural data. Shut down at 116m. Out of block model, in dead rock.
Northing	6973069.07	Azimuth	0°	Target	Kona Infill	Drill Completed	Aug 04, 2014	
Projection	UTM7-NAD83	Dip	-50°	Geologist	Gdessureau	Core Size	NQ2	
Survey method	RTK GPS	Elevation	1246.29mASL					

Lithology and Alteration

Interval	Lith	Texture	Deformation	Comments			
0.0 - 3.3	OVb			Overburden, grainy pebbly sand			
3.3 - 7.0	GG	cgrn		coarse, massive, weak-mod ser patchy (after plag), very weak clay (after (plag), mod k-spar, mafics unaltered (amph>bt <=3mm, 5%), weak-mod frac oxide (dark orange) haloes <=5cm around fracs +/- 30 & 50CA			
		3.3 - 7.0	Pervasive Moderate Silicification	Replaces Felsics Weak Sericitisation	Replaces Felsics Weak Clay	weak-mod ser patchy (after plag), very weak clay (after (plag), mod k-spar, mafics unaltered (amph>bt <=3mm, 5%)	
7.0 - 7.2	GG	cgrn		granite, crumbly section, yellow orange oxide stain, 20-30cm margins with no ser and stronger clay alt after plag i.e. lighter colouring, gradually change to stronger ser alt after plag			
		7.0 - 7.2	Replaces Felsics Strong Clay			crumbly section, 20-30cm margins with no ser and stronger clay alt after plag i.e. lighter colouring, gradually change to stronger ser alt after plag	
7.2 - 21.0	GG	cgrn		coarse, massive, weak-very weak ser patchy (after plag), very weak clay (after (plag), mod k-spar, mafics unaltered (amph>bt <=3mm, 5%), weak-mod frac oxide (dark orange), consistent weak perv orange oxide staining throughout but hard, 15.55-15.80m pseudo-breccia - same mineral group as host grain smaller and look rounded, semi-sharp competent contacts 30CA +/-			
		7.2 - 21.0	Pervasive Moderate Silicification	Replaces Felsics Moderate Sericitisation	Replaces Felsics Weak Clay	weak-very weak ser patchy (after plag), very weak clay (after (plag), mod k-spar, mafics unaltered (amph>bt <=3mm, 5%), 15.55-15.80m pseudo-breccia - same mineral group as host grain smaller and look rounded, semi-sharp competent contacts 30CA +/-	
21.0 - 21.3	GG	cgrn		granite, crumbly section, dark orange oxide stain with bleach patch in centre (?), 20-30cm margins with no ser and stronger clay alt after plag i.e. lighter colouring, gradual change to stronger ser alt after plag			
		21.0 - 21.3	Replaces Felsics Strong Clay			crumbly section, dark orange oxide stain with bleach patch in centre (?), 20-30cm margins with no ser and stronger clay alt after plag i.e. lighter colouring, gradual change to stronger ser alt after plag	
21.3 - 26.0	GG	cgrn		coarse, massive, weak-very weak ser patchy (after plag), weak-mod clay (after (plag), mod k-spar, mafics unaltered (amph>bt <=3mm, 5%), weak-mod frac oxide (dark orange), inconsistent large patchy weak perv orange oxide staining throughout but hard			
		21.3 - 26.0	Pervasive Moderate Silicification	Replaces Felsics Moderate Clay	Replaces Felsics Weak Sericitisation	weak-very weak ser patchy (after plag), weak-mod clay (after (plag), mod k-spar, mafics unaltered (amph>bt <=3mm, 5%)	
26.0 - 26.3	GG	cgrn		granite, crumbly section, yellow orange oxide stain, lam hairline frac contacts 35-40CA, 20-30cm margins with no ser and stronger clay alt after plag i.e. lighter colouring, gradual change to stronger ser alt after plag			
		26.0 - 26.3	Replaces Felsics Strong Clay			crumbly section, yellow orange oxide stain, lam hairline frac contacts 35-40CA, 20-30cm margins with no ser and stronger clay alt after plag i.e. lighter colouring, gradual change to stronger ser alt after plag	

26.3 - 30.7	GG	cgrn	coarse, massive, initially weak-very weak ser patchy (after plag) increasing to weak-mod at 28m, weak-mod clay (after (plag) decreasing to weak after 28m, mod k-spar, mafics unaltered (amph>bt <=3mm, 5%), weak-mod frac oxide (dark orange), inconsistent large patchy weak perv orange oxide staining but hard, 27.25m strong oxide weak friable fracs 2-3 cm oxide haloes 60-7CA e.g.			
26.3 - 30.7			Pervasive Strong Silicification	Replaces Felsics Moderate Sericitisation		initially weak-very weak ser patchy (after plag) increasing to weak-mod at 28m, weak-mod clay (after (plag) decreasing to weak after 28m, mod k-spar, mafics unaltered (amph>bt <=3mm, 5%)
30.7 - 33.0	GG	cgrn	coarse massive, mod clay after plag alt, weak-no ser, k-spar continues, hardness decreases with depth, inconsistent large patchy weak perv orange oxide staining,			
30.7 - 33.0			Replaces Felsics Strong Clay			mod clay after plag alt, weak-no ser, k-spar continues, hardness decreases with depth, inconsistent large patchy weak perv orange oxide staining,
33.0 - 34.3	GG	cgrn	granite, crumbly section, yellow orange oxide stain, lam hairline frac upper contact 20-30CA			
33.0 - 34.3			Replaces Felsics Strong Clay			crumbly section
34.3 - 38.0	GG	cgrn	coarse massive, friable, mod-strong clay after plag alt, weak-no ser, k-spar continues, hardness decreases with depth, inconsistent small patchy weak perv orange oxide staining			
34.3 - 38.0			Replaces Felsics Strong Clay	Pervasive Moderate Clay		friable, mod-strong clay after plag alt, weak-no ser, k-spar continues, hardness decreases with depth, inconsistent small patchy weak perv orange oxide staining
38.0 - 40.3	GG	cgrn	granite, friable-crumbly section, mod-intense clay alt after plag, patchy frac controlled yellow orange to dark orange seams oxide stain 20-40CA			
38.0 - 40.3			Replaces Felsics Strong Clay	Pervasive Moderate Clay		friable-crumbly section, mod-intense clay alt after plag
40.3 - 43.1	GG	cgrn	granite, friable-crumbly +/- malleable section, mod-intense clay alt after plag, increased bleach colouring, patchy frac controlled yellow orange to dark orange seams oxide stain 20-40CA			
40.3 - 43.1			Replaces Felsics Strong Clay	Pervasive Strong Clay		friable-crumbly +/- malleable section, mod-intense clay alt after plag, increased bleach colouring
43.1 - 44.1	GG	cgrn	granite, friable-crumbly section, mod-intense clay alt after plag, weak patchy frac controlled yellow orange to dark orange seams oxide stain 20-40CA			
43.1 - 44.1			Replaces Felsics Strong Clay	Pervasive Moderate Clay		friable-crumbly section, mod-intense clay alt after plag
44.1 - 47.3	GG	cgrn	granite, friable-crumbly +/- malleable section, mod-intense clay alt after plag, increased bleach colouring, consistent perv orange to dark orange seams oxide stain throughout			
44.1 - 47.3			Pervasive Moderate Clay			friable-crumbly +/- malleable section, mod-intense clay alt after plag, increased bleach colouring
47.3 - 48.7	YC	bxv	brecciated granite increasing down from contact, rounded clast, mod-strong perv clay alt, bleaching with overprinted yellow-dark orange oxide staining, strong interstitial oxide 47-48m			
47.3 - 48.7			Replaces Felsics Strong Clay	Replaces Clasts Strong Silicification		mod-strong perv clay alt, bleaching with overprinted yellow-dark orange oxide staining
48.7 - 50.0	YC	bxv	brecciated granite, rounded clast, sil clasts in intense clay matrix, bleached creamy white throughout, mod-strong perv clay alt, sharp lower contact 55CA			
48.7 - 50.0			Pervasive Intense Clay	Replaces Clasts Strong Silicification		brecciated rounded clast, sil clasts in intense clay matrix, bleached creamy white throughout, mod-strong perv clay alt
50.0 - 50.8	GG	cgrn	granite, coarse, bleached, weakly brecciated decreasing with depth, strong clay after plag alt, upper contact zone dark grey interstitial = sooty pyrite?			
50.0 - 50.8			Replaces Felsics Strong Clay	Pervasive Strong Silicification	Patchy Weak Sericitisation	bleached, weakly brecciated decreasing with depth, strong clay after plag alt
50.8 - 55.2	GG	cgrn	granite, coarse, bleached, strong clay after plag alt, selective orange oxide staining of clay alt minerals, var patchy dark orange perv oxide staining frac-controlled			
50.8 - 55.2			Replaces Felsics Strong Clay	Pervasive Weak Clay		coarse, bleached, strong clay after plag alt, selective orange oxide staining of clay alt minerals
55.2 - 57.8	GG	cgrn	Zone: granite, coarse, alternating zones of [light green zone of strong clay after plag & weak-mod ser after plan with no mafics, var orange oxide stain zones] and [dark grey-green zone of mod-strong ser after plag weak-mod clay after plag, weak mafics], 55.45-56.0m light green zone with hairline fracture set 30CA dark grey = sooty py?			
55.2 - 57.8			Replaces Felsics Strong Clay	Patchy Moderate Sericitisation	Pervasive Strong Silicification	light green zone of strong clay after plag & weak-mod ser after plan with no mafics

57.8 - 61.9	GG	cgrn	Zone: granite, coarse, alternating zones of [light green zone of strong clay after plag & weak-mod ser after plan with no mafics, var orange oxide stain zones] and [dark grey-green zone of mod-strong ser after plag weak-mod clay after plag, weak mafics], 59.55-60.40m dark grey hairline fracture set (weak bx) 20-40CA = sooty py including 59.90-60.35m 5% diss dark orange oxide (after py?)			
		57.8 - 61.9	Replaces Mafics Strong Sericitisation	Pervasive Strong Silicification	Replaces Felsics Moderate Clay	med-dark grey-green zone of mod-strong ser after plag weak-n clay after plag, weak mafics
61.9 - 72.7	GG	cgrn	Zone: granite, coarse, alternating zones of [light green zone of strong clay after plag & weak-mod ser after plan with no mafics, var orange oxide stain zones] and [dark grey-green zone of mod-strong ser after plag weak-mod clay after plag, weak mafics], 62.45-63.45m dark grey hairline frac set 0-40CA (sooty py? including common dark orange-red frac coating (hem), 64.25-64.70m blocky strongly sil zone			
		61.9 - 72.7	Replaces Felsics Strong Clay	Replaces Mafics Moderate Sericitisation	Patchy Moderate Silicification	light green zone of strong clay after plag & weak-mod ser after plan with no mafics, var orange oxide stain zones
72.7 - 74.4	GG	cgrn	Zone: granite, coarse, alternating zones of [light green zone of strong clay after plag & weak-mod ser after plan with no mafics, var orange oxide stain zones] and [dark grey-green zone of mod-strong ser after plag weak-mod clay after plag, weak mafics]			
		72.7 - 74.4	Replaces Felsics Strong Clay	Replaces Mafics Moderate Sericitisation	Pervasive Weak Clay	med-dark grey-green zone of mod-strong ser after plag weak-n clay after plag, weak mafics
74.4 - 83.3	GG	cgrn	granite, coarse, massive, dark green-grey, mod-strong ser after plag (dark green),weak clay after plag, mod-strong perv sil, mafics present, weak frac oxide stain			
		74.4 - 83.3	Replaces Mafics Strong Sericitisation	Pervasive Moderate Silicification	Replaces Matrix Weak Clay	dark green-grey, mod-strong ser after plag (dark green),weak c after plag, mod-strong perv sil, mafics present
83.3 - 83.7	GG	cgrn	granite, coarse, massive, mod-strong perv clay, patchy orange oxide stain,			
		83.3 - 83.7	Replaces Felsics Strong Clay	Pervasive Moderate Clay		mod-strong perv clay
83.7 - 85.6	GG	cgrn	granite, coarse, massive, light green, no mafics, strong ser after plag, strong perv sil, mod caly after plag, alteration changes gradually with depth, weak frac yellow oxide			
		83.7 - 85.6	Replaces Mafics Strong Sericitisation	Replaces Felsics Moderate Clay	Pervasive Moderate Silicification	light green, no mafics, strong ser after plag, strong perv sil, mo caly after plag, alteration changes gradually with depth
85.6 - 116.0	GG	cgrn	granite, coarse, massive, dark grey with pink to var green-grey, mod-strong ser after plag (dark green to blue-green), mod-strong perv sil, mafics present, very weak frac oxide stain, <1% diss red hem spotting, 94.45-94.60m porphyritic mafic dyke (white < 4mm on dark grey matrix supported) with non-parallel irregular slightly diffuse contacts			
		85.6 - 116.0	Replaces Mafics Strong Sericitisation	Pervasive Strong Silicification		dark grey with pink to var green-grey, mod-strong ser after plag (dark green to blue-green), mod-strong perv sil, mafics present

Drill Log: CFD0390

Easting	583420.37	Hole Length	164m	Prospect	Latte	Drill Started	Aug 03, 2014	Comment Samples R270228 to R270236 were miss-sampled by the cutter. Original 1/2 cut samples discarded. Re-cut 1/4 core under supervision of G. Newton.
Northing	6973187.5	Azimuth	0°	Target		Drill Completed	Aug 05, 2014	
Projection	UTM7-NAD83	Dip	-50°	Geologist	GDessureau	Core Size	NQ2	
Survey method	RTK GPS	Elevation	1095.11mASL					

Litholoav and Alteration

Interval	Lith	Texture	Deformation	Comments
0.0 - 3.0	OVB			Overburden - rubbly, weakly oxidized, muscovite schist boulders.
3.0 - 13.3	MsS			Weakly oxidized, fine grained, moderately foliated, muscovite (+biotite) schist, with narrow (<5cm) zones of moderate oxidation. Alteration is weak to moderate, pervasive sericite alteration with weak patchy silica alteration.
		3.0 - 13.3	Patchy Weak Sericitisation	Patchy Weak Silicification
13.3 - 32.3	YC	bxv		Zone. Several zones of strong oxidation and hydrothermal brecciation. Oxidized zones up to 1% limonite, and 1% Hem. Locally up to 1% sooty pyrite. Breccias are matrix supported, poorly sorted, and show several generations of brecciation, with narrow breccia veins cross cutting breccia.
		13.3 - 32.3	Pervasive Moderate Sericitisation	Patchy Moderate Silicification
32.3 - 36.0	BtS_carb	Fol-wk		Weakly oxidized, fine to medium grained, weakly to moderately foliated biotite (muscovite) schist, with narrow (<5cm) bands of carbonate. With narrow (<5cm) zones of weak to moderate oxidation. Weak to moderate sericite alteration.
		32.3 - 36.0	Patchy Weak Sericitisation	Patchy Weak Silicification
36.0 - 48.3	BtS_carb	Fol-mod		Biotite, muscovite schist with narrow (<5cm) carbonate bands. Weak sericite alteration, locally small zones (5cm) with weak oxidation.
		36.0 - 48.3	Patchy Moderate Sericitisation	
48.3 - 60.1	BtS_carb	Fol-wk		Biotite muscovite, schist, with moderate sericite-silica alteration, and weak limonite oxidation. Low arsenic. Locally weakly brecciated.
		48.3 - 60.1	Patchy Moderate Sericitisation	Patchy Moderate Silicification
60.1 - 60.8	MsS			Zone. Medium to dark brown, strongly limonite altered muscovite schist. Rubbly, brittle lower contact with quartz vein. 0.5% limonite.
		60.1 - 60.8	Pervasive Moderate Sericitisation	Pervasive Moderate Silicification
60.8 - 62.0	MV	mass		Quartz Vein. Brecciated, broken contacts, with competent, but brecciated, core of quartz vein. Cut by abundant limonite veinlets and stockwork.
		60.8 - 62.0	Pervasive Strong Silicification	
62.0 - 70.0	MsS			Zone. Medium to dark brown, strongly altered, weakly foliated, locally weakly brecciated, muscovite schist. Alteration is moderate to strong sericite-silica alteration with up to 1% limonite and locally up to 0.5% hematite.
		62.0 - 70.0	Pervasive Strong Sericitisation	Pervasive Strong Silicification
70.0 - 73.8	Ylim	bx		Zone. Brown, generally unconsolidated rubble with minor fault gouge. Locally brecciated. 2% limonite, 0.5% Hematite.
		70.0 - 73.8	Pervasive Strong Sericitisation	Pervasive Strong Silicification Pervasive Moderate Clay
73.8 - 83.7	MsS	Fol-wk		Light brown, tan, and grey, stongly altered, weakly foliated, weakly brecciated muscovite schist. Alteration is strong pervasive, sericite-silica alteration, with minor limonite oxidation.
		73.8 - 83.7	Pervasive Strong Sericitisation	Pervasive Strong Silicification
83.7 - 105.3	BtS_carb	Fol-mod		Light green and grey, moderately foliated, relatively unaltered, biotite muscovite schist, with small (1-5cm) carbonate bands.
		83.7 - 105.3	Patchy Weak Sericitisation	Patchy Weak Silicification
105.3 - 111.3	BtS_carb	Fol-wk		Light to medium brown, weak to moderately altered, weakly foliated, biotite schist. Alteration is weak to moderate ervasive sericite alteration, with weak pervasive limonite oxidation.
		105.3 - 111.3	Pervasive Strong Sericitisation	
111.3 - 143.4	BtS_carb	Fol-mod		Light green and grey, moderately foliated, relatively unaltered, biotite muscovite schist, with small (1-5cm) carbonate bands.
		111.3 - 143.4	Patchy Weak Sericitisation	

143.4 - 164.0	MsS	Fol-wk	Light brown and cream, moderately to strongly foliated, weakly to moderately altered muscovite schist. Alteration is moderate pervasive sericite alteration, with moderate patchy silicification, and weak pervasive limonite oxidation. Increasing structure near the E.O.H. 164m E.O.H.	
143.4 - 164.0	Pervasive Moderate Sericitisation	Patchy Weak Silicification		

Drill Log: CFD0391

Easting	579876.3	Hole Length	127 m	Prospect	Kona	Drill Started	Aug 04, 2014	Comment	Infill drilling for 2011 RC campaign, delineate zone & structural data
Northing	6973089.9	Azimuth	0°	Target	Infill	Drill Completed	Aug 05, 2014		
Projection	UTM7-NAD83	Dip	-50°	Geologist	CDavis	Core Size	NQ2		
Survey method	RTK GPS	Elevation	1238.27 mASL						

Lithology and Alteration

Interval	Lith	Texture	Deformation	Comments
0.0 - 3.4	OVb			Overburden, grainy pebbly sand
3.4 - 7.0	GG	cgrn		Granite, coarse, massive, hard, k-spar-rich, mod ser after plag, weak-no oxide, trace red hem spotting
		3.4 - 9.2	Pervasive Strong Silicification	Replaces Felsics Weak Sericitisation
				Replaces Felsics Weak Clay
				hard, k-spar-rich, mod ser after plag
7.0 - 9.2	GG	cgrn		Granite, coarse, massive, hard, k-spar-rich, weak ser after plag, increasing orange oxide staining - gradual change from overlying, trace red hem spotting. 0.25% lim frac, 0.25% hem frac
9.2 - 10.8	GG	cgrn		Granite, 75% crumbly section, 25% hard to blocky, dark orange oxide stain
		9.2 - 10.8	Replaces Felsics Strong Clay	Pervasive Weak Clay
				75% crumbly section, 25% hard to blocky, dark orange oxide stain
10.8 - 17.0	GG	cgrn		Granite, coarse, massive, hard, k-spar-rich, mod clay after plag, mod patchy clay (softer-friable), weak orange oxide staining. 0.5 lim frac, 0.25 hem diss
		10.8 - 13.2	Replaces Felsics Moderate Clay	
				hard, k-spar-rich, mod clay after plag, mod patchy clay (softer-friable)
		13.2 - 15.4	Replaces Felsics Strong Clay	Fracture Controlled Moderate Clay
		15.4 - 17.0	Replaces Felsics Moderate Clay	
17.0 - 17.5	GG	cgrn		Granite, crumbly section, dark orange oxide stain
		17.0 - 17.5	Replaces Felsics Strong Clay	Pervasive Moderate Clay
				crumbly section
17.5 - 22.0	GG	cgrn		Granite, coarse, massive, hard, k-spar-rich, mod clay after plag, mod patchy clay (softer-friable), weak orange oxide staining. 0.5 lim frac, 0.25 hem diss
		17.5 - 22.0	Replaces Felsics Strong Clay	Fracture Controlled Weak Clay
				hard, k-spar-rich, mod clay after plag, mod patchy clay (softer-friable)
22.0 - 23.1	GG	cgrn		Granite, 25% crumbly section, 75% hard to blocky, dark orange oxide stain, lam frac lower contact 40-50CA
		22.0 - 23.1	Replaces Felsics Strong Clay	Pervasive Moderate Clay
				25% crumbly section, 75% hard to blocky
23.1 - 24.3	GG	cgrn		Granite, coarse, massive, hard, k-spar-rich, mod clay after plag, mod patchy clay (softer-friable), weak orange oxide staining. 0.5 lim frac, 0.25% hem diss
		23.1 - 24.3	Pervasive Moderate Silicification	Replaces Felsics Moderate Clay
				hard, k-spar-rich, mod clay after plag, mod patchy clay (softer-friable)
24.3 - 25.1	GG	cgrn		Granite, coarse, massive, friable, strong clay after plag, crumbly upper contact, sharp lower contact 40CA, less friable downhole
		24.3 - 25.1	Replaces Felsics Strong Clay	Pervasive Weak Clay
				friable, strong clay after plag, crumbly upper contact, sharp lower contact 40CA, less friable downhole
25.1 - 25.5	GG	cgrn		Zone: Granite, coarse, massive, mod clay after plag, increasing sil perv with depth, 0.5% lim interstitial, 0.5% hem interstitial, trace fresh pyrite
		25.1 - 25.7	Pervasive Strong Silicification	
				mod clay after plag, increasing sil perv with depth
25.5 - 25.7	YO	bx		Zone: sil bx, red stained, sharp contact with soft clay-rich breccia 40CA
25.7 - 26.5	YC	bx		Zone: breccia, strong clay matrix, sil clasts <=5mm rounded, matrix orange stained
		25.7 - 26.5	Pervasive Intense Clay	
				strong clay matrix, sil clasts <=5mm rounded

26.5 - 27.0	YC	bx	Zone: breccia, strong clay matrix, sil clasts <=5mm rounded, transition from orange to blue-grey matrix and less intense brecciation = strong-mod breccia			
26.5 - 27.6			Pervasive Strong Clay			strong clay matrix, sil clasts <=5mm rounded, transition from orange to blue-grey matrix and less intense brecciation = strong-mod breccia
27.0 - 32.7	YC	bx	Zone: breccia, mod to strong, mod clay matrix, sil clast subround-subangular all sizes, blue-grey, light green = scorodite?, sooty pyrite interstitial 2% with occasional seam 20CA			
27.6 - 28.7			Pervasive Moderate Clay	Fracture Controlled Intense Clay		mod clay matrix, sil clast subround-subangular all sizes, blue-gr
28.7 - 34.1			Pervasive Strong Clay	Fracture Controlled Intense Clay		
32.7 - 34.1	YC	bx	Zone: breccia, mod to strong, mod clay matrix, sil clast subround-subangular all sizes, blue-grey, light green = scorodite?, sooty pyrite interstitial 2% with occasional seam 20CA, 2x realgar +/- orpiment interstitial zones 32.70-32.82m & 33.95-34.10m			
34.1 - 34.7	YO	bx	Zone: sil bx red-orange stained, sharp upper contact with soft clay-rich breccia 40CA			
34.1 - 34.7			Pervasive Moderate Silicification	Replaces Matrix Strong Clay		sil bx red-orange stained, sharp upper contact with soft clay-rich breccia 40CA
34.7 - 39.0	GG	cgrn	Granite, coarse, massive, mod-strong clay after plag, no mafics, decreasing sil perv with depth, mod-strong orange interstitial oxide stain, 0.5% lim interstitial, 0.5% hem interstitial			
34.7 - 39.0			Replaces Felsics Strong Clay	Pervasive Moderate Silicification		mod-strong clay after plag, no mafics, decreasing sil perv with depth
39.0 - 39.5	GG	cgrn	Granite, coarse, massive, strong clay after plag, mod soft-friable, no mafics, mod-strong orange interstitial oxide stain, 0.25% lim interstitial, 0.25% hem interstitial			
39.0 - 39.5			Replaces Felsics Strong Clay	Fracture Controlled Moderate Clay		strong clay after plag, mod soft-friable, no mafics
39.5 - 41.8	GG	cgrn	Granite, coarse, massive, strong clay after plag, mod soft-friable, no mafics, mod-strong orange interstitial oxide stain, 1% lim interstitial, 0.5% hem frac			
39.5 - 41.8			Replaces Felsics Strong Clay	Pervasive Moderate Silicification		strong clay after plag, mod soft-friable, no mafics
41.8 - 42.9	GG	cgrn	Granite, coarse, massive, strong clay after plag, no mafics, weak orange interstitial oxide stain decrease with depth, 1% lim interstitial, 0.5% hem frac			
41.8 - 45.6			Replaces Felsics Strong Clay	Replaces Felsics Weak Sericitisation	Pervasive Moderate Silicification	strong clay after plag, no mafics
42.9 - 45.6	GG	cgrn	Granite, coarse, massive, mod-strong clay after plag, weak ser after plag, 43.15-44.10m increasing sil perv with sooty fracs, weak orange patchy-interstitial oxide stain, 0.5% lim interstitial, 0.5% hem interstitial, 1% sooty fracs (50-70CA) & diss			
45.6 - 53.6	GG	cgrn	Granite, coarse, massive, strong clay after plag, weak-mod ser after plag, no mafics, var patchy orange interstitial-perv yellow orange oxide stain with orange-brown fracs, 1% lim interstitial, 0.5% hem frac, 52.20- 52.90m blocky with increase clay alt, strong orange oxide stain			
45.6 - 50.0			Replaces Felsics Strong Clay	Pervasive Moderate Silicification		strong clay after plag, no mafics
50.0 - 51.2			Replaces Felsics Strong Clay	Replaces Felsics Moderate Sericitisation	Pervasive Moderate Silicification	no mafics, ser blue-green
52.2 - 58.6			Replaces Felsics Strong Clay	Pervasive Moderate Silicification	Pervasive Weak Clay	52.20- 52.90m blocky with increase clay alt
53.6 - 56.7	GG	cgrn	Granite, coarse, massive, mod-strong clay after plag, weak ser after plag, weak-mod orange patchy-interstitial oxide stain, 0.5% lim interstitial, 0.5% hem interstitial (very strong frac hem at lower contact), 1% grey translucent qz filled fracs +/- chl (20-40CA) with trace fresh py <1mm			
56.7 - 61.4	GG	cgrn	Granite, coarse, massive, strong clay after plag, weak-mod ser after plag, no mafics, var patchy orange interstitial-perv yellow orange oxide stain with orange-brown fracs, 1% lim interstitial, 0.5% hem frac, 58.60- 58.90m blocky, strong orange oxide stain			
58.6 - 58.9			Replaces Felsics Strong Clay	Pervasive Moderate Clay		58.60- 58.90m blocky, strong orange oxide stain
58.9 - 60.6			Replaces Felsics Strong Clay	Pervasive Moderate Silicification		strong clay after plag, weak-mod ser after plag, no mafics
60.6 - 61.4			Replaces Felsics Strong Clay	Fracture Controlled Strong Clay		
61.4 - 77.0	GG	cgrn	Granite, coarse, massive, dark green-grey, mod-strong ser after plag (dark green), weak clay after plag, mod-strong perv sil, mafics present, var weak frac-weak patchy orange oxide stain, 0.25% lim frac, 0.1% hem diss, var blocky = stronger = increase frac oxide			
61.4 - 77.0			Pervasive Strong Silicification	Replaces Felsics Moderate Sericitisation	Replaces Felsics Weak Clay	dark green-grey, mod-strong ser after plag (dark green), weak c after plag, mod-strong perv sil, mafics present
77.0 - 82.0	GG	cgrn	Granite, coarse, massive, light green, no mafics, strong ser after plag (yellow-green), strong perv sil, mod clay after plag, alteration changes gradually, mod frac yellow oxide, 0.25% lim frac, 0.25% hem frac			
77.0 - 82.0			Replaces Felsics Strong Clay	Pervasive Moderate Silicification	Replaces Felsics Moderate Sericitisation	light green, no mafics, strong ser after plag (yellow-green), strong perv sil, mod clay after plag, alteration changes gradually

82.0 - 97.2	GG	cgrn	Granite, coarse, massive, dark green-grey, mod-strong ser after plag (dark green),weak clay after plag, mod-strong perv sil, mafics present, var weak frac-weak patchy orange oxide stain, 0.25% lim frac, 01% hem diss			
82.0 - 97.2		Pervasive Strong Silicification	Replaces Felsics Moderate Sericitisation	Replaces Felsics Weak Clay	dark green-grey, mod-strong ser after plag (dark green),weak c after plag, mod-strong perv sil, mafics present	
97.2 - 98.6	GG	cgrn	Granite, coarse, massive, light green-grey, mod ser after plag, mod-strong clay after plag, patchy weak-strong clay (crumbly-malleable <10cm), weak orange frac oxide top contact, 97.90-98.00m parallel frac set 40CA overlying clay seam at end of run			
97.2 - 98.6		Replaces Felsics Strong Clay	Replaces Felsics Moderate Sericitisation	Fracture Controlled Moderate Clay	light green-grey, mod ser after plag, mod-strong clay after plag patchy weak-strong clay (crumbly-malleable pieces <10cm)	
98.6 - 101.9	GG	cgrn	Granite, coarse, massive, dark green-grey, mod-strong ser after plag (dark green),weak clay after plag, mod-strong perv sil, mafics present, var weak frac-weak patchy orange oxide stain, 0.25% lim frac, 01% hem diss			
98.6 - 101.9		Pervasive Strong Silicification	Replaces Felsics Moderate Sericitisation		dark green-grey, mod-strong ser after plag (dark green),weak c after plag, mod-strong perv sil, mafics present	
101.9 - 102.9	GG	cgrn				
101.9 - 102.8		Replaces Felsics Strong Clay	Replaces Felsics Weak Sericitisation	Pervasive Moderate Silicification		
102.8 - 104.9		Replaces Felsics Strong Clay	Replaces Felsics Strong Sericitisation	Fracture Controlled Weak Clay	ser yellow & light green	
102.9 - 113.5	GG	cgrn	Granite, coarse, massive, ALTERNATING (<1M SPACING): [light green-grey, mod ser after plag (yellow-green), mod-strong clay after plag, patchy weak clay (crumbly-malleable <10cm 106.30-106.50m, 111.50-111.75m), mod-strong orange frac oxide top 105.5-106.00] AND [dark green-grey, mod-strong ser after plag (dark green),weak clay after plag, mod-strong perv sil, weak mafics present, var weak frac-weak patchy orange oxide stain, 0.25% lim frac, 01% hem diss - 110.45-110.6m red frac 40CA]; 103.75-103.80m grey translucent qz with white specks 70CA			
104.9 - 105.5		Replaces Felsics Moderate Clay	Replaces Felsics Moderate Sericitisation	Pervasive Moderate Silicification		
105.5 - 112.7		Replaces Felsics Strong Clay	Replaces Felsics Strong Sericitisation	Fracture Controlled Moderate Clay	ser yellow & light green, var alteration intensities, increasing si with depth	
112.7 - 125.8		Pervasive Strong Silicification	Replaces Felsics Moderate Sericitisation	Replaces Felsics Weak Clay	mod ser after felsics (green) weak clay after felsics, pink k-spar common, weak mafics	
113.5 - 125.8	GG	cgrn	Granite, coarse, massive, mod ser after felsics (green) weak clay after felsics, pink k-spar common, weak mafics, 0.1% frac lim, 0.1% red hem diss spotting, weak frac oxide, 122.85-123.90m blocky section stronger yellow oxide, weak frac clay			
125.8 - 127.0	IV	mass	Dyke - mafic, fine porphyritic, massive, dark grey-black, minor white (clay? - not carb) stringers <3mm 20CA			
125.8 - 127.0		Pervasive Moderate Silicification	dark grey-black, minor white (clay? - not carb) stringers <3mm			

Drill Log: CFD0392

Easting	583479.23	Hole Length	170m	Prospect	Latte	Drill Started	Aug 04, 2014	Comment
Northing	6973167.31	Azimuth	0°	Target	Infill	Drill Completed	Aug 05, 2014	
Projection	UTM7-NAD83	Dip	-50°	Geologist	GDessureau	Core Size	NQ2	
Survey method	RTK GPS	Elevation	1078.57mASL					

Lithology and Alteration

Interval	Lith	Texture	Deformation	Comments
0.0 - 6.0	OVb			Overburden - Rubbly biotite schist boulders.
6.0 - 14.4	BtS_carb			Grey-green, weakly altered, moderately foliated, biotite schist. Several small (<5cm) zones of weakly oxidized zones.
		6.0 - 14.4	Weak Sericitisation	
14.4 - 15.7	BtS_carb			Brown, weakly foliated, moderately altered biotite schist. Alteration is moderate, pervasive, sericite alteration with 1% limonite and 0.5% Hem.
		14.4 - 15.7	Pervasive Strong Sericitisation	Pervasive Strong Silicification
15.7 - 18.0	BtS_carb			Grey-green, weakly altered, moderately foliated, biotite schist. Several small (<5cm) zones of weakly oxidized zones.
		15.7 - 18.0	Pervasive Weak Sericitisation	Pervasive Weak Silicification
18.0 - 19.4	BtS_carb			Brown, weakly foliated, moderately altered biotite schist. Alteration is moderate, pervasive, sericite alteration with 1% limonite.
		18.0 - 19.4	Pervasive Moderate Sericitisation	
19.4 - 24.1	BtS_carb			Grey-green, weakly altered, moderately foliated, biotite schist. Several small (<5cm) zones of weakly oxidized zones.
		19.4 - 24.1	Pervasive Strong Silicification	Pervasive Moderate Sericitisation
24.1 - 34.4	BtS_carb	Fol-wk		Brown, weakly foliated, strongly altered biotite schist. Highly fractured fault zone with brown fault rubble and fault gouge. Alteration is strong, pervasive, sericite alteration with 1% limonite and 0.5% Hem.
		24.1 - 34.4	Pervasive Strong Sericitisation	Patchy Strong Silicification Patchy Strong Clay
34.4 - 50.9	BtS_carb	Fol-mod		Light to medium brown, weakly to moderately foliated, weakly to moderately altered biotite (muscovite) schist. Alteration is weak to moderate, pervasive sericite, silica alteration with weak to moderate pervasive limonite oxidation. Cut by abundant carbonate veinlets.
		34.4 - 50.9	Pervasive Moderate Sericitisation	Pervasive Moderate Silicification
50.9 - 66.3	BtS_carb	Fol-mod		Grey-green and brown, weakly to moderately foliated, weakly to moderately altered biotite schist. Alteration is weak to moderate sericite-silica with weak to locally moderate limonite (+hematite) oxidation. Alteration increases downhole.
		50.9 - 66.3	Patchy Weak Sericitisation	
66.3 - 68.1	Ylim			Zone. Brown, strongly altered, limonite breccia zone. Up to 2% limonite, and 1% hematite.
		66.3 - 68.1	Pervasive Strong Sericitisation	Pervasive Strong Clay Patchy Weak Silicification
68.1 - 73.5	BtS_carb	Fol-wk		Light to medium brown, weakly to moderately foliated, weakly to moderately altered biotite (muscovite) schist. Alteration is weak to moderate, pervasive sericite, silica alteration with weak to moderate pervasive limonite oxidation with abundant carbonate bands.
		68.1 - 73.5	Pervasive Moderate Sericitisation	Patchy Weak Silicification
73.5 - 84.5	BtS_carb	Fol-mod		Light to medium brown, weakly to moderately foliated, biotite (muscovite) schist. Cut by abundant carbonate veins.
		73.5 - 84.5	Patchy Weak Sericitisation	
84.5 - 86.0	FLT			Dark grey to green, fault zone with abundant broken rock and minor fault gouge development, Alteration is pervasive chlorite alteration with very minor limonite.
		84.5 - 86.6	Patchy Weak Chlorite	
86.0 - 90.1	BtS_carb	Fol-mod		Grey-green, weakly altered, moderately foliated, biotite schist with several small (1-20cm) carbonate bands. Lower contact with mineralized zone is marked with a large quartz carbonate vein and a small (20cm) granite dyke.
		86.6 - 90.1	Patchy Weak Sericitisation	

90.1 - 110.2	Ylim	Fol-wk	Zone. Brown, weakly foliated, weakly brecciated, strongly altered, biotite schist. Alteration is strong pervasive sericite alteration and strong limonite oxidation. Up to 2% limonite, and 1% hematite. 93.9-94.1: sulphide vein with up to 20% sooty pyrite with a strongly brecciated zone.	
	90.1 - 110.2	Pervasive	Strong Sericitisation	Patchy Moderate Silicification Patchy Moderate Clay
110.2 - 123.5	BtS_carb	Fol-wk	Light brown, weakly foliated, moderately altered, biotite schist. Alteration is moderate, pervasive sericite-silica alteration with weak limonite alteration.	
	110.2 - 123.5	Pervasive	Moderate Sericitisation	Pervasive Moderate Silicification
123.5 - 125.3	FLT		Greenish-brown, moderately altered fault zone with broken rock and minor fault gouge development. Weak limonite and minor hematite alteration along broken surfaces.	
	123.5 - 125.3	Patchy	Moderate Sericitisation	Patchy Moderate Silicification
125.3 - 132.2	BtS	Fol-mod	Greenish-grey, medium grained, moderately foliated, biotite feldspar schist.	
	125.3 - 132.2	Pervasive	Weak Sericitisation	Pervasive Moderate Silicification
132.2 - 133.2	FLT		Greenish-grey, heavily broken fault zone with minor fault gouge.	
	132.2 - 133.2	Patchy	Weak Sericitisation	
133.2 - 145.9	BtS_carb	Fol-wk	Greenish-grey, medium grained, moderately foliated, weakly altered, biotite feldspar schist. Alteration is weak pervasive sericite alteration with minor limonite oxidation along fractures.	
	133.2 - 145.9	Pervasive	Weak Sericitisation	Patchy Weak Silicification
145.9 - 170.0	MBSLT	Fol-wk	Light green and light grey, weakly to moderately foliated, chlorite and chlorite-feldspar schist. Metabasalt interlayered with metagabbro.	
	145.9 - 170.0	Patchy	Weak Clay	

Drill Log: CFD0393

Easting	585102.69	Hole Length	278m	Prospect	Double Double	Drill Started	Aug 05, 2014	Comment	Run 194-197m 2.30/3.00m, angular, blocky (not core loss - drilling stick ups?)
Northing	6973380.46	Azimuth	180°	Target	Infill	Drill Completed	Aug 08, 2014		
Projection	UTM7-NAD83	Dip	-50°	Geologist	KGrodzicki	Core Size	NQ2		
Survey method	RTK GPS	Elevation	1116.77mASL						

Lithology and Alteration

Interval	Lith	Texture	Deformation	Comments
0.0 - 13.3	OVb			Schistose and gneissic rubble
13.3 - 31.7	MxM	band		Muscovite/biotite schist with intervening intervals of red stained hematitic felsic gneiss and coarse mafic gneiss. Occasional white qz vein 1-5cm parallel schistosity. Weak patchy chlorite after mafics, 0.1% hematite in fractures and frequent red stained cubic pyrite.
		13.3 - 31.7	Patchy Moderate Chlorite	Replaces Felsics Moderate Silicification
31.7 - 39.6	BtS	lamn		Mod chlorite and epidote altered biotite schist with mod patchy sil. Weak shear structures. Frequent low-angle qtz veining. 0.1% fc hematite and red stained cubic pyrite. 39-39.50m brighter green, softer = SZ
		31.7 - 39.0	Pervasive Strong Chlorite	Replaces Mafics Moderate Epidote
		39.0 - 40.0	Pervasive Moderate Chlorite	Patchy Weak Epidote
				Fracture Controlled Moderate Clay
				rubbly zone with malleable centre
39.6 - 49.3	MxM	band		Muscovite/biotite schist with intervening intervals of red stained hematitic felsic gneiss. Weak patchy chlorite after mafics, 0.1% hematite in fractures and frequent red stained cubic pyrite. 43.10-44.55m Strong oxide yellow-orange oxide staining with strong clay (malleable with preserved features) 44.44.35m
		40.0 - 52.1	Patchy Moderate Chlorite	Replaces Felsics Moderate Silicification
				43.10-44.55m Strong oxide yellow-orange oxide staining with strong clay & carb veinlet 25CA (44.00-44.35m malleable with preserved features)
49.3 - 52.1	FG	lamn		pink red stained hematitic felsic gneiss with white quartz veining parallel foliation. Sharp upper contact 20CA. Strong hard.
52.1 - 58.0	SZ	lamn	Crenul	Mod-Strong chlorite and epidote altered biotite schist with mod-strong shear structures, pygmatic folds overall 0-20CA.F34 Green. Soft.
		52.1 - 58.0	Pervasive Strong Chlorite	Patchy Moderate Epidote
				Fracture Controlled Strong Clay
58.0 - 83.6	MxM	band		Muscovite/biotite schist with less intervening intervals of red stained hematitic felsic gneiss. Weak patchy chlorite after mafics, 0.1% hematite in fractures and frequent red stained cubic pyrite. Var zones of chill + ep.
		58.0 - 83.6	Patchy Moderate Chlorite	Replaces Felsics Moderate Silicification
				Fracture Controlled Weak Clay
				64m-78m var HCl rx stringers-veinlets & perv
83.6 - 90.2	BtS	bxi		Abundant Broken core. Muscovite Biotite schist with several fault zones and quartz veins.
		83.6 - 90.2	Pervasive Moderate Silicification	Patchy Moderate Chlorite
				Patchy Strong Sericitisation
90.2 - 141.2	MxM	band		Light green-grey, strongly foliated, muscovite/biotite schist. Cut by rare quartz veins and occasional limonite fractures.
		90.2 - 113.0	Patchy Moderate Chlorite	Replaces Felsics Moderate Silicification
				Fracture Controlled Weak Clay
		113.0 - 114.0	Patchy Moderate Chlorite	Replaces Felsics Moderate Silicification
				Fracture Controlled Strong Clay
				0-10CA frac with strong clay alt
		114.0 - 131.3	Patchy Moderate Chlorite	Replaces Felsics Moderate Silicification
				Fracture Controlled Weak Clay
		131.3 - 133.3	Patchy Moderate Chlorite	Fracture Controlled Moderate Calcite
				Fracture Controlled Weak Clay
		133.3 - 141.2	Patchy Moderate Chlorite	Fracture Controlled Moderate Silicification

141.2 - 146.6	IV	phyr	Dark green, massive, porphyritic andesite dyke. Abundant 1-5mm feldspar phenocrysts in a dark aphanitic matrix. Sharp upper and lower contact.			
		141.2 - 146.6	Pervasive Moderate Silicification	Fracture Controlled Weak Clay	141.60-141.85m strong clay at, friable aong 30-40CA	
146.6 - 151.1	BtS	lamn	green, strongly foliated, muscovite/biotite schist 25CA			
		146.6 - 151.1	Pervasive Strong Chlorite	Patchy Weak Epidote	Pervasive Moderate Silicification	
151.1 - 174.8	MxM	band	Light green-grey, strongly foliated, muscovite/biotite schist. Cut by rare quartz veins, and occasional limonite fractures.			
		151.1 - 174.8	Patchy Moderate Chlorite	Replaces Felsics Moderate Silicification	Fracture Controlled Weak Clay	consistent HCl rx
174.8 - 180.7	Ylim	bxi	Zone. Orange-Brown, Strongly altered, limonitic breccia, mod strong pervasive-patchy sericite & silica alteration, overprinted by strong limonite oxidation (var friable-blocky = clay?), var carb content. Up to 2% lim, 1% hem frac, and 0.5% fine grained sooty pyrite. 3-4x crackle coarse breccia zones, 10-50cm, minimaal movement of angular-subangular clasts, lithic & oxide matrix/cement. 184.80-18650 white & pink qz cal vein 0-10CA			
		174.8 - 176.0	Pervasive Moderate Silicification	Fracture Controlled Moderate Clay	Patchy Moderate Sericitisation	ser might be more perv but masked by ox
		176.0 - 177.3	Pervasive Moderate Silicification	Fracture Controlled Moderate Clay	Patchy Moderate Sericitisation	no HCl rx
		177.3 - 179.2	Pervasive Moderate Silicification	Fracture Controlled Moderate Clay	Patchy Moderate Sericitisation	ser might be more perv but masked by ox
		179.2 - 181.7	Pervasive Moderate Silicification	Patchy Moderate Sericitisation	Patchy Moderate Chlorite	
180.7 - 195.3	MxM	band	Light green-grey, moderately altered, strongly foliated, muscovite/biotite schist. Cut by 5cm quartz vein, and occasional limonite fractures.			
		181.7 - 182.4	Pervasive Moderate Silicification	Patchy Moderate Sericitisation	Patchy Moderate Chlorite	
		182.4 - 187.6	Pervasive Moderate Silicification	Patchy Weak Sericitisation	Patchy Moderate Chlorite	
		187.6 - 195.3	Pervasive Moderate Chlorite	Replaces Felsics Moderate Silicification	Fracture Controlled Weak Clay	
195.3 - 197.9	Ylim	bxi	Zone. Brown, strongly altered, limonitic breccia weakly foliated around breccia. mod-strong pervasive sericite and silica, overprinted by strong limonite oxidation.<2% lim, 1% hem, and possibly 0.5% fine grained sooty pyrite. mod consistent carb.			
		195.3 - 200.4	Pervasive Moderate Silicification	Patchy Moderate Sericitisation	Fracture Controlled Weak Clay	
197.9 - 199.9	MxM	band	Light green-grey, moderately altered, strongly foliated, muscovite/biotite schist. Cut by 5cm quartz vein, and occasional limonite fractures.			
199.9 - 200.5	YLim	bxi	Zone. Brown, strongly altered, limonitic breccia weakly foliated around breccia. Alteration is strong pervasive sericite alteration with weak patchy silica alteration, overprinted by strong limonite oxidation. Up to 2% limonite, 1 % Hematite, and 0.5% fine grained sooty pyrite.			
		200.4 - 206.8	Patchy Strong Silicification	Patchy Weak Sericitisation	Fracture Controlled Weak Calcite	
200.5 - 206.8	BtS	lamn	Bt sch. Light grey to pinkish grey, moderately altered mod-strong perv sil, patchy strong ser, weakly brecciated, strongly foliated, patchy orange, 0.25% frac lim, 0.25% frac hem			
206.8 - 254.6	MxM	band	Muscovite/biotite schist with intervening intervals of red stained hematitic felsic gneiss and fine & coarse mafic gneiss. Weak patchy chlorite after mafics, common low angle carb veinlets irregular 0-20CA, 0.1% hematite in fractures and frequent red stained cubic pyrite. 229.90m <1cm cal vein with lim rim parallel sch 25CA, tr As.			
		206.8 - 219.5	Pervasive Moderate Chlorite	Replaces Felsics Moderate Silicification	Fracture Controlled Weak Clay	
		219.5 - 224.7	Pervasive Moderate Clay	Pervasive Moderate Calcite	Replaces Felsics Weak Leucoxene	
		224.7 - 254.6	Pervasive Moderate Chlorite	Replaces Felsics Moderate Silicification	Fracture Controlled Weak Clay	
254.6 - 258.0	BtS	lamn	bt schist, med-coarse, hard, grey-green, mod-strong sil + ser, mod frac clay, fracs mod-strong 10CA with parallel white qz-carb veins <=1cm, 0.1% frac lim in clay. 355m <1cm cal vein 10CA with lim rim parallel sch, tr As.			
		254.6 - 258.0	Pervasive Moderate Silicification	Patchy Moderate Sericitisation	Fracture Controlled Weak Clay	
258.0 - 278.0	MxM	band	bt schist, coarse-verycoarse, dark grey slight reddish tinge, schist 30CA +/-, hard with patchy clay (friable intervals), weak frac orange lim 0.1% weak frac red = hem 0.1%, 268.45-268.50m white qz vein with margin of paralell grey-red fracs = hem-MnO2-chl (No XRF As).			
		258.0 - 278.0	Pervasive Moderate Chlorite	Pervasive Moderate Silicification		

Drill Log: CFD0394

Easting	579628.88	Hole Length	110m	Prospect	Kona	Drill Started	Aug 05, 2014	Comment	Lost most of a day shift due to Cyr crew change on 6 August.
Northing	6973008.66	Azimuth	0°	Target	Infill	Drill Completed	Aug 06, 2014		
Projection	UTM7-NAD83	Dip	-50°	Geologist	GDessureau	Core Size	NQ2		
Survey method	RTK GPS	Elevation	1277.09mASL						

Lithology and Alteration

Interval	Lith	Texture	Deformation	Comments
0.0 - 5.4	OVb			Overburden - Rubbly boulders and pebbles of diorite.
5.4 - 14.9	DIOR	fgrn		Zone. Light grey and light brown (where oxidized), fine grained, massive diorite. 40-50% very fine (<1mm) feldspar in a dark matrix of mafics. Weak patchy sericite alteration with weak to moderate, fracture controlled limonite alteration. Up to 1% limonite
		5.4 - 14.9	Fracture Controlled Moderate Sericitisation	
14.9 - 16.3	GG			Zone. Light brown to beige, intensely altered granite. Alteration is intense clay alteration with small (<1cm) fragments of quartz in a muddy clay matrix with weak limonite alteration
		14.9 - 16.3	Pervasive Intense Sericitisation	Patchy Moderate Silicification
16.3 - 26.5	GG			Zone. Light to medium brown, weakly to moderately altered, weakly to moderately oxidized, coarse grained granite. Locally up to 1% Limonite.
		16.3 - 26.5	Pervasive Moderate Sericitisation	
26.5 - 38.8	GG			Light to medium brown, weakly to moderately altered, weakly to moderately oxidized, coarse grained granite. Locally up to 1% Limonite. Cut by abundant narrow (1-2cm) grey silica breccia veinlets (200 ca.). Up to 0.5% fracture controlled limonite alteration.
		26.5 - 38.8	Patchy Moderate Sericitisation	Fracture Controlled Moderate Silicification
38.8 - 39.7	GG			Grey to pinkish grey, weakly to unaltered, massive coarse-grained granite. Faulted upper contact.
		38.8 - 39.7	Fracture Controlled Weak Sericitisation	
39.7 - 40.2	GG			Zone. brown, moderately altered granite. Limonite alteration is pervasive and fracture controlled. Up to 1% Limonite.
		39.7 - 40.2	Pervasive Moderate Sericitisation	
40.2 - 41.1	GG			Grey to pinkish grey, weakly to unaltered, massive coarse-grained granite. Faulted lower contact.
		40.2 - 41.1	Fracture Controlled Weak Sericitisation	
41.1 - 45.9	GG			Light to medium brown, moderately altered, coarse grained granite. Alteration is moderate, pervasive sericite alteration with moderate pervasive and fracture controlled limonite oxidation. Limonite up to 1%, hematite up to 0.5% as small disseminations and as fracture surfaces.
		41.1 - 45.9	Pervasive Moderate Sericitisation	
45.9 - 50.3	GG			Light to medium brown, weakly to moderately altered, coarse grained granite. Alteration is pervasive sericite, alteration with pervasive to fracture controlled limonite alteration.
		45.9 - 50.3	Fracture Controlled Weak Sericitisation	
50.3 - 52.7	GG			Light to medium brown, moderately altered, coarse grained granite. Alteration is moderate, pervasive sericite alteration with moderate pervasive and fracture controlled limonite oxidation. Limonite up to 1%, hematite up to 0.5% as small disseminations and as fracture surfaces.
		50.3 - 52.7	Pervasive Moderate Sericitisation	Patchy Moderate Silicification
52.7 - 53.4	FLT			Light brown to cream, intensely altered fault zone. Intense clay alteration and fault gouge.
		52.7 - 53.4	Pervasive Strong Clay	
53.4 - 67.1	GG			Light brown, beige, and cream, moderately to strongly altered, coarse grained granite. Alteration is moderate, pervasive sericite alteration, with weak to moderate pervasive and fracture controlled limonite oxidation. Limonite locally up to 1%.
		53.4 - 67.1	Pervasive Moderate Sericitisation	Patchy Moderate Silicification

67.1 - 72.4	GG		Zone. Brown, moderately altered, moderately oxidized granite. Alteration is patchy to pervasive sericite alteration with patchy silica alteration. Limonite oxidation is moderate, patchy oxidation. Locally up to 1% Limonite.
67.1 - 72.4		Pervasive Moderate Sericitisation	Patchy Moderate Silicification
72.4 - 78.8	GG		Light grey, to pinkish grey, weakly altered coarse grained granite. Alteration is weak, patchy to locally pervasive, sericite alteration.
72.4 - 78.8		Pervasive Weak Sericitisation	
78.8 - 79.5	GG		Brown, moderately altered, moderately oxidized coarse grained granite. Oxidation is fracture controlled and decreases away from the central fracture.
78.8 - 79.5		Pervasive Moderate Sericitisation	
79.5 - 81.0	GG		Light grey, to pinkish grey, weakly altered coarse grained granite. Alteration is weak, patchy to locally pervasive, sericite alteration.
79.5 - 81.0		Pervasive Moderate Sericitisation	Patchy Weak Silicification
81.0 - 81.7	GG		Brown, moderately altered, moderately oxidized coarse grained granite. Oxidation is fracture controlled and decreases away from the central fracture.
81.0 - 81.7		Pervasive Moderate Sericitisation	
81.7 - 84.1	GG		Light grey to pinkish grey, locally weakly altered, coarse grained granite. Alteration is weak patchy (increasing slightly downhole) sericite alteration. Rock mass is generally un-oxidized.
81.7 - 84.1		Patchy Weak Sericitisation	
84.1 - 84.3	FLT		Brown, strongly altered, heavily fractured (almost gouge) fault zone. Alteration is moderate limonite alteration.
84.1 - 84.3		Pervasive Moderate Sericitisation	
84.3 - 91.8	GG		Light grey to pinkish grey, locally weakly altered, coarse grained granite. Alteration is weak patchy (increasing slightly downhole) sericite alteration. Rock mass is generally un-oxidized.
84.3 - 91.8		Patchy Weak Sericitisation	
91.8 - 92.6	GG		Brown, moderately altered, moderately oxidized coarse grained granite. Alteration is pervasive sericite alteration, with moderate limonite oxidation. Up to 1% limonite.
91.8 - 92.6		Pervasive Moderate Sericitisation	
92.6 - 110.0	GG		Light grey to cream, moderately altered, coarse grained granite. Alteration is pervasive sericite alteration. Small (<5cm) zones of fracture controlled limonite alteration. Less than 10% oxidized rock.
92.6 - 110.0		Pervasive Moderate Sericitisation	

Drill Log: CFD0395

Easting	583813.67	Hole Length	215m	Prospect	Supremo T1-2	Drill Started	Aug 05, 2014	Comment
Northing	6973780.48	Azimuth	270°	Target	Infill	Drill Completed	Aug 08, 2014	
Projection	UTM7-NAD83	Dip	-50°	Geologist	HWalsh	Core Size	NQ2	
Survey method	RTK GPS	Elevation	1138.62mASL					

Litholoav and Alteration

Interval	Lith	Texture	Deformation	Comments
0.0 - 9.0	OVb			
9.0 - 18.7	FG	augn	Fol-mod	Grey-green, moderately altered (clay) and oxidized(limonite, hematite), lightly pitted, moderately foliated, felsic gneiss, 15-20% weakly oxidized zones. Small(>2cm quartz veins)
		9.0 - 18.0	Pervasive Weak Sericitisation	Pervasive Weak Biotite
		18.0 - 19.0	Fracture Controlled Moderate Clay	Fracture Controlled Moderate Silicification
				Fracture Controlled Weak Fuchsite
				breccia zone, salicified,pervasive clay alteration, minor fuschite
18.7 - 19.3	YC	bx		breccia zone.grey-brown,moderate salicification, fuschite and clay aleration, moderately oxidized.
		19.0 - 26.0	Pervasive Weak Sericitisation	Patchy Weak Biotite
19.3 - 32.1	FG	mgrn	Fol-mod	Grey-green, lightly pitted, moderately foliated, felsic gneiss, weakly oxidized zones. Minor clay alteration. Fracture controlled/patchy hematite.
		26.0 - 34.0	Pervasive Weak Sericitisation	Fracture Controlled Moderate Clay
32.1 - 32.7	Ylim	bx		Breccia zone.grey-brown,moderate salicification, sericite and clay aleration, moderate limonite.
32.7 - 34.0	FG	mgrn	Fol-mod	Orange, moderately foliated, felsic gneiss, strongly oxidized zones. Minor clay alteration.
34.0 - 35.0	HU	mud		Orange-brown,strong to intense clay alteration (orange mud), strongly oxidized (~ 4%limonite), primary foliation visible in small areas
		34.0 - 34.5	Pervasive Intense Clay	HU zone, no primary minerals visible
		34.5 - 36.5	Pervasive Weak Biotite	Fracture Controlled Moderate Clay
				Pervasive Moderate Silicification
35.0 - 50.3	FG	mgrn	Fol-mod	Grey-Green, moderately foliated felsic gneiss,moderately oxidized,minor biotite,moderate sericite, increasing quartz content downhole.
		36.5 - 41.0	Pervasive Weak Sericitisation	Patchy Weak Clay
		41.0 - 45.7	Pervasive Weak Biotite	Pervasive Weak Silicification
		45.7 - 46.7	Pervasive Weak Sericitisation	Pervasive Moderate Clay
		46.7 - 48.4	Pervasive Weak Sericitisation	Fracture Controlled Weak Clay
		48.4 - 50.3	Pervasive Weak Sericitisation	Pervasive Moderate Silicification
				Pervasive Weak Biotite
50.3 - 51.2	FLT		Fol-wk	Green-Black, chloritized silicified fault. Moderate clay alteration
		50.3 - 50.6	Fracture Controlled Weak Silicification	Fracture Controlled Weak Chlorite
		50.6 - 52.6	Pervasive Weak Biotite	Pervasive Moderate Silicification
51.2 - 57.7	FG	augn	Fol-mod	Grey-Green felsic gneiss, quartz augens throughout, moderately oxidized, with sections of minor oxidation. Moderate sericite alteraion
		52.6 - 63.7	Pervasive Weak Sericitisation	Pervasive Moderate Silicification
				Pervasive Weak Clay
57.7 - 58.0	YC	bx	Fol-wk	small breccia zone, hematized, silicified clasts,minor muscovite shear zone (>2cm) downhole.
58.0 - 83.8	FG	augn	Fol-mod	Grey-Green felsic gneiss, augen texture, mild biotite, sericite and clay alteration. minor oxidation (hematite) - very fresh looking rock. Quartz vein at 80.97m-81.25m, minor pyrite alteration in lower 1m. Lower contact transitional.
		63.7 - 64.0	Pervasive Weak Sericitisation	Pervasive Moderate Clay
		64.0 - 81.0	Pervasive Weak Sericitisation	Pervasive Weak Clay
				Pervasive Weak Biotite
83.8 - 85.7	FG	fgrn	Fol-wk	Light pink felsic gneiss, minor oxidation, minor muscovite, silicified

85.7 - 87.5	FG	augn	Fol-mod	Grey-Green felsic gneiss, augen texture, mild biotite, sericite and clay alteration.Small calcite veins.Minor oxidation (hematite, limonite)		
		85.8 - 99.0	Pervasive	Moderate Silicification	Pervasive Weak Sericitisation	Pervasive Weak Biotite
87.5 - 89.4	FG	fgrn	Fol-mod	Light pink felsic gneiss, minor oxidation, minor muscovite, silicified		
89.4 - 108.0	FG	augn	Fol-wk	Felsic gneiss, heavily oxidized, moderate clay alteration with calcite blebs and stockwork, >30cm of oxide transitional zone at bottom contact		
		99.0 - 99.5	Replaces Felsics	Moderate Clay	Pervasive Moderate Biotite	
		99.5 - 106.6	Pervasive	Moderate Silicification	Pervasive Weak Biotite	Pervasive Weak Sericitisation
		106.6 - 108.4	Pervasive	Moderate Clay	Pervasive Weak Silicification	
108.0 - 108.4	Ycarb	bx		Lim. Breccia, calcite in matrix and stockwork. Mineralized. Strongly oxidized, moderate clay alteration.		
		108.4 - 127.3	Pervasive	Moderate Clay	Pervasive Moderate Silicification	
108.4 - 150.0	MxF	mgrn	Fol-wk	Mixed Gneiss, patchy and fracture controlled oxidation. Moderately silicified and clay and biotite altered.minor calcite veins. At 135m-136.5m:Fracture zone, significantly clay altered. Broken core.		
		127.3 - 135.2	Pervasive	Weak Clay	Vein Selvedge Weak Calcite	Pervasive Weak Silicification
		135.2 - 136.5	Fracture Controlled	Strong Clay		
		136.5 - 139.9	Pervasive	Moderate Clay	Pervasive Weak Silicification	
		139.9 - 142.0	Pervasive	Weak Clay	Pervasive Moderate Silicification	
		142.0 - 149.1	Pervasive	Moderate Clay	Pervasive Moderate Silicification	
		149.1 - 149.5	Pervasive	Weak Clay	Vein Selvedge Weak Calcite	Pervasive Weak Silicification
		149.5 - 153.0	Pervasive	Strong Clay	Pervasive Weak Silicification	Weak
150.0 - 154.0	HU	fgrn	Fol-wk	Altered rock, transitioning in and out of felsic gneiss. Upper contact is clear, strongly clay altered and moderately limonite oxidized. 5 cm of brecciation at upper contact.		
		153.0 - 160.0	Patchy	Moderate Epidote	Pervasive Weak Clay	Vein Selvedge Weak Calcite
154.0 - 164.0	MxF	mgrn	Fol-mod	Mixed gneiss, primary pyrite, minor calcite veining. Mafic dyke from 160m-164m. Oxidized with hematite and epidote staining near dyke contact.calcite veining at upper dyke contact. Upper contact sheared and stress torn.		
		160.0 - 189.8	Patchy	Moderate Epidote	Vein Selvedge Moderate Calcite	Pervasive Weak Clay
164.0 - 215.0	BtS	fgrn	Fol-str	mixed gneiss, transitioning to biotite schist. Very minor primary pyrite, minor calcite, increasing silification downhole. Minor mafic porphyritic dykes near upper contact.Very fresh rock, minimal fractures.. moderately clay altered and deformed from162.4- 163.9m and 185.9m- 193m. milky quartz vein at 198.0m-198.40m		
		189.8 - 190.9	Patchy	Moderate Epidote	Vein Selvedge Moderate Calcite	Pervasive Moderate Clay
		190.9 - 199.7	Patchy	Moderate Epidote	Vein Selvedge Moderate Calcite	Pervasive Weak Clay
		199.7 - 215.0	Pervasive	Moderate Silicification	Vein Selvedge Weak Calcite	Pervasive Weak Biotite

Drill Log: CFD0396

Easting	579676.36	Hole Length	119m	Prospect	Kona	Drill Started	Aug 07, 2014	Comment
Northing	6973059.63	Azimuth	0°	Target	Infill	Drill Completed	Aug 08, 2014	
Projection	UTM7-NAD83	Dip	-50°	Geologist	GDessureau	Core Size	NQ2	
Survey method	RTK GPS	Elevation	1265.68mASL					

Lithology and Alteration

Interval	Lith	Texture	Deformation	Comments
0.0 - 5.6	OVB			Overburden - Rubbly boulders of moderately to strongly oxidized, coarse grained granite.
5.6 - 11.6	FLT	bx		Zone. Light to medium brown, moderately to strongly altered, coarse grained granite. Alteration is moderate to strong pervasive sericite alteration overprinted by moderate limonite oxidation. Up to 1% limonite, and 0.5% hematite.
		5.6 - 11.6	Pervasive Strong Sericitisation	
11.6 - 14.6	GG			Zone. Brown, intensely altered, heavily fractured, granite and fault zone. Several zones of well developed fault gouge. Alteration is intense, pervasive sericite alteration overprinted with intense limonite/hematite alteration. Up to 2% limonite and 1% hematite.
		11.6 - 14.6	Pervasive Strong Sericitisation	Pervasive Moderate Clay
14.6 - 44.0	GG			Zone. Light to medium brown, moderately to strongly altered, coarse grained granite. Alteration is moderate to strong pervasive sericite alteration with minor patchy silica alteration, overprinted by moderate limonite oxidation.
		14.6 - 49.6	Pervasive Strong Sericitisation	Patchy Moderate Silicification
44.0 - 71.6	GG			Zone. Light brown to tan and medium brown, alternating zones of moderately altered and weakly altered coarse grained granite. Oxidation is variable ranging from 10% oxidized to locally 60% oxidized. Zones are generally 2-4m wide and alteration seems to be focused around fracture zones. Least altered zones are least fractured as well.
		49.6 - 71.6	Pervasive Moderate Sericitisation	Patchy Weak Silicification
71.6 - 92.6	GG			Light grey to cream, moderately altered, coarse grained granite. Alteration is pervasive, sericite and weak patchy silica alteration. Little to no oxidation, 1-2mm along fractures.
		71.6 - 92.6	Pervasive Moderate Sericitisation	Patchy Weak Silicification
92.6 - 119.0	GG			Light grey to pinkish grey, locally cream, weakly sericite altered (with small <1m zones of moderate alteration) coarse grained granite. Little to no oxidation.
		92.6 - 119.0	Patchy Weak Sericitisation	

Drill Log: CFD0397

Easting	583871.63	Hole Length	176m	Prospect	Supremo T1-2	Drill Started	Aug 07, 2014	Comment
Northing	6973822.79	Azimuth	270°	Target	Infill	Drill Completed	Aug 09, 2014	
Projection	UTM7-NAD83	Dip	-50°	Geologist	HWalsh	Core Size	NQ2	
Survey method	RTK GPS	Elevation	1145.5mASL					

Lithology and Alteration

Interval	Lith	Texture	Deformation	Comments		
0.0 - 6.7	OVb					
6.7 - 71.0	MxM	band	Fol-wk	Mixed augen Gneiss. Moderately fractured and altered. augen texture. Moderate pervasive clay and biotite alteration. Pitted. Moderate oxidation, predominately limonite, patchy and fracture controlled, increasing downhole. Small 2cm fault at 12m with gouge. small 10cm ductile shear zones at 47m, 50,3m, 59.4m. Limonite is pervasive from 32.5-33m, 43m-44m. Clay alteration strong from 59.5-60m.		
		6.7 - 14.8	Moderate Clay	Pervasive Weak Biotite	Pervasive Weak Sericitisation	
		14.8 - 17.1	Pervasive Moderate Clay	Patchy Moderate Biotite		
		17.1 - 21.5	Pervasive Moderate Clay	Patchy Moderate Biotite	Patchy Weak Chlorite	
		21.5 - 22.0	Pervasive Strong Clay	Patchy Weak Epidote		
		22.0 - 33.0	Pervasive Moderate Biotite	Pervasive Weak Clay		
		33.0 - 33.9	Pervasive Weak Biotite	Pervasive Moderate Clay		
		33.9 - 42.3	Pervasive Weak Biotite	Pervasive Weak Clay	Weak Sericitisation	
		42.3 - 43.5	Pervasive Moderate Clay	Pervasive Weak Biotite	Pervasive Weak Sericitisation	
		43.5 - 59.5	Pervasive Weak Clay	Pervasive Weak Biotite	Pervasive Weak Sericitisation	manganese bloom on fractures at 52m.
		59.5 - 60.0	Pervasive Moderate Clay	Pervasive Weak Biotite	Pervasive Weak Sericitisation	
		60.0 - 65.7	Pervasive Weak Clay	Pervasive Weak Biotite	Pervasive Weak Sericitisation	
		65.7 - 67.7	Pervasive Moderate Clay	Pervasive Weak Biotite	Pervasive Weak Sericitisation	
		67.7 - 71.0	Pervasive Weak Clay	Pervasive Weak Biotite	Pervasive Weak Sericitisation	
71.0 - 89.0	MxM	augn	Fol-wk	Mixed augen Gneiss, Increased silicification, weakly fractured. minor sooty pyrite, approx. 0.1%. Weak clay and biotite alteration. Pitted. Oxidation moderate and patchy/fracture controlled.		
		71.0 - 76.2	Pervasive Moderate Silicification	Pervasive Weak Sericitisation	Patchy Weak Clay	
		76.2 - 76.7	Pervasive Weak Silicification	Pervasive Moderate Clay	Pervasive Weak Sericitisation	broken core, minor gouge
		76.7 - 79.8	Pervasive Moderate Silicification	Patchy Weak Clay	Pervasive Weak Sericitisation	
		79.8 - 82.0	Patchy Moderate Chlorite	Pervasive Moderate Silicification		Quartz vein, porphyritic chlorite. Chlorite bleeding into surrounding gneiss.
		82.0 - 83.3	Pervasive Moderate Silicification	Patchy Moderate Clay	Pervasive Moderate Biotite	
		83.3 - 84.0	Replaces Felsics Weak Silicification	Fracture Controlled Moderate Clay	Pervasive Moderate Biotite	Clay in surrounding deformed and fractured zones.
		84.0 - 88.9	Pervasive Moderate Silicification	Patchy Weak Clay	Pervasive Weak Biotite	
		88.9 - 92.2	Replaces Clasts Moderate Clay	Patchy Weak Chlorite	Patchy Weak Sericitisation	dendritic manganese bloom on fractures, chlorite in fracture zones, bleeding into surrounding core.
89.0 - 101.3	HU		Fol-mod	heavily oxidized and hydrothermally deformed core. Transitioning in and out of HU to MxM. 0.5% sooty pyrite. Fracture zone, very broken and strongly clay altered with small zones of gouge. Dendritic manganese bloom on fractures. minor sericite alteration. Small Ylim at 101m. The primary gneissic texture is still visible in some areas throughout the HU.		
		92.2 - 94.3	Replaces Clasts Moderate Clay	Pervasive Weak Sericitisation		
		94.3 - 101.3	Replaces Clasts Moderate Clay	Pervasive Weak Sericitisation		

101.3 - 154.9	MxM	augn	Fol-mod	Mixed Gneiss, increasingly BtS down hole. transitioning in and out of augen textured gneiss and biotite schist. Biotite and Silicification predominate alteration. Primary pyrite from ~110m. small shear zones at 129.5m and 138.2 m. Fracture zone from 115.1-117m, broken core, highly oxidized. >1cm calcite and quartz veins throughout. 4cm chloritized calcite vein at 129.7m. 4cm quartz biotite vein at 130.5m.		
				101.3 - 108.3	Pervasive Moderate Silicification	Pervasive Weak Sericitisation
				108.3 - 109.7	Pervasive Moderate Silicification	Pervasive Weak Sericitisation Patchy Weak Epidote light green coloured in patches, probable epidote.
				109.7 - 115.0	Pervasive Moderate Silicification	Weak Sericitisation
				115.0 - 118.8	Pervasive Weak Silicification	Pervasive Moderate Clay
				118.8 - 119.9	Pervasive Moderate Silicification	Pervasive Weak Clay
				119.9 - 123.0	Pervasive Moderate Silicification	Patchy Weak Chlorite
				123.0 - 125.0	Pervasive Moderate Silicification	Patchy Weak Sericitisation
				125.0 - 127.5	Replaces Clasts Moderate Clay	Pervasive Weak Sericitisation Pervasive Weak Biotite
				127.5 - 148.7	Pervasive Weak Silicification	Pervasive Weak Sericitisation Pervasive Moderate Biotite
				148.7 - 154.9	Pervasive Weak Silicification	Replaces Clasts Weak Clay Patchy Weak Biotite
154.9 - 156.9	FC	mgrn		Dacite dyke, no clear contacts, rare quartz phenocrysts, minor pyrite. weak clay and possible chlorite alteration. calcite and quartz veining.		
		154.9 - 156.9		Pervasive Weak Chlorite		
156.9 - 159.4	AmBtS	cgrn	Fol-wk	Coarse textured amphibole and biotite. amphibole needles visible. Primary pyrite. Minor epidote.		
		156.9 - 159.4		Patchy Weak Epidote Pervasive Weak Chlorite		
159.4 - 166.4	MxM	augn	Fol-wk	Grey-green, weakly clay and biotite altered. fracture controlled oxidation very weak. minor primary and smoky pyrite.		
		159.4 - 165.7		Pervasive Weak Chlorite		
		165.7 - 172.8		Pervasive Moderate Clay	Patchy Weak Calcite	Pervasive Moderate Sericitisation Frature zone
166.4 - 169.0	FLT		Fol-wk	Strongly sheared and fractured biotite schist. Gouge. Weak to no hematite oxidation. Strongly clay altered. breccia visible in broken core at 167.4m. breccia: clay and dolomite clast supported rock flour chaotic monomictic medium grained schist.		
169.0 - 172.4	MxM	mgrn	Fol-mod	Augen gneiss, strongly clay altered and fractured, primary texture and relict augens visible. Slight hematite oxidation.		
172.4 - 176.0	FC	fgrn		Fresh dacite dyke. fine grained texture, thin calcite veins. No oxidation or alteration observed.		
		172.8 - 176.0		Pervasive Weak Clay	Weak Calcite	

Drill Log: CFD0398

Easting	585151.64	Hole Length	164m	Prospect	Double Double	Drill Started	Aug 08, 2014	Comment	Hole shut down early (TD-260m).
Northing	6973387.35	Azimuth	180°	Target	Infill	Drill Completed	Aug 09, 2014		Trending too far to west, approaching next fence.
Projection	UTM7-NAD83	Dip	-50°	Geologist	KGrodzicki	Core Size	NQ2		
Survey method	RTK GPS	Elevation	1116.95mASL						

Litholoav and Alteration

Interval	Lith	Texture	Deformation	Comments
0.0 - 15.3	OVB			
15.3 - 31.7	BtS	band	Fol-mod	Predominantly biotite feldspar schist with bands of felsic augen gneiss. Rare carbonate veinlets and ferroan carbonate veinlets cross cutting fabric.
		15.3 - 30.8	Pervasive Moderate Chlorite	Pervasive Weak Clay Pervasive Weak Silicification
		30.8 - 33.3	Pervasive Weak Clay	Pervasive Weak Silicification Replaces Matrix Weak Calcite
31.7 - 33.5	FG	augn	Fol-mod	Pinky purple augen felsic gneiss. Ferroan carbonate veinlets parallel to foliation and rarely cross cutting foliation.
		33.3 - 56.2	Pervasive Moderate Chlorite	Pervasive Weak Silicification Pervasive Weak Clay
33.5 - 38.8	BtS	band	Fol-mod	Clay altered, rubbly fault zone in biotite schist.
38.8 - 55.3	BtS	band	Fol-mod	Predominantly biotite schist with bands of pink felsic augen gneiss. Abundant feldspar phenocrysts. Carbonate veinlets parallel to foliation and cross cutting foliation.
55.3 - 56.8	BtS	band	Fol-wk	Oxidised, rubbly, caly rich fault zone. Still possible to see weak schistosity. Moderate limonites.
		56.2 - 58.8	Pervasive Weak Clay	Pervasive Weak Silicification Pervasive Moderate Calcite
56.8 - 58.9	BtS	band	Fol-wk	Oxidised biotite schist. Weak limonite. White carbonate mm veinlets forming 'spider veins' and weak crackle breccia.
		58.8 - 70.4	Pervasive Moderate Chlorite	Pervasive Weak Clay Pervasive Weak Silicification
58.9 - 70.0	BtS	band	Fol-mod	Biotite schist with haematite altered fractures. Rare gneissic bands with feldspar phenocrysts.
70.0 - 83.8	BtS	band	Fol-mod	Biotite schist with rare gneissic bands. Altered fspar phenocrysts. Carbonate veinlets cross cutting foliation and rarely cutting earlier creamy white to translucent grey qtz veins.
		70.4 - 71.5	Pervasive Moderate Chlorite	Pervasive Weak Clay Pervasive Moderate Silicification
		71.5 - 72.0	Pervasive Moderate Chlorite	Pervasive Weak Clay Pervasive Moderate Silicification
		72.0 - 82.5	Pervasive Weak Chlorite	Pervasive Weak Clay Pervasive Weak Sericitisation
		82.5 - 84.5	Pervasive Moderate Chlorite	Pervasive Moderate Clay Pervasive Weak Sericitisation
83.8 - 105.1	MxM	band	Fol-mod	Interbedded biotite schist and felsic gneiss. Biotite schist has altered carbonate matrix. Little to none carbonate alteration of felsic bands. Carbonate veinlets parallel to foliation and also cross cutting foliation. Milky white to translucent grey quartz veins. Locally cross cut and offset by cabonate veinlets.
		84.5 - 89.9	Pervasive Moderate Chlorite	Pervasive Weak Clay Pervasive Weak Sericitisation
		89.9 - 90.9	Pervasive Moderate Silicification	
		90.9 - 92.4	Pervasive Moderate Chlorite	Pervasive Weak Clay Pervasive Weak Sericitisation
		92.4 - 93.7	Pervasive Moderate Chlorite	Pervasive Moderate Clay Pervasive Moderate Sericitisation
		93.7 - 95.7	Pervasive Moderate Silicification	Pervasive Weak Clay Pervasive Weak Sericitisation
		95.7 - 96.1	Pervasive Strong Clay	Pervasive Moderate Chlorite Pervasive Moderate Sericitisation
		96.1 - 97.2	Pervasive Moderate Clay	Pervasive Moderate Chlorite Pervasive Weak Sericitisation
		97.2 - 98.2	Pervasive Moderate Clay	Pervasive Moderate Chlorite Pervasive Moderate Sericitisation
		98.2 - 100.7	Pervasive Weak Clay	Pervasive Moderate Silicification
		100.7 - 108.9	Pervasive Moderate Chlorite	Pervasive Weak Clay Pervasive Weak Sericitisation

105.1 - 162.9	BtS	band	Fol-mod	Alternating units of moderately foliated to weakly or not foliated. Areas of weaker foliation have less matrix calcite and chlorite alteration. Local pyrite replacement of matrix biotite.		
		108.9 - 109.3	Pervasive Weak Clay			
		109.3 - 115.3	Pervasive Weak Chlorite	Pervasive Weak Clay	Pervasive Moderate Calcite	
		115.3 - 116.0	Pervasive Weak Clay	Weak		
		116.0 - 146.7	Pervasive Weak Chlorite	Pervasive Weak Clay	Pervasive Moderate Calcite	
		146.7 - 150.1	Pervasive Weak Chlorite	Pervasive Weak Clay	Pervasive Moderate Calcite	
		150.1 - 164.0	Pervasive Weak Calcite	Pervasive Weak Clay	Pervasive Moderate Calcite	
162.9 - 163.7	BtS	band	Fol-mod	Predominantly biotite schist with bands of felsic gneiss.		
163.7 - 164.0	BtS	band	Fol-mod	Biotite gneiss to EOH at 164 m		

Drill Log: CFD0399

Easting	579776.44	Hole Length	113m	Prospect	Kona	Drill Started	Aug 08, 2014	Comment
Northing	6973097.34	Azimuth	0°	Target	Infill	Drill Completed	Aug 09, 2014	
Projection	UTM7-NAD83	Dip	-50°	Geologist	GDessureau	Core Size	NQ2	
Survey method	RTK GPS	Elevation	1249.99mASL					

Lithology and Alteration

Interval	Lith	Texture	Deformation	Comments
0.0 - 8.9	OVb			Overburden - Rubbly boulders of altered, oxidized coarse grained granite.
8.9 - 13.6	GG			Light grey to pinkish grey and brown, locally moderately altered and oxidized along fractures with less altered (relatively fresh) granite between fracture zones. Oxidized zones range from 10-15cm up to 50cm. Up to 1% Limonite within oxidized zones.
		8.9 - 13.6	Patchy Weak Sericitisation	
13.6 - 29.7	GG			Zone. Light to medium brown, moderately altered, moderately oxidized, coarse grained granite. Alteration is moderate to strong, pervasive sericite alteration with weak patchy silica alteration. Oxidation is patchy and fracture controlled with some strongly altered, relatively un-oxidized zones with fine grained disseminated sooty pyrite.
		13.6 - 29.7	Pervasive Strong Sericitisation	Patchy Weak Silicification
29.7 - 29.9	DIOR			Light grey, weakly altered, massive, fine to very fine grained diorite. Abundant small (<0.5mm) plagioclase crystals in a dark grey very fine grained aphanitic matrix.
		29.7 - 29.9	Pervasive Moderate Sericitisation	
29.9 - 30.3	GG			Light to medium brown, moderately altered, moderately oxidized, coarse grained granite (fragment in diorite dyke?).
		29.9 - 30.3	Patchy Weak Sericitisation	
30.3 - 33.0	DIOR			Zone. Medium to dark grey, weakly to locally moderately altered, massive, fine to very fine grained diorite. Alteration is weak patchy sericite alteration with weak to moderate, fracture controlled, limonite oxidation. Limonite up to 1%.
		30.3 - 33.0	Patchy Moderate Sericitisation	
33.0 - 33.4	GG			Grey to pinkish grey, relatively unaltered granite (fragment?) with the diorite dyke.
		33.0 - 33.4	Patchy Weak Sericitisation	
33.4 - 36.1	DIOR			Medium to dark grey, weakly altered to relatively unaltered, massive, fine to very fine grained diorite.
		33.4 - 36.1	Patchy Weak Sericitisation	
36.1 - 38.0	DIOR			Zone. Light to medium brown, weakly to moderately altered, moderately oxidized, fine grained, massive diorite. Alteration is weak to moderate sericite alteration. Limonite oxidation is fracture controlled and most intense with 1-2 cm of fracture boundaries. Limonite locally up to 2%.
		36.1 - 38.0	Pervasive Moderate Sericitisation	
38.0 - 40.2	GG			Zone. Light to medium brown, intensely altered, moderately oxidized, weakly brecciated, coarse grained granite. Cut by 10cm sooty pyrite-silica veins with 10cm halo of abundant sooty pyrite. Up to 5% sooty pyrite. Up to 2% Limonite, 0.5% Hematite.
		38.0 - 40.2	Pervasive Strong Sericitisation	Patchy Moderate Silicification
40.2 - 40.5	DIOR			Zone. Light grey to light brown, weakly to moderately altered, fine grained diorite dyke. Alteration is strongest near dyke margins, with up to 5% sooty pyrite in moderately oxidized dyke margins. Up to 2% Limonite.
		40.2 - 40.5	Pervasive Strong Sericitisation	Pervasive Moderate Silicification
40.5 - 46.5	GG			Light grey to pinkish grey, weakly to locally moderately altered coarse grained granite. Weak 10-200cm alteration and oxidation along fractures. Alteration decreases downhole.
		40.5 - 46.5	Pervasive Strong Sericitisation	Pervasive Moderate Silicification
46.5 - 47.4	FLT			Brown, moderately to strongly altered, strongly oxidized fault zone with minor weakly developed fault gouge. Limonite up to 1%.
		46.5 - 47.4	Pervasive Strong Sericitisation	Pervasive Moderate Silicification

47.4 - 53.3	GG	Light grey to pinkish grey, weakly altered coarse grained granite. Plagioclase is weakly altered to light green sericite, K-feldspar is relatively unaltered. Weak 5-10cm alteration and oxidation along fractures.		
		47.4 - 53.3	Pervasive Strong Sericitisation	Weak Silicification
53.3 - 56.9	GG	Light grey, moderately altered, coarse grained granite. Alteration is moderate pervasive, sericite alteration.		
		53.3 - 56.9	Pervasive Weak Sericitisation	
56.9 - 71.6	GG	Light grey to pinkish grey, weakly altered coarse grained granite. Plagioclase is weakly altered to light green sericite, K-feldspar is relatively unaltered. Weak 5-10cm alteration and oxidation along fractures.		
		56.9 - 71.6	Pervasive Moderate Sericitisation	Patchy Weak Clay
71.6 - 84.3	GG	Grey to cream, moderately altered, non-oxidized, coarse grained granite. Alteration is moderate pervasive, sericite alteration with patchy weak clay alteration. Fine grained sooty pyrite has replaced the biotite. Up to 5% sooty pyrite.		
		71.6 - 84.3	Pervasive Weak Sericitisation	
84.3 - 103.5	GG	Grey to pinkish grey, relatively unaltered, coarse grained granite. Small zones (<1m) of weak sericite alteration.		
		84.3 - 103.1	Pervasive Strong Sericitisation	Patchy Weak Silicification
		103.1 - 105.4	Pervasive Moderate Sericitisation	Patchy Weak Clay
103.5 - 105.4	GG	Light grey to light greenish grey, moderately to strongly altered, un-oxidized, coarse grained granite. Alteration is pervasive moderate to locally strong sericite alteration, with patchy silica alteration. 104.35-104.45 - quartz arsenopyrite vein with 50% arsenopyrite.		
105.4 - 113.0	GG	Grey to pinkish grey, relatively unaltered, coarse grained granite.		
		105.4 - 113.0	Pervasive Weak Sericitisation	

Drill Log: CFD0400

Easting	579801.84	Hole Length	191m	Prospect	Kona	Drill Started	Aug 09, 2014	Comment
Northing	6973096.05	Azimuth	180°	Target	Metallurgy	Drill Completed	Aug 11, 2014	
Projection	UTM7-NAD83	Dip	-79°	Geologist	GDessureau	Core Size	NQ2	
Survey method	RTK GPS	Elevation	1246.27mASL					

Lithology and Alteration

Interval	Lith	Texture	Deformation	Comments
0.0 - 8.0	OVb			Overburden - Rubbly boulders of altered, oxidized coarse grained granite.
8.0 - 21.2	GG	sand		Zone. Brown, rubbly, weathered, moderately altered, moderately to strongly oxidized, coarse grained granite. Weathering has produced a rough, pitted core, where clay (likely) minerals have been removed. Abundant rubbly zones of small pebbles or coarse sand. Limonite up to 2% focused around fractures.
		8.0 - 21.2	Pervasive Strong Sericitisation	Pervasive Weak Clay
21.2 - 26.2	Ylim	bx		Zone. Brown, strongly altered, strongly oxidized, coarse grained granite. Alteration is strong pervasive sericite-clay alteration overprinted by strong to intense limonite alteration. Limonite alteration is generally texturally destructive although small zones of brecciation are visible. Abundant (5-10%) black blebby (Mn) mineral possibly pyrolusite. Limonite up to 4%, hematite up to 1%.
		21.2 - 26.2	Pervasive Strong Sericitisation	Patchy Weak Clay
26.2 - 26.9	YC	bx		Light brown to cream, strongly clay altered, silicified clast breccia with clay alteration. Alteration is strong pervasive clay alteration with small relict quartz fragments in clay matrix. Upper contact sharp at 20m ca
		26.2 - 26.9	Pervasive Intense Clay	Strong Sericitisation
26.9 - 37.6	Ylim	bx		Zone. Brown, strongly altered, strongly oxidized, coarse grained granite. Alteration is strong pervasive sericite-clay alteration overprinted by strong to intense limonite alteration. Limonite alteration is generally texturally destructive although small zones of brecciation are visible. Abundant (5-10%) black blebby (Mn) mineral possibly pyrolusite. Limonite up to 4%, hematite up to 1%.
		26.9 - 37.6	Pervasive Strong Sericitisation	Patchy Weak Clay
37.6 - 43.5	FLT	sand		Brown, to light brown, moderately to strongly altered, moderately to strongly oxidized, fault zone within the granite. Coarse sand to pebble sized rubble with narrow zone of well developed fault gouge. Alteration is pervasive sericite alteration with moderate to strong, pervasive limonite oxidation. Oxidation and alteration are strongest at the top of the fault and weakest at the lower contact of the fault. Limonite up to 2%, Hematite up to 1%
		37.6 - 43.5	Pervasive Strong Sericitisation	Patchy Weak Clay
43.5 - 48.9	GG			Light grey to light brown weakly to moderately altered, weakly oxidized coarse grained granite. Alteration is weak to (locally) moderate sericite alteration with weak pervasive limonite oxidation.
		43.5 - 48.9	Pervasive Moderate Sericitisation	
48.9 - 49.5	FLT	sand		Light brown, rubbly fault zone. Coarse sand to pebble sized rubble of coarse grained granite. Weak pervasive alteration and oxidation.
		48.9 - 49.5	Pervasive Moderate Sericitisation	
49.5 - 50.9	GG			Light grey to light brown, weakly altered, weakly oxidized coarse grained granite. Altered upper contact at 20m ca. and sharp, unaltered lower contact at 90m ca. Weak limonite alteration along the fractures with a 1-2cm oxidized margin.
		49.5 - 50.9	Pervasive Weak Sericitisation	
50.9 - 51.9	DIOR			Light grey, weakly altered, fine grained quartz diorite dyke. Abundant 0.5mm feldspar crystals in a fine grained quartz, biotite, feldspar matrix. Rare weak oxidation along fracture surfaces.
		50.9 - 51.9	Pervasive Weak Sericitisation	
51.9 - 59.2	GG			Light grey, weakly altered, locally weakly oxidized, coarse grained granite. Alteration is weak pervasive sericite alteration (mostly fresh biotite), with weak limonite alteration along fractures
		51.9 - 59.2	Pervasive Weak Sericitisation	
59.2 - 59.4	FLT	sand		Brown, moderately altered, moderately oxidized fault zone, with sand to pebble sized rubble.
		59.2 - 59.4	Pervasive Moderate Sericitisation	

59.4 - 68.7	GG		Light grey, weakly altered, locally weakly oxidized, coarse grained granite. Alteration is weak pervasive sericite alteration (mostly fresh biotite), with weak limonite alteration along fracture
59.4 - 68.7		Pervasive Weak Sericitisation	
68.7 - 84.3	GG		Light grey and pinkish grey, relatively unaltered coarse grained granite.
84.3 - 92.6	GG		Light grey and pinkish grey, weakly altered, coarse grained granite
84.3 - 92.6		Patchy Weak Sericitisation	
92.6 - 93.2	GG		Brown moderately altered, moderately oxidized coarse grained granite and fault zone. Rock is rubbly with sand to pebble sized clasts. Alteration is pervasive sericite alteration. Oxidation is moderate pervasive, limonite oxidation.
92.6 - 93.2		Pervasive Moderate Sericitisation	
93.2 - 102.2	GG		Light grey and pinkish grey, weakly altered, coarse grained granite.
93.2 - 102.3		Patchy Weak Sericitisation	
102.2 - 103.1	GG		Light brown, moderately altered, relatively un-oxidized, coarse grained granite. Fine disseminated limonite up to 1%, decreasing away from fractures.
102.3 - 103.1		Pervasive Weak Sericitisation	
103.1 - 104.9	GG		Light grey, weakly altered, relatively un-oxidized, coarse grained granite.
103.1 - 104.9		Pervasive Weak Sericitisation	
104.9 - 105.6	GG		Light brown, moderately altered, relatively un-oxidized, coarse grained granite. Fine disseminated limonite up to 1%, decreasing away from fractures.
104.9 - 105.6		Pervasive Weak Sericitisation	
105.6 - 110.0	GG		Grey, moderately altered, weakly oxidized (along fractures), coarse grained granite. Most biotite crystals are unaltered.
105.6 - 110.0		Pervasive Weak Sericitisation	
110.0 - 121.9	GG		Zone. Brown to yellowish brown, moderately to strongly altered, moderately oxidized, coarse grained granite. Alteration is strong pervasive, sericite alteration with moderate, patchy clay alteration. Rock mass is moderately oxidized with disseminated and fracture controlled limonite with abundant 1-2cm pyroclastic crystals associated with limonite. Up to 2% Limonite, up to 1% hematite.
110.0 - 121.9		Pervasive Moderate Sericitisation	Pervasive Weak Clay
121.9 - 133.1	GG		Light grey, moderately to strongly altered, relatively un-oxidized, coarse grained granite. Alteration is moderate to strong, pervasive sericite alteration, with moderate to strong, patchy to pervasive silica alteration. Rock mass is relatively un-oxidized.
121.9 - 133.1		Pervasive Moderate Sericitisation	Pervasive Moderate Silicification Patchy Weak Clay
133.1 - 138.1	FLT		Light grey, strongly altered, fault zone. And breccia: Clay-sericite altered, quartz clast, rock flour, poorly sorted, mud to medium grained, fault zone breccia.
133.1 - 138.1		Pervasive Strong Clay	Pervasive Strong Sericitisation
138.1 - 142.9	GG		Zone. Brown, and bright green (fuchsite), moderately to strongly altered, moderately oxidized, coarse grained granite.
138.1 - 142.9		Pervasive Moderate Sericitisation	Pervasive Weak Clay
142.9 - 150.8	GG		Light grey, and greenish-grey, weakly altered, relatively un-oxidized, coarse grained granite. Abundant 0.1-0.5cm pale green mineral (diopside) and several small (0.1cm) reddish garnets. This unit could be an endoskarn.
142.9 - 150.8		Pervasive Weak Sericitisation	
150.8 - 158.9	FLT		Sulphide Zone. Grey, intensely altered, unoxidized, fault zone consisting of mud, sand, and pebble sized fragments in a clay altered matrix and fault gouge. Alteration is intense, pervasive clay-sericite alteration. Mineralization is fine grained disseminated sooty pyrite and/or arsenopyrite.
150.8 - 158.9		Pervasive Intense Clay	Pervasive Intense Sericitisation
158.9 - 164.2	GG		Sulphide Zone. Grey, intensely altered, unoxidized coarse grained granite. Alteration is intense, pervasive, sericite-clay alteration with weak to moderate patchy silica alteration. Mineralization is fine grained disseminated sooty pyrite or arsenopyrite, and narrow (<1mm) sooty pyrite veinlets.
158.9 - 164.2		Pervasive Intense Sericitisation	Pervasive Moderate Clay Patchy Moderate Silicification
164.2 - 166.6	GG		Moderately to strongly altered, moderately oxidized coarse grained granite. Alteration is pervasive sericite alteration with minor weak clay alteration. Oxidation is weak to moderate disseminated limonite alteration. Limonite locally up to 2%.
164.2 - 166.6		Pervasive Moderate Sericitisation	Weak Clay
166.6 - 191.0	GG		Grey to locally brown, weakly altered, locally weakly oxidized coarse grained granite. Alteration is weak pervasive sericite (fresh biotite), limonite oxidation is fracture controlled and weak to moderate within 1-2cm of fractures.
166.6 - 191.0		Pervasive Weak Sericitisation	

Drill Log: CFD0401

Easting	585200.27	Hole Length	233m	Prospect	Double Double	Drill Started	Aug 09, 2014	Comment
Northing	6973388.96	Azimuth	180°	Target	Infill	Drill Completed	Aug 13, 2014	
Projection	UTM7-NAD83	Dip	-50°	Geologist	CDavis	Core Size	NQ2	
Survey method	RTK GPS	Elevation	1111.37mASL					

Lithology and Alteration

Interval	Lith	Texture	Deformation	Comments
0.0 - 17.0	OVb			mixed gneiss boulders
17.0 - 20.5	Mxm	band		Grey-green moderately fractured Mixed Gneiss. Alteration is weak to moderate pervasive sericite clay and biotite. Weak limonite oxidation is fracture controlled. quartz vein at 19.4m.
		17.0 - 20.5	Patchy Weak Clay	Pervasive Moderate Biotite Patchy Weak Epidote
20.5 - 23.4	FLT	lamn		abundant broken core with minor gouge. Mxm clasts visible in less fractured areas. Limonite fracture controlled and strong. Moderate clay alteration.
		20.5 - 23.9	Pervasive Strong Clay	Patchy Weak Sericitisation
23.4 - 49.7	Mxm	band		Grey-green weak to moderately fractured mixed gneiss with pervasive weak clay alteration, minor sericite, biotite, and epidote and >2mm calcite veins. Oxidation is weak and fracture controlled. 4 cm quartz vein at 25.75m.
		23.9 - 33.6	Pervasive Weak Clay	Pervasive Moderate Biotite Vein Seldedge Weak Calcite
		33.6 - 36.4	Replaces Felsics Moderate Clay	Pervasive Weak Sericitisation Patchy Weak Calcite
		36.4 - 46.3	Pervasive Weak Clay	Pervasive Moderate Biotite Pervasive Weak Chlorite
		46.3 - 55.0	Pervasive Moderate Clay	Pervasive Moderate Biotite Pervasive Weak Chlorite
49.7 - 54.3	FLT	lamn		abundant broken core with minor gouge (50.80-50.95m). Mxm clasts visible in less fractured areas. Limonite oxidation fracture controlled and weak. Moderate clay alteration, strong in more fractured areas.
54.3 - 56.1	BtS	lamn		Biotite schist with strong to intense clay alteration, primary mineral fabric weakly visible. Minor oxidation
		55.0 - 56.9	Pervasive Strong Clay	Pervasive Strong Sericitisation clay overprinting primary texture, unconsolidated.
56.1 - 58.5	BtS	lamn		biotite schist, hard with some soft intervals, frac controlled clay alt, strong blocky
		56.9 - 58.1	Pervasive Moderate Clay	Pervasive Moderate Sericitisation Pervasive Weak Chlorite
		58.1 - 60.4	Pervasive Strong Clay	Pervasive Moderate Sericitisation muddy textured clay
58.5 - 59.9	BtS	bxi		biotite schist weakly-mod bx, 58.5-59.15m strong clay alt pebbly-crumblly, 59.15-59.90m weak perv clay mod perv oxide, 0.5 frac hem, 0.25 frac lim, 59.90 bx contact subparallel sch
59.9 - 68.0	Mxm	band		pink felsic gneiss and green bt sch, 0.1% frac lim +/- hem
		60.4 - 68.0	Pervasive Moderate Clay	Pervasive Moderate Chlorite Pervasive Weak Silicification
68.0 - 68.9	BtS	lamn		Biotite schist with strong to intense clay alteration, primary mineral fabric weakly visible. Minor oxidation
		68.0 - 68.9	Pervasive Strong Clay	Pervasive Moderate Chlorite very friable to malleable, sch preserved
68.9 - 78.2	BtS	lamn		Biotite schist, strong chl (dark green) alt with patchy ser+ sil (light green) bands, strong, weak diss-frac brown rust +/- fresh py cubes (74.80-75.10m)
		68.9 - 78.2	Pervasive Moderate Chlorite	Patchy Moderate Sericitisation Patchy Moderate Silicification
78.2 - 82.8	BtS	lamn		Biotite schist with strong to intense clay alteration, primary mineral fabric weakly visible. Minor oxidation
		78.2 - 82.8	Pervasive Strong Clay	Pervasive Moderate Chlorite very friable to malleable, sch preserved
82.8 - 95.9	Mxm	band		pink felsic gneiss and green-grey biotite schist, hard, mod-strong sil felsics, mod per chl and weak lam carb in schist, no ox, 0.1% frac lim + hem
		82.8 - 131.6	Pervasive Moderate Chlorite	Replaces Felsics Moderate Silicification Replaces Felsics Weak Calcite
95.9 - 131.6	BtS	lamn		green-grey biotite schist, hard, mod-strong sil felsics, mod per chl and weak lam carb in schist, no ox, 0.1% frac lim + hem, trace cube py

131.6 - 133.0	Ycarb	bx	Limonite - carb - altered, in-situ - clast supported, laminated limonite - carb matrix, carb cemented, medium grained breccia			
131.6 - 133.0			Pervasive Strong Calcite	Vein Seldge Moderate Silicification		
133.0 - 142.3	BtS	lamn	biotite schist, intact, variable chloritic and carbonate alteration, minor leux, trace pyrite			
133.0 - 142.3			Pervasive Moderate Chlorite	Replaces Mafics Strong Leucoxene	Pervasive Weak Calcite	
142.3 - 146.4	BtS	lamn	stronger hem and possible potassic alteration, intense void filling sericite/chloite at base 40cm			
142.3 - 146.4			Pervasive Moderate Chlorite	Pervasive Weak Calcite	Vein Seldge Moderate Sericitisation	open filling of sericite / chlorite at base of interval
146.4 - 149.1	YO	bx	Carb - qtz - lim altered, monomict with silicified clast support clasts - qtz carb matrix / cement, medium grained breccia			
			icified qtz clasts, remnant fol'n visible			
146.4 - 149.1			Pervasive Strong Calcite	Pervasive Strong Silicification	Pervasive Weak Clay	even distribution of carb and silicic alt
149.1 - 156.3	BtS	lamn	quartz - sericite altered BtS - no carb, patchy oxidized (lim) near top of interval, blotchy hem grading to fol'n controlled, up to 0.25% sooty pyrite 151.20 to 151.50.			
149.1 - 156.3			Pervasive Moderate Silicification	Pervasive Moderate Sericitisation	Pervasive Weak Chlorite	
156.3 - 159.5	BtS	lamn	intensely quartz - sericite - limonite altered BtS with zones (<1/4) silicified clast breccia			
156.3 - 159.5			Pervasive Strong Silicification	Replaces Felsics Strong Sericitisation		
159.5 - 164.7	BtS	lamn	qtz - sericite - chlorite altered with some minor seggregation of qfp bands and augens developing, carb and lim increasing, restricted to fol'n and fractures			
159.5 - 164.7			Pervasive Weak Silicification	Pervasive Weak Sericitisation	Pervasive Moderate Chlorite	
164.7 - 191.0	BtS	lamn	broad unit of consistent qtz - sericite - chlorite altered BtS, minor calcite veinlets throughout, some more psammitic beds (<1m, <20% interval), brassy pyrite more common, as is leucoxene			
164.7 - 191.0			Pervasive Weak Silicification	Pervasive Weak Sericitisation	Pervasive Moderate Chlorite	
191.0 - 194.6	Ycarb	bx	Carb - sericite - lim altered, monomict, vuggy matrix, angular bt schist clasts, fine to course grained, vein breccia			
191.0 - 194.6			Vein Seldge Moderate Calcite	Vein Seldge Weak Sericitisation	Pervasive Moderate Silicification	close juxtaposition (within a metre) of silicified (no carb) and carb altered protolith
194.6 - 198.8	BtS	lamn	qtz - sericite - chlorite altered BtS, variable carb mostly in veinlets			
194.6 - 198.8			Pervasive Weak Silicification	Pervasive Weak Sericitisation	Pervasive Moderate Chlorite	
198.8 - 206.4	BtS	lamn	mixed zone ranging from intact BtS, to qtz - sericite - illmenite - (+/-) carb, and two zones Ycarb (20% interval) - carb / clay altered, monomict, angular clast - supported BtS, fine to med grained, vein breccia, leucoxene and pyrite visible in more intact BtS			
198.8 - 206.4			Pervasive Moderate Silicification	Pervasive Weak Sericitisation	Pervasive Moderate Chlorite	
206.4 - 210.1	BtS	lamn	intact qtz - sericite - chlorite alt BtS, leucoxene visible, minor qtz veins, fol'n parallel carb veins through			
206.4 - 210.1			Pervasive Weak Silicification	Pervasive Weak Sericitisation	Pervasive Moderate Chlorite	
210.1 - 211.2	BtS	lamn	strong qtz - carb alteration / veining fol'n parallel, one drusy qtz vein, limonite throughout, hem on fractures			
210.1 - 211.2			Pervasive Moderate Silicification	Pervasive Weak Sericitisation	Pervasive Moderate Chlorite	
211.2 - 214.5	BtS	lamn	intact qtz - chlorite - carb - sericite alteration with both qtz and carb veins cutting oblique to fol'n, dissem carb as well			
211.2 - 214.5			Pervasive Moderate Silicification	Pervasive Weak Sericitisation	Pervasive Moderate Chlorite	
214.5 - 217.1	BtS	lamn	strong qtz - lim - carb - clay altered zone, core by natural rubble interval (~1m)			
214.5 - 217.1			Pervasive Moderate Silicification	Pervasive Weak Sericitisation	Pervasive Moderate Chlorite	
217.1 - 220.9	BtS	lamn	gradationally increasing qtz alteration / replacement with lim and carb, full silicification by base			
217.1 - 220.9			Pervasive Moderate Silicification	Pervasive Weak Sericitisation	Pervasive Moderate Chlorite	
220.9 - 225.7	YC	bx	mixed qtz replaced BtS (remnant fol'n) through silicified schist (dominant interval component), variable carb, limonite throughout			
220.9 - 225.7			Pervasive Strong Silicification	Pervasive Weak Sericitisation	Pervasive Moderate Chlorite	

Drill Log: CFD0402

Easting	583995.31	Hole Length	202m	Prospect	Supremo T1-2	Drill Started	Aug 10, 2014	Comment	No structure obs = vertical hole. Hydro hole, no zone intersection expected or noted.
Northing	6975002.66	Azimuth	0°	Target	1/2 BH5	Drill Completed	Aug 14, 2014		
Projection	UTM7-NAD83	Dip	-90°	Geologist	KGrodzicki	Core Size	HQ		
Survey method	RTK GPS	Elevation	1177.01mASL						

Lithology and Alteration

Interval	Lith	Texture	Deformation	Comments
0.0 - 2.0	OVb			
		0.0 - 21.0	Pervasive Weak Silicification	Pervasive Weak Sericitisation Replaces Mafics Moderate Sericitisation Chlorite alteration is preferentially replaces mafic / schistose b and is absent in gneiss. Sericite alteration is also more abundant mafic / schistose bands.
2.0 - 21.7	MxM	band	Fol-mod	Weakly oxidised gneiss. Limonite alteration, carbonate alteration absent in gneiss, biotite schist zones are weakly carbonaceous. Unmineralized translucent grey qtz veins. In mafic bands qtz veins show ductile deformation and qtz is locally a rusty orange colour. Mafic bands are strongly foliated by biotite. Biotite is replaced partially by pyrite but are visibly unmineralised.
		21.0 - 133.3	Pervasive Strong Sericitisation	Pervasive Moderate Sericitisation Replaces Mafics Moderate Sericitisation
21.7 - 91.6	MxM	band	Fol-mod	Carbonate alteration absent in gneiss, biotite schist zones are weakly carbonaceous and strongly chloritic. Unmineralized translucent grey qtz veins. In mafic bands qtz veins show ductile deformation and qtz is locally a rusty orange colour. Mafic bands are strongly foliated by biotite. Biotite is replaced partially by pyrite but are visibly unmineralised.
				Carbonate alteration absent in gneiss, biotite schist zones are weakly carbonaceous. Unmineralized translucent grey qtz veins. In mafic bands qtz veins show ductile deformation and qtz is locally a rusty orange colour. Mafic bands are strongly foliated by biotite. Biotite is replaced partially by pyrite but are visibly unmineralised.
91.6 - 100.9	MxF	band	Fol-mod	Dark mafic / schistose bands are strongly chloritic with moderate carbonate alteration parallel to schistosity. Alternating foliation intensity - darker gneissic bands tend to have weaker foliation.
100.9 - 196.2	MxM	band	Fol-mod	Dark mafic / schistose bands are strongly chloritic with moderate carbonate alteration parallel to schistosity. Alternating foliation intensity from moderate to weak, darker gneissic bands tend to have a weaker foliation.
		133.3 - 147.4	Patchy Moderate Clay	Pervasive Moderate Silicification Replaces Mafics Strong Sericitisation
		147.4 - 196.2	Pervasive Strong Silicification	Replaces Mafics Moderate Sericitisation Replaces Mafics Strong Chlorite
196.2 - 197.5	BtS	band	Fol-mod	Strongly chlorite altered biotite schist. Strong foliation with carbonate bands. Minor pyrite associated with biotite foliation.
		196.2 - 197.5	Pervasive Strong Silicification	Pervasive Weak Sericitisation Pervasive Strong Chlorite
197.5 - 202.0	MxM	band	Fol-str	Dark mafic / schistose bands are strongly chloritic with moderate carbonate alteration parallel to schistosity. Alternating foliation intensity from moderate to weak, darker gneissic bands tend to have a weaker foliation. Carbonate alteration is absent in rare to absent in gneiss.
		197.5 - 202.0	Pervasive Strong Silicification	Replaces Mafics Moderate Sericitisation Replaces Mafics Strong Chlorite

Drill Log: CFD0403

Easting	579702.41	Hole Length	221m	Prospect	Kona	Drill Started	Aug 11, 2014	Comment
Northing	6973055.14	Azimuth	180°	Target	Metallurgy	Drill Completed	Aug 14, 2014	
Projection	UTM7-NAD83	Dip	-86°	Geologist	GDessureau	Core Size	NQ2	
Survey method	RTK GPS	Elevation	1262.2mASL					

Litholoav and Alteration

Interval	Lith	Texture	Deformation	Comments
0.0 - 3.8	OVb			Overburden - Rubbly boulders of altered, oxidized coarse grained granite.
3.8 - 7.8	GG			Brown, strongly altered, strongly oxidized, coarse grained granite. Alteration is strong to locally intense, pervasive, sericite-clay alteration, overprinted with strong limonite oxidation. Limonite up to 4%, and up to 1% hematite. Abundant broken, rubbly and muddy core.
		3.8 - 7.8	Pervasive Strong Sericitisation	Pervasive Strong Clay
7.8 - 10.0	GG			Brown, strongly altered, moderately oxidized, coarse grained granite. Alteration is strong pervasive sericite alteration with weak clay alteration. Limonite oxidation is moderate to strong, patchy oxidation up to 2% limonite, and 0.5% hematite.
		7.8 - 10.0	Pervasive Strong Sericitisation	Patchy Weak Clay
10.0 - 13.1	YC	bx		Cream, intensely clay altered, poorly sorted, coarse rounded, silica-replaced fragments (previously diorite?), fault (?) breccia. Intense clay alteration has destroyed most primary textures although some quartz fragments from original granite are visible and some larger fragments of silicified diorite are visible as well.
		10.0 - 13.1	Pervasive Intense Clay	Pervasive Strong Silicification Pervasive Moderate Sericitisation
13.1 - 15.6	DIOR			Medium to dark grey, strongly altered, sulphide-rich, fine grained diorite. Alteration is strong to locally intense clay alteration with moderate sericite alteration and strong pyrite replacement. Up to 10% sooty pyrite or arsenopyrite. Locally very weakly brecciated.
		13.1 - 15.6	Pervasive Moderate Sericitisation	Pervasive Weak Clay
15.6 - 16.0	YC	bx		Light grey, intensely clay altered, poorly sorted, coarse rounded, silica-replaced fragments (previously diorite?) breccia. Intense clay alteration has destroyed most primary textures although some quartz fragments from original granite are visible and some larger fragments of silicified diorite are visible as well.
		15.6 - 16.0	Pervasive Intense Clay	Pervasive Strong Sericitisation
16.0 - 16.1	DIOR			Sulphide Zone. Grey to cream colored, moderately altered fine grained diorite. Alteration is patchy, fracture controlled to pervasive sericite-silica alteration that turns the diorite from grey to cream colored. Very fine grained sooty pyrite locally up to 3%.
		16.0 - 16.1	Pervasive Strong Sericitisation	
16.1 - 17.4	GG			Grey, moderately to strongly altered, un-oxidized, coarse grained granite. Alteration is moderate to strong, pervasive sericite alteration. Could be a clast of granite in the diorite. Up to 1% fine grained sooty pyrite.
		16.1 - 17.4	Patchy Moderate Sericitisation	
17.4 - 20.6	DIOR			Zone. Brown to light brown and grey, moderately altered, moderately oxidized, fine grained, diorite. Alteration is moderate, pervasive sericite alteration.
		17.4 - 20.6	Patchy Strong Sericitisation	
20.6 - 21.2	GG			Light grey, moderately to strongly altered, un-oxidized, coarse grained granite. Alteration is moderate to strong, pervasive sericite alteration. Could be a clast of granite in the diorite. Up to 1% sooty pyrite.
		20.6 - 21.2	Pervasive Strong Sericitisation	
21.2 - 22.6	DIOR			Zone. Grey, light brown, and brown, weakly to moderately altered, weakly to strongly oxidized, fine grained diorite. Alteration is variable from weakly altered (away from fractures) to moderately altered along fractures. Alteration is moderate, fracture controlled, sericite-silica alteration. Locally up to 5% sooty pyrite.
		21.2 - 22.6	Patchy Moderate Sericitisation	
22.6 - 23.4	GG			Light grey, moderately to strongly altered, un-oxidized, coarse grained granite. Alteration is moderate to strong, pervasive sericite alteration. Could be a clast of granite in the diorite.
		22.6 - 23.4	Pervasive Strong Sericitisation	

23.4 - 24.7	DIOR		Zone. Grey, light brown, and brown, weakly to moderately altered, weakly to strongly oxidized, fine grained diorite. Alteration is variable from weakly altered (away from fractures) to moderately altered along fractures. Alteration is moderate, fracture controlled, sericite-silica alteration. Locally up to 5% sooty pyrite.
23.4 - 24.7		Pervasive Strong Sericitisation	
24.7 - 28.3	GG		Zone. Brown to light brown, moderate to strongly altered, moderately oxidized, coarse grained granite. Alteration is moderate to strong, pervasive sericite alteration overprinted by moderate limonite oxidation up to 2% limonite.
24.7 - 28.3		Pervasive Strong Sericitisation	
28.3 - 29.2	DIOR		Zone. Light brown, and brown, weakly to moderately altered, weakly to strongly oxidized, fine grained diorite. Alteration is moderate, pervasive, sericite-silica alteration. Locally up to 5% sooty pyrite.
28.3 - 29.2		Pervasive Strong Sericitisation	
29.2 - 31.0	GG		Zone. Light brown, moderately altered, moderately oxidized, coarse grained granite. Alteration is moderate to locally strong, pervasive, sericite-silica alteration, overprinted with a weak to moderate limonite oxidation. Oxidation is both fracture controlled and weakly disseminated.
29.2 - 31.0		Pervasive Strong Sericitisation	
31.0 - 32.0	FLT		Beige, strongly altered, weakly oxidized fault zone. Sand to pebble sized fragments of strongly altered, coarse grained granite.
31.0 - 32.0		Pervasive Strong Sericitisation	
32.0 - 35.6	GG		Zone. Light brown, moderately altered, moderately oxidized, coarse grained granite. Alteration is moderate to locally strong, pervasive, sericite-silica alteration, overprinted with a weak to moderate limonite oxidation. Oxidation is both fracture controlled and weakly disseminated.
32.0 - 35.6		Pervasive Strong Sericitisation	Pervasive Weak Clay
35.6 - 38.4	YO	bxm	Zone. Light brown to grey, moderately sericite-silica altered, matrix supported, poorly sorted, sub-angular monomictic, coarse grained granite fragments, coarse grained breccia. Brecciation is weakly developed.
35.6 - 38.4		Pervasive Strong Sericitisation	Pervasive Weak Clay
38.4 - 45.0	YO	bxv	Zone. Grey to light brown, weakly oxidized, matrix supported, poorly sorted, monomictic, sub-rounded, sericite-silica altered, fine grained fragments, siliceous matrix medium grained irregular breccia.
38.4 - 45.0		Pervasive Moderate Silicification	
45.0 - 47.1	YO	bxv	Sulphide. Zone. Dark grey, and light grey, matrix supported, poorly sorted, monomictic, angular to subrounded, sericite altered, fine grained diorite fragment, silica-sooty pyrite fine grained matrix, medium grained, irregular breccia.
45.0 - 47.1		Pervasive Moderate Silicification	
47.1 - 53.9	YO	bxv	Zone. Light brown to grey, moderately sericite altered, weakly oxidized, clast supported, poorly sorted, sub-angular, monomictic, coarse grained granite fragments, coarse grained breccia. Brecciation is weakly developed.
47.1 - 53.9		Pervasive Strong Sericitisation	Moderate Silicification
53.9 - 55.9	DIOR	bxi	Zone. Light grey to medium grey and brown, weakly to moderately altered, weakly to moderately oxidized, weakly brecciated fine grained diorite. Alteration is weak to moderate fracture controlled sericite alteration with weak to moderate fracture controlled limonite alteration overprint. Breccia is: monomictic, matrix supported, silica-sooty pyrite matrix, poorly sorted, angular, silica-sericite altered fine grained diorite fragments, breccia veins (up to 10cms).
53.9 - 55.9		Pervasive Moderate Sericitisation	
55.9 - 60.6	DIOR		Zone. Light to medium brown, weak to moderately altered, weak to moderately oxidized fine grained diorite. Alteration is weak disseminated, to moderate fracture controlled sericite alteration.
55.9 - 60.6		Pervasive Moderate Sericitisation	
60.6 - 71.4	DIOR	bxi	Sulphide Zone. Grey and light brown, weakly sericite altered, weak fracture controlled limonite oxidation, jigsaw-fit, in-situ, monomictic, fine grained diorite class, very fine grained sooty-pyrite and silica matrix, coarse grained weakly developed breccia. Most clasts can be put back to together with small breccia veins separating larger clasts. Abundant narrow (1-2mm) quartz-sooty pyrite/arsenopyrite veinlets at alpha 30o beta 270o. (convert to dip/dip direction)
60.6 - 71.4		Patchy Weak Sericitisation	
71.4 - 77.0	DIOR	bxi	Zone. Light brown and grey, weakly to moderately altered, moderate fracture controlled limonite oxidized, fine grained diorite. Alteration is weak to moderate fracture controlled to pervasive sericite-silica alteration overprinted by fracture controlled limonite alteration. least fractured zones are least altered and least oxidized. Weakly developed jigsaw-fit, in-situ, sericite-silica altered fine grained diorite clast, sooty-pyrite silica matrix, medium grained breccia.
71.4 - 77.0		Pervasive Moderate Sericitisation	
77.0 - 85.5	DIOR	bxi	Zone. Light to medium brown, strongly altered, strongly oxidized, heavily fractured, fine grained diorite. Alteration is pervasive sericite alteration overprinted with moderate fracture controlled to pervasive, limonite oxidation. Limonite up to 1%.
77.0 - 85.5		Pervasive Moderate Sericitisation	

85.5 - 86.0	FLT			Zone. Brown, strongly altered, strongly oxidized, fault gouge. Sand and pebble sized clasts in a weakly consolidated muddy fault gouge. Oxidation is strong and texturally destructive.
		85.5 - 86.0	Pervasive Strong Sericitisation	
86.0 - 90.7	DIOR	bxi		Zone. Light to medium brown, strongly altered, strongly oxidized, heavily fractured, fine grained diorite. Alteration is pervasive sericite alteration overprinted with moderate fracture controlled to pervasive, limonite oxidation. Limonite up to 1%. Weakly developed jigsaw-fit, in-situ, sericite-silica altered fine grained diorite clast, sooty-pyrite silica matrix, medium grained breccia.
		86.0 - 90.7	Pervasive Moderate Sericitisation	
90.7 - 105.7	DIOR	bxi		Zone. Light to medium brown, strongly altered, strongly oxidized, weakly fractured, fine grained diorite. Alteration is pervasive sericite alteration overprinted with moderate fracture controlled to pervasive, limonite oxidation. Limonite up to 0.5%.
		90.7 - 105.7	Pervasive Moderate Sericitisation	
105.7 - 110.9	GG			Light brown to cream, moderately to strongly altered, weakly limonite oxidized, coarse grained granite. Alteration is pervasive sericite alteration with weak, patchy clay alteration.
		105.7 - 110.9	Pervasive Moderate Sericitisation	Patchy Weak Clay
110.9 - 114.1	GG			Sulphide Zone. Cream, moderately to strongly altered, weakly to un-oxidized coarse grained granite. Alteration is moderate to strong, sericite alteration with weak patchy clay and silica alteration. Mineralization is fine grained disseminated sooty-pyrite (up to 1%) and fine grained euhedral pyrite (up to 1%)
		110.9 - 114.1	Pervasive Moderate Sericitisation	Patchy Weak Clay
114.1 - 115.3	GG			Brown, moderately altered, moderately oxidized, coarse grained granite. Alteration is moderate, pervasive sericite, and weak pervasive, clay alteration. Oxidation is pervasive, disseminated limonite oxidation (up to 1%).
		114.1 - 115.3	Pervasive Moderate Sericitisation	Pervasive Weak Clay
115.3 - 118.3	DIOR			Light brown, moderately altered, weakly oxidized, fine grained diorite. Alteration is weak pervasive, sericite alteration overprinted with weak limonite oxidation (up to 0.5% limonite). Limonite forms alteration fronts in the diorite.
		115.3 - 118.3	Pervasive Weak Sericitisation	
118.3 - 119.5	GG			Cream to light brown, moderately to strongly altered, weakly oxidized, coarse grained granite. Alteration is strong pervasive sericite alteration with moderate, patchy clay alteration. Oxidation is weak, pervasive disseminated limonite (up to 0.5% Li).
		118.3 - 119.5	Pervasive Strong Sericitisation	Patchy Moderate Clay
119.5 - 126.9	DIOR			Light brown to cream, moderately altered, weakly oxidized fine grained diorite. Alteration is very homogenous, moderate, pervasive, sericite alteration over printed by a very homogenous weak pervasive limonite oxidation (up to 0.5% Li)
		119.5 - 126.9	Pervasive Weak Sericitisation	
126.9 - 129.8	GG	bxi		Brown to light brown, strongly to intensely altered, moderately to strongly oxidized, coarse grained granite. Alteration is strong to intense pervasive, sericite alteration with moderate, pervasive clay alteration overprinted with moderate to strong limonite oxidation stronger near fractures but pervasive, disseminated oxidation up to 3% Li.
		126.9 - 129.8	Pervasive Strong Sericitisation	Pervasive Moderate Clay
129.8 - 131.6	DIOR	bxi		Light to medium brown, strongly altered, weakly to moderately oxidized, fine grained diorite. Alteration is strong pervasive sericite alteration overprinted with patchy limonite oxidation up to 2% limonite.
		129.8 - 131.6	Pervasive Strong Sericitisation	
131.6 - 137.5	DIOR	bxi		Sulphide Zone. Grey, strongly altered, un-oxidized, mineralized, fine grained diorite. Alteration is strong, pervasive sericite alteration with moderate clay alteration. With a weakly to moderately developed, strongly altered, angular, clast supported, jigsaw fit, strongly altered fine grained diorite clast, rock flour matrix, 1-5cm wide, coarse breccia veins. Alteration is texturally destructive with some quartz fragments that could have been minor granite fragments.
		131.6 - 137.5	Pervasive Strong Sericitisation	Pervasive Weak Clay
137.5 - 140.0	DIOR	bxi		Light to medium brown, moderately altered, weakly to moderately oxidized, fine grained diorite. Alteration is moderate, pervasive sericite alteration overprinted with weak limonite oxidation (up to 1% limonite).
		137.5 - 140.0	Pervasive Strong Sericitisation	
140.0 - 145.8	DIOR	bxi		Sulphide Zone. Grey, strongly altered, un-oxidized, mineralized, fine grained diorite with a weakly developed, angular, clast supported, jigsaw fit, strongly altered fine grained diorite clast, rock flour matrix, 1-5cm wide, coarse breccia veins.
		140.0 - 145.8	Pervasive Strong Sericitisation	Pervasive Weak Clay

145.8 - 148.3	GG	bxm	Light grey, strongly altered, un-oxidized, mineralized, coarse grained granite, and granite breccia. Alteration is strong, pervasive clay-sericite alteration. Mineralization is abundant narrow 1-2mm sulphide stringers with arsenopyrite and/or sooty pyrite and abundant fine grained disseminated sooty-pyrite (up to 5%). Breccia is a well developed, clay altered, matric supported, monomictic quartz fragments in a clay matrix. Alteration is pervasive and texturally destructive and make it difficult to determine if its completely altered or brecciated. Sulphide veins, post date brecciation/alteration.
145.8 - 148.3		Pervasive Strong Sericitisation	
148.3 - 150.2	DIOR	bxm	Dark grey, strongly altered, un-oxidized, mineralized, weakly brecciated, fine grained diorite. Brecciation is coarse, monomictic, clast-supported, fine grained diorite clasts in a fine rock flour matrix. Mineralization is pervasive, fine-grained, disseminated sulphide alteration of diorite with abundant narrow (1-2mm) sulphide (arsenopyrite, sooty pyrite, and pyrite) veinlets. Strong shear fabric along contacts and along some veins at (10o ca.).
148.3 - 150.2		Pervasive Strong Sericitisation	Pervasive Moderate Clay
150.2 - 156.6	GG	bxm	Light grey, strongly altered, un-oxidized, mineralized, coarse grained granite, and granite breccia. Alteration is strong, pervasive clay-sericite alteration. Mineralization is abundant narrow 1-2mm sulphide stringers with arsenopyrite and/or sooty pyrite and abundant fine grained disseminated sooty-pyrite (up to 5%). Breccia is a well developed, clay altered, matric supported, monomictic quartz fragments in a clay matrix. Alteration is pervasive and texturally destructive and make it difficult to determine if its completely altered or brecciated. Sulphide veins, post date brecciation/alteration.
150.2 - 156.6		Pervasive Strong Sericitisation	Pervasive Moderate Clay
156.6 - 157.4	FLT		Grey, strongly altered, rubbly fault zone with well developed fault gouge consisting of mud, sand, and pebble sized grains of strongly altered granite.
156.6 - 157.4		Pervasive Strong Sericitisation	Pervasive Strong Clay
157.4 - 161.2	GG		Light grey, strongly altered, un-oxidized, mineralized, coarse grained granite, and granite breccia. Alteration is strong, pervasive clay-sericite alteration. Mineralization is abundant narrow 1-2mm sulphide stringers with arsenopyrite and/or sooty pyrite and abundant fine grained disseminated sooty-pyrite (up to 5%). Breccia is a well developed, clay altered, matric supported, monomictic quartz fragments in a clay matrix. Alteration is pervasive and texturally destructive and make it difficult to determine if its completely altered or brecciated. Sulphide veins, post date brecciation/alteration.
157.4 - 161.2		Pervasive Strong Sericitisation	Pervasive Moderate Clay
161.2 - 162.7	FLT		Grey, strongly altered, rubbly fault zone with well developed fault gouge consisting of mud, sand, and pebble sized grains of strongly altered granite.
161.2 - 162.7		Pervasive Strong Sericitisation	Pervasive Moderate Clay
162.7 - 167.3	GG		Light grey, strongly altered, un-oxidized, mineralized coarse grained granite. Alteration is strong pervasive sericite-clay alteration. Mineralization is abundant narrow (1-2m) sulphide veinlets with up to 2% fine grained disseminated sooty pyrite.
162.7 - 167.3		Pervasive Strong Sericitisation	Pervasive Moderate Clay
167.3 - 168.3	YO	bxv	Black-dark grey, orange, and light orange, strongly altered, matrix supported, fine-medium grained, poorly sorted, rounded,. Diorite, realgar, orpiment, quartz fragments, in a fine sulphide matrix.
167.3 - 168.3		Pervasive Strong Sericitisation	Pervasive Strong Clay
168.3 - 170.2	GG		Light grey, strongly altered, un-oxidized, mineralized coarse grained granite. Alteration is strong pervasive sericite-clay alteration. Mineralization is abundant narrow (1-2m) sulphide veinlets with up to 2% fine grained disseminated sooty pyrite.
168.3 - 170.2		Pervasive Strong Sericitisation	Pervasive Weak Clay
170.2 - 174.5	GG		Light grey and pinkish grey, weakly to relatively un altered, coarse grained granite. Biotite crystals are well preserved.
170.2 - 174.5		Pervasive Weak Sericitisation	
174.5 - 178.0	GG		Light brown, moderately altered, moderately oxidized, coarse grained granite. Alteration is moderate pervasive, sericite alteration overprinted by moderate disseminated and fracture controlled limonite oxidation (up to 1% Li).
174.5 - 178.0		Pervasive Moderate Sericitisation	Pervasive Weak Clay
178.0 - 184.4	FLT		Brown, strongly altered, moderately oxidized, rubbly, coarse grained granite fault zone. Sand, pebble sized fragments of granite. Alteration is moderate pervasive sericite alteration with weak pervasive clay alteration.
178.0 - 184.4		Pervasive Moderate Sericitisation	
184.4 - 188.0	GG		Brown, moderately altered, moderately oxidized, coarse grained granite. Alteration is moderate, pervasive sericite, and weak pervasive, clay alteration. Oxidation is pervasive, disseminated limonite oxidation (up to 1%).
184.4 - 188.0		Pervasive Moderate Sericitisation	
188.0 - 190.3	FLT		Brown, strongly altered, moderately oxidized, rubbly, coarse grained granite fault zone. Sand, pebble sized fragments of granite. Alteration is moderate pervasive sericite alteration with weak pervasive clay alteration.
188.0 - 190.3		Pervasive Moderate Sericitisation	
190.3 - 192.8	GG		Brown, moderately altered, moderately oxidized, coarse grained granite. Alteration is moderate, pervasive sericite, and weak pervasive, clay alteration. Oxidation is pervasive, disseminated limonite oxidation (up to 1% Li).
190.3 - 192.8		Pervasive Moderate Sericitisation	

192.8 - 193.9	FLT		Brown, strongly altered, moderately oxidized, rubbly, coarse grained granite fault zone. Sand, pebble sized fragments of granite. Alteration is moderate pervasive sericite alteration with weak pervasive clay alteration.
192.8 - 193.9		Pervasive Moderate Sericitisation	
193.9 - 200.6	GG		Light grey to pinkish grey, weakly altered, weakly oxidized, coarse grained granite. Alteration is weak pervasive, sericite alteration overprinted with weak to moderate, fracture controlled limonite oxidation within 1-5cm of the fractures.
193.9 - 200.6		Pervasive Weak Sericitisation	
200.6 - 201.3	FLT		Brown and grey, strongly altered, moderately oxidized, rubbly, coarse grained granite fault zone. Sand, pebble sized fragments of granite. Alteration is moderate pervasive sericite alteration with weak pervasive clay alteration.
200.6 - 201.3		Pervasive Moderate Sericitisation	Pervasive Moderate Clay
201.3 - 202.4	GG		Grey to pinkish grey, weakly altered to unaltered, coarse grained granite. Primary biotite is still visible. Alteration is very weak sericite alteration
201.3 - 202.4		Pervasive Moderate Sericitisation	Pervasive Weak Clay
202.4 - 203.4	FLT		Grey, weakly to moderately altered granite fault zone. Unconsolidated, coarse sand to pebble fragments.
202.4 - 203.4		Pervasive Moderate Sericitisation	Pervasive Moderate Clay
203.4 - 216.7	GG		Grey to pinkish grey, weakly altered to unaltered, coarse grained granite. Primary biotite is still visible. Alteration is very weak sericite alteration. Rock mass is un-oxidized.
203.4 - 216.7		Pervasive Weak Sericitisation	
216.7 - 217.3	FLT		Grey, weakly to moderately altered granite fault zone. Unconsolidated, coarse sand to pebble fragments.
216.7 - 217.3		Pervasive Weak Sericitisation	
217.3 - 219.7	GG		Grey to light brown, moderately altered, weakly to non-oxidized, coarse grained granite. Alteration is pervasive sericite alteration with weak clay alteration.
217.3 - 219.7		Pervasive Moderate Sericitisation	
219.7 - 221.0	HU	bxv	Rusty brown, red, and black, unusual unit. Mostly dull back clay (sulphide altered clay), with bright red, very fine grained mineral (realgar) and orange mineral (orpiment) with grey fine grained clay with well developed, poorly sorted, rounded, siliceous fragments in a fine grained white clay matrix breccia.
219.7 - 221.0		Pervasive Strong Sericitisation	Pervasive Moderate Clay

Drill Log: CFD0404

Easting	584963.46	Hole Length	164m	Prospect	Supremo T7	Drill Started	Aug 12, 2014	Comment	No projected zone depth indicated in Tracking.
Northing	6974229.22	Azimuth	270°	Target	Infill	Drill Completed	Aug 14, 2014		
Projection	UTM7-NAD83	Dip	-50°	Geologist	HWalsh	Core Size	NQ2		
Survey method	RTK GPS	Elevation	1252.81mASL						

Litholoav and Alteration

Interval	Lith	Texture	Deformation	Comments
0.0 - 4.7	OVb			mixed gneiss boulders
4.7 - 14.4	MxF	augn		Grey-pink augen textured felsic dominated mixed gneiss. Bands of MxM >0.5m. Moderately hematite oxidized in patches, fracture controlled and patchy limonite oxidation, very minor sooty pyrite . Weakly sericite and clay altered. Moderately silicified. Weakly fractured.
		4.7 - 14.4	Pervasive Moderate Silicification	Moderate Biotite Pervasive Weak Sericitisation
14.4 - 23.6	MxF	band		Mixed Gneiss, strong pervasive limonite oxidation. Abundant fractures, gouge present. mineralized heavily clay altered limonite oxidized breccia from 16.95m-17m 23.25-23.35m, in-situ, matrix supported, altered clast, sub rounded, rock flour matrix, medium grained.
		14.4 - 23.0	Pervasive Weak Silicification	Pervasive Weak Biotite Pervasive Weak Sericitisation
		23.0 - 24.5	Pervasive Moderate Sericitisation	Pervasive Weak Biotite Pervasive Moderate Clay
23.6 - 29.0	MxM	band		Grey-green mixed Gneiss, weakly calcite and clay altered. Weak limonite in fractures, patchy hematite.
		24.5 - 26.4	Pervasive Moderate Biotite	Pervasive Moderate Sericitisation Patchy Weak Clay
		26.4 - 29.0	Pervasive Moderate Silicification	Pervasive Weak Biotite Weak Sericitisation
29.0 - 30.5	MxM	band		Orange mixed gneiss, pervasively oxidized. Pitted. Primary gneissic texture visible. Moderately clay altered.
		29.0 - 31.0	Pervasive Moderate Clay	Pervasive Weak Biotite Pervasive Weak Sericitisation
30.5 - 49.9	MxF	augn		Grey-pink augen textured felsic dominated mixed gneiss. alternating 1m bands of BtS and MxF. Moderately hematite oxidized in patches, fracture controlled and patchy limonite oxidation limonite preferentially altered felsic gneiss. weak patchy arsenian pyrite . Weakly sericite and clay altered. Moderately silicified.
		31.0 - 49.8	Pervasive Moderate Silicification	Pervasive Weak Sericitisation Patchy Weak Calcite
		49.8 - 58.8	Pervasive Moderate Clay	Pervasive Weak Sericitisation Patchy Weak Calcite
49.9 - 58.8	MxF	band		orange-brown fracture controlled and pervasively oxidized mixed gneiss, predominately felsic. Weakly pitted. Moderately silicified. Increasingly fractured down hole. Fracture-controlled clay alteration
58.8 - 59.1	Ycarb	bx		silicified, biotite and calcite altered clast and matrix, chaotic, clast supported , polymict diorite and gneissic clasts, rock flour matrix, medium grained breccia.
		58.8 - 60.0	Pervasive Strong Clay	
59.1 - 59.2	Ycarb	bx		Clay and calcite altered matrix, clast supported chaotic, minor vugs, polymict angular quartz and gneissic clasts, rock flour matrix, medium grained breccia sharp upper contact, faulted lower contact.
59.2 - 62.3	BtS	band		zone HU pervasively hydrothermally and clay altered from 59.5m to 59.95m. crackle breccia from 59.95-62.3
		60.0 - 64.0	Pervasive Moderate Chlorite	Pervasive Weak Sericitisation Patchy Weak Calcite
62.3 - 76.0	MxF	band		orange augen felsic dominated gneiss. Strongly fractured, minor gouge present, pervasive moderate to strong limonite oxidation increasing in increased fracture areas. Clay and sericite alteration. 7 cm quartz veins at 73-74m. Manganese oxide on fractures.
		64.0 - 77.3	Pervasive Moderate Clay	Pervasive Weak Sericitisation Patchy Weak Biotite fracture zone
76.0 - 88.2	FG	augn		light grey-pinkish grey augen gneiss, silicified, weakly clay altered. Fracture controlled and patchy oxidation
		77.3 - 88.0	Pervasive Moderate Silicification	Pervasive Weak Clay Patchy Moderate Chlorite
		88.0 - 95.0	Pervasive Weak Silicification	Pervasive Moderate Clay Patchy Weak Chlorite
88.2 - 90.8	Ylim	bx		weakly clay altered gneissic clasts, clast supported, jigsaw fit angular monomict, limonite rock flour matrix, open space matrix, medium grained breccia irregular contact. Fracture zone lower contact.
90.8 - 98.5	FLT	augn		mixed gneiss, faulted broken core zone. Fracture controlled clay alteration. Minor gouge present. Increased oxidation patchy to pervasive.
		95.0 - 100.0	Pervasive Weak Silicification	Fracture Controlled Weak Clay Patchy Weak Chlorite

98.5 - 164.0	FG	augn	augen gneiss. Fracture controlled to patchy weak oxidation. <1% pyrite. Patches of clay and chlorite alteration. Moderate silicification. Increased clay alteration and fracture zone from 109.7m-110m, 125.1m-126.2m. 1cm immature breccia at 110m. (clast supported chaotic sub angular gneissic clasts, rock flour matrix medium grained breccia)		
100.0 - 106.7		Pervasive Moderate Silicification	Pervasive Weak Clay	Patchy Weak Chlorite	
106.7 - 110.3		Pervasive Weak Silicification	Pervasive Weak Clay	Weak	
110.3 - 110.5		Fracture Controlled Moderate Clay	Pervasive Moderate Biotite	Patchy Weak Chlorite	
110.5 - 112.7		Pervasive Moderate Silicification	Pervasive Moderate Biotite	Patchy Weak Chlorite	
112.7 - 117.9		Fracture Controlled Moderate Clay	Pervasive Weak Silicification	Pervasive Weak Biotite	
117.9 - 131.0		Pervasive Moderate Silicification	Patchy Weak Chlorite		
131.0 - 135.7		Pervasive Moderate Clay	Pervasive Weak Silicification		
135.7 - 143.6		Pervasive Moderate Silicification	Patchy Weak Chlorite		
143.6 - 144.2		Pervasive Moderate Clay			
144.2 - 164.0		Pervasive Moderate Silicification	Patchy Weak Chlorite	Patchy Weak Clay	

Drill Log: CFD0405

Easting	585150.94	Hole Length	251m	Prospect	Double Double	Drill Started	Aug 12, 2014	Comment	Re-drill for CFD0398 which dev too much.
Northing	6973391.74	Azimuth	180°	Target	DD Infill	Drill Completed	Aug 16, 2014		
Projection	UTM7-NAD83	Dip	-50°	Geologist	KGrodzicki	Core Size	NQ2		
Survey method	RTK GPS	Elevation	1116.91mASL						

Litholoav and Alteration

Interval	Lith	Texture	Deformation	Comments
0.0 - 14.6	OVb			Core not recovered
14.6 - 25.0	BtS	band	Fol-mod	Silica-sericite-carbonate-chlorite altered biotite-feldspar schist. Patchy areas of more intense sericite and epidote alteration. Disseminated very fine grained pyrite through the matrix. Foliation parallel white-grey translucent quartz veins (1cm) with local calcite. Calcite veinlets cross cut foliation at low and high angles.
		14.6 - 25.0	Pervasive Intense Chlorite	Pervasive Moderate Silicification Patchy Moderate Sericitisation
25.0 - 27.3	FG	band	Fol-mod	Quartz-feldspar felsic gneiss with dark green mafic rich bands. Augen visible. Silicified. Sericite alteration along biotite foliation planes.
		25.0 - 27.3	Replaces Mafics Moderate Chlorite	Pervasive Strong Silicification Replaces Mafics Moderate Sericitisation
27.3 - 30.3	BtS	band	Fol-mod	Silica-sericite-carbonate-chlorite altered biotite-feldspar schist. Epidote alteration locally. Disseminated very fine grained pyrite through the matrix. Foliation parallel white-grey translucent quartz veins (1cm) with local calcite. Calcite veinlets cross cut foliation at low and high angles.
		27.3 - 30.3	Pervasive Intense Chlorite	Pervasive Moderate Silicification Patchy Moderate Sericitisation
30.3 - 31.6	FG	band	Fol-mod	Quartz-feldspar felsic gneiss with dark green mafic rich bands. Augen visible. Silicified. Sericite alteration along biotite foliation planes.
		30.3 - 31.6	Replaces Mafics Moderate Chlorite	Pervasive Strong Silicification Replaces Mafics Moderate Sericitisation
31.6 - 33.6	FLT	band	Fol-mod	Clay rich, strongly altered, fracture controlled limonite coat fracture planes.
		31.6 - 33.6	Pervasive Strong Chlorite	Pervasive Weak Sericitisation Pervasive Strong Clay
33.6 - 36.6	BtS	band	Fol-mod	Silica-sericite-carbonate-chlorite altered biotite-feldspar schist. Patchy areas of more intense sericite and epidote alteration. Disseminated very fine grained pyrite through the matrix. Foliation parallel white-grey translucent quartz veins (1cm) with local calcite. Calcite veinlets cross cut foliation at low and high angles.
		33.6 - 36.6	Pervasive Intense Chlorite	Pervasive Moderate Silicification Pervasive Strong Sericitisation
36.6 - 36.8	MV	mass	Fol-wk	Fractured, massive pink calcite vein cuts across foliation at low angle. Modeterate limonite alteration on fractre planes.
		36.6 - 36.8	Vein Selvedge Intense Calcite	
36.8 - 37.3	BtS	band	Fol-mod	Silica-sericite-carbonate-chlorite altered biotite-feldspar schist. Epidote alteration locally. Patchy areas of more intense sericite and epidote alteration. Disseminated very fine grained pyrite through the matrix. Foliation parallel white-grey translucent quartz veins (1cm) with local calcite. Calcite veinlets cross cut foliation at low and high angles.
		36.8 - 37.3	Pervasive Intense Chlorite	Pervasive Moderate Silicification Pervasive Moderate Sericitisation
37.3 - 41.5	FLT	band	Fol-mod	Clay rich fault zone, highly fractured and rubbly. Fracture controlled limonite, stronger foliation with abundant carbonate whisps parallel to foliaion. Fine grained disseminated pyrite through matrix.
		37.3 - 45.5	Pervasive Strong Chlorite	Pervasive Weak Silicification Pervasive Moderate Sericitisation
41.5 - 45.5	BtS	band	Fol-mod	Silica-sericite-carbonate-chlorite altered biotite-feldspar schist. More intensley clay altered and stronger sericite alteration. Disseminated very fine grained pyrite through the matrix. Foliation parallel white-grey translucent quartz veins (1cm) with local calcite. Calcite veinlets cross cut foliation at low and high angles.
45.5 - 54.3	BtS	band	Fol-mod	Silica-sericite-carbonate-chlorite altered biotite-feldspar schist. Disseminated very fine grained pyrite through the matrix. Foliation parallel white-grey translucent quartz veins (1cm) with local calcite. Calcite veinlets cross cut foliation at low and high angles.
		45.5 - 54.3	Pervasive Strong Chlorite	Pervasive Moderate Silicification Pervasive Moderate Sericitisation
54.3 - 54.8	BtS	band	Fol-mod	Oxidised biotite-feldspar schist. Fracture controlled limonite. Main calcite vein is jigsaw fit breccia and silicified. Strong calcite alteration and jigsaw fit brecciated stock work calcite veins with matrix and fracture controlled limonite to the veins.
		54.3 - 54.8	Patchy Weak Chlorite	Pervasive Moderate Silicification Pervasive Moderate Sericitisation

54.8 - 55.3	BtS	band	Fol-mod	Silica-sericite-carbonate-chlorite altered biotite-feldspar schist. Disseminated very fine grained pyrite through the matrix. Foliation parallel white-grey translucent quartz veins (1cm) with local calcite. Calcite veinlets cross cut foliation at low and high angles.
54.8 - 57.7			Pervasive Strong Chlorite	Pervasive Moderate Silicification Pervasive Moderate Sericitisation
55.3 - 55.7	BtS	band	Fol-mod	Weakly oxidised associated with fracture controlled limonite.
55.7 - 57.7	BtS	band	Fol-mod	Silica-sericite-carbonate-chlorite altered biotite-feldspar schist. Weak fracture controlled limonite starts to appear and is associated with strong calcite. Disseminated very fine grained pyrite through the matrix. Foliation parallel white-grey translucent quartz veins (1cm) with local calcite. Calcite veinlets cross cut foliation at low and high angles.
57.7 - 60.6	BtS	band	Fol-wk	Oxidised biotite-feldspar schist. Strong calcite association and strong limonite. Fractured calcite veinlets, which cross cut foliation are strongly altered to limonite. Medium grained, fractured polymictic, clast supported, silicified brecciated zone associated with a carbonate vein. Altered to pale yellow clay and strong limonite association with the vein / fracture.
57.7 - 60.6			Pervasive Strong Calcite	Pervasive Moderate Silicification Pervasive Moderate Sericitisation
60.6 - 60.8	BtS	band	Fol-wk	Fresh, not oxidized zone with stockwork of calcite veins, cross cut by later silica? Veinlets.
60.6 - 60.8			Pervasive Strong Chlorite	Pervasive Moderate Silicification Pervasive Moderate Sericitisation
60.8 - 61.3	BtS	band	Fol-wk	Oxidised biotite-feldspar schist. Strong calcite association and strong limonite. Fractured calcite veinlets, which cross cut foliation are strongly altered to limonite. Fractured polymictic, quartz clast supported brecciated zone associated with a carbonate vein. Altered to pale yellow clay and strong limonite association with the vein / fracture.
60.8 - 61.3			Patchy Strong Calcite	Pervasive Moderate Silicification Pervasive Moderate Sericitisation
61.3 - 65.0	BtS	band	Fol-mod	Silica-sericite-carbonate-chlorite altered biotite-feldspar schist. Minor blebs of leucoxene present locally. Epidote alteration locally. Patchy areas of more intense sericite and epidote alteration. Disseminated very fine grained pyrite through the matrix. Foliation parallel white-grey translucent quartz veins (1cm) with local calcite. Calcite veinlets cross cut foliation at low and high angles.
61.3 - 81.1			Pervasive Strong Chlorite	Pervasive Moderate Silicification Pervasive Moderate Sericitisation
65.0 - 69.6	BtS	band	Fol-mod	Darker bands of mafic gneiss. Patches of more intense sericite-chlorite-epidote alteration and weaker calcite alteration.
69.6 - 81.1	BtS	band	Fol-mod	Silica-sericite-carbonate-chlorite altered biotite-feldspar schist. Epidote alteration locally. Patchy areas of more intense sericite and epidote alteration. Disseminated very fine grained pyrite through the matrix. Foliation parallel white-grey translucent quartz veins (1cm) with local calcite. Calcite veinlets cross cut foliation at low and high angles. Local patches of disseminated leucoxene present.
81.1 - 81.7	MV	bxi	Fol-wk	Irregular fractured quartz vein with calcite infill in fractures. Quartz is crackle brecciated.
81.1 - 81.7			Pervasive Moderate Chlorite	Pervasive Strong Silicification Pervasive Moderate Sericitisation Calcite associated with BtS and as cross cutting calcite veinlets
81.7 - 82.3	BtS	band	Fol-mod	Silica-sericite-carbonate-chlorite altered biotite-feldspar schist. Epidote alteration locally. Patchy areas of more intense sericite and epidote alteration. Disseminated very fine grained pyrite through the matrix. Foliation parallel white-grey translucent quartz veins (1cm) with local calcite. Calcite veinlets cross cut foliation at low and high angles.
81.7 - 83.9			Pervasive Strong Chlorite	Pervasive Moderate Silicification Pervasive Moderate Sericitisation
82.3 - 83.9	BtS	band	Fol-mod	Silica-sericite-carbonate-chlorite altered biotite-feldspar schist. Minor fault zone with fault pug at 82.4m and associated calcite alteration and veinlets. More abundant sericite alteration in surrounding rock. Patchy areas of more intense sericite and epidote alteration. Disseminated very fine grained pyrite through the matrix. Foliation parallel white-grey translucent quartz veins (1cm) with local calcite. Calcite veinlets cross cut foliation at low and high angles.
83.9 - 89.9	BtS	band	Fol-mod	Silica-sericite-carbonate-chlorite altered biotite-feldspar schist. Epidote alteration locally. Patchy areas of more intense sericite and epidote alteration. Disseminated very fine grained pyrite through the matrix. Foliation parallel white-grey translucent quartz veins (1cm) with local calcite. Calcite veinlets cross cut foliation at low and high angles. Mafic gneiss bands are present locally in this section.
83.9 - 95.0			Pervasive Strong Chlorite	Pervasive Moderate Silicification Pervasive Moderate Sericitisation
89.9 - 90.5	FG	band	Fol-mod	Strongly silicified felsic gneiss band with slightly darker bands of mafic gneiss. Calcite filled fractures / veinlets locally cut gneiss.
90.5 - 94.2	BtS	band	Fol-mod	Silica-sericite-carbonate-chlorite altered biotite-feldspar schist. Epidote alteration locally. Disseminated very fine grained pyrite through the matrix. Foliation parallel white-grey translucent quartz veins (1cm) with local calcite. Calcite veinlets cross cut foliation at low and high angles. Fracture zone parallel to core axis and abundance of calcite veinlets. Core is darker green and is amphibole rich. Hematite alteration of fracture planes
94.2 - 95.0	FG	band	Fol-mod	Strongly silicified felsic gneiss with slightly darker bands of mafic gneiss.
95.0 - 97.0	FLT	bxi	Fol-mod	Strongly fractured trending towards weakly brecciated fault zone. Strongly clay altered and clay rich fault pug. Bts and FG both in this section.
95.0 - 97.0			Pervasive Strong Clay	Pervasive Weak Chlorite Pervasive Weak Sericitisation
97.0 - 98.7	FG	band	Fol-mod	Interbedded felsic gneiss and biotite schist. Calcite alteration limited to schistose sections. Silicified. Sericite alteration predominantly to schistose sections. Chlorite alteration limited to mafic schist.

98.7 - 99.8	BtS	band	Fol-mod	Silica-sericite-carbonate-chlorite altered biotite-feldspar schist with minor felsic gneiss band. Patchy leucoxene locally. Epidote alteration locally. Patchy areas of more intense sericite and epidote alteration. Disseminated very fine grained pyrite through the matrix. Foliation parallel white-grey translucent quartz veins (1cm) with local calcite. Calcite veinlets cross cut foliation at low and high angles.
99.8 - 106.9	FG	band	Fol-mod	Pink felsic gneiss with mafic and biotite rich bands. Silicified and sericite alteration.
106.9 - 111.4	BtS	band	Fol-mod	Silica-sericite-carbonate-chlorite altered biotite-feldspar schist. Epidote alteration locally. Disseminated very fine grained pyrite through the matrix. Foliation parallel white-grey translucent quartz veins (1cm) with local calcite. Calcite veinlets cross cut foliation at low and high angles. Patchy leucoxene locally.
111.4 - 112.1	FLT	band		Fault zone. Clay rich fault pug. Weak, disseminated hematite alteration to clay.
		111.4 - 112.1	Pervasive Strong Clay	Pervasive Weak Chlorite Pervasive Weak Sericitisation
112.1 - 124.2	BtS	band	Fol-mod	Silica-sericite-carbonate-chlorite altered biotite-feldspar schist. Epidote alteration locally. Disseminated very fine grained pyrite through the matrix. Foliation parallel white-grey translucent quartz veins (1cm) with local calcite. Calcite veinlets cross cut foliation at low and high angles. Patchy leucoxene locally. Dark green, amphibole rich areas.
		112.1 - 124.2	Pervasive Strong Chlorite	Pervasive Moderate Silicification Pervasive Moderate Sericitisation
124.2 - 124.7	FLT	mass	Fol-mod	Fault zone through biotite-feldspar schist. Clay rich fault pug. Fracture controlled limonite and hematite alteration. Moderate calcite alteration
		124.2 - 124.7	Pervasive Strong Clay	Pervasive Weak Chlorite Pervasive Weak Sericitisation
124.7 - 133.1	BtS	band	Fol-mod	Silica-sericite-carbonate-chlorite altered biotite-feldspar schist. Epidote alteration locally. Disseminated very fine grained pyrite through the matrix. Foliation parallel white-grey translucent quartz veins (1cm) with local calcite. Calcite veinlets cross cut foliation at low and high angles. Patchy leucoxene locally. Dark green, amphibole rich areas.
		124.7 - 141.5	Pervasive Strong Chlorite	Pervasive Moderate Silicification Pervasive Moderate Sericitisation
133.1 - 134.6	MV	mass		Translucent grey-white massive, irregular quartz vein in biotite-feldspar schist. Parallel to core axis.
134.6 - 141.5	BtS	band	Fol-mod	Silica-sericite-carbonate-chlorite altered biotite-feldspar schist. Epidote alteration locally. Disseminated very fine grained pyrite through the matrix. Foliation parallel white-grey translucent quartz veins (1cm) with local calcite. Calcite veinlets cross cut foliation at low and high angles. Patchy leucoxene locally. Dark green, amphibole rich areas.
141.5 - 141.7	FLT	band		Limonite altered fault zone. Clay altered, carbonate veinlets. Chlorite alteration and fracture controlled limonite and minor hematite.
		141.5 - 141.7	Pervasive Strong Clay	Pervasive Moderate Chlorite
141.7 - 148.9	BtS	band	Fol-mod	Silica-sericite-carbonate-chlorite altered biotite-feldspar schist. Epidote alteration locally. Disseminated very fine grained pyrite through the matrix. Foliation parallel white-grey translucent quartz veins (1cm) with local calcite. Calcite veinlets cross cut foliation at low and high angles. Patchy leucoxene locally. Dark green, amphibole rich areas.
		141.7 - 150.5	Pervasive Strong Chlorite	Pervasive Moderate Silicification Pervasive Moderate Sericitisation
148.9 - 149.0	FLT	band		Fracture zone infilled with carbonate and limonite with a fine crackle breccia texture. Associated qtz vein with later replacement carbonate and limonite.
149.0 - 150.5	BtS	band	Fol-mod	Silica-sericite-carbonate-chlorite altered biotite-feldspar schist. Epidote alteration locally. Disseminated very fine grained pyrite through the matrix. Foliation parallel white-grey translucent quartz veins (1cm) with local calcite. Calcite veinlets cross cut foliation at low and high angles. Patchy leucoxene locally. Dark green, amphibole rich areas.
150.5 - 150.9	MV	mass		Translucent white quartz vein. Calcite alteration around margins. Weak fracture controlled limonite alteration.
		150.5 - 150.9	Pervasive Strong Silicification	
150.9 - 155.7	BtS	band	Fol-mod	Silica-sericite-carbonate-chlorite altered biotite-feldspar schist. Epidote alteration locally. Disseminated very fine grained pyrite through the matrix. Foliation parallel white-grey translucent quartz veins (1cm) with local calcite. Calcite veinlets cross cut foliation at low and high angles. Patchy leucoxene locally. Dark green, amphibole rich areas.
		150.9 - 169.6	Pervasive Strong Chlorite	Pervasive Moderate Silicification Pervasive Moderate Sericitisation
155.7 - 156.5	MxM	band	Fol-mod	Mafic gneissic band cut by carbonate filled fractures / veinlets. Biotite rich bands.
156.5 - 158.2	BtS	band	Fol-mod	Silica-sericite-carbonate-chlorite altered biotite-feldspar schist. Epidote alteration locally. Disseminated very fine grained pyrite through the matrix. Foliation parallel white-grey translucent quartz veins (1cm) with local calcite. Calcite veinlets cross cut foliation at low and high angles. Patchy leucoxene locally. Dark green, amphibole rich areas.
158.2 - 158.4	MV	mass		Late stage, white quartz vein associated with late stage biotite growth. Coarse grained biotite crystals infill cavities in quartz vein. Carbonate alteration along vein margins and locally along cavity margins and weak fracture controlled limonite.
158.4 - 167.3	BtS	band	Fol-mod	Silica-sericite-carbonate-chlorite altered biotite-feldspar schist. Epidote alteration locally. Disseminated very fine grained pyrite through the matrix. Foliation parallel white-grey translucent quartz veins (1cm) with local calcite. Calcite veinlets cross cut foliation at low and high angles. Patchy leucoxene locally. Dark green, amphibole rich areas.
167.3 - 168.5	BtS	band	Fol-mod	More intense fracture controlled limonite alteration associated with carbonate veins.

168.5 - 169.0	BtS	band	Fol-mod	Oxidised biotite schist. Weak crackle breccia, moderate to weak carbonate alteration. Carbonate veinlets cross cut foliation.
169.0 - 169.6	BtS	band	Fol-mod	Silica-sericite-carbonate-chlorite altered biotite-feldspar schist. Epidote alteration locally. Disseminated very fine grained pyrite through the matrix. Foliation parallel white-grey translucent quartz veins (1cm) with local calcite. Calcite veinlets cross cut foliation at low and high angles. Patchy leucoxene locally. Dark green, amphibole rich areas. More intense fracture controlled limonite alteration.
169.6 - 174.2	Ylim	bx		Oxidized, immature, crackle breccia. Moderate to strong carbonate alteration. Fractured, clay rich. Fracture controlled limonite.
		169.6 - 174.2	Pervasive Strong Clay	Pervasive Moderate Silicification Pervasive Moderate Clay
174.2 - 174.9	BtS	band	Fol-mod	Silica-sericite-carbonate-chlorite altered biotite-feldspar schist. Epidote alteration locally. Disseminated very fine grained pyrite through the matrix. Foliation parallel white-grey translucent quartz veins (1cm) with local calcite. Calcite veinlets cross cut foliation at low and high angles. Patchy leucoxene locally. Dark green, amphibole rich areas. More intense fracture controlled limonite alteration.
		174.2 - 174.9	Pervasive Strong Chlorite	Pervasive Moderate Silicification Pervasive Moderate Sericitisation
174.9 - 175.8	Ylim	bx		Oxidized, polymictic, medium grained, quartz breccia. Quartz clasts are sub rounded. Moderate to strong carbonate alteration. Fractured, clay rich. Fracture controlled limonite.
		174.9 - 175.8	Pervasive Strong Clay	Pervasive Moderate Silicification Pervasive Moderate Clay
175.8 - 187.3	BtS	band	Fol-wk	Silica-sericite-carbonate-chlorite altered biotite-feldspar schist. Strong carbonate alteration through matrix as well as abundant carbonate veinlets. Patches of leucoxene present locally and carbonate and hematite alteration to joint planes. Irregular bucky white quartz veins with carbonate replacement. At 187 m a patchy of sooty pyrite is present followed by a bucky white quartz vein. Quartz vein is fractured with carbonate alteration.
		175.8 - 187.3	Pervasive Strong Chlorite	Pervasive Moderate Silicification Pervasive Moderate Calcite
187.3 - 188.1	Ylim	bx		Oxidised, polymict, medium grained, matrix supported breccia. Matrix is strongly limonite altered with rounded clasts of quartz present. Uphole contact consists of a brecciated quartz vein with calcite infill matrix. Quartz clasts are angular and rotated. Vein margins are laminated and strongly limonite altered.
		187.3 - 188.1	Pervasive Strong Clay	Pervasive Moderate Silicification Pervasive Strong Calcite
188.1 - 200.3	BtS	mass		Biotite schist with irregular, rounded felsic gneiss clasts and bands. Gneissic clasts are pink to cream in colour with interstitial hematite and limonite and small (mm) vugs locally. Carbonate veinlets cut and fracture the gneiss resulting in a weak crackle breccia texture to some clasts. Limonite alteration rims gneiss clasts locally. The biotite schist is paler green with stronger sericite alteration and less amphibole present.
		188.1 - 227.2	Pervasive Strong Chlorite	Pervasive Moderate Silicification Pervasive Moderate Calcite
200.3 - 223.5	BtS	mass		Predominantly biotite schist. Leucoxene present locally. Darker green than interval above - amphibole. Minor clasts of gneiss and quartz as above.
223.5 - 224.5	FG	band	Fol-wk	Felsic gneiss with minor mafic bands. Cut by carbonate filled fractures. Strongly silicified.
224.5 - 225.9	BtS	mass	Fol-wk	Weakly foliated biotite schist. Chlorite-silica-sericite altered. Carbonate veinlets parallel to schistosity.
225.9 - 227.2	BtS	band	Fol-wk	Banded alternation biotite schist and felsic gneiss. Carbonate fractures cross cut foliations. Matrix carbonate alteration is restricted to schist.
227.2 - 227.7	FLT	mass		Chlorite altered, clay fault pug with limonite and hematite alteration.
		227.2 - 227.7	Pervasive Strong Clay	Pervasive Strong Chlorite
227.7 - 251.0	BtS	band	Fol-wk	Alternating bands of biotite schist and felsic gneiss until EOH. Carbonate filled fractures cross cut foliations and matrix carbonate alteration is restricted to biotite schist. Silica-sericite alteration with chlorite alteration restricted to biotite schist. Leucoxene present locally in biotite schist. Fracture controlled limonite alteration.
		227.7 - 251.0	Pervasive Strong Chlorite	Pervasive Moderate Silicification Pervasive Moderate Sericitisation

Drill Log: CFD0406

Easting	584931.25	Hole Length	167 m	Prospect	Supremo T7	Drill Started	Aug 14, 2014	Comment
Northing	6974276.89	Azimuth	270°	Target	T7 Infill	Drill Completed	Aug 16, 2014	
Projection	UTM7-NAD83	Dip	-50°	Geologist	HWalsh	Core Size	NQ2	
Survey method	RTK GPS	Elevation	1249.83mASL					

Litholoav and Alteration

Interval	Lith	Texture	Deformation	Comments
0.0 - 3.0	OVB			
3.0 - 13.8	MxF	band	Fol-wk	Orange brown, moderately fractured, moderately altered felsic gneiss. <1m lenses of BtS. Weak to moderate fracture controlled clay, biotite and pervasive sericite alteration. Moderate to strong silica flooding. Moderate to strong disseminated oxidation. Manganese bloom on fracture faces
		3.0 - 16.0	Pervasive Weak Clay	Pervasive Weak Sericitisation Pervasive Moderate Silicification
13.8 - 14.0	Ylim	bx		Clay altered, clast supported, limonite altered rock flour matrix, chaotic sub angular polymict quartz and gneiss medium grained irregular contact breccia.
14.0 - 18.1	MxF	band	Fol-wk	Orange-Brown felsic mixed gniess, as above. Moderately fractured, moderately altered. Alteration is clay and disseminated limonite. Hydrothermal crystallized quartz vein at 18.2m.
		16.0 - 17.0	Pervasive Moderate Clay	Pervasive Weak Sericitisation
		17.0 - 19.0	Pervasive Weak Clay	Pervasive Weak Sericitisation Pervasive Weak Silicification
18.1 - 22.0	YC	bx		Mixed gneiss, pervasive intense silicification, moderate fracture controlled clay and sericite alteration. Moderate oxidation. Transition zone into brecciation. Oxidized clast supported chaotic rock flour matrix angular quartz monomictic clast medium grained irregular contact breccia.
		19.0 - 22.0	Pervasive Intense Silicification	Pervasive Strong Clay Pervasive Moderate Sericitisation
22.0 - 29.2	MxF	band	Fol-mod	Mixed felsic gneiss. Strong disseminated oxidation, strongly fractured. <1m lenses of BtS. Moderate clay, sericite, biotite alteration.
		22.0 - 24.0	Pervasive Moderate Clay	Pervasive Moderate Sericitisation Pervasive Moderate Silicification
		24.0 - 27.0	Pervasive Weak Clay	Pervasive Weak Sericitisation Pervasive Moderate Silicification
		27.0 - 31.0	Fracture Controlled Moderate Clay	Patchy Weak Biotite Pervasive Moderate Sericitisation
29.2 - 29.5	Ylim	bx		Clay biotite altered clast supported chaotic rock flour matrix polymict sub rounded clasts medium grained breccia
29.5 - 36.4	MxF	band	Fol-mod	Mixed gniess, alteration is clay, biotite, sericite alteration. Moderate to strong oxidation. Oxidized unconsolidated clay and sand from 31-31.2m.
		31.0 - 36.7	Pervasive Strong Silicification	Patchy Weak Chlorite
36.4 - 108.5	MxF	augn	Fol-wk	Grey-green augen gneiss. Weakly oxidized, predominately patchy. Moderately silicified, weakly chloritized, weak biotite alteration. Minor patchy hematized pyrite. At 55.2m oxidized mineralized quartz vein with minor arsenian pyrite. Clay and sericite altered pale green zone at 56.2m-58.5m (epidote?) with hematized feldspars, upper contact follows foliation, lower contact appears intrusive. Pale green clay observed disseminated in surrounding area. Chloritized clay veinlets at 59.8m.
		36.7 - 37.8	Pervasive Weak Clay	Pervasive Weak Sericitisation Pervasive Moderate Chlorite
		37.8 - 45.0	Pervasive Weak Clay	Pervasive Moderate Silicification Patchy Weak Chlorite
		45.0 - 56.1	Pervasive Weak Silicification	Patchy Weak Chlorite Patchy Weak Sericitisation
		56.1 - 64.8	Pervasive Moderate Silicification	Patchy Weak Chlorite Pervasive Weak Sericitisation
		64.8 - 66.2	Pervasive Moderate Clay	Pervasive Moderate Sericitisation Pervasive Weak Silicification
		66.2 - 70.1	Pervasive Moderate Silicification	Pervasive Weak Clay Pervasive Weak Sericitisation
		70.1 - 74.0	Pervasive Moderate Silicification	Pervasive Weak Clay Pervasive Weak Sericitisation
		74.0 - 76.9	Pervasive Weak Silicification	Pervasive Moderate Clay Patchy Moderate Chlorite
		76.9 - 84.5	Replaces Felsics Moderate Clay	Pervasive Weak Silicification Pervasive Weak Sericitisation
		84.5 - 101.1	Pervasive Moderate Silicification	Pervasive Weak Sericitisation Pervasive Weak Biotite
		101.1 - 108.2	Pervasive Moderate Silicification	Pervasive Weak Sericitisation Patchy Moderate Chlorite

108.5 - 119.1	MxF	band	Fol-wk	grey-orange felsic gneiss. Clay alteration replaces felsics. Moderately oxidized and fractured. Brecciation in clay altered zone from 110.0-110.15m (clay altered clast supported open space jigsaw fit rock flour angular gneissic monomictic medium grained irregular contact breccia) and 115-115.2 (oxidized clast supported chaotic massive fine grained rock flour matrix sub angular polymict gneissic medium grained sharp contact breccia.)		
		108.5 - 111.5	Replaces Felsics Moderate Clay	Pervasive Weak Sericitisation		
		111.5 - 113.0	Pervasive Moderate Silicification	Pervasive Weak Clay	Patchy Weak Chlorite	
		113.0 - 119.9	Replaces Felsics Moderate Clay			
119.1 - 145.9	MxF	augn	Fol-mod	Augen gneiss, moderate chlorite, clay alteration. Patchy oxidation, with minor hematized pyrite associated with a fracture at 125.7m, brassy pyrite disseminated throughout.. Zone of coarsened texture and weakened foliation from 141.5m-142.5m.		
		119.9 - 129.5	Pervasive Moderate Silicification	Pervasive Weak Clay	Pervasive Weak Sericitisation	
		129.5 - 146.1	Pervasive Moderate Silicification	Patchy Moderate Chlorite	Weak Clay	
145.9 - 148.0	MxF	band	Fol-wk	Clay altered mixed gneiss, predominately felsic. Clay is observed to replace felsic minerals. Increasing clay alteration downhole in the point of unconsolidation.		
		146.1 - 147.9	Pervasive Moderate Clay	Patchy Moderate Biotite	Pervasive Moderate Sericitisation	
		147.9 - 149.2	Pervasive Strong Clay	Pervasive Moderate Sericitisation		
148.0 - 149.2	YO	bx	clay altered matrix supported chaotic sub rounded gneiss monomictic medium grained irregular contact breccia.			
149.2 - 167.0	MxF	augn	Fol-mod	Augen Gneiss, few fractures, weakly altered (clay, chlorite, sericite) moderately silicified, fracture controlled to patchy oxidation.		
		149.2 - 167.0	Pervasive Moderate Silicification	Patchy Moderate Biotite	Fracture Controlled Moderate Clay	

Drill Log: CFD0407

Easting	582752.91	Hole Length	122m	Prospect	Latte	Drill Started	Aug 14, 2014	Comment
Northing	6973294.22	Azimuth	180°	Target	Latte Met	Drill Completed	Aug 16, 2014	
Projection	UTM7-NAD83	Dip	-59°	Geologist	GDessureau	Core Size	NQ2	
Survey method	RTK GPS	Elevation	1068.76mASL					

Litholoav and Alteration

Interval	Lith	Texture	Deformation	Comments
0.0 - 8.0	OVb			Overburden - No meter marks until 11m. Overburden is rubbly biotite schist pebbles and fine organic mud.
8.0 - 14.9	BtS			Dark green, weakly altered, weakly oxidized, biotite schist or biotite wacke. Alteration is weak patchy sericite alteration with weak fracture controled Fe-carbonate alteration. Cut by occasional 1-5cm quartz vein with minor hematite staining.
		8.0 - 14.9	Weak Fe-carb	
14.9 - 15.9	FC			Light grey to pinkish grey, weakly altered, non-foliated, massive, fine grained, quartz-feldspar-muscovite, dacitic dike. Moderate hematite alteration around the edges.
		14.9 - 15.9	Weak Fe-carb	
15.9 - 18.2	BtS			Dark green, weakly altered, weakly oxidized, biotite schist or biotite wacke. Alteration is weak patchy sericite alteration with weak fracture controled Fe-carbonate alteration. Cut by occasional 1-5cm quartz vein with minor hematite staining.
		15.9 - 18.2	Pervasive Weak Silicification	Weak Fe-carb
18.2 - 18.6	IV			Green, strongly chlorite altered massive, fine grained, mafic intrusion. Cut by abundant, narrow (1-2mm) fe-carbonate veinlets (simiar to below only more chlorite altered).
		18.2 - 18.6	Pervasive Strong Chlorite	
18.6 - 23.0	BtS			Dark green, weakly altered, weakly oxidized, biotite schist or biotite wacke. Alteration is weak patchy sericite alteration with weak fracture controled Fe-carbonate alteration. Cut by occasional 1-5cm quartz vein with minor hematite staining. Heavily fractured in spots, very weak fault gouge devepment.
		18.6 - 23.0	Patchy Weak Silicification	Patchy Weak Fe-carb
23.0 - 28.7	BtS			Dark greey and light brown, moderately altered, weakly oxidized, foliated, biotite schist. Ncut by weak, narrow (<1mm) carbonate veins. Alteration is moderate, pervasive, sericite (muscivite) alteration, pverprinted with weak, pervasive limonite oxidation.
		23.0 - 28.7	Moderate Sericitisation	
28.7 - 29.8	BtS			Green, weakly to moderately altered, foliated, biotite schist (wacke). Cut by abundant narrow (1-2mm) carbonate veinlets, and Fe-carbonate veinlets.
		28.7 - 29.8	Fracture Controlled Weak Fe-carb	
29.8 - 31.7	IV			Dark green, weakly altered, weakly oxidized, massive, fine grained, mafic dyke. Cut by abundant narrow (1-2mm) carbonate and Fe-carbonate veinlets and weak stockwork. Alteration is very weak chlorite-sericite alteration overprinted by weak fracture controlled limonite oxidation.
		29.8 - 31.7	Fracture Controlled Weak Fe-carb	
31.7 - 34.9	BtS			Zone. Brown, moderately altered, weakly to moderately oxidized, biotite schist. Alteration is weak to moderate sericite alteration over printed with weak fracture controlled limonite oxidation. Limonite up to 0.5%.
		31.7 - 34.9	Pervasive Weak Sericitisation	
34.9 - 36.8	FLT			Zone. Brown, weakly altered, weakly oxidized, fault zone. Rubbly cm scale fragments with smal zone of fault gouge developed. Oxidation is weak, fracture controled limonite oxidation up to 0.5%.
		34.9 - 36.8	Pervasive Weak Sericitisation	
36.8 - 39.6	BtS	bxi		Zone. Brown to reddish brown, moderatly altered, moderately oxidized, biotite schist with cm scale, weak breccia development. Alteration is moderate pervasive sericite alteration, over printed with weak limonite and weak hematite oxidation. Breccia is sericite altered, clast supported, jig-saw fit, in-situ, monomictic, limonite matrix, cm scale, breccia veins.
		36.8 - 39.6	Pervasive Moderate Sericitisation	

39.6 - 43.9	FLT		Zone. Brown, moderately altered, moderately oxidized, fault zone. Abundant 1-2 cm angular pieces of altered, oxidized biotite schist. Alteration is moderate pervasive sericite (with muscovite) alteration, overprinted by weak limonite and hematite oxidation up to 2% limonite, and 1% hematite.
39.6 - 43.9		Pervasive Moderate Sericitisation	
43.9 - 49.5	BtS	bxi	Brown to reddish brown, weakly altered, moderately oxidized, biotite schist. Alteration is weak, pervasive to patchy sericite alteration, with very weak carbonate alteration, overprinted with weak to moderate hematite oxidation. Up to 1% hematite, 0.5% fracture controlled limonite.
43.9 - 49.5		Pervasive Weak Sericitisation	
49.5 - 68.7	BtS	bxi	Brown, to reddish brown, weakly to moderately altered, weakly oxidized, biotite schist. Alteration is weak pervasive to patchy, sericite alteration overprinted with weak hematite alteration and weak fracture controlled limonite oxidation up to 1% hematite, 0.5% limonite. Low arsenic.
49.5 - 68.7		Pervasive Weak Sericitisation	Patchy Weak Silicification
68.7 - 71.0	BtS	bxi	Zone. Brown, moderately to strongly altered, moderately to strongly oxidized, biotite schist. Alteration is pervasive sericite alteration with patchy silica alteration and white to grey quartz veins (up to 5cm). Oxidation is moderate to strong pervasive and fracture controlled, limonite alteration up to 2%.
68.7 - 71.0		Pervasive Moderate Sericitisation	
71.0 - 73.4	BTS_Carb	bxi	Brown to cream, foliated carbonate rich biotite schist. Alteration is pervasive to fracture controlled sericite alteration with weak over printed, fracture controlled limonite oxidation. Zones up to 10cm of banded metacarbonate (PB).
71.0 - 73.4		Pervasive Weak Sericitisation	
73.4 - 75.9	BtS		Brown to reddish brown, weakly altered, moderately oxidized, biotite schist. Alteration is weak, pervasive to patchy sericite alteration, with weak silica alteration, overprinted with weak to moderate hematite oxidation. Up to 1% hematite, 0.5% fracture controlled limonite alteration.
73.4 - 75.9		Pervasive Weak Sericitisation	
75.9 - 77.5	PB		Cream, weakly foliated to massive, weakly altered, weakly oxidized, locally weakly brecciated metacarbonate. The bottom contact is a well developed breccia: sericite altered, quartz fragments in a dolomitic matrix. The breccia appears to cut across and partially alter sulphides in the biotite schist. Locally up to 1% sooty pyrite.
75.9 - 77.5		Pervasive Weak Sericitisation	
77.5 - 84.4	BtS		Brown, moderately altered, weakly oxidized, biotite schist. Alteration is pervasive sericite alteration overprinted with weak to moderate pervasive, limonite and hematite oxidation.
77.5 - 84.4		Pervasive Moderate Sericitisation	
84.4 - 86.0	FLT		Brown, moderately altered, moderately oxidized, fault zone in biotite schist. Abundant 1-5cm fragments of altered biotite schist with minor fault gouge. Alteration is pervasive, sericite alteration overprinted with pervasive limonite oxidation.
84.4 - 86.0		Pervasive Moderate Sericitisation	
86.0 - 93.5	BtS	bxi	Zone. Grey and brown, weakly to moderately altered, weakly to moderately oxidized biotite schist with weakly developed breccia. Breccia is developed as a medium grained, matrix supported, angular, silicified biotite schist fragments in a limonite matrix breccia. Up to 1% sooty pyrite.
86.0 - 93.5		Pervasive Moderate Sericitisation	
93.5 - 94.5	FLT		Brown, moderately altered, moderately oxidized, fault zone in biotite schist. Abundant 1-5cm fragments of altered biotite schist. Alteration is pervasive, sericite alteration overprinted with pervasive limonite oxidation.
93.5 - 94.5		Pervasive Moderate Sericitisation	
94.5 - 98.4	BtS	bxi	Zone. Grey and brown, weakly to moderately altered, weakly to moderately oxidized biotite schist with weakly developed breccia. Breccia is developed as a medium grained, matrix supported, angular, silicified biotite schist fragments in a limonite matrix breccia. Up to 1% disseminated sooty pyrite and abundant narrow, 1-2mm sooty pyrite and quartz veins.
94.5 - 98.4		Pervasive Weak Sericitisation	
98.4 - 100.1	FLT		Zone. Brown, strongly altered, strongly oxidized, fault zone with well developed fault gouge. Alteration is strong pervasive sericite alteration with weak patchy clay alteration overprinted with strong limonite oxidation up to 4% limonite. Relict breccia textures are weakly visible however oxidation is mostly texturally destructive.
98.4 - 100.1		Pervasive Strong Sericitisation	Pervasive Weak Clay
100.1 - 122.0	BtS	bxi	Grey, moderately to strongly altered, weakly to un-oxidized, weakly to moderately brecciated, well mineralized, biotite schist. Alteration is moderate to strong, pervasive, sericite alteration. Locally weak fracture controlled limonite alteration within 1-2cm of some fractures. Breccia is narrow (5-10cm) zones of sericite altered, monomictic, clast supported, angular, jigsaw fit, sericite altered biotite schist clasts in a fine grained silica and sooty pyrite matrix.
100.1 - 122.0		Pervasive Strong Sericitisation	

Drill Log: CFD0408

Easting	583995.31	Hole Length	210m	Prospect	Supremo T1-2	Drill Started	Aug 13, 2014	Comment	Re-drill of CFD0402 (BH-5A), shifted 5m
Northing	6975002.66	Azimuth	0°	Target	1-2 BH5	Drill Completed	Aug 16, 2014		east, due to failed well installation.
Projection	UTM7-NAD83	Dip	-90°	Geologist	MSchultz	Core Size	HQ		
Survey method	RTK GPS	Elevation	1177.01mASL						

Lithology and Alteration

Interval	Lith	Texture	Deformation	Comments
0.0 - 2.0	OVb			
2.0 - 19.9	FG			Variable oxidation and weathering, ranging from intact to rubble / sand, 90% fresh rock. Predominantly orange (oxi) colour. Little to no clay.
19.9 - 34.9	MxF			Clean pink felsic gneiss (>80%) with widely spaced bands of MG ranging from <1m to 5cm, with sharp contacts. Hematite (colour) consistent throughout, 0.5%, limonite on fractures 0.1%. 99% fresh rock, hard and free of significant broken ones.
34.9 - 37.4	MXF			Continued clean pink felsic gneiss now with augens weakly developed. Same alt and sulphide content. 99% fresh rock.
37.4 - 39.7	MxF			Zone of increased oxidation (limonite to 0.5%, increased long axis fractures and a 10cm orange/brown rubble zone, 1843 As on XRF. Increased hematite alteration to 1%. Continued pink MxF, weak augen development.
39.7 - 60.3	MxF			Clean pink felsic gneiss (>90%), with widely spaced thin bands MxF / BtS. Patchy weak augen development. Not as consistently hematized as above, hem decreasing downhole, to straight grey gneiss, 0.5 to 0.1% hematite. Strong, hard, rock throughout, 99% fresh.
60.3 - 62.4	MxF			Zone of increased oxidation and limonite alt (1%). Slightly increased fractures and a rubble zone <10cm. Brecciated Qtz vein at 61.40, some matte metallic mins, possibly spec hem, not As py.
62.4 - 86.3	MxF			Clean pink felsic gneiss, decreased hematite alt (0.1 to 0.5%), rock is straight pink/grey. Strong and competent throughout, slightly increased fracturing and limonite alt (to 0.5%) at 76m for 1m. Patchy weak augen development. FG still dominant at >90%.
86.3 - 88.0	MxM			Zone of more mafic gneiss, bt to 40% and QFP (plag) segregations. C/S fabric developed in micaceous zones and increased clay alt associated with 10cm bull quartz vein in the middle. Limonite on fracture surfaces.
88.0 - 117.2	MxF			Clean pink felsic gneiss (>90%) with widely spaced zones of mafic gneiss. Some mafic intervals contain sugary epidote up to 25%. Hematization variable from 0.1 to 0.5% (pink to deep pink). Augen development weak to none. Limonite alt on fractures to 0.1%.
117.2 - 119.0	MxF			Fault one in continued clean felsic gneiss. No associated alt (minor bleaching) only mechanical reduction. Sugary texture throughout with 40cm sand at top of interval.
119.0 - 148.0	MxF			Continued clean pink felsic gneiss (>90%) with widely spaced more mafic lenses (<30cm). Hematite variable from 0.1 to 0.5% (pink to deep pink). Rock is strong and competent throughout. Minimal ones of increased oxidation and assoc limonite (to 0.5%).
148.0 - 153.0	MxF			MxF continued, one of slightly increased oxidation (lim to 0.5%) and fracturing. Core pieces, not rubble.
153.0 - 158.9	MxF			Continued clean pink felsic gneiss, less mafic layers, one band in interval. Minimal augen development. Hematite alt 0.1 to 0.25 consistent. Limited lim on fracture surfaces to 0.1%. Strong, hard rock throughout.
158.9 - 160.9	MxF			Zone of slightly increased oxidation, limonite to 0.5% and fracturing. Some silica flooding and replacement, one vuggy Qtz vein.
160.9 - 170.1	FG			Clean, consistent pink felsic gneiss, mafic bands dropped out. Minimal augen development. Light hematite alt consistent 0.1 to 0.5%. Strong hard rock throughout.
170.1 - 172.0	FG			Core parallel fracture associated with bleaching, minimal clay alteration and limonite on fracture surfaces.
172.0 - 183.3	FG			Clean, consistent grey - pink felsic gneiss, less hematite than above and associated quartz flooding. Silicification, and development of vuggy quartz veins and pods patchy throughout - <5% visible voids on core surface. Associated lim still limited to max 0.5%. Development of micaceous selvages around Qtz pods / vugs. Strong, hard rock throughout.
183.3 - 210.0	FG			Finely banded (approaching schistose) clean, consistent, grey felsic gneiss. Minimal hematite alteration leading to light pinkish colouring of some zones. Minor development of ksp (boudinaged segregations). Also some minor Qtz veining and assoc micaceous selvages. Trace lim on fracture surfaces.

Drill Log: CFD0409

Easting	585274.11	Hole Length	158m	Prospect	Double Double	Drill Started	Aug 16, 2014	Comment
Northing	6973304.82	Azimuth	0°	Target	Double Double Met	Drill Completed	Aug 17, 2014	
Projection	UTM7-NAD83	Dip	-79°	Geologist	KGrodzicki	Core Size	NQ2	
Survey method	RTK GPS	Elevation	1083.71mASL					

Lithology and Alteration

Interval	Lith	Texture	Deformation	Comments
0.0 - 5.4	OVb			
5.4 - 16.1	MxM	band	Fol-mod	Well defined bands of feldspar augen which are weakly altered to clay. Pervasive hematite and limonite alteration to interstitial network and limonite alteration to fracture planes.
		5.4 - 23.0	Pervasive Strong Chlorite	Pervasive Moderate Silicification Pervasive Weak Clay
16.1 - 23.0	BtS	band	Fol-mod	Limonite altered biotite schist. Pervasive chlorite alteration. Carbonate alteration to matrix and carbonate veinlets cross cutting foliation.
23.0 - 24.8	FLT	band		Clay rich granular fault rubble.
		23.0 - 24.8	Fracture Controlled Strong Clay	Pervasive Weak Chlorite
24.8 - 32.0	BtS	band	Fol-mod	Pervasive calcite alteration through matrix. Feldspar augen present locally.
		24.8 - 49.8	Pervasive Strong Chlorite	Pervasive Moderate Silicification Pervasive Weak Clay
32.0 - 39.3	BtS	band	Fol-mod	Green-brown colour. Moderate calcite alteration throughout matrix. Limonite altered carbonate veinlets cross cut foliation. Alternating bands of chlorite and epidote altered biotite schist and pink felsic gneiss with mafic bands. White translucent and pink quartz veins are parallel to foliation. Fine carbonate filled fractures / veinlets cross cut foliation. Carbonate rich altered bands in the foliation. Limonite and hematite alteration to fracture planes. Foliation is moderately sericite altered and foliation leucoxene is present locally.
39.3 - 49.8	BtS	band	Fol-mod	Blue green biotite schist with bands of pink-green felsic/mafic gneiss. Calcite fractures / veinlets cross cut foliation. Calcite altered bands are present parallel to the biotite schist foliation. Qtz veins vary from 1 cm to a couple of cm wide and are generally parallel to foliation. Qtz veins are typically fractured with carbonate foliation along these fracture planes. Limonite also occurs along these fractures.
49.8 - 57.0	Ylim	bx	Fol-mod	Patchy, weak remnant foliation visible in places. Medium grained, polymict, limonite matrix supported quartz breccia with sub-angular to sub-rounded quartz clasts..
		49.8 - 56.3	Pervasive Weak Chlorite	Pervasive Strong Silicification Pervasive Moderate Clay
		56.3 - 57.5	Pervasive Strong Chlorite	Pervasive Moderate Silicification Pervasive Weak Clay
57.0 - 57.5	BtS	band	Fol-mod	Strong carbonate alteration to matrix. Carbonate veinlets cross cut foliation.
57.5 - 58.1	Ylim	band	Fol-mod	Weakly carbonate altered, original foliation still visible. Pervasive limonite alteration to interstitial network and along fractures.
		57.5 - 58.1	Pervasive Strong Silicification	Pervasive Weak Clay
58.1 - 59.5	BtS	band	Fol-mod	Moderately carbonate altered, fresh biotite schist. Carbonate-chlorite veinlets cross cut foliation.
		58.1 - 59.5	Pervasive Strong Chlorite	Pervasive Strong Silicification Pervasive Moderate Sericitisation
59.5 - 60.1	Ylim	bx	Fol-mod	Weakly brecciated, original foliation weak but still visible. Stockwork network of carbonate filled fractures/veinlets. Limonite replacement of biotite? Polymict, fine grained, quartz, silicified limonite matrix supported breccia.
		59.5 - 60.1	Pervasive Strong Silicification	Pervasive Weak Clay
60.1 - 62.2	BtS	band	Fol-mod	Strongly carbonate altered schist. Patchy leucoxene. Foliation cut by carbonate fractures /veinlets.
		60.1 - 62.2	Pervasive Strong Chlorite	Pervasive Strong Silicification Pervasive Moderate Sericitisation
62.2 - 62.5	Ylim	mass	Fol-wk	Pervasive limonite and hematite alteration. Weak foliation still visible. No brecciated texture preserved.
		62.2 - 64.0	Pervasive Strong Silicification	Pervasive Weak Clay
62.5 - 62.8	FLT	mass		Clay rich, granular, rubbly fault zone. Strongly limonite altered.
62.8 - 64.0	Ylim	bx	Fol-wk	Pervasive limonite and hematite alteration. Weak foliation still visible and local breccia - fine grained, polymict, quartz, silicified, limonite matrix supported breccia. Minor remnant biotite still visible.

64.0 - 67.2	BtS	band	Fol-wk	Interleaved biotite schist and patches of oxidised and strongly limonite altered schist with foliation still visible. Patchy irregular quartz and foliation parallel quartz veins. Strong carbonate alteration to matrix.
		64.0 - 67.2	Pervasive Strong Chlorite	Pervasive Strong Silicification Pervasive Moderate Sericitisation
67.2 - 68.4	Ylim	bxi	Fol-wk	Moderately limonite altered biotite schist with weak foliation still visible. Polymict, fine grained, quartz, silicified, limonite altered matrix supported breccia. Weakly carbonate altered fractures.
		67.2 - 68.4	Pervasive Strong Silicification	Pervasive Weak Clay
68.4 - 70.0	BtS	band	Fol-wk	Biotite schist with patches of weak oxidation and limonite alteration. Cross cutting carbonate filled fractures. Rare white quartz veins are cut by carbonate filled fractures.
		68.4 - 70.0	Pervasive Strong Chlorite	Pervasive Strong Silicification Pervasive Moderate Sericitisation
70.0 - 71.9	Ylim	bx	Fol-wk	Weak limonite alteration confined to fractures and patchy matrix replacement. Foliation still visible. Strongly silicified and sericite alteration present.
		70.0 - 71.9	Pervasive Strong Silicification	Pervasive Weak Clay
71.9 - 72.2	DIOR	mass		Light grey, bleached diorite dyke. Massive and weakly fractured.
		71.9 - 72.2	Pervasive Strong Silicification	Pervasive Moderate Sericitisation
72.2 - 72.6	Ylim	bx		Brecciated, original texture not visible. Polymict, medium grained, silicified, matrix supported breccia. Matrix is predominantly limonite, however a patch with a sooty pyrite matrix is visible.
		72.2 - 72.6	Pervasive Strong Silicification	Pervasive Moderate Clay
72.6 - 74.8	DIOR	bx		Weakly fractured/brecciated diorite dyke. Selectively replaced by sooty pyrite. Strong fracture controlled limonite bleeds in to surrounding host rock. Minor weak chlorite alteration. Strongly silicified. Down hole contact is fractured with strong limonite and carbonate alteration.
		72.6 - 74.8	Pervasive Moderate Chlorite	Pervasive Strong Silicification Pervasive Moderate Sericitisation
74.8 - 79.1	BtS	band	Fol-wk	Biotite schist with fracture controlled limonite alteration and pervasive carbonate alteration to matrix. Abundant carbonate filled fractures. Silica-sericite altered with patchy leucoxene. Sooty pyrite locally replaces matrix to form a polymict matrix supported breccia. Clasts are strongly altered to clay and sericite and interpreted as a mixture of quartz and feldspar. Massive texture, little to no foliation.
		74.8 - 103.0	Pervasive Strong Chlorite	Pervasive Strong Silicification Pervasive Moderate Sericitisation
79.1 - 103.0	BtS	band	Fol-wk	Weakly foliated biotite schist. Hematite alteration to fracture planes. Irregular carbonate filled fractures present throughout. Silica-sericite altered and patchy leucoxene. Very weak limonite alteration along joint planes. Bands of medium grained felsic gneiss locally, with stronger hematite alteration along joint planes.
103.0 - 103.7	FLT	mass		Broken ground and rubbly fault pug. Pink-grey carbonate alteration.
		103.0 - 103.7	Pervasive Strong Clay	Patchy Weak Silicification Pervasive Moderate Sericitisation
103.7 - 104.3	BtS	band	Fol-wk	Weakly foliated biotite schist. Hematite alteration to fracture planes. Irregular carbonate filled fractures present throughout. Silica-sericite altered and patchy leucoxene. Very weak limonite alteration along joint planes. Bands of medium grained felsic gneiss locally, with stronger hematite alteration along joint planes.
		103.7 - 104.3	Pervasive Strong Chlorite	Pervasive Strong Silicification Pervasive Moderate Sericitisation
104.3 - 106.1	FLT	band		Broken ground with rubbly fault pug. Pink-grey carbonate alteration.
		104.3 - 106.1	Pervasive Moderate Clay	Pervasive Moderate Silicification Pervasive Moderate Sericitisation
106.1 - 112.9	BtS	band	Fol-mod	Predominantly biotite schist with pink bands of felsic gneiss. Hematite alteration to felsic gneiss. Minor limonite on joint / fracture planes. Moderate carbonate alteration restricted to biotite schist. Felsic gneiss is strongly silicified. minor carbonate veinlets cross cut foliation.
		106.1 - 124.2	Pervasive Strong Chlorite	Pervasive Strong Silicification Pervasive Moderate Sericitisation
112.9 - 113.9	Ylim	bx	Fol-wk	Oxidised, limonite altered schist. Weak foliation still visible, brecciated locally. Medium grained, polymict, silicified quartz, limonite matrix supported breccia. Fractured jigsaw fit to sub angular matrix supported clasts.
113.9 - 114.5	BtS	band	Fol-mod	Predominantly biotite schist with bands of felsic and mafic gneiss locally. Quartz veins are foliation parallel while thin carbonate veinlets cross cut the foliation.
114.5 - 114.8	FLT	mass		Clay rich rubbly fault zone
114.8 - 124.2	BtS	band	Fol-mod	Predominantly biotite schist with bands of felsic and mafic gneiss locally. Quartz veins are foliation parallel while thin carbonate veinlets cross cut the foliation.
124.2 - 125.0	Ylim	bx	Fol-wk	Weak foliation still visible. Polymict quartz, silicified, medium grained, limonite altered matrix supported breccia. Localised sooty pyrite replacing matrix.
		124.2 - 125.0	Patchy Weak Chlorite	Pervasive Strong Silicification Pervasive Moderate Sericitisation
125.0 - 128.2	DIOR	bx		Strongly silicified brecciated diorite. Polymict, medium grained diorite clasts in a silicified sooty pyrite matrix. Clasts are angular to rounded. Weak limonite alteration to fracture planes. Downhole contact has limonite alteration in to host rock.
		125.0 - 131.3	Pervasive Strong Silicification	Pervasive Strong Sericitisation Patchy Weak Chlorite
128.2 - 131.3	BtS	band	Fol-wk	Biotite schist strongly replaced by sooty pyrite. Thin carbonate veinlets cross cut foliation.

131.3 - 139.0	Ylim	bx	Oxidised with strong limonite alteration. Medium grained, silicified, quartz, limonite matrix supported breccia. High clay content.		
		131.3 - 139.0	Pervasive Strong Clay	Pervasive Moderate Silicification	
139.0 - 140.4	BtS	band	Fol-wk	Moderatly foliated biotite schist. Local fracture controlled limonite. Weak calcite alteration.	
		139.0 - 140.4	Pervasive Strong Chlorite	Pervasive Strong Silicification	Pervasive Moderate Sericitisation
140.4 - 148.4	Ylim	band	Medium grained, silicified quartz, limonite and hematite matrix supported breccia.		
		140.4 - 148.4	Pervasive Weak Clay	Strong Silicification	
148.4 - 149.9	BtS	band	Silicified banded schist and gneiss. Weak fracture controlled limonite. Weak carbonate alteration along fracture planes.Patchy leucoxene.		
		148.4 - 149.9	Pervasive Strong Silicification	Pervasive Strong Chlorite	Pervasive Moderate Calcite
149.9 - 152.6	Ylim	mass	Mass (weak, patchy foliation) strongly limonite altered, moderate hematite alteration. Strong clay alteration.		
		149.9 - 152.6	Pervasive Moderate Silicification	Pervasive Moderate Clay	
152.6 - 158.0	BtS	band	Fol-wk	Strongly fractured. Weak to no carbonate alteration. Strongly silicified. Sericite alteration of biotite.	
		152.6 - 158.0	Pervasive Strong Silicification	Pervasive Strong Sericitisation	Patchy Weak Leucoxene

Drill Log: CFD0410

Easting	584988.13	Hole Length	19m	Prospect	Supremo T7	Drill Started	Aug 16, 2014	Comment First survey indicated hard swing to north (10deg), shifted and recollared.
Northing	6974277.52	Azimuth	270°	Target	Supremo Infill	Drill Completed	Aug 16, 2014	
Projection	UTM7-NAD83	Dip	-50°	Geologist	GDessureau	Core Size	NQ2	
Survey method	RTK GPS	Elevation	1251.85mASL					

Litholoav and Alteration

Interval	Lith	Texture	Deformation	Comments
0.0 - 3.0	OVb			Overburden
3.0 - 5.4	MxF	fgrn	Fol-mod	Grey to pinkish grey, medium grained, well foliated, K-feldspar, quartz, bioite gneiss. Cut by quartz veins.
		3.0 - 5.4		Patchy Weak Silicification
5.4 - 6.4	AmBtS	fgrn	Fol-mod	Green, fine to medium grained, well foliated, amphibole, biotite, quartz schist.
		5.4 - 6.4		Pervasive Weak Chlorite
6.4 - 6.8	MV	mass		White to light grey, massive quartz vein cut be very narrow (1-2mm) limonite veinlets.
		6.4 - 6.8		Pervasive Strong Silicification
6.8 - 11.4	MxF	fgrn	Fol-mod	Grey to pinkish grey, weakly altered, medium grained, well foliated, K-feldspar, quartz, bioite gneiss. Cut by quartz veins. Alteration is weak to locally moderate, patchy sericite alteration with weak patchy silica alteration. Cut by narrow (1-2cm) breccia veins. Breccia is a very fine grained, limonite altered, matrix supported breccia.
		6.8 - 11.4		Pervasive Moderate Silicification
11.4 - 11.5	AmBtS	fgrn	Fol-mod	Green, fine to medium grained, weakly altered, well foliated, amphibole, biotite, quartz schist. Alteration is weak pervasive chlorite alteration with weak, fracture controlled, limonite overprint.
		11.4 - 11.5		Pervasive Weak Chlorite
11.5 - 12.2	MxF	fgrn	Fol-mod	Grey to pinkish grey, locally weakly altered, well foliated, feldpsar, quartz, muscovite felsic gneiss. Alteration is weak, patchy sericite alteration with weak patchy silica alteration.
		11.5 - 12.2		Pervasive Weak Sericitisation
12.2 - 12.4	AmBtS	fgrn	Fol-mod	Green, fine to medium grained, well foliated, amphibole, biotite, quartz schist.
		12.2 - 12.4		Pervasive Weak Sericitisation
12.4 - 16.2	MxF	fgrn	Fol-mod	Grey to pinkish grey, locally weakly altered, well foliated, feldpsar, quartz, muscovite felsic gneiss. Alteration is weak, patchy sericite alteration with weak patchy silica alteration.
		12.4 - 16.2		Pervasive Weak Sericitisation
16.2 - 16.2	AmBtS	fgrn	Fol-mod	Green, fine to medium grained, well foliated, amphibole, biotite, quartz schist.
		16.2 - 16.2		Pervasive Weak Sericitisation
16.2 - 16.7	MxF	fgrn	Fol-mod	Grey to pinkish grey, locally weakly altered, well foliated, feldpsar, quartz, muscovite felsic gneiss. Alteration is weak, patchy sericite alteration with weak patchy silica alteration.
		16.2 - 16.7		Pervasive Weak Sericitisation
16.7 - 16.8	AmBtS	fgrn	Fol-mod	Green, narrow, fine to medium grained, well foliated, amphibole, biotite, quartz schist.
		16.7 - 16.8		Pervasive Weak Sericitisation
16.8 - 17.2	MxF	fgrn	Fol-mod	Grey to pinkish grey, locally weakly altered, well foliated, feldpsar, quartz, muscovite felsic gneiss. Alteration is weak, patchy sericite alteration with weak patchy silica alteration.
		16.8 - 17.2		Pervasive Weak Sericitisation
17.2 - 18.2	AmBtS	fgrn	Fol-mod	Green, fine to medium grained, well foliated, amphibole, biotite, quartz schist.
		17.2 - 18.2		Pervasive Weak Sericitisation

18.2 - 19.0	MxF	fgrn	Fol-mod	Grey to pinkish grey, locally weakly altered, well foliated, feldpsar, quartz, muscovite felsic gneiss. Alteration is weak, patchy sericite alteration with weak patchy silica alteration.
		18.2 - 19.0	Pervasive Weak Sericitisation	

Drill Log: CFD0411

Easting	583649.65	Hole Length	177 m	Prospect	Latte	Drill Started	Aug 16, 2014	Comment
Northing	6973205.12	Azimuth	0°	Target	Latte Met	Drill Completed	Aug 18, 2014	
Projection	UTM7-NAD83	Dip	-87°	Geologist	GDessureau	Core Size	NQ2	
Survey method	RTK GPS	Elevation	1031.85mASL					

Lithology and Alteration

Interval	Lith	Texture	Deformation	Comments
0.0 - 5.8	OVb			Overburden - Rubbly cobbles of moderately altered biotite schist. Relatively un oxidized.
5.8 - 13.0	BtS_Carb	Fol-mod		Green and brown, moderately altered, weakly to moderately oxidized well foliated, biotite schist. Alteration is pervasive, sericite alteration with abundant pervasive, carbonate and Fe-carbonate alteration. And carbonate veinlets.
		5.8 - 13.0	Pervasive Moderate Sericitisation	Patchy Moderate Calcite Patchy Weak Fe-carb
13.0 - 19.5	DIOR	bxi		Brown and beige, moderately altered, moderately oxidized, massive, fine grained diorite and poorly developed breccia. Alteration is moderate, pervasive sericite and silica alteration, overprinted with a strong fracture controlled limonite alteration with up to 2% limonite. The breccia is a poorly developed, clast supported, jig-saw fit, in-situ, angular diorite clasts in a limonitic matrix breccia. Rock mass is moderately fractured. Mineralization is fine disseminated sooty pyrite up to 2%.
		13.0 - 19.5	Pervasive Moderate Sericitisation	Pervasive Weak Silicification
19.5 - 28.3	BtS_Carb	Fol-mod		Brown, moderately altered, moderately oxidized, moderately foliated, biotite schist. Alteration is moderate pervasive, sericite-Fe-carbonate alteration overprinted with moderate, pervasive limonite oxidation up to 3% limonite.
		19.5 - 28.3	Pervasive Moderate Sericitisation	Patchy Weak Silicification
28.3 - 28.8	UM	Fol-mod		Light pastel green, strongly altered, un-oxidized, ultramafic rock. Alteration is strong, pervasive chlorite (bright green mineral maybe fuchsite)-quartz alteration. High Cr and Ni on XRF.
		28.3 - 28.8	Pervasive Strong Chlorite	Pervasive Moderate Silicification
28.8 - 34.7	BtS_Carb	Fol-mod		Brown, moderately altered, moderately oxidized, moderately foliated, biotite schist. Alteration is moderate pervasive, sericite-Fe-carbonate alteration overprinted with moderate, pervasive limonite oxidation up to 3% limonite.
		28.8 - 34.7	Pervasive Moderate Sericitisation	Patchy Weak Silicification
34.7 - 36.0	YLim			Well developed, moderately sericite altered, matrix supported, medium grained, angular, monomictic, biotite schist fragments in a limonite matrix breccia. Weak Fe-carbonate alteration. Limonite up to 1%.
		34.7 - 36.0	Pervasive Moderate Sericitisation	Patchy Weak Silicification
36.0 - 44.7	BtS	Fol-mod		Brown, moderately altered, moderately oxidized, moderately foliated, biotite schist. Alteration is moderate pervasive, sericite-Fe-carbonate alteration overprinted with moderate, pervasive limonite oxidation up to 3% limonite.
		36.0 - 44.7	Pervasive Strong Sericitisation	Patchy Moderate Silicification
44.7 - 45.2	Ylim	bxv		Brown, well developed, strongly altered, strongly oxidized, medium grained, matrix supported, rounded, silicified fragments in a limonitic matrix, massive breccia. Up to 4% limonite with 0.5 hematite.
		44.7 - 45.2	Pervasive Strong Sericitisation	Patchy Moderate Silicification
45.2 - 51.9	FLT			Brown, strongly fractured, cm sized fragments of strongly altered, limonite breccia (as above). Weak fault gouge development.
		45.2 - 51.9	Pervasive Strong Sericitisation	Patchy Moderate Silicification
51.9 - 53.8	Ylim	bxv		Brown, well developed, strongly altered, strongly oxidized, medium grained, matrix supported, rounded, silicified fragments in a limonitic matrix, massive breccia. Up to 4% limonite with 0.5 hematite.
		51.9 - 53.8	Pervasive Strong Sericitisation	Patchy Moderate Silicification
53.8 - 54.6	FLT			Brown, strongly fractured, cm sized fragments of strongly altered, limonite breccia (as above). Abundant fault gouge development.
		53.8 - 54.6	Pervasive Strong Sericitisation	Patchy Moderate Silicification

54.6 - 55.3	Ylim	bxv	Brown, well developed, strongly altered, strongly oxidized, medium grained, matrix supported, rounded, silicified fragments in a limonitic matrix, massive breccia. Up to 4% limonite with 0.5 hematite.		
		54.6 - 55.3	Pervasive Strong Sericitisation	Patchy Moderate Silicification	
55.3 - 55.7	FLT		Brown, strongly fractured, cm sized fragments of strongly altered, limonite breccia (as above). Abundant fault gouge development.		
		55.3 - 55.7	Pervasive Strong Sericitisation	Patchy Moderate Silicification	
55.7 - 63.0	Ylim	bxv	Brown, well developed, strongly altered, strongly oxidized, medium grained, matrix supported, rounded, silicified fragments in a limonitic matrix, massive breccia. Up to 4% limonite with 0.5 hematite.		
		55.7 - 63.0	Pervasive Strong Sericitisation	Patchy Moderate Silicification	Fracture Controlled Moderate Clay
63.0 - 82.2	YC	bxv	Orange with mod-strong crackle breccia, mod-strong frac oxide, strong hard, sil clast with lim filled fracs, var carb veinlets, weak-no perv carb, patchy ser		
		63.0 - 82.2	Replaces Clasts Strong Silicification	Patchy Moderate Sericitisation	Fracture Controlled Weak Calcite
82.2 - 85.1	BtS_Carb	band	Brown, moderately altered, moderately oxidized, well foliated-banded, biotite schist. Alteration is moderate pervasive, sericite-Fe-carbonate alteration overprinted with moderate, pervasive limonite oxidation +/- dolomite bands		
		82.2 - 85.0	Replaces Mafics Strong Chlorite	Patchy Weak Calcite	Patchy Weak Sericitisation
		85.0 - 90.1	Patchy Strong Sericitisation	Replaces Mafics Weak Chlorite	Pervasive Moderate Silicification
85.1 - 90.1	YC	bxm	Orange with mod-strong crackle breccia, mod-strong frac oxide, strong hard, sil clast with lim filled fracs, var carb veinlets, weak-no perv carb, patchy ser, +/- BtS_Carb		
90.1 - 97.0	YC	bxm	weak-mod brecciated mafic dyke, fine grain massive-weak porphyritic with plag phenos/frags, weak-mod crackle breccia, mod-strong frac oxide orange cut by browner orange, strong hard, sil clast with lim filled fracs, var carb veinlets, weak-no perv carb, sharp upper contact, fracturing weakens with depth, 97-98m blocky, 105-106m blocky		
		90.1 - 106.0	Pervasive Weak Sericitisation	Pervasive Weak Silicification	
97.0 - 98.0	YC	bxm			
98.0 - 105.0	YC	bxm			
105.0 - 106.0	YC	bxm			
106.0 - 107.8	BtS_Carb	band	Brown, moderately altered, moderately oxidized, well foliated-banded, biotite schist. Alteration is moderate pervasive, sericite-Fe-carbonate alteration overprinted with moderate, pervasive limonite oxidation +/- dolomite bands, minor bright green folia (fuchsitic? chlorite?)		
		106.0 - 107.8	Replaces Mafics Strong Chlorite	Patchy Weak Calcite	Patchy Weak Sericitisation
107.8 - 109.0	YC	bxv	Brown, well developed, strongly altered protolith unknown - bt sch?, mod perv clay, strongly oxidized, medium grained, matrix supported, angular sil clasts, silicified fragments in a limonitic matrix, massive breccia. Up to 4% limonite with 0.5 hematite.		
		107.8 - 109.0	Patchy Strong Sericitisation	Pervasive Moderate Silicification	Replaces Mafics Weak Chlorite
109.0 - 111.9	YS	bxm	grey, mod perv clay alt, sooty breccia		
		109.0 - 111.9	Pervasive Weak Silicification	Pervasive Weak Clay	Fracture Controlled Moderate Clay
111.9 - 113.4	YC	bxm	weak-mod brittle deformation, strong ser alt, protolith unknown possibly fine-coarse bt sch +/- fine mafic dyke material, mod-strong frac oxide orange cut by browner orange, strong hard, weak sil clast with lim filled fracs, var carb veinlets, weak-no perv carb		
113.4 - 117.9	YS	bxm	grey, mod perv clay alt, sooty breccia		
		113.4 - 117.6	Pervasive Moderate Clay	Fracture Controlled Strong Clay	Pervasive Weak Silicification
		117.6 - 123.3	Pervasive Moderate Clay	Patchy Strong Sericitisation	Pervasive Weak Silicification
117.9 - 128.6	BtS	bxm	Fol-mod	Grey, strong alteration, moderate patchy oxidation. Moderate pervasive clay, strong sericite, primary minerals unknown (BtS?). Moderate silicification. Moderate disseminated sooty and brassy pyrite. Sheared, schist texture visible, small <30cm lenses of unaltered BtS. Veinlets of sooty pyrite brassy pyrite.	
		123.3 - 124.9	Pervasive Weak Clay	Patchy Moderate Sericitisation	Pervasive Weak Silicification
		124.9 - 127.9	Pervasive Moderate Clay	Patchy Strong Sericitisation	Pervasive Weak Silicification
		127.9 - 129.3	Fracture Controlled Strong Clay	Pervasive Moderate Clay	Patchy Moderate Sericitisation
128.6 - 128.9	Ylim	bx	Clay altered limonite matrix medium grained sub angular polymictic quartz clast irregular boundary breccia		

128.9 - 137.8	BtS	bxm	Grey to orange altered BtS. Strong oxidation - sooty and limonite. moderate to strong clay alteration. weakly developed brecciation at 134.4-135 - limonite oxidized matrix clast supported chaotic sub angular medium grained altered clasts irregular contact breccia		
		129.3 - 132.1	Fracture Controlled Strong Clay	Pervasive Moderate Clay	Patchy Strong Sericitisation
		132.1 - 134.9	Pervasive Moderate Clay	Patchy Moderate Sericitisation	
		134.9 - 136.4	Pervasive Weak Clay	Patchy Weak Sericitisation	Pervasive Weak Silicification
		136.4 - 137.0	Fracture Controlled Intense Clay	Patchy Weak Sericitisation	Pervasive Weak Silicification
		137.0 - 142.9	Pervasive Moderate Clay	Pervasive Moderate Silicification	Patchy Weak Sericitisation
137.8 - 138.2	YS	bx	Fol-str	green-grey silicified breccia. Clast supported jigsaw fit rock flour matrix, angular medium grained schist breccia.	
138.2 - 147.0	BtS	lamn	Fol-mod	Grey-green biotite schist. Moderate alteration, moderate oxidation. Alteration is predominately clay and sericite. Moderate limonite and minor sooty sulphide oxidation overprints alteration.	
		142.9 - 143.5	Replaces Mafics Weak Chlorite	Pervasive Moderate Silicification	Patchy Weak Sericitisation
		143.5 - 147.4	Replaces Felsics Moderate Clay	Patchy Moderate Sericitisation	Patchy Weak Chlorite
147.0 - 160.5	BtS	lamn	Grey- green biotite schist. Moderate clay and sericite alteration, minor chlorite. Oxidation is moderate patchy to disseminated limonite.		
		147.4 - 150.9	Pervasive Moderate Clay	Pervasive Moderate Sericitisation	
		150.9 - 154.0	Pervasive Moderate Clay	Pervasive Strong Sericitisation	
		154.0 - 160.3	Pervasive Moderate Clay	Patchy Moderate Sericitisation	
		160.3 - 163.6	Fracture Controlled Strong Clay	Patchy Moderate Sericitisation	
160.5 - 162.2	FLT		Fol-mod	Broken core. strongly clay altered and fractured biotite schist. disseminated oxidation. moderate sericite alteration.	
162.2 - 163.5	YS	bx		162.2-163.5 breccia. Broken, limonite and sooty sulphide matrix, clast supported chaotic angular altered clast medium grained faulted contact breccia.	
163.5 - 177.0	BtS	lamn	Fol-str	Brown to reddish brown, weakly altered, weakly oxidized, biotite schist. Alteration is moderate, pervasive to patchy sericite alteration, clay alteration. patchy hematite oxidation.	
		163.6 - 164.9	Replaces Felsics Moderate Clay	Patchy Moderate Sericitisation	
		164.9 - 166.3	Pervasive Moderate Silicification	Patchy Moderate Sericitisation	Pervasive Weak Clay
		166.3 - 169.9	Replaces Felsics Moderate Clay	Patchy Weak Chlorite	
		169.9 - 177.0	Pervasive Moderate Silicification	Patchy Weak Clay	Pervasive Moderate Sericitisation

Drill Log: CFD0412

Easting	584987.83	Hole Length	245m	Prospect	Supremo T7	Drill Started	Aug 16, 2014	Comment	Re-drill of CFD0410 after collar deviation
Northing	6974274.32	Azimuth	270°	Target	Supremo infill	Drill Completed	Aug 18, 2014		
Projection	UTM7-NAD83	Dip	-50°	Geologist	HWalsh	Core Size	NQ2		
Survey method	RTK GPS	Elevation	1251.82mASL						

Litholoav and Alteration

Interval	Lith	Texture	Deformation	Comments
0.0 - 2.0	OVb			Overburden - boulders of MxF.
2.0 - 4.3	AmBtS		Fol-mod	Dark green, moderately altered, well foliated, amphibole-biotite-chlorite schist. Alteration is patchy, silica-carbonate alteration with abundant white calcite and pinkish quartz.
		2.0 - 4.3	Patchy Strong Silicification	Patchy Moderate Fe-carb
4.3 - 5.5	MxF		Fol-mod	Grey to pinkish grey, well foliated, quartz-feldspar-biotite-muscovite gneiss with weak fine grained, finely disseminated hematite alteration.
5.5 - 6.3	AmBtS		Fol-mod	Dark green, weakly altered, well foliated, amphibole-biotite-chlorite schist. Alteration is weak fracture controlled Fe-carbonate alteration.
		5.5 - 6.3	Patchy Weak Fe-carb	
6.3 - 6.5	MV			White to light grey, massive quartz vein with minor Fe-carbonate and very weak Limonite alteration along the margins.
6.5 - 12.2	MxF		Fol-mod	Light grey, weakly altered, weakly oxidized, strongly foliated, quartz-feldspar-biotite-muscovite gneiss. Alteration is weak patchy to pervasive sericite and Fe-carbonate alteration. with weak limonite staining on the fracture surfaces and weak disseminated limonite. Cut by occasional 1-2cm quartz veins, and cut by common, 1-5mm Fe-carbonate veinlets.
		6.5 - 12.2	Patchy Weak Fe-carb	
12.2 - 13.4	AmBtS		Fol-mod	Dark green, weakly altered, weakly oxidized, well foliated, amphibole-biotite-chlorite schist. Alteration is weak pervasive limonite and Fe-carbonate alteration on the contacts.
		12.2 - 13.4	Patchy Weak Fe-carb	
13.4 - 30.5	MxF		Fol-mod	Light grey to pinkish grey, and light to medium green, alternating bands of weakly altered, strongly foliated felsic gneiss and augen gneiss, and moderately foliated, amphibole-biotite schist (up to 1m thick bands). 70% felsic, 30% mafic. Alteration is weak pervasive sericite alteration and is generally restricted to the felsic gneiss. The felsic units are often weakly altered with very fine grained disseminated hematite. Cut by a few narrow (<1mm) hematite (+Fe-carbonate) veinlets.
		13.4 - 30.5	Patchy Weak Fe-carb	Patchy Weak Sericitisation
30.5 - 31.5	MxF		Fol-mod	Zone. Brown, moderately altered, weakly oxidized, felsic gneiss. Alteration is moderate pervasive, sericite alteration overprinted by a weak pervasive, finely disseminated, limonite oxidation. Up to 1% limonite.
		30.5 - 31.5	Pervasive Moderate Sericitisation	Patchy Weak Fe-carb
31.5 - 33.5	AmBtS		Fol-mod	Zone. Brown and green, moderately altered, moderately oxidized, amphibole biotite schist. Alteration is moderate patchy, sericite alteration overprinted with calcite veins and moderate to strong, fracture controlled limonite oxidation. Up to 1% limonite. Trace very fine grained pyrite and very fine grained sooty pyrite.
		31.5 - 33.5	Pervasive Moderate Sericitisation	Patchy Moderate Fe-carb
33.5 - 43.5	MxF		Fol-mod	Light grey to pinkish grey, and light to medium green, alternating bands of weakly altered, strongly foliated felsic gneiss and augen gneiss, and moderately foliated, amphibole-biotite schist (up to 1m thick bands). 70% felsic, 30% mafic. Alteration is weak pervasive sericite alteration and is generally restricted to the felsic gneiss. The felsic units are often weakly altered with very fine grained disseminated hematite. Cut by a few narrow (<1mm) hematite (+Fe-carbonate) veinlets.
		33.5 - 46.6	Patchy Weak Sericitisation	Fracture Controlled Weak Clay
43.5 - 46.8	BtS		Fol-mod	Green weakly altered, well foliated biotite schist. Alteration is moderate patchy calcite, strong chlorite, weak fracture controlled oxidation.
		46.6 - 50.2	Replaces Felsics Weak Clay	Patchy Weak Sericitisation
46.8 - 52.2	MxF		Fol-mod	Zone. Grey to orange, moderate to strong alteration. Alteration is felsic replacement and fracture controlled clay, oxidation is disseminated and moderate to strong. Increasing fractures downhole.
		50.2 - 51.0	Pervasive Weak Clay	Pervasive Moderate Silicification
		51.0 - 52.4	Patchy Weak Sericitisation	Patchy Strong Silicification

52.2 - 53.5	Ycarb		limonite altered matrix supported chaotic limonite rock flour matrix, quartz polymict subrounded medium grained breccia		
		52.4 - 53.0	Pervasive Moderate Clay	Pervasive Moderate Sericitisation	
		53.0 - 58.7	Patchy Moderate Clay	Patchy Weak Chlorite	Patchy Moderate Silicification
53.5 - 58.9	MxF		Fol-mod	Grey, strongly fractured gneiss. Moderately altered, weakly oxidized. Alteration is pervasive sericite, fracture controlled clay.	
		58.7 - 60.3	Patchy Moderate Chlorite	Pervasive Weak Silicification	
58.9 - 90.0	MxF	augn	Fol-mod	Mixed gneiss, alteration is patchy clay and chlorite, pervasive weak sericite. Oxidation is generally patchy, increasingly pervasive in clay altered areas.	
		60.3 - 65.8	Replaces Felsics Moderate Clay	Weak Sericitisation	
		65.8 - 66.7	Fracture Controlled Moderate Clay		
		66.7 - 71.8	Pervasive Moderate Silicification	Patchy Weak Sericitisation	
		71.8 - 72.6	Patchy Moderate Clay	Patchy Weak Sericitisation	
		72.6 - 80.9	Pervasive Moderate Silicification	Pervasive Weak Sericitisation	
		80.9 - 84.7	Replaces Felsics Moderate Clay	Pervasive Weak Sericitisation	
		84.7 - 88.2	Weak Silicification		
		88.2 - 90.0	Pervasive Moderate Clay		
90.0 - 104.3	MxF	band	Fol-str	Strongly oxidized throughout, orange to brown colouration and assoc high As. Opaque quartz veins and a very small developed breccia 100.20m. Consists of recognizable rounded country rock fragments matrix supported (floating) in qtz.	
		90.0 - 104.3	Pervasive Strong Silicification	Patchy Weak Clay	
104.3 - 106.6	MxF	band	Fol-str	Patchy oxidation within clean grey gneiss containing sooty pyrite. Augens weakly developed. Weak qtz-sericite alteration.	
		104.3 - 106.6	Pervasive Weak Silicification	Pervasive Weak Sericitisation	
106.6 - 116.0	MxF	band	Fol-str	Fractured, oxidized zone with increased clay alteration. Some microbrecciation developed in qtz vein selvages. Sharp rubble = 2.5m of interval	
		106.6 - 116.0	Pervasive Strong Silicification	Pervasive Moderate Sericitisation	Patchy Moderate Clay
116.0 - 138.2	MxF	band	Fol-str	Clean, consistent grey gneiss (70% of interval) with zones of silica flooded, oxidized, moderately fractured gneiss. pyritic quartz vein at 136.65	
		116.0 - 122.0	Pervasive Weak Silicification	Pervasive Weak Sericitisation	
		122.0 - 124.8	Pervasive Strong Silicification	Pervasive Weak Sericitisation	Patchy Moderate Clay
		124.8 - 138.2	Pervasive Weak Silicification	Pervasive Weak Sericitisation	
138.2 - 145.0	MxF	augn	Fol-mod	Tan to orange felsic mixed gneiss, moderately fractured. Alteration is moderate fracture controlled and felsic-replacing clay, moderate sericite. Oxidation is moderate and disseminated. Quartz-carb on fracture faces. Small sections of brecciation. Clast supported jigsaw fit angular gneissic clast open space medium grained breccia.	
		138.2 - 149.2	Replaces Felsics Moderate Clay	Pervasive Weak Sericitisation	
145.0 - 145.3	YO	bx	medium grained chaotic matrix supported quartz cemented gneiss breccia		
145.3 - 149.2	MxF	augn	Fol-mod	Tan to orange mixed gneiss, continued from above brecciation	
149.2 - 202.6	MxF	augn	Fol-mod	Grey mixed gneiss, weakly altered, weakly oxidized, moderately silicified. Alteration is pervasive weak sericite, patchy and fracture controlled clay. Oxidation is sparse and patchy. Quartz-carb crystal growth on fracture faces. Minor sooty sulphide blebs.	
		149.2 - 200.9	Pervasive Moderate Silicification	Pervasive Weak Sericitisation	Patchy Weak Clay
		200.9 - 205.0	Pervasive Weak Clay	Pervasive Weak Sericitisation	Vein Selvege Weak Calcite
202.6 - 204.9	AmBtS	lamn	Green amphibole-biotite schist. Weakly fractured, weakly sericite, clay altered.		
204.9 - 218.4	MxF	augn	Fol-mod	Grey Mixed gneiss, moderately altered and oxidized. Weakly fractured. Alteration is pervasive sericite, chlorite, patchy clay. Oxidation is disseminated patchy sooty sulphides.	
		205.0 - 216.1	Pervasive Moderate Silicification	Pervasive Weak Sericitisation	
		216.1 - 218.3	Pervasive Weak Clay	Pervasive Weak Sericitisation	
		218.3 - 225.0	Fracture Controlled Moderate Clay	Pervasive Weak Sericitisation	
218.4 - 228.0	MxF	band	Fol-mod	Orange-tan-grey mixed gneiss, with lenses of up to 1m altered BtS. Strong to intensely fractured. 225.0m-225.4m unconsolidated intensely clay altered material. Strong disseminated oxidation. Moderate patchy felsic-replacement clay, moderate sericite. Breccia at 222.9m. Ylim, matrix supported, clay altered sub rounded polymictic quartz gneiss clasts, irregular contact.	
		225.0 - 225.4	Pervasive Intense Clay		
		225.4 - 228.1	Fracture Controlled Moderate Clay	Pervasive Weak Sericitisation	Patchy Weak Chlorite

228.0 - 245.0	MxF	augn	Fol-mod	Grey Augen gniess. weakly sericite altered, moderate silica flooding, minor disseminated sooty pyrite. Oxidation weak and patchy.	
		228.1 - 245.0	Pervasive Moderate Silicification	Pervasive Weak Sericitisation	

Drill Log: CFD0413

Easting	585075.61	Hole Length	230m	Prospect	Double Double	Drill Started	Aug 18, 2014	Comment
Northing	6973253.29	Azimuth	0°	Target	Metallurgy	Drill Completed	Aug 19, 2014	
Projection	UTM7-NAD83	Dip	-86°	Geologist	KGrodzicki	Core Size	NQ2	
Survey method	RTK GPS	Elevation	1096.39mASL					

Lithology and Alteration

Interval	Lith	Texture	Deformation	Comments
0.0 - 5.1	OVB			
5.1 - 14.6	Ylim	bx		Fine grained, weakly foliated, silicified, quartz, limonite altered matrix supported breccia. Breccia has a weak foliation in places. Interstitial hematite present. Stockwork of irregular carbonate filled fractures.
		5.1 - 33.5	Pervasive Weak Clay	Pervasive Moderate Silicification Patchy Weak Calcite
14.6 - 16.9	FG	band	Fol-str	Limonite altered felsic gneiss with original weak foliation still visible. Fracture controlled limonite and interstitial limonite and hematite both present. Moderate carbonate alteration to mafic bands.
16.9 - 18.7	Ylim	bx		Fractured and weakly brecciated. Polymict, fine grained, silicified quartz limonite and hematite altered matrix supported breccia. Clasts are sub angular to subrounded and the breccia has a weak foliation.
18.7 - 19.8	FG	band	Fol-str	Feldspar phenocrysts are strongly altered to clay and limonite with some exhibiting carbonate replacement. Strong foliation and some phenocrysts have an S-C fabric visible.
19.8 - 32.5	Ylim	bx		Strongly hematite and limonite altered polymict, matrix supported quartz breccia. Sub rounded to sub angular clasts with a weak foliation locally. Massive silicified texture in places. Weak patchy sericite alteration to un-oxidised areas.
32.5 - 36.3	BtS	band	Fol-mod	Strong chlorite alteration visible where limonite and hematite are not visible. Strongly fracture controlled limonite alteration. Strong foliation. Silica and sericite alteration. Arsenopyrite blebs along schistosity.
		33.5 - 36.3	Pervasive Weak Chlorite	Pervasive Moderate Silicification Pervasive Weak Calcite
36.3 - 37.8	Ylim	bx		Polymict, fine grained, silicified, quartz, limonite altered matrix supported breccia. Massive limonite alteration in places.
		36.3 - 37.8	Pervasive Weak Clay	Pervasive Moderate Silicification Patchy Weak Calcite
37.8 - 39.5	BtS	band	Fol-mod	Alternating fresh and oxidised biotite schist. Chlorite alteration and fracture controlled limonite alteration. Bleached and intense silica-sericite alteration in patches.
		37.8 - 39.5	Pervasive Moderate Chlorite	Pervasive Moderate Silicification Patchy Moderate Calcite
39.5 - 43.2	FG	band	Fol-str	Limonite altered felsic gneiss with arsenopyrite present along foliations locally. Strong foliation. Carbonate veinlets locally cut foliations.
		39.5 - 43.2	Pervasive Moderate Clay	Pervasive Moderate Silicification Patchy Moderate Calcite
43.2 - 50.0	BtS	band		Oxidized with fresh bands of biotite schist with chlorite and sericite alteration. Fracture controlled limonite alteration bleeds preferentially into layers of host rock. Fine grained disseminated pyrite locally. Chlorite alteration to fresh biotite schist.
		43.2 - 51.8	Pervasive Moderate Clay	Pervasive Moderate Silicification Patchy Moderate Calcite
50.0 - 51.8	Ylim	bx	Fol-wk	Strong fracture controlled hematite and limonite alteration. Local polymict, fine grained, quartz silicified, limonite-hematite matrix supported breccia.
51.8 - 79.2	BtS	band	Fol-mod	Alternating schist and gneiss variably altered by hematite. Patchy carbonate alteration, specifically to mafic bands. Gneiss highly silicified in places while locally feldspar phenocrysts are altered to clay. Quartz veins parallel to foliation are common in the gneiss.
		51.8 - 79.2	Pervasive Moderate Chlorite	Pervasive Weak Clay Pervasive Moderate Silicification
79.2 - 81.7	FG	band	Fol-str	Limonite altered, banded gneiss. Feldspar phenocrysts altered to clay and limonite stained.
		79.2 - 87.0	Pervasive Moderate Clay	Moderate Silicification
81.7 - 83.0	Ylim	bx	Fol-str	Fine grained polymict quartz breccia. Limonite altered matrix supported. Weak foliation in places.
83.0 - 87.0	FG	band	Fol-str	Alternating oxidized and altered gneiss with polymict, limonite matrix supported quartz breccia.
87.0 - 101.2	BtS	band	Fol-str	Fresh biotite schist with foliation parallel quartz veins. Carbonate-silica-sericite altered. Local 60 cm felsic gneiss.
		87.0 - 101.2	Pervasive Moderate Chlorite	Patchy Moderate Clay Pervasive Moderate Silicification

101.2 - 103.2	FG	silc	Fol-mod	Orange-maroon, moerately oxdized felsic gneiss. Original texture partially obscured by silica+-sericite flooding and moderate fracturing. Local qtz or felds augen. Hem flooding of groundmass and limonite on fractures. Trace disseminated pyrite.		
101.2 - 103.2			Pervasive	Moderate Silicification	Pervasive Weak Sericitisation	Fracture Controlled Weak Clay
103.2 - 110.1	BtS	band	Fol-str	Dark to pale green biotite-amphibole schist. Moderate pervasive chlorite alteration, minor leucoxene, patchy epidote alteration. Local 60 cm hematite altered felsic gneiss.		
103.2 - 110.1			Pervasive	Moderate Chlorite	Patchy Weak Silicification	Patchy Weak Epidote
110.1 - 111.2	BtS	band	Fol-str	Dark grey-green biotite schist. Local 1 cm zones of breccia with sooty sulfide cement. Sooty sulfide replacement of biotite throughout, moderate chlorite alt, moderate patchy silicification. Minor limonite fractures.		
110.1 - 111.2			Patchy	Moderate Silicification	Pervasive Moderate Chlorite	
111.2 - 136.1	BtS	silc	Fol-wk	Grey-green biotite schist. Pervasive silica+-sericite alteration with minor disseminated pyrite. 3-4 m intervals of strong pervasive limonite oxidation, minor pyrite where not oxidized. 30 cm gouge at 133.7 with clay-limonite fill.		
111.2 - 112.0			Pervasive	Moderate Silicification	Patchy Weak Clay	
112.0 - 116.7			Patchy	Moderate Silicification	Patchy Moderate Clay	Patchy Weak Sericitisation
116.7 - 122.2			Pervasive	Moderate Silicification	Patchy Weak Sericitisation	Pervasive Weak Chlorite
122.2 - 125.9			Patchy	Weak Silicification	Patchy Weak Sericitisation	Fracture Controlled Weak Clay
125.9 - 130.8			Pervasive	Strong Silicification	Patchy Weak Sericitisation	Patchy Weak Chlorite
130.8 - 132.4			Pervasive	Weak Silicification	Patchy Weak Clay	
132.4 - 136.1			Pervasive	Weak Chlorite	Vein Selvege Weak Silicification	Patchy Moderate Leucoxene
136.1 - 142.2	FG	bxm	Fol-mod	Orange-rust red felsic gneiss? Textures obscured by oxidation, weak augen? Local 5-10 cm clay gouge zones. No visible sulfides.		
136.1 - 142.2			Pervasive	Moderate Clay	Patchy Weak Silicification	
142.2 - 148.0	FLT	Clast		Clast and matri supported monomictic breccia. Clasts of qtz or chlorite altered bts?, mostly in-situ. Gouge matrix. Strong hem and limonite alteration. Very broken and soft core.		
142.2 - 148.0			Pervasive	Strong Clay	Patchy Weak Silicification	Patchy Weak Chlorite
148.0 - 151.9	BtS	band	Fol-str	Patchy ornge and green Biotite schist. Minor fault gouge and weak crackle breccia. Moderate patchy lim+hem oxidation.		
148.0 - 151.9			Patchy	Moderate Clay	Patchy Weak Chlorite	Patchy Weak Silicification
151.9 - 159.1	BtS	band	Fol-str	Pale green biotite-hbl-felds phyric biotite schist. Amphibole and kfelds 1-2mm. Moderate chl and weak epidote alt overprint. Mod diss leucox.		
151.9 - 159.1			Pervasive	Moderate Chlorite	Patchy Weak Epidote	Patchy Weak Leucoxene
159.1 - 170.0	MxM	band	Fol-mod	Cream-orange well folliated unit with local augen? Appears to be mix of felsic and mafic units. Weak pervasive silica-sericite alt with weak clay overprint. Moderate limonite-hem fractures. No visible sulfides.		
159.1 - 170.0			Pervasive	Moderate Silicification	Patchy Weak Sericitisation	Patchy Weak Clay
170.0 - 171.0	RU	band	Fol-str	Banded pale and dark green talc schist. Bands 1-2 cm wide. Strong and irregular foliations. Sft to scratch. Abundant carbonate stringers.		
170.0 - 171.0			Pervasive	Moderate Chlorite	Moderate	
171.0 - 175.7	BtS	band	Fol-mod	Dark to medium green biotite schist. Local 10-20 cm zone that look like talc schist but not slippery. Moderate chlorite overprint and weak patchy silica-sericite alteration. Trace disseminated pyrite.		
171.0 - 175.7			Pervasive	Moderate Chlorite	Vein Selvege Weak Silicification	Patchy Weak Sericitisation
175.7 - 188.8	MxM	band	Fol-mod	Green with pink foliated gneiss. Abundant chlorite after biotite. 1-2mm feldspars. Weak silicification with sericite. Faint hematite dusting throughout. Minor hem+-limonite on fractures.		
175.7 - 188.8			Pervasive	Moderate Chlorite	Pervasive Weak Silicification	Pervasive Weak Sericitisation
188.8 - 199.3	MxF	augn	Fol-mod	Orange to grey-green, up to 5mm augen rich, mixed gneiss. Zones of chl alt matrix and pale bleached zones. Moderate silica-sericite overprint. Minor disseminated pyrite. Moderate to strong limonite+-hematite oxidation along fractures, locally intense.		
188.8 - 199.3			Pervasive	Moderate Silicification	Patchy Weak Sericitisation	Weak Chlorite
199.3 - 202.7	MxM	band	Fol-mod	Green with orange biotite schist with abundant 1-2mm feldspars. Moderate chlorite after mafics, moderate pervasive silica+-sericite and local qtz veins. Patchy disseminated pyrite. Weak limonite fracturing.		
199.3 - 202.9			Pervasive	Moderate Chlorite	Vein Selvege Weak Silicification	Weak Sericitisation
202.7 - 210.9	MxM	band	Fol-wk	Orange with pale cream felds and chlorite gneiss. Patchy silicification and sericitization, local qtz veins. Weak patchy clay. Moderate limonite oxidation on locally intense fractures. Trace disseminated pyrite.		
202.9 - 210.9			Vein Selvege	Moderate Silicification	Patchy Weak Sericitisation	Patchy Weak Clay

210.9 - 212.1	FLT	mud	Orange fault gauge, local zones of clast supported monomictic breccia with jigsaw fit. Intense clay alteration and strong limonite+-hematite oxidation.		
		210.9 - 212.1	Pervasive Strong Clay	Patchy Weak Silicification	
212.1 - 220.9	MxM	band	Fol-wk	Orange mied gneiss as above fault. Numerous very low angle narrow gauge zones with angular clasts. Moderate patchy silicification+-sericitization, moderate clay overprint. Local 1 cm quartz veins. Strong limonite+-hematite oxidation.	
		212.1 - 220.9	Patchy Moderate Silicification	Patchy Moderate Clay	Patchy Weak Sericitisation
220.9 - 230.0	BtS	band	Fol-mod	EOH. Dark green well foliated biotite and minor felds schist. Moderate chlorite alteration, trace disseminated pyrite. Local 1-5 cm qtz veins.	
		220.9 - 230.0	Pervasive Moderate Chlorite	Vein Selvege Weak Silicification	

Drill Log: CFD0414

Easting	583995.31	Hole Length	69m	Prospect	Supremo T1-2	Drill Started	Aug 18, 2014	Comment Abandoned hole, stuck rods , spun rods & retrieved rods, lost core barrel & bit. Quick logged only, close to other holes.
Northing	6975002.66	Azimuth	0°	Target	BH-5	Drill Completed	Aug 19, 2014	
Projection	UTM7-NAD83	Dip	-90°	Geologist	CDavis	Core Size	HQ	
Survey method	RTK GPS	Elevation	1177.01mASL					

Litholoav and Alteration

Interval	Lith	Texture	Deformation	Comments
0.0 - 2.0	OVB			
2.0 - 10.0	MxM	band		Weakly oxidised gneiss. Limonite alteration, carbonate alteration absent in gneiss, biotite schist zones are weakly carbonaceous. Unmineralized translucent grey qtz veins. In mafic bands qtz veins show ductile deformation and qtz is locally a rusty orange
10.0 - 69.0	MxF	band		

Drill Log: CFD0415

Easting	584911.69	Hole Length	164m	Prospect	Supremo T7	Drill Started	Aug 18, 2014	Comment
Northing	6974375.88	Azimuth	270°	Target	Supremo Infill	Drill Completed	Aug 19, 2014	
Projection	UTM7-NAD83	Dip	-50°	Geologist	HWalsh	Core Size	NQ2	
Survey method	RTK GPS	Elevation	1241.39mASL					

Litholoav and Alteration

Interval	Lith	Texture	Deformation	Comments
0.0 - 3.2	OVb			Gneiss Boulders
		0.0 - 13.3	Pervasive Weak Sericitisation	Replaces Felsics Weak Clay
3.2 - 10.3	MxM	band		Grey, weakly altered, weakly oxidized mixed gneiss. Alteration is moderately fracture controlled and weakly pervasive clay, weak pervasive sericite, moderate silicification. Oxidation is patchy limonite and hematite. Mechanically broken and rubblely core.
10.3 - 17.8	MxF	band		Tan augen textured predominately felsic gniess. Patchy felsic-replacing and fracture controlled clay, weak sericite.
		13.3 - 23.3	Pervasive Weak Sericitisation	Replaces Felsics Moderate Clay Fracture Controlled Strong Clay
17.8 - 25.0	MxF	band		Orange moderate to strongly clay altered, moderate to strongly oxidized augen gniess. Oxidation is patchy to pervasive, moderate to strong limonite and hematite.
		23.3 - 25.9	Pervasive Weak Sericitisation	Replaces Felsics Weak Clay Weak Silicification
25.0 - 48.7	MxF	augn		Grey-Pink moderately silicified augen gniess. Alteration is weak clay and sericite. Oxidation is weak and patchy. Weakly fractured fresh gniess. Lenses of clay altered BtS.
		25.9 - 42.3	Pervasive Moderate Silicification	Pervasive Weak Sericitisation
		42.3 - 43.8	Replaces Felsics Weak Clay	Pervasive Weak Sericitisation
		43.8 - 60.6	Pervasive Moderate Silicification	Pervasive Weak Sericitisation Fracture Controlled Weak Clay
48.7 - 52.0	MxF	augn		Dark grey augen gneiss, disseminated sooty sulphides. Strong patchy limonite oxidation. Moderate silicification.
52.0 - 140.4	MxF	augn		Grey augen gneiss, weak to moderate alteration, weak to moderate oxidation. Predominate alteration is silica and minor sericite, clay. Oxidation is patchy and fracture controlled, with trace disseminated pyrite. Strong fracture controlled clay alteration from
		60.6 - 61.8	Replaces Felsics Weak Clay	Pervasive Weak Sericitisation
		61.8 - 72.0	Pervasive Moderate Silicification	Pervasive Weak Sericitisation
		72.0 - 78.5	Pervasive Moderate Silicification	Pervasive Weak Sericitisation Pervasive Weak Clay
		78.5 - 93.2	Pervasive Moderate Silicification	Pervasive Weak Sericitisation Fracture Controlled Weak Calcite
		93.2 - 100.3	Pervasive Moderate Clay	Pervasive Weak Sericitisation Pervasive Weak Silicification
		100.3 - 115.0	Pervasive Moderate Silicification	Weak Sericitisation
		115.0 - 119.6	Replaces Felsics Weak Clay	Pervasive Weak Sericitisation
		119.6 - 127.3	Pervasive Moderate Silicification	Patchy Weak Chlorite Patchy Weak Sericitisation
		127.3 - 132.9	Replaces Felsics Moderate Clay	Patchy Weak Sericitisation Fracture Controlled Moderate Clay
		132.9 - 137.1	Replaces Felsics Weak Clay	Patchy Weak Sericitisation Fracture Controlled Weak Clay
		137.1 - 139.9	Pervasive Weak Clay	Pervasive Weak Silicification
		139.9 - 142.0	Pervasive Weak Clay	Fracture Controlled Strong Clay Patchy Weak Sericitisation
140.4 - 141.0	Ylim	bx		unconsolidated limonite rock flour matrix clast supported polymictic sub angular medium grained breccia.
141.0 - 159.0	MxF	augn		Grey augen gneiss, minor disseminated sulphides, limonite and hematite oxidation varies from moderately patchy to weakly disseminated. Alteration is predominately patchy clay and sericite.
		142.0 - 146.3	Pervasive Weak Silicification	Pervasive Weak Clay Patchy Weak Sericitisation
		146.3 - 164.0	Pervasive Weak Silicification	Patchy Weak Chlorite Patchy Weak Biotite

159.0 - 164.0	MxF	augn	Green-grey zone of alternating lenses of augen gneiss and bioite-chlorite schist (60% gniess), with chlorite alteration bleeding into gneissic lenses. Clay alteration preferentially altering BtS. Vuggy. Generally cohesive, weakly fractured.
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Drill Log: CFD0416

Easting	584974.81	Hole Length	149.5m	Prospect	Double Double	Drill Started	Aug 20, 2014	Comment
Northing	6973219.34	Azimuth	5°	Target	Metallurgy	Drill Completed	Aug 21, 2014	
Projection	UTM7-NAD83	Dip	-80°	Geologist	KGrodzicki	Core Size	NQ2	
Survey method	RTK GPS	Elevation	1085.2mASL					

Litholoav and Alteration

Interval	Lith	Texture	Deformation	Comments
0.0 - 12.0	OVB			
12.0 - 23.2	BtS	band	Fol-mod	Pale creamy orange biotite schist. Moderate to strong foliation, local feldspars. Teture locally masked by moderate limonite+-hematatite fracture controlled oxidation. Moderate sericitization, rare qtz veins, weak clay overprint. No visible sulfides.
		12.0 - 23.2	Pervasive	Moderate Sericitisation Pervasive Weak Clay
23.2 - 32.6	Ylim	bxm	Fol-wk	Orange with green brittle crackle brittle/ductile breccia. Clasts slightly rotated and deformed, clast supported.irregular and random fracture orientations. Dominated by clasts. Moderate sericitization with weak clay overprint. Local broken 1 cm qtz veins. No visible sulfides.
		23.2 - 32.6	Pervasive	Moderate Sericitisation Pervasive Weak Clay
32.6 - 39.7	MxM	band	Fol-wk	Pale cream orange bts and 2-3mm felds rich gneiss. Moderate to strong folation, minor limonite fractures. Weak to mod sericitization+-silicification, weak clay overprint, moderate limonite+-hematite oxidation. Trace disseminated py, patchy moderate sooty sulfides.
		32.6 - 39.7	Pervasive	Moderate Sericitisation Pervasive Weak Silicification Pervasive Weak Clay
39.7 - 45.1	Ylim	bxm	Fol-mod	Patchy orange and grey crackle breccia. Local ductile shearing? Moderate silicification throughout, weak patchy clay overprint. Moderate to locally strong fracture controlled limonite and hematite. Trace disseminated py, minor sooty sulfides in un oxidized patches.
		39.7 - 45.1	Patchy	Moderate Silicification Patchy Weak Clay
45.1 - 46.5	Ylim	bxv		Red-orange matrix supported breccia. ~50% clasts supported by limonite-hematite cement. Local zones of crackle breccia. Intense oxidation, moderate clay alteration. Core very broken. Strong locally visible, likely bts protolith.
		45.1 - 46.5	Pervasive	Moderate Clay
		46.5 - 55.3	Patchy	Strong Silicification Patchy Weak Epidote
46.5 - 55.3	HU	bxm		Maroon-orange-grey chaotic breccia. Highly obscured by alteration. Clast supported jigsaw, locally rotated matrix supprted. Quartz cement. Intense maroon hematite overprint, patchy limonite overprint. Strong patchy silicification, rare epidote patches. Common patchy sooty sulfides+-Aspy, rare disseminated pyrite. Transition to non-brecciated over last 4 m.
55.3 - 61.7	BtS	band	Fol-str	Green grey well foliated Bt schist. Moderate chlorite+-epidote overprint, weak patchy silicification. Common quartz veins parallel to folliation. Minor hematite dusting at bottom. Minor disseminated pyrite.
		55.3 - 61.7	Pervasive	Moderate Chlorite Patchy Weak Epidote Weak Silicification
61.7 - 67.7	MxM	band	Fol-str	Grey and orange well foliated schist and minor zones with felsic gneiss with 3-4mm felds augen. Moderate pervasive silicification and qtz veining and moderate sericitization. Moderate patchy limonite. Moderate sooty sulfides.
		61.7 - 67.7	Patchy	Moderate Silicification Patchy Weak Sericitisation
67.7 - 77.4	MxM	band	Fol-mod	Grey and pink bts with ~60 cm bands of augen gneiss. Moderate patchy silicification. Moderate patchy chlorite-epidote overprint. Patchy hematite dusting. Minor weak limonite oidation from 69.92 to 71.78. minor disseminated pyrite.
		67.7 - 77.4	Patchy	Moderate Silicification Patchy Moderate Chlorite Patchy Weak Epidote
77.4 - 84.5	Ylim	bxm	Fol-wk	Pale orange-cream bleached limonite and qtz crackle breccia. Strong silicification+-weak sericitization, weak patchy clay overprint. Moderate pervasive limonite. Common disseminated sooty sulfides, minor disseminated pyrite.
		77.4 - 84.5	Pervasive	Strong Silicification Patchy Weak Sericitisation Patchy Weak Clay
84.5 - 89.1	MxM	band	Fol-str	Grey-green strongly foliated bts with minor 50 cm bands of augen rich gneiss. Moderate chlorite +-epidote overprint, local patchy silicification. Minor hematite dusting throughout. Minor disseminated pyrite.
		84.5 - 89.1	Pervasive	Moderate Chlorite Patchy Weak Epidote Patchy Weak Silicification

89.1 - 89.5	SZ	bxi	Fol-mod	Pale cream-green foliated and sheard zone. Strong silicification and moderate sooty sulfide stringers.		
		89.1 - 89.5	Pervasive	Moderate Silicification	Patchy Moderate Chlorite	Patchy Weak Clay
89.5 - 124.3	MxM	band	Fol-mod	Dark grey-green well foliated bt schist with common 1 m to 30 cm bands of augen felsic gneiss. Moderate chlorite+epidote overprint, weak patchy silicification-sericitization, common qtz veining. Weak hematite dusting throughout. Local soft clay altered intervals as at 101.7 to 102.5. Patchy disseminated pyrite.		
		89.5 - 124.3	Pervasive	Moderate Chlorite	Patchy Weak Epidote	Patchy Weak Silicification
124.3 - 126.4	Yx	bxm		Pale bleached crackle breccia. Bleached less brecciated margins. Strong clay alteration and soft rock in center of unit. Local sooty sulfide cement and stringers.		
		124.3 - 126.4	Pervasive	Strong Clay	Patchy Weak Chlorite	
126.4 - 133.3	MxM	band	Fol-mod	Medium grey with greener patches bt schist mied with augen gneiss. Moderate silicification and sericitization, patchy weak clay alteration. Patchy disseminated sooty sulfides and moderate disseminated pyrite.		
		126.4 - 133.3	Patchy	Moderate Silicification	Patchy Moderate Sericitisation	Patchy Weak Clay
133.3 - 135.0	FLT	bx		pale bleached augen gneiss to solid clay for 60 cm at bottom. Strong clay alteration, local sooty stringers as cememnt to crackle breccia at top of unit.		
		133.3 - 135.0	Pervasive	Strong Clay	Patchy Moderate Silicification	
135.0 - 149.5	MxM	band	Fol-mod	EOH. Grey-green well foliated bt schist with 1 m intervals of augen gneiss. Moderate to weak silicification and sericitization decreasing downhole. Increasing chl and epidote overprint downhole. Minor hematite dusting. Minor disseminated py throughout. Common folliation parallel qtz veins.		
		135.0 - 149.5	Patchy	Moderate Silicification	Patchy Weak Sericitisation	Pervasive Moderate Chlorite

Drill Log: CFD0417

Easting	584977.22	Hole Length	143m	Prospect	Supremo T7	Drill Started	Aug 20, 2014	Comment
Northing	6974378.3	Azimuth	278°	Target	Infill	Drill Completed	Aug 21, 2014	
Projection	UTM7-NAD83	Dip	-50°	Geologist	HWalsh	Core Size	NQ2	
Survey method	RTK GPS	Elevation	1244.21mASL					

Lithology and Alteration

Interval	Lith	Texture	Deformation	Comments
0.0 - 3.2	OVB			gneiss boulders
		0.0 - 26.1	Pervasive Weak Silicification	Patchy Weak Sericitisation
				Fracture Controlled Weak Clay
3.2 - 28.5	MxF	augn		Grey to pink augen gneiss, weak alteration (clay, sericite), weak oxidation, oxidation increasing down hole. Pitted. Small lenses of preferentially clay altered biotite schist. Quartz-carb vein at 22m.
		26.1 - 28.5	Replaces Felsics Moderate Clay	Patchy Weak Sericitisation
28.5 - 32.5	MxF	augn		Zone. Tan to orange to red augen gneiss, moderate fracture associated and felsic replacing clay, patchy to disseminated strong oxidation. Strongly fractured from 28.5m-29.5m. Patchy sooty sulphides ~1%
		28.5 - 29.5	Fracture Controlled Moderate Clay	
		29.5 - 36.1	Replaces Felsics Moderate Clay	Patchy Weak Sericitisation
32.5 - 33.6	Ylim	bx		Brecciated zone. Two distinct brecciations, with gneiss between. Limonite rock flour matrix, chaotic sub angular polymictic clast supported medium grained sharp upper contact breccia
33.6 - 82.1	MxF	augn		Zone. Orange to red augen gneiss, moderately clay altered, strongly oxidized. oxidation fronts visible. Patchy sooty sulphides. Minor disseminated brassy pyrite. Fracture controlled clay, minor patchy sericite. Pitted and vuggy. <4cm white quartz veins throughout. Brecciated quartz vein at 53.3m. Large hydrothermally altered vuggy talc and limonite altered quartz vein at 69.2m-72.8m.
		36.1 - 39.2	Pervasive Weak Clay	Pervasive Weak Silicification
				Patchy Weak Sericitisation
		39.2 - 57.3	Replaces Felsics Moderate Clay	Pervasive Weak Sericitisation
				Fracture Controlled Moderate Clay
		57.3 - 74.5	Replaces Felsics Moderate Clay	Patchy Weak Sericitisation
				Patchy Weak Talc
		74.5 - 80.3	Replaces Felsics Moderate Clay	Patchy Weak Sericitisation
				Fracture Controlled Moderate Clay
		80.3 - 82.3	Pervasive Weak Clay	Pervasive Weak Silicification
				Fracture Controlled Weak Clay
82.1 - 100.3	FG	augn		Grey augen gneiss, weakly altered, weakly fractured. Moderate silicification, weak sericitisation, patchy felsic replacing clay alteration. Weak disseminated limonite/hematite oxidation, moderate in patches. Lenses of chlorite-biotite schist. Quartz vein at 85m with melt halo, minor sooty sulphides and brecciation associated.
		82.3 - 85.0	Pervasive Moderate Silicification	Pervasive Weak Sericitisation
				Fracture Controlled Weak Clay
		85.0 - 86.0	Pervasive Moderate Silicification	Patchy Weak Biotite
				Pervasive Weak Sericitisation
		86.0 - 91.0	Pervasive Weak Silicification	Patchy Weak Sericitisation
		91.0 - 100.3	Pervasive Weak Silicification	Patchy Weak Sericitisation
				Patchy Weak Chlorite
100.3 - 112.3	MxF	augn		Zone. Orange to grey augen gneiss, patchy strong oxidation, locally strong alteration. Alteration is clay, sericite, oxidation is strong limonite, moderate hematite and sootys
		100.3 - 107.0	Pervasive Weak Clay	Patchy Weak Sericitisation
				Patchy Weak Chlorite
		107.0 - 109.3	Replaces Felsics Moderate Clay	Patchy Weak Sericitisation
				Patchy Weak Chlorite
		109.3 - 122.2	Pervasive Weak Silicification	Patchy Weak Sericitisation
				Patchy Weak Chlorite

112.3 - 143.0	FG	augn	Grey augen gneiss, weak to moderate patchy oxidation, patchy moderate clay alteration. moderately fractured. 135.9-136m pale green gneissic textured pervasively altered zone associated with a quartz vein, trace sooty sulphides.		
122.2 - 124.8		Replaces Felsics Moderate Clay	Patchy Weak Sericitisation		
124.8 - 127.9		Fracture Controlled Moderate Clay	Pervasive Weak Silicification	Patchy Weak Sericitisation	
127.9 - 131.4		Replaces Felsics Moderate Clay	Patchy Weak Sericitisation		
131.4 - 136.7		Pervasive Weak Silicification	Patchy Moderate Sericitisation		
136.7 - 140.0		Pervasive Weak Clay	Patchy Moderate Sericitisation		
140.0 - 143.0		Pervasive Weak Silicification			

Drill Log: CFD0418

Easting	584008.13	Hole Length	200m	Prospect	Supremo T3	Drill Started	Aug 19, 2014	Comment	Well_ID: MW14-02B. Vertical hole. No reflex tests and no ori.
Northing	6973507.27	Azimuth	0°	Target	BH-9A	Drill Completed	Aug 23, 2014		
Projection	UTM7-NAD83	Dip	-90°	Geologist	MEckfeldt	Core Size	HQ		
Survey method	RTK GPS	Elevation	1030.93mASL						

Litholoav and Alteration

Interval	Lith	Texture	Deformation	Comments
0.0 - 3.6	OVB			Pebbles and boulders of mixed mafic gneiss
3.6 - 22.1	MxM	band	Fol-str	Grey with orange well strongly banded chlorite and feldspar rich gneiss. Augen less evident due to near equigranular texture. Weak serictic overprint, could be primary, weak chlorite after biotite, locally strong clay in biotite schist only intervals. Weak limonite and hematite in groundmass. Minor disseminated pyrite.
		3.6 - 22.1	Pervasive Weak Sericitisation	Patchy Weak Clay
22.1 - 46.9	MxM	band	Fol-str	Augen rich chlorite and feldspar rich gneiss. Augen very evident, otherwise unit is as above.
		22.1 - 46.9	Pervasive Weak Sericitisation	
46.9 - 56.4	MxM	band	Fol-str	Weakly oxidized mixed mafic, augen rich gneiss. Weak patchy sericitization, weak clay after felsics, minor hematite and limonite in groundmass.
		46.9 - 56.4	Patchy Weak Sericitisation	Replaces Felsics Weak Clay
56.4 - 76.5	MxM	band	Fol-str	Mixed biotite schist and augen rich gneiss. Weak patchy silicification and moderate patchy chloritization. Minor disseminated pyrite throughout. Weak patchy oxidation.
		56.4 - 76.5	Patchy Weak Silicification	Patchy Weak Chlorite
76.5 - 83.8	MxM	band	Fol-str	Weak Zone: Pale buff and orange strongly foliated chlorite rich an augen gneiss. Moderate sericitization, moderate clay after felsics, local foliation parallel qtz veining. Pervasive limonite and foliation controlled hematite. Minor disseminated pyrite.
		76.5 - 83.8	Pervasive Moderate Clay	Pervasive Weak Sericitisation Patchy Weak Chlorite
83.8 - 87.5	MxM	band	Fol-str	Fresh biotite and augen rich gneiss. Weak chlorite in groundmass, moderate hematite dusting, local qtz veining. Minor disseminated pyrite.
		83.8 - 87.5	Pervasive Weak Chlorite	
87.5 - 96.1	MxM	band	Fol-str	Weak Zone: Bleached buff orange well foliated mixed gneiss. Textures locally obscured. Moderate pervasive clay overprint, weak patchy sericite, local foliation parallel qtz veining. Limonite in groundmass hematite in fractures and foliation parallel.
		87.5 - 96.1	Pervasive Moderate Clay	Pervasive Weak Sericitisation
96.1 - 108.0	MxM	band	Fol-str	Pink and green fresh looking biotite schist and augen gneiss. Moderate chlorite overprint, moderate disseminated hematite in gneiss. Common foliation parallel qtz veins. Minor disseminated pyrite.
		96.1 - 108.0	Pervasive Moderate Chlorite	Patchy Weak Silicification
108.0 - 125.6	MxM	band	Fol-mod	Strong Zone: Patchy orange and grey mixed gneiss. Patchy sericitization and patchy weak clay alteration. Patchy strong to weak oxidation. Small pod of sooty sulfides at 110 to 110.6m.
		108.0 - 125.6	Patchy Moderate Clay	Patchy Moderate Sericitisation Patchy Moderate Chlorite
125.6 - 129.0	BtS	band	Fol-str	Green well foliated biotite schist. Moderate chlorite and carbonate oveprint. Common limonite fractures.
		125.6 - 129.0	Pervasive Moderate Chlorite	Patchy Moderate Calcite
129.0 - 129.8	SZ		Fol-str	Pale green highly deformed and folded chloritic+-talc schist. Moderate carbonate overprint as stringers. Strongly deformed. Almost a talc schist?
		129.0 - 129.8	Pervasive Moderate Calcite	Pervasive Moderate Chlorite Pervasive Weak Talc
129.8 - 139.3	BtS	band	Fol-str	Zone: Orange strongly oidized biotite schist. No augen or large feldspars, finely laminated. Weak clay pervasive clay overprint, moderate pervasive sericite. Strong pervasive limonite and hematite, minor pod of sooty sulfides at 138 m.
		129.8 - 139.3	Pervasive Moderate Clay	Pervasive Moderate Sericitisation
139.3 - 144.2	BtS	band	Fol-str	Green-orange feldspar rich biotite schist. Moderate chlorite overprint, weak clay after felsics. Moderate limonite on fractures and in groundmass with hematite.
		139.3 - 144.2	Pervasive Moderate Chlorite	Patchy Weak Clay

144.2 - 163.1	Yx	bxi	Fol-mod	Zone: Bright orange crackle breccia to biotite schist? Textures often destroyed. Moderate clay overprint, weak sericite. local foliation parallel qtz veining. Strong pervasive hematite and limonite. Trace sooty sulfides.		
		144.2 - 163.1	Pervasive Weak Clay	Pervasive Weak Sericitisation		
163.1 - 170.0	HU	mass	Fol-wk	Bleached cream-orange qtz-sericite-pyrite altered zone. Faint foliation visible. Moderate limonite oxidation throughout.		
		163.1 - 170.0	Pervasive Moderate Silicification	Pervasive Weak Sericitisation		
170.0 - 178.3	Yx	bxm	Fol-wk	Zone: Orange crackle breccia, protolith likely biotite schist. Moderate cly after felsics and along fractures. Moderate oxidation in groundmass.		
		170.0 - 178.3	Patchy Moderate Clay	Pervasive Weak Sericitisation		
178.3 - 183.9	BtS	band	Fol-str	Green feldspar rich biotite schist. Moderate clay+-carbonate alteration. Moderate chlorite alteration. Weak clay after felsics.		
		178.3 - 183.9	Pervasive Moderate Chlorite	Pervasive Weak Calcite	Patchy Weak Clay	
183.9 - 200.0	BtS	band	Fol-str	Pale orange and bleached white biotite schist? Patchy moderate silicification and sericitization. Weak patchy oxidation. Minor disseminated pyrite.		
		183.9 - 200.0	Pervasive Moderate Silicification	Patchy Moderate Sericitisation	Patchy Weak Clay	

Drill Log: CFD0419

Easting	583995.31	Hole Length	212m	Prospect	Supremo T1-2	Drill Started	Aug 20, 2014	Comment	Vertical hole, no reflex tests
Northing	6975002.66	Azimuth	0°	Target	BH-5A	Drill Completed	Aug 28, 2014		
Projection	UTM7-NAD83	Dip	-90°	Geologist	MEckfeldt	Core Size	HQ		
Survey method	RTK GPS	Elevation	1177.01mASL						

Litholoav and Alteration

Interval	Lith	Texture	Deformation	Comments
0.0 - 9.0	OVB			Small boulders of felsic gneiss
9.0 - 11.2	IV	phyr		Dark blackish green, 3-4 mm felds phyr dyke. Dark green black matrix groundmass with chalky feldspars. Moderate hematite and limonite after mafic groundmass.
		9.0 - 11.2	Replaces Felsics Weak Clay	
11.2 - 28.2	MxF	band	Fol-str	Zone: Bleached cream-organge felsic augen gneiss with local 10-70 ones of biotite schist. Moderate pervasive sericitiation (could be primary), weak clay overprint. Limonite and hematite in groundmass and fractures. Local sooty sulfides in clots and stringers
		11.2 - 28.2	Replaces Felsics Moderate Clay	Pervasive Moderate Sericitisation
28.2 - 31.8	Ylim	bxv		Zone: Bleached orange limonite and clay filled breccia. Matrix and clast supported. Clasts of quartz and gneiss. Short intervals of unbrecciated gneiss. Moderate clay overprint on sericitized and strongly oxized rock.
		28.2 - 31.8	Pervasive Moderate Clay	Pervasive Moderate Sericitisation
31.8 - 33.5	FG	band	Fol-str	Zone: Pale pink to orange augen gneiss. Thin chlorite laminations between weakly clay altered augen. Limonitic fractures. Moderate pervasive sericite, could be primary.
		31.8 - 33.5	Replaces Felsics Moderate Clay	Pervasive Moderate Sericitisation
33.5 - 34.5	DIOR	phyr	Fol-wk	Dark green 1-2 mm felds phyr dyke. Dark green aphanitic groundmass. Moderate chlorite overprint, clay after feldspars.
		33.5 - 34.5	Pervasive Moderate Chlorite	Replaces Felsics Moderate Clay
34.5 - 43.5	MxF	band	Fol-str	Pink augen gneiss with narrow 30-60 cm bands of chloritic biotite schist. Moderate sericitization, could be primary. Weak patchy silicification could be primary. Weak clay after felsics. Weakly disseminated hematite, minor limonite on fractures.
		34.5 - 43.5	Replaces Felsics Weak Clay	Pervasive Moderate Sericitisation Patchy Weak Silicification
43.5 - 54.1	MxF	band	Fol-str	Weak Zone: Bleached orange white augen gneiss with minor 30 cm bands of biotite schist. Weak silcification around moderate qtz veining, moderate sericitization. Moderate clay after felsic minerals. Moderate limonite and hematite in fractures and in groundmass. Minor sooty sulfides in qtz veining. Narrow crackle or fault at 46.4 to 46.5.
		43.5 - 54.1	Replaces Felsics Moderate Clay	Pervasive Moderate Sericitisation Patchy Weak Silicification
54.1 - 82.8	MxF	band	Fol-str	Pale pink to grey augen gneiss with rare 20 to 70 cm biotite schist. Weak patchy silicification and sericitization but cold be primary. Weak clay after felsics locally. Chlorite after mafics. Weak to moderate hematite dusting throughout. Minor limonite on fracture faces.
		54.1 - 82.8	Pervasive Weak Sericitisation	Patchy Weak Silicification Replaces Felsics Weak Clay
82.8 - 84.5	MxF	band	Fol-mod	Weak Zone: Pale bleached orange augen gneiss. Moderate hematite and limonite in groundmass, weak clay alteration of felsics. Moderte pervasive sericitization, could be primary.
		82.8 - 84.5	Pervasive Moderate Clay	Pervasive Moderate Sericitisation
84.5 - 118.9	MxF	band	Fol-str	Pink to grey felsic gneiss with local 60 cm intervals of chloritic biotite schist. Decreasing augen with depth. Moderate pervaisve sericitization and silicification but could be primary. Weak patchy clay after felsics. Weak to moderate hematite dusting in felsic intervals with few augen. No visible sulfides.
		84.5 - 118.9	Patchy Moderate Silicification	Patchy Moderate Sericitisation Replaces Felsics Weak Clay
118.9 - 136.0	MxF	mass	Fol-wk	Pink massive with little to no augen, gneiss. Minor intervals of banded biotite schist. Could be primary silicification and sericitization. Minor oxidation at 131 to 132 m.
		118.9 - 136.0	Pervasive Strong Silicification	Pervasive Weak Sericitisation Patchy Weak Chlorite

136.0 - 143.5	MxM	band	Fol-str	grey green banded biotite schist with minor felsic gneiss, gradational contacts. Moderate chloritic overprint and weak epidote, weak patchy carbonate overprint. Could be primary sericite or secondary. Weak hematite dusting in groundmass.		
		136.0 - 143.5	Pervasive	Moderate Chlorite	Patchy Weak Epidote	Weak Calcite
143.5 - 212.0	MxF	band	Fol-mod	Pale pink glassy augen rich gneiss, locally grades into slightly increased chlorite in groundmass but still dominantly felsic gneiss. Core very hard likely primary silica, moderate sericitization, also primary? Weak chloritic overprint. Minor hematite dusting throughout. Minor weak oxidation zone at 174.5 to 176.4 and 192.8 to 195.65.		
		143.5 - 212.0	Pervasive	Moderate Silicification	Pervasive Moderate Sericitisation	Patchy Weak Chlorite

Drill Log: CFD0420

Easting	584933.65	Hole Length	197 m	Prospect	Supremo T7	Drill Started	Aug 21, 2014	Comment
Northing	6974427.26	Azimuth	275°	Target	Infill	Drill Completed	Aug 22, 2014	
Projection	UTM7-NAD83	Dip	-50°	Geologist	HWalsh	Core Size	NQ2	
Survey method	RTK GPS	Elevation	1233.33mASL					

Litholoav and Alteration

Interval	Lith	Texture	Deformation	Comments
0.0 - 3.1	OVB			Gneiss boulders
		0.0 - 3.9	Pervasive Weak Sericitisation	
3.1 - 15.5	MxF	augn		Grey-pink gneiss, predominately felsic. Minor vuggy quartz veins. Small biotite lenses, preferentially clay altered, fractured, and pitted. Minor patchy alteration - clay and sericite. Oxidation is predominately patchy and moderate, with small areas of strong oxidation. Sooty sulphides are patchy through 14.5-15.5m.
		3.9 - 6.3	Replaces Felsics Moderate Clay	Patchy Weak Sericitisation
		6.3 - 9.9	Patchy Weak Sericitisation	Patchy Moderate Clay
		9.9 - 11.2	Patchy Weak Clay	Patchy Weak Sericitisation
		11.2 - 17.0	Pervasive Weak Clay	Pervasive Weak Sericitisation
15.5 - 15.6	Ylim	bx		Zone. limonite matrix chaotic clast supported gneiss monomict open space medium grained sharp contact (50 degrees tca) breccia.
15.6 - 53.0	MxF	augn		Zone. Augen gneiss, intensely clay altered and oxidized at 50.2-50.5m. Generally moderate oxidation and alteration. Clay alteration patchily replaces felsics, sericite alteration is weak to moderate and patchy. Weak silicification. Patchily disseminated sooty sulphides throughout. Strong oxidation fronts between limonite and sooty sulphides are visible. Pyritic veins at 47m, partially washed out. Transitioning between zone and relatively fresh augen gneiss.
		17.0 - 30.6	Patchy Weak Clay	Pervasive Weak Sericitisation Patchy Moderate Clay
		30.6 - 33.0	Replaces Felsics Moderate Clay	Pervasive Weak Sericitisation
		33.0 - 40.9	Patchy Weak Clay	Patchy Weak Sericitisation Pervasive Weak Silicification
		40.9 - 45.6	Replaces Felsics Moderate Clay	Patchy Weak Sericitisation
		45.6 - 47.7	Pervasive Weak Clay	Pervasive Weak Silicification Patchy Weak Sericitisation
		47.7 - 50.0	Patchy Moderate Clay	Patchy Weak Sericitisation
		50.0 - 50.3	Pervasive Intense Clay	
		50.3 - 51.9	Replaces Felsics Moderate Clay	Patchy Weak Sericitisation
		51.9 - 53.0	Pervasive Strong Clay	Pervasive Weak Silicification
53.0 - 79.1	MxF	augn		Felsic gneiss as above, decreased mineralization and oxidation, increased silicification.
		53.0 - 57.2	Replaces Felsics Moderate Clay	Patchy Weak Sericitisation
		57.2 - 58.6	Pervasive Moderate Clay	Patchy Weak Sericitisation
		58.6 - 63.4	Patchy Moderate Clay	Patchy Weak Sericitisation Pervasive Weak Silicification
		63.4 - 70.1	Patchy Weak Clay	Pervasive Moderate Silicification Pervasive Weak Sericitisation
		70.1 - 71.0	Pervasive Moderate Clay	
		71.0 - 75.1	Pervasive Moderate Silicification	Weak Clay
		75.1 - 79.1	Pervasive Moderate Silicification	Patchy Weak Chlorite Patchy Weak Sericitisation
		79.1 - 83.5	Replaces Felsics Weak Clay	
79.1 - 88.4	MxF	augn		Zone. Augen gneiss, increased moderate oxidation and alteration, discrete areas of strong oxidation. Clay alteration replaces felsics in patches. Weak silicification Minor sooty sulphides. Small fault zone with minor brecciation at 88m.
		83.5 - 84.5	Pervasive Moderate Clay	Weak Sericitisation
		84.5 - 89.0	Replaces Felsics Moderate Clay	Patchy Weak Sericitisation

88.4 - 188.5	MxF	augn	Grey to pink felsic gneiss. quartz and feldspar rich. weak patchy hematite oxidation. weak clay replacing felsics, weak sericite alteration. few fractures. amphibole-biotite-chlorite lenses up to 1m. 146.1 quartz vein with partial melt associated - weakening in foliation. Increasing AmBtS down hole.		
89.0 - 100.7		Pervasive Moderate Silicification	Patchy Weak Sericitisation	Fracture Controlled Weak Clay	
100.7 - 104.9		Pervasive Weak Clay			
104.9 - 105.5		Replaces Felsics Moderate Clay	Fracture Controlled Weak Clay	Patchy Weak Sericitisation	
105.5 - 113.3		Pervasive Weak Silicification	Patchy Weak Chlorite	Pervasive Weak Clay	
113.3 - 127.2		Pervasive Weak Silicification	Patchy Weak Chlorite	Patchy Weak Sericitisation	
127.2 - 131.9		Pervasive Weak Clay	Fracture Controlled Moderate Clay	Patchy Weak Sericitisation	
131.9 - 141.9		Pervasive Weak Silicification	Patchy Weak Sericitisation	Patchy Weak Chlorite	
141.9 - 160.6		Pervasive Weak Silicification	Patchy Weak Biotite	Patchy Weak Chlorite	
160.6 - 161.0		Fracture Controlled Strong Clay	Fracture Controlled Weak Calcite	Patchy Weak Chlorite	
161.0 - 197.0		Pervasive Moderate Silicification	Patchy Weak Chlorite	Fracture Controlled Weak Calcite	
188.5 - 197.0	MxF	augn	Grey-brown gneiss with zones of BtS, increased oxidation. weakly brecciated oxidized quartz vein from 188.8m-189m		

Drill Log: CFD0421

Easting	584970.48	Hole Length	200m	Prospect	Supremo T5-7	Drill Started	Aug 21, 2014	Comment
Northing	6973724.79	Azimuth	88°	Target	Infill	Drill Completed	Aug 23, 2014	
Projection	UTM7-NAD83	Dip	-50°	Geologist	MEckfeldt	Core Size	NQ2	
Survey method	RTK GPS	Elevation	1182.64mASL					

Litholoav and Alteration

Interval	Lith	Texture	Deformation	Comments
0.0 - 3.6	OVB			
3.6 - 16.0	MxM	band	Fol-str	Zone: Moderate orange oxidation of mixed bts and lesser intervals of augen gneiss. Moderate silicification and sercitization. Core very broke, but little deformation. Minor patchy sooty sulfides? No disseminated pyrite. Moderate pervasive hematite and limonite.
		3.6 - 16.0	Patchy Moderate Silicification	Pervasive Moderate Sericitisation Patchy Weak Chlorite
16.0 - 19.6	MxM	band	Fol-str	Weakly oxidized grey green bts and augen gneiss. Moderate to locally strong silicification and sercitization. Oxidized fracture sets parallel and perpendicular to foliation. Poor orientations. No visible sulfides.
		16.0 - 19.6	Pervasive Moderate Silicification	Pervasive Moderate Sericitisation Pervasive Weak Chlorite
19.6 - 21.3	BtS	band	Fol-str	Zone: Small moderate orange oxidized bts. Strong foliation, weak foliation parallel and perpendicular fracturing. No visible sulfides. Moderate to strong pervasive hematite.
		19.6 - 21.3	Pervasive Moderate Sericitisation	Pervasive Moderate Clay Patchy Weak Chlorite
21.3 - 26.2	BtS	band	Fol-str	Pale green to pink felds rich bts. Strong foliation, locallimonite filled fractures. Moderate silicification and sercitization, chlorite and carbonate overprint. Weak potassic or hematite dusting? To felsic band ~70 cm long. No visible sulfides.
		21.3 - 26.2	Pervasive Moderate Silicification	Pervasive Moderate Sericitisation Pervasive Moderate Chlorite
26.2 - 29.5	BtS	band	Fol-str	Zone: Orange well folliated bts. Highly fractured and broken core. Poor orientations. Patchy silicification and sercitization. Trace sooty sulfides? Strong pervasive hematite and limonite.
		26.2 - 29.5	Patchy Moderate Clay	Patchy Weak Silicification Patchy Weak Sericitisation
29.5 - 40.1	BtS	band	Fol-str	Grey green well foliated Bts. Moderate to weak silicification and sercitization, moderate chlorite+-epidote alteration. Weak pervasive carbonate overprint. Weakly disseminated hematite throughout, trace pyrite, minor fracture controlled limonite.
		29.5 - 40.1	Pervasive Moderate Chlorite	Pervasive Moderate Calcite Patchy Weak Epidote
40.1 - 55.4	MxM	band	Fol-str	Zone: Orange biotite schist with minor augen gneiss. Strong foliation, local crackle breccia and deformation zones. Core very broken, poor orientations. Moderate to strong silicification and moderate sercitization. Strong limonite in banding and locally hematite.
		40.1 - 55.4	Patchy Moderate Silicification	Pervasive Moderate Sericitisation Patchy Moderate Clay
55.4 - 63.8	MxM	band	Fol-str	Grey green biotite schist with local zones of gneiss, could just be coarser felds in biotite schist. Weak silicification and sercitization, Weak carbonate overprint. Moderate chlorite and pachy epidote. No visible sulfides. Minor limonite on fractures. Weak hematite dusting throughout.
		55.4 - 63.8	Pervasive Moderate Chlorite	Patchy Weak Epidote Pervasive Weak Calcite
63.8 - 68.7	OG	mass	Fol-mod	Pale grey green, foliated to fresh equigranular gabbro or ultra mafic? Salt and pepper look to white groundmass and 1-2mm hbl crystals. Abundant zones of intense epidote alteration, foliation and 1-5 mm hbl crystals. Possibly magnetite. Where is my magnet? Local chaotic qtz veining, weak patchy carbonate alteration. Sharp bottomcontact with gouge zone.
		63.8 - 68.7	Patchy Strong Epidote	Patchy Weak Chlorite Patchy Weak Calcite
68.7 - 72.7	FLT	matx	Fol-wk	Zone: Orange gouge with 1 m interval of unbroken biotite schist. Could be fault or could be intense clay alteration. Sharp upper contact. Strong limonite on fractures and in foliation.
		68.7 - 72.7	Pervasive Strong Clay	Patchy Weak Sericitisation Weak Chlorite
72.7 - 98.7	MxM	band	Fol-str	Grey pink biotite schist and local ~1m chlorite rich augen gneiss. Mostly biotite schist for first 2 m. Strong foliation. Moderate chlorite overprint, Weak sercitization, weak patchy silicification. Pachy weak hematite dusting to groundmass. Trace disseminated pyrite increases at bottom of interval.
		72.7 - 98.7	Pervasive Moderate Chlorite	Pervasive Weak Sericitisation Patchy Weak Silicification

98.7 - 107.7	MxM	band	Fol-str	Zone: Orange well foliated mixed gneiss. Original mineralogy obscured by oxidation. Moderate sericitization, weak silicification. Strong hematite and limonite in groundmass.
		98.7 - 107.7	Pervasive	Moderate Sericitisation Patchy Weak Silicification Patchy Moderate Clay
107.7 - 122.9	MxM	band	Fol-str	Grey meter scale alternating biotite schist with felsic augen gneiss with abundant chloritic banding. Moderate chloritic overprint, moderate sericitization, moderate silicification but could be primary. Local limonite fractures. Minor disseminated pyrite. Can't trust orientation, was 180 on a few runs. Chloritic matrix supported breccia at 121.5 to 122.2
		107.7 - 122.9	Patchy	Moderate Chlorite Patchy Moderate Sericitisation Pervasive Moderate Silicification
122.9 - 128.7	MxF	band	Fol-str	Grey-pink well foliated augen gneiss. Strong silicification or likely primary annealing of qtz, local chlorite banding. Common 1-5 m opaque qtz veins with limonitic halos. Weak disseminated hematite throughout. Minor disseminated pyrite.
		122.9 - 128.7	Patchy	Weak Chlorite Patchy Weak Silicification
128.7 - 150.3	MxM	band	Fol-str	Grey-green mafic bts with pink felsic augen gneiss. Very coarse qtz veining at top and bottom of interval. Moderate to strong chloritization, weak carbonate overprint. Trace disseminated pyrite.
		128.7 - 150.3	Patchy	Strong Chlorite Patchy Weak Calcite
150.3 - 155.7	Yx	bxi	Fol-str	Orange clay altered biotite schist. Minor limonite crackle breccia for ~60 cm at top of unit and intense matrix supported, chaotic breccia for 50 cm at bottom of unit. Breccia at bottom, matrix supported, clay cement, angular and rotated qtz fragments.
		150.3 - 155.7	Pervasive	Strong Clay
155.7 - 159.7	MxM	band	Fol-str	Small Zone: Pale bleached orange oxidized zone. Moderate silicification, could be primary. Moderate sericitization. Weak clay overprint. Minor sooty sulfides. Dominant fractures oblique and perpendicular to foliation.
		155.7 - 159.7	Pervasive	Moderate Silicification Pervasive Moderate Sericitisation Patchy Weak Clay
159.7 - 200.0	MxF	band	Fol-str	Banded felsic augen gneiss and lesser 30-60 cm bands of biotite-amphibole schist. Silicification and sericite primary in felsic intervals? Strong chlorite+epidote in mafic bands. Local foliation qtz veining in felsic. Common limonitic fractures in otherwise fresh rock. Hem dusting in felsic. Minor disseminated pyrite.
		159.7 - 200.0	Patchy	Moderate Silicification Patchy Moderate Sericitisation Patchy Strong Chlorite

Drill Log: CFD0422

Easting	584857.96	Hole Length	65m	Prospect	Supremo T7	Drill Started	Aug 22, 2014	Comment
Northing	6974528.57	Azimuth	270°	Target	Infill	Drill Completed	Aug 23, 2014	
Projection	UTM7-NAD83	Dip	-50°	Geologist	HWalsh	Core Size	NQ2	
Survey method	RTK GPS	Elevation	1199mASL					

Lithology and Alteration

Interval	Lith	Texture	Deformation	Comments
0.0 - 6.0	OVb			Gneiss boulders
6.0 - 9.5	MxF	band		Grey mixed gneiss, moderately silicified, weak augen texture. alteration is weak, oxidation is minor.
		6.0 - 8.2	Replaces Felsics Moderate Clay	Patchy Weak Sericitisation
		8.2 - 11.5	Replaces Felsics Weak Clay	Fracture Controlled Moderate Clay Patchy Weak Sericitisation
9.5 - 12.0	FLT			Felsic gneiss, strongly fractured and oxidized. Clay alteration strong on fracture faces, weakly pervasive. weak sericite. oxidation is limonite, fracture controlled and disseminated.
		11.5 - 14.3	Pervasive Weak Clay	Pervasive Moderate Silicification
12.0 - 36.0	MxF			Cream coloured augen gneiss, moderate to strongly fractured. Moderate fracture controlled and weakly pervasive clay alteration, patchy moderate sericite, mafic-replacing chlorite bleeding from lenses of BtS. Oxidation is weak and generally disseminated. Weak silicification. Manganese bloom on fracture faces.
		14.3 - 16.3	Replaces Felsics Moderate Clay	Patchy Weak Sericitisation
		16.3 - 17.0	Patchy Moderate Chlorite	Patchy Strong Sericitisation Replaces Felsics Moderate Clay
		17.0 - 23.3	Pervasive Moderate Clay	Replaces Mafics Weak Chlorite Patchy Weak Sericitisation
		23.3 - 34.2	Pervasive Weak Clay	Replaces Mafics Weak Chlorite Pervasive Moderate Sericitisation
		34.2 - 38.7	Pervasive Weak Clay	Pervasive Weak Silicification Pervasive Moderate Sericitisation
36.0 - 46.2	MxM	lamn	Fol-wk	MxM. Grey, laminated with approximately 50% biotite schist, moderate to strong fracturing, strong patchy sericite alteration, fracture controlled and pervasive clay, oxidation is moderate and patchy.
		38.7 - 40.3	Pervasive Moderate Clay	Patchy Weak Sericitisation
		40.3 - 41.9	Pervasive Weak Clay	Pervasive Weak Silicification Pervasive Moderate Sericitisation
		41.9 - 46.2	Replaces Felsics Moderate Clay	Pervasive Weak Sericitisation
46.2 - 46.8	YO	bx		Clay altered matrix angular clast supported medium grained monomictic gneiss irregular contact breccia.
		46.2 - 46.8	Pervasive Strong Clay	
46.8 - 65.0	MxM	lamn		Grey mixed gneiss, moderately fractured. Same unit as above breccia. Alteration is generally moderate, with discrete areas of strong alteration, usually related to fracturing. Alteration is predominately clay and sericite. Minor brecciation at 48.8-49m.
		46.8 - 58.4	Patchy Weak Clay	Fracture Controlled Moderate Clay Pervasive Moderate Sericitisation
		58.4 - 59.7	Pervasive Moderate Silicification	Patchy Weak Sericitisation
		59.7 - 60.9	Pervasive Moderate Clay	Patchy Weak Sericitisation
		60.9 - 62.8	Pervasive Moderate Sericitisation	Patchy Strong Sericitisation Pervasive Moderate Silicification
		62.8 - 64.0	Pervasive Moderate Clay	Patchy Weak Sericitisation
		64.0 - 65.0	Pervasive Moderate Sericitisation	Patchy Strong Sericitisation Pervasive Moderate Silicification

Drill Log: CFD0423

Easting	584682.82	Hole Length	107 m	Prospect	Supremo T5	Drill Started	Aug 23, 2014	Comment
Northing	6973819.86	Azimuth	270°	Target	Infill	Drill Completed	Aug 24, 2014	
Projection	UTM7-NAD83	Dip	-50°	Geologist	MEckfeldt	Core Size	NQ2	
Survey method	RTK GPS	Elevation	1186.8mASL					

Litholoav and Alteration

Interval	Lith	Texture	Deformation	Comments
0.0 - 5.6	OVb			Small pebbles and boulders of felsic gneiss.
5.6 - 18.5	MxM	band	Fol-str	Alternating green and grey-pink biotite schist rich in felds, with regular 2-3 m intervals of felsic gneiss with minor faint augen. Moderate sericitic alteration, possibly primary silicification on felsic intervals. Moderate pervasive chlorite through biotite schist. Weak to moderate clay overprint increases with depth. Increasing pervasive limonite and hematite with depth. No visible sulfides.
		5.6 - 18.5	Pervasive Moderate Clay	Pervasive Moderate Sericitisation Patchy Weak Silicification
18.5 - 19.8	Yx	bx	Fol-str	Dark green brittle deformed biotite schist. Moderate to locally strong clay overprint. Strong chlorite overprint. Moderate limonite and hematite in fractures and in groundmass.
		18.5 - 19.8	Patchy Strong Clay	Strong Chlorite
19.8 - 26.0	MxM	band	Fol-str	Weak Zone: Dark green to bleached pale orange. Moderate clay overprint on chloritic biotite schist with minor felsic gneiss. Moderate sericitization, could be primary. Moderate pervasive limonite after mafics and in fractures. Limonite increases at bottom of interval.
		19.8 - 26.0	Pervasive Moderate Clay	Patchy Moderate Chlorite Patchy Moderate Sericitisation
26.0 - 28.1	SZ	mud	Fol-wk	Green intensely clay altered zone. Textures obscured. Could be fault or just intense clay zone. Minor limonite and hematite in fractures and groundmass. No orientations above or below.
		26.0 - 28.1	Pervasive Strong Clay	Moderate Chlorite
28.1 - 35.6	MxM	band	Fol-str	Pale bleached green with pink, biotite schist with short 70 cm intervals of felsic gneiss with minor augen. Moderate patchy clay overprint, weak sericitization, could be primary. Local 1 cm or less foliation parallel qtz veins. Limonite on fractures and hematite in groundmass of felsic gneiss. No orientations.
		28.1 - 35.6	Patchy Moderate Clay	Patchy Moderate Chlorite Patchy Weak Sericitisation
35.6 - 42.5	MxM	band	Fol-str	Weak Zone: Pale bleached orange gneiss. Partially obscured by alteration but likely mafic with minor felsic gneiss, little to no augen. Moderate clay overprint, weak sericitization. Moderate foliation parallel limonite+-hematite. Common qtz veins parallel to foliation.
		35.6 - 42.5	Pervasive Moderate Clay	Pervasive Weak Sericitisation
42.5 - 45.9	Ylim	band	Fol-str	Weak Zone: Numerous 2-4 cm discrete matrix supported limonite/clay cemented breccia. Angular rotated qtz vein clasts. Longer intervals of strongly oxidized mixed gneiss as above.
		42.5 - 45.9	Patchy Strong Clay	Pervasive Moderate Sericitisation
45.9 - 59.4	MxM	band	Fol-str	Zone: Pale orange mixed mafic gneiss, little to no visible augen. Strong foliation and moderate fracturing. Moderate sericitization. Moderate clay after felsic overprint. Moderate pervasive limonite, foliation controlled hematite. Dominantly foliation parallel fractures. No orientations.
		45.9 - 59.4	Pervasive Moderate Clay	Pervasive Moderate Sericitisation Patchy Weak Chlorite
59.4 - 68.4	MxM	band	Fol-str	Bleached white and green mixed felds rich biotite schist. Moderate to weak clay afer felsics, moderate chlorite overprint, weak sericite. Minor fracture and foliation controlled limonite and hematite.
		59.4 - 68.4	Patchy Moderate Chlorite	Patchy Moderate Clay Pervasive Weak Sericitisation
68.4 - 75.4	Yx	band	Fol-str	Strong Zone: Orange-red crackle breccia, likely originally mixed mafic. Moderate to strong pervasive clay alteration. Weak sericitization. Textures obscured. Core very broken. Strong limonite and hematite overprint.
		68.4 - 75.4	Pervasive Strong Clay	Patchy Weak Sericitisation Patchy Weak Chlorite
75.4 - 81.9	RU		Fol-str	Green soapy talc unit. Chaotic and strong ductile deformation. Hematite stringers or hairline fractures. Rusted sulfides 1mm. Very sharp upper and lower contacts.
		75.4 - 81.9	Pervasive Moderate Talc	Patchy Weak Chlorite

81.9 - 89.7	MxM	band	Fol-str	Grey strongly foliated biotite schist with minor felsic gneiss. Unit is moderately chloritized and sericitized. Increasing hornfels? Towards the bottom of the unit, hard. Weak limonite on fractures. Increased hematite near bottom, possibly from mafic dyke.	
		81.9 - 89.7	Pervasive Moderate Chlorite	Pervasive Moderate Sericitisation	
89.7 - 92.2	IV	mass		Black to dark grey unit. Moderately magnetic. Little to no internal features. Top contact appears intrusive, but can't actually see. Bottom unknown.	
		89.7 - 92.2	Pervasive Weak Calcite		
92.2 - 107.0	MxM	band	Fol-str	Grey with green biotite schists with minor 2-5 cm felsic gneiss bands. Fairly fresh rock. Moderate chloritization. EOH	
		92.2 - 107.0	Pervasive Moderate Chlorite		

Drill Log: CFD0424

Easting	584870.62	Hole Length	98m	Prospect	Supremo T7	Drill Started	Aug 23, 2014	Comment
Northing	6974580.49	Azimuth	273°	Target	Infill	Drill Completed	Aug 24, 2014	
Projection	UTM7-NAD83	Dip	-51°	Geologist	HWalsh	Core Size	NQ2	
Survey method	RTK GPS	Elevation	1184.97mASL					

Lithology and Alteration

Interval	Lith	Texture	Deformation	Comments
0.0 - 8.0	OVb			
		0.0 - 8.3	Pervasive Strong Clay	
8.0 - 18.0	MxF	band		Mixed gneiss, cream coloured. Weakly altered and fractured. Generally quite fresh, with minor fracture controlled clay alteration
		8.3 - 16.6	Pervasive Weak Silicification	Fracture Controlled Weak Clay
		16.6 - 17.3	Pervasive Moderate Clay	
		17.3 - 18.1	Pervasive Weak Silicification	Fracture Controlled Weak Clay
18.0 - 20.6	BtS	lamn		Dark green, "rotton," moderately altered, well foliated, amphibole-biotite-chlorite schist. Alteration is moderate pervasive clay alteration.
		18.1 - 20.4	Pervasive Moderate Clay	
		20.4 - 29.5	Pervasive Weak Silicification	Fracture Controlled Moderate Clay Replaces Felsics Weak Clay
20.6 - 53.1	MxF	band		mixed gneiss with lenses of clay altered BtS_carb, moderately fractured, altered and oxidized. Oxidation is disseminated and strong in patches, alteration is predominately clay, with weak sericite. Clay is moderate with discrete areas of strong clay alteration. weak brecciation and fracturing from 42-42.5m (Weakly brecciated, limonite matrix clast supported medium grained sub-angular gneissic breccia) patchy sooty sulphides from 47m-50m
		29.5 - 32.8	Pervasive Weak Silicification	Patchy Weak Sericitisation Fracture Controlled Weak Clay
		32.8 - 33.1	Pervasive Strong Clay	
		33.1 - 35.0	Pervasive Moderate Clay	
		35.0 - 37.1	Pervasive Strong Silicification	Pervasive Moderate Clay Patchy Weak Sericitisation
		37.1 - 38.1	Pervasive Weak Clay	Patchy Weak Sericitisation
		38.1 - 41.4	Pervasive Moderate Silicification	Patchy Weak Sericitisation
		41.4 - 46.6	Replaces Felsics Weak Clay	Fracture Controlled Moderate Clay Patchy Weak Sericitisation
		46.6 - 47.7	Pervasive Moderate Silicification	Patchy Weak Sericitisation
		47.7 - 48.9	Replaces Felsics Moderate Clay	Patchy Weak Sericitisation
		48.9 - 50.3	Pervasive Moderate Silicification	
		50.3 - 51.4	Replaces Felsics Moderate Clay	Patchy Weak Sericitisation
		51.4 - 53.7	Pervasive Strong Silicification	Pervasive Moderate Clay
53.1 - 53.3	Ylim	bx		Brecciated and faulted zone, limonite rock flour matrix, angular gneissic clast medium grained irregular contact breccia.
53.3 - 60.4	MxF	band		Tan to orange felsic mixed gneiss, moderately fractured. Alteration is moderate fracture controlled and felsic-replacing clay, moderate sericite. Oxidation is moderate and disseminated.
		53.7 - 55.6	Pervasive Moderate Clay	Patchy Weak Sericitisation
		55.6 - 58.2	Pervasive Weak Silicification	Patchy Moderate Clay
		58.2 - 63.1	Replaces Felsics Moderate Clay	Fracture Controlled Strong Clay Patchy Weak Calcite
60.4 - 60.8	Ylim	bx		Limonite rock flour matrix, open space country rock breccia, irregular contact, medium grained, sub angular

60.8 - 98.0	MxM	band	Transitioning between BtS and MxM. Lenses range from 20cm to 2m, zone is approximately 70% gneiss. Gneiss is augen, moderate silicification and sericitation. Oxidation is weak throughout, strong on fracture faces. Schist is dark green, moderately altered, well foliated. Alteration is patchy, silicification and carbonate alteration with abundant white calcite and light pink quartz.		
		63.1 - 75.3	Patchy Weak Clay	Patchy Moderate Sericitisation	Pervasive Weak Chlorite
		75.3 - 87.1	Pervasive Weak Clay	Patchy Weak Calcite	Patchy Moderate Silicification
		87.1 - 88.1	Pervasive Weak Clay	Pervasive Moderate Chlorite	Patchy Moderate Silicification
		88.1 - 98.0	Patchy Moderate Silicification	Pervasive Weak Chlorite	Patchy Weak Calcite

Drill Log: CFD0425

Easting	584610.67	Hole Length	302m	Prospect	Supremo T4-5	Drill Started	Aug 24, 2014	Comment
Northing	6974325.37	Azimuth	273°	Target	Infill	Drill Completed	Aug 26, 2014	
Projection	UTM7-NAD83	Dip	-51°	Geologist	HWalsh	Core Size	NQ2	
Survey method	RTK GPS	Elevation	1244.25mASL					

Litholoav and Alteration

Interval	Lith	Texture	Deformation	Comments
0.0 - 3.0	OVb			
		0.0 - 14.1	Patchy Intense Silicification	Patchy Moderate Clay
				Patchy Weak Chlorite
3.0 - 13.8	MxF	band		Equally alternating intensely silicified gniess and clay altered biotite-chlorite schist. Gneiss is light pink, silica flooded, schist is green, moderately clay altered and pitted. 5cm quartz vein at 13.2m
13.8 - 86.5	MxF	augn		grey to pink augen gneiss, generally fresh; weak alteration, moderate oxidation. Weak to moderate silicification. Alteration is moderate sericite and weak chlorite, weak calcite. Chlorite-carb veins. Oxidation is weakly pervasive and fracture controlled hematite and limonite, increasing to moderately patchy downhole. Weakly fractured. Well developed augens. Minor lenses of BtS.
		14.1 - 33.0	Patchy Intense Silicification	Patchy Moderate Clay
				Pervasive Moderate Sericitisation
		33.0 - 55.3	Pervasive Moderate Silicification	Patchy Weak Sericitisation
				Patchy Weak Chlorite
		55.3 - 60.8	Pervasive Moderate Silicification	Patchy Weak Chlorite
				Patchy Weak Sericitisation
		60.8 - 63.9	Pervasive Weak Silicification	Pervasive Weak Clay
		63.9 - 86.5	Pervasive Moderate Silicification	Pervasive Weak Chlorite
				Patchy Weak Sericitisation
86.5 - 136.8	MxF	augn	Fol-wk	Grey to tan colour augen gniess. Increased oxidation, patchy to disseminated. Increased clay alteration, patchily felsic-replacing, patchy sericite and chlorite. Small lenses of BtS. minor veins of limonite. 5 cm limonite altered mafic dikes at 109.5m, 118.45m.
		86.5 - 87.9	Pervasive Weak Silicification	Pervasive Weak Clay
				Patchy Moderate Sericitisation
		87.9 - 103.4	Pervasive Weak Silicification	Patchy Moderate Chlorite
				Fracture Controlled Weak Clay
		103.4 - 106.5	Pervasive Moderate Clay	Pervasive Moderate Chlorite
				Vein Selvege Weak Calcite
		106.5 - 108.4	Replaces Felsics Moderate Clay	
		108.4 - 112.7	Pervasive Moderate Silicification	Pervasive Moderate Chlorite
				Pervasive Weak Clay
		112.7 - 116.7	Replaces Felsics Moderate Clay	Patchy Weak Sericitisation
		116.7 - 121.8	Pervasive Moderate Silicification	Pervasive Moderate Chlorite
				Pervasive Weak Clay
		121.8 - 132.9	Pervasive Moderate Silicification	Pervasive Moderate Clay
				Patchy Weak Sericitisation
		132.9 - 136.0	Pervasive Moderate Silicification	Replaces Felsics Moderate Clay
				Patchy Weak Sericitisation
		136.0 - 138.1	Replaces Felsics Moderate Clay	Patchy Weak Sericitisation
136.8 - 151.6	MxF	band		Zone. Orange mixed felsic gneiss, moderately altered, strong oxidation. Alteration is moderate pervaisive clay, with some minor zones intensely clay altered (primary mineral fabric unrecognisable) and unconsolidated. Moderate patchy silicification. Strong fracturing, possible fault zone with very weak brecciation. Oxidation is predominately disseminated and fracture controlled limonite.
		138.1 - 143.4	Pervasive Moderate Clay	Fracture Controlled Moderate Clay
				Pervasive Weak Silicification
		143.4 - 151.6	Pervasive Moderate Clay	Fracture Controlled Moderate Clay
				Patchy Weak Sericitisation
151.6 - 184.9	MxF	augn		Grey augen gneiss. Weak to moderate oxidation, weak alteration. Alteration is patchy clay, weak sericite. Oxidaiton is patchy and moderate. Biotite blebs and limonite alteration at 156.9m.
		151.6 - 167.3	Pervasive Moderate Silicification	Patchy Moderate Sericitisation
				Patchy Weak Clay
		167.3 - 185.9	Pervasive Moderate Silicification	Patchy Weak Sericitisation
				Pervasive Weak Chlorite

184.9 - 239.9	MxF	band	Fol-wk	Zone. Brown mixed felsic gneiss. Moderate oxidation, moderate to weak alteration - silica, sericite, clay. Oxidation is primarily fracture controlled limonite. Primary foliation visible, massive texture from 236.25m.		
		185.9 - 189.8	Pervasive Moderate Clay	Fracture Controlled Moderate Clay	Pervasive Moderate Silicification	
		189.8 - 200.4	Pervasive Weak Clay	Pervasive Weak Silicification	Patchy Weak Sericitisation	
		200.4 - 213.1	Pervasive Strong Clay	Patchy Weak Silicification	Patchy Weak Sericitisation	
		213.1 - 239.8	Patchy Weak Clay	Pervasive Moderate Silicification	Patchy Weak Sericitisation	
		239.8 - 272.7	Fracture Controlled Weak Clay	Pervasive Moderate Silicification	Patchy Weak Sericitisation	
239.9 - 284.8	MxF	augn	Fol-mod	Foliated augen gneiss. Silica-sericite alteration. Weak fracture controlled limonite. Feldspar locally clay altered. Rare traslucent whitequartz veins. Bands of biotite schist.		
		272.7 - 287.4	Patchy Weak Clay	Pervasive Moderate Silicification	Patchy Weak Sericitisation	
284.8 - 287.6	DIOR	mass		Grey to brown locally weakly oxidised diorite dyke.		
		287.4 - 288.8	Pervasive Moderate Clay	Patchy Weak Sericitisation	Pervasive Weak Silicification	
287.6 - 302.0	MxF	band	Fol-mod	Augen gneiss with bands of biotite schist. Locally weakly oxidised. Silica-sericite alteration and patchy clay. Minor carbonate alteration to fractures and mafic bands.		
		288.8 - 302.0	Pervasive Moderate Silicification	Patchy Moderate Sericitisation	Patchy Weak Chlorite	

Drill Log: CFD0426

Easting	584691.81	Hole Length	110m	Prospect	Supremo T5	Drill Started	Aug 24, 2014	Comment
Northing	6973783.81	Azimuth	275°	Target	Infill	Drill Completed	Aug 25, 2014	
Projection	UTM7-NAD83	Dip	-50°	Geologist	MEckfeldt	Core Size	NQ2	
Survey method	RTK GPS	Elevation	1178.49mASL					

Lithology and Alteration

Interval	Lith	Texture	Deformation	Comments
0.0 - 4.0	OVb			Boulders of oxidized and weakly clay altered gneiss.
4.0 - 19.0	MxM	band	Fol-str	Grey-green well foliated chlorite rich gneiss, biotite gneiss and minor felsic augen gneiss. Moderate silicification and sericitization, could be primary. Moderate chlorite. Weak oxidation on fractures. No visible sulfides.
		4.0 - 19.0	Pervasive	Moderate Silicification Pervasive Weak Sericitisation Replaces Mafics Weak Chlorite
19.0 - 31.2	SZ	band	Fol-str	Weak Zone: Orange pale green intensely clay altered biotite schist and minor felsic gneiss. Textures often obscured but does not appear to be breccia. Appears to be several small discrete shears? With wide clay halo. Short intervals of non-clay altered rocks. Moderate to strong sericitization, moderate patchy chlorite alteration. Moderate oxidation of fractures and clay zones.
		19.0 - 31.2	Pervasive	Intense Clay Pervasive Moderate Sericitisation Patchy Weak Chlorite
31.2 - 35.4	MxM	band	Fol-str	Green with hematite maroon biotite schist and felsic rich gneiss. Weak pervasive clay overprint, moderate sericitization, patchy chlorite. Limonite on fractures and disseminated hematite.
		31.2 - 35.4	Pervasive	Moderate Clay Pervasive Moderate Sericitisation Patchy Moderate Chlorite
35.4 - 43.0	Yx	bx	Fol-mod	Moderate Zone: Strong clay altered crackle breccia of originally mixed mafic gneiss. Strong to moderate clay overprint, moderate sericitization. Moderate to strong crackle controlled limonite and hematite.
		35.4 - 43.0	Pervasive	Strong Clay Pervasive Moderate Sericitisation
43.0 - 52.0	BtS	band	Fol-str	Green strongly foliated biotite schist. Moderate chlorite overprint, weak patchy clay overprint, moderate pervasive carbonate. Weak limonite fractures and disseminated hematite.
		43.0 - 52.0	Pervasive	Moderate Clay Pervasive Weak Sericitisation Pervasive Moderate Chlorite
52.0 - 65.3	MxM	band	Fol-str	Moderate Zone: Buff orange well foliated mixed gneiss. Moderate silicification, weak sericitization. Weak to moderate clay after felsics. Moderate oxidation of groundmass and fracture faces.
		52.0 - 65.3	Replaces	Felsics Moderate Clay Patchy Moderate Silicification Weak Sericitisation
65.3 - 84.1	Yx	band	Fol-str	Moderate Zone: Orange to reddish mixed gneiss to clay altered and obscured. Common intense crackle, common intense
		65.3 - 84.1	Pervasive	Intense Clay Patchy Moderate Sericitisation Patchy Weak Chlorite
84.1 - 89.0	MxM	band	Fol-str	Dark grey-green strongly well foliated mixed mafic gneiss with minor talc schist? Weak patchy chlorite, mostly fresh looking biotite. Moderate silicification, could be primary. Minor limonite on fractures. Almost looks hornfelsed at bottom.
		84.1 - 89.0	Pervasive	Moderate Silicification Patchy Weak Chlorite
89.0 - 90.6	RU	lamn		Green soft soapy talc schist? Chaotic and 'squiggly' foliation.
		89.0 - 90.6	Pervasive	Moderate Talc
90.6 - 110.0	BtS	band	Fol-str	Grey green felsic rich biotite schist and rare felsic poor biotite schist. Strong foliation. Moderate sericitization and weak silicification, both could be primary. Weak chlorite, mostly biotite. Local foliation parallel qtz veins. Very weak fracture controlled oxidation.
		90.6 - 110.0	Pervasive	Weak Sericitisation Patchy Weak Silicification Pervasive Weak Chlorite

Drill Log: CFD0427

Easting	584535.46	Hole Length	230m	Prospect	Supremo T4-5	Drill Started	Aug 26, 2014	Comment
Northing	6974600.8	Azimuth	270°	Target	Infill	Drill Completed	Aug 28, 2014	
Projection	UTM7-NAD83	Dip	-50°	Geologist	MEckfeldt	Core Size	NQ2	
Survey method	RTK GPS	Elevation	1230.45mASL					

Lithology and Alteration

Interval	Lith	Texture	Deformation	Comments
0.0 - 3.6	OVB			Boulders of felsic gneiss
3.6 - 28.0	FG	augn	Fol-str	Patchy orange with grey-pink well foliated chlorite rich augen gneiss. Weak chlorite after biotite, rare weak silicification. Local foliation parallel qtz veins. Patchy weak to foliation and fracture controlled oxidation, minor hematite dusting throughout. Trace disseminated pyrite.
		3.6 - 28.0	Replaces Mafics Moderate Chlorite	Patchy Weak Silicification
28.0 - 60.1	FG	augn	Fol-str	grey pink chlorite rich augen gneiss as above. Fresh looking. Decreased patchy oxidation. Minor disseminated hematite as above. Slightly increased foliation parallel qtz veining.
		28.0 - 60.1	Replaces Mafics Moderate Chlorite	Patchy Weak Silicification
60.1 - 68.8	FG	augn	Fol-str	Weak zone: pale orange well foliated gneiss. Weak to moderate clay after felsics, common foliation parallel qtz veining and stringers. Moderate limonite oxidation and patchy moderate interstitial hematite. Common rusty disseminated pyrite.
		60.1 - 68.8	Pervasive Moderate Clay	Patchy Weak Silicification
68.8 - 98.9	FG	augn	Fol-str	Pink grey augen and chlorite rich gneiss. Relatively fresh rock. Moderate to strong disseminated hematite in groundmass giving pink colour. Local limonite on fractures. Minor disseminated rusty pyrite.
		68.8 - 98.9	Replaces Mafics Weak Chlorite	
98.9 - 107.7	MxF	augn	Fol-str	Very weak zone: Pale orange augen gneiss with very minor 10 cm intervals of biotite schist. Weak clay after felsics, weak sericite. Moderate limonite+hematite in groundmass and fractures.
		98.9 - 107.7	Pervasive Weak Clay	Pervasive Weak Sericitisation
107.7 - 113.5	FG	augn	Fol-str	Pink grey augen gneiss, moderate chlorite. Fresh looking rock. Moderate disseminated hematite. Rare foliation parallel qtz veins.
		107.7 - 113.5	Replaces Mafics Weak Chlorite	
113.5 - 115.3	Yx	band	Fol-mod	Weak Zone: Pale orange weak crackle breccia of MxF? Weak pervasive clay alteration, moderate limonite and hematite in groundmass and fractures.
		113.5 - 115.3	Pervasive Moderate Clay	Pervasive Weak Sericitisation
115.3 - 134.8	FG	augn	Fol-str	Pink grey augen gneiss as above. Weak patchy clay and after felsics with weak patchy sericite. Common foliation parallel qtz veining.
		115.3 - 134.8	Replaces Mafics Weak Chlorite	Patchy Weak Clay Patchy Weak Sericitisation
134.8 - 138.2	FG	augn	Fol-str	Weak Zone: Orange well moderate to strongly oxidized augen gneiss. Moderate patchy clay alteration and sericite. Moderate limonite+hematite in groundmass, textures still visible.
		134.8 - 138.2	Patchy Moderate Clay	Patchy Moderate Sericitisation
138.2 - 159.5	MxF	band	Fol-mod	Patchy brick red and bleached orange augen gneiss with minor biotite schist. Patchy strong hematite alteration alternating with weak clay and limonite alteration. Weak chlorite after mafics, patchy sericite. Local short intervals of fresher looking rock.
		138.2 - 159.5	Patchy Moderate Clay	Patchy Weak Sericitisation Replaces Mafics Weak Chlorite
159.5 - 161.6	Yx	band	Fol-str	Weak Zone: Orange highly broken gneiss and crackle breccia. Moderate clay alteration and strong hematite in groundmass.
		159.5 - 161.6	Pervasive Moderate Clay	Pervasive Moderate Sericitisation
161.6 - 169.0	MxF	band	Fol-str	Patchy brick red and bleached orange augen gneiss with minor biotite schist as above. Patchy strong hematite alteration alternating with weak clay and limonite alteration. Weak chlorite after mafics, patchy sericite. Local short intervals of fresher looking rock.
		161.6 - 169.0	Patchy Moderate Clay	Patchy Weak Sericitisation Replaces Mafics Weak Chlorite

169.0 - 176.7	MxF	band	Fol-str	Strong Zone: Patchy grey orange augen gneiss and biotite schist. Brick red hematite patches and alteration as above. Local intervals of foliation parallel sooty sulfides.
		169.0 - 176.7	Patchy Weak Clay	Patchy Moderate Sericitisation
176.7 - 187.3	MxF	band	Fol-str	Patchy brick red and bleached orange augen gneiss with minor biotite schist as above. Patchy strong hematite alteration alternating with weak clay and limonite alteration. Weak chlorite after mafics, patchy sericite. Local short intervals of fresher looking rock.
		176.7 - 187.3	Patchy Moderate Clay	Patchy Weak Sericitisation Patchy Moderate Chlorite
187.3 - 188.9	Yx	bx	Fol-str	Weak Zone: Orange monomictic breccia. Angular qtz clasts rotated in limonite cemented matrix supported breccia. Moderate to strong clay alteration and strong oxidation.
		187.3 - 188.9	Pervasive Strong Clay	
188.9 - 211.7	MxF	band	Fol-str	Pale bleached orange mixed augen gneiss and minor biotite schist. Weak pervasive clay, moderate sericitic alteration and patchy weak silicification. Local foliation parallel qtz veining. Moderate pervasive oxidation. No visible sulfides.
		188.9 - 211.7	Pervasive Moderate Clay	Pervasive Moderate Sericitisation
211.7 - 230.0	MxF	band	Fol-str	Pink grey fresh looking gneiss and minor biotite schist. Gneiss past 220 m is medium equigranular with little to no augen. Weak hematite dusting throughout. Patchy zones of clay after felsics. Weak patchy sericite, could be primary. Weak chlorite after mafics. No visible sulfides.
		211.7 - 230.0	Patchy Weak Clay	Patchy Weak Sericitisation Replaces Mafics Weak Chlorite

Drill Log: CFD0428

Easting	583993.73	Hole Length	197m	Prospect	Supremo T3	Drill Started	Aug 25, 2014	Comment	Well_ID: MW14-02A. Vertical hole, no survey.
Northing	6973507.99	Azimuth	0°	Target	BH-9.2	Drill Completed	Aug 28, 2014		
Projection	UTM7-NAD83	Dip	-90°	Geologist	CDavis	Core Size	HQ		
Survey method	RTK GPS	Elevation	1029.54mASL						

Litholoav and Alteration

Interval	Lith	Texture	Deformation	Comments
0.0 - 5.5	OVb			mix of gritty brown sand and biotite schist
5.5 - 46.0	BtS	lamn		biotite schist with felsic lams & thin boudin bands +/- augens fine-coarse well foliated, mod frac, weak frac clay, 10% perv-frac oxide (surface weathering?), 0.5 frac lim
		5.5 - 17.3	Fracture Controlled Weak Clay	Replaces Mafics Weak Chlorite
		17.3 - 43.6	Pervasive Weak Chlorite	
		43.6 - 46.0	Fracture Controlled Weak Clay	Replaces Mafics Weak Chlorite
46.0 - 47.3	FG	mass		massive pink hard felsic gneiss
		46.0 - 47.3	Pervasive Moderate Silicification	
47.3 - 93.6	MxM	band		biotite schist with felsic lams & thin boudin bands +/- augens fine-coarse well foliated, occ more felsic-rich bands, mod frac, weak frac clay, 10% perv-frac oxide (surface weathering?), 0.5 frac lim
		47.3 - 56.0	Fracture Controlled Weak Clay	Replaces Mafics Weak Chlorite
		56.0 - 71.0	Pervasive Moderate Silicification	
		71.0 - 73.5	Fracture Controlled Weak Clay	
		73.5 - 100.5	Fracture Controlled Weak Clay	Replaces Mafics Moderate Chlorite Patchy Weak Silicification
93.6 - 100.5	BtS	lamn		biotite schist with var felsic lams & thin boudin bands +/- augens fine-coarse well foliated, increase blockiness
100.5 - 102.9	IV	fgrn		mafic dykes intruding biotite schist irregular zig zag contacts +/- 35CA along OCA, var patchy sil, weak frac clay, dark orange frac staining
		100.5 - 126.0	Pervasive Weak Chlorite	Patchy Moderate Silicification Fracture Controlled Weak Calcite
102.9 - 137.7	MxM	lamn		biotite schist with felsic lams & thin boudin bands +/- augens fine-coarse well foliated, occ more felsic-rich bands, 116.50-116.90m pink felsic gneiss, weak frac, weak frac clay, 5% perv-frac oxide (surface weathering?), 0.5 frac lim
		126.0 - 134.2	Pervasive Weak Chlorite	Pervasive Moderate Silicification Patchy Moderate Sericitisation ser green bands blebs/bands (diopside)
		134.2 - 153.2	Pervasive Moderate Sericitisation	Replaces Felsics Weak K-feldspar
137.7 - 179.3	OG	cgrn		gabbro, coarse, qtz feldspars (plag var alt to k-spar) amph +/- pyx, massive with zones of var intensity fol, var diss fine-med euhedral fresh py & hem after py, var partchy ser, var orange oxide bands
		153.2 - 165.0	Replaces Mafics Moderate Chlorite	Pervasive Weak Sericitisation Replaces Felsics Weak K-feldspar
		165.0 - 167.5	Pervasive Moderate Sericitisation	Fracture Controlled Weak Clay Replaces Felsics Weak Calcite
		167.5 - 177.5	Replaces Mafics Moderate Chlorite	Replaces Felsics Moderate K-feldspar Replaces Felsics Weak Calcite 173.65-174.10m mod-strong clay alt perv friable
		177.5 - 179.1	Pervasive Moderate Sericitisation	Fracture Controlled Weak Calcite
		179.1 - 197.0	Patchy Strong Silicification	Fracture Controlled Moderate Fracture Controlled Weak Clay Calcite
179.3 - 184.0	HU	bxi		breccia zone overlaps gabbro-biotite schist contact around 180.3m, breccia intensity increase from top contact, closed fracturing with cal+ oxide infill, var sil zones weak-strong
184.0 - 187.5	HU	bxm		increased BtS brecciation with stronger perv oxide
187.5 - 188.9	Ycarb	bxv		BtS clasts in orange & white carb matrix (dolomite, ankerite)angular clasts rotated

188.9 - 189.9	HU	bxm	BtS crackle breccia, criss cross thin-med frac
189.9 - 197.0	HU	bxi	less intensely yet strong fracturing with carb infill

Drill Log: CFD0429

Easting	584610.77	Hole Length	233m	Prospect	Supremo T4-5	Drill Started	Aug 26, 2014	Comment	Redrill of CFD0425
Northing	6974323.1	Azimuth	273°	Target	Infill	Drill Completed	Aug 29, 2014		
Projection	UTM7-NAD83	Dip	-50°	Geologist	KGrodzicki	Core Size	NQ2		
Survey method	RTK GPS	Elevation	1244.36mASL						

Lithology and Alteration

Interval	Lith	Texture	Deformation	Comments
0.0 - 2.5	OVB			Overburden - Rubbly cobbles, unoxidized.
2.5 - 24.1	MxF	band		Felsic gneiss dominates biotite schist (85-15), felsic gneiss dark pink-grey & foliated hard +/- augen, biotite schist green-black foliated parallel gneiss weakly friable (surface weathering?), weak fracturing, weak-no oxide, 0.1 frac lim
		2.5 - 24.1	Pervasive Moderate Silicification	Replaces Mafics Weak Clay Replaces Felsics Weak Sericitisation
24.1 - 89.9	MxF	band		Felsic gneiss dark dominates biotite schist (85-15), felsic gneiss dark pink-grey & foliated hard +/- augen, biotite schist green-black foliated parallel gneiss weak-no friable (surface weathering?), weak fracturing, weak-no oxide, 0.1-0.25 frac lim
		24.1 - 89.9	Pervasive Moderate Silicification	Replaces Felsics Weak Clay Fracture Controlled Weak Calcite
89.9 - 97.0	MxF	band		Felsic gneiss dark dominates biotite schist (85-15), felsic gneiss dark pink-grey & foliated hard +/- augen, biotite schist green-black foliated parallel gneiss (no friable), weak fracturing, start of oxide zone, weak oxide, 0.25 frac lim, 0.1 frac hem
		89.9 - 97.0	Pervasive Moderate Silicification	Fracture Controlled Weak Clay
97.0 - 103.1	Yx	bxi	Fol-wk	Faulted Felsic gneiss dark dominates biotite schist (85-15), felsic gneiss dark pink-grey & foliated hard +/- augen, biotite schist green-black foliated parallel gneiss weak-no friable (surface weathering?), brittle & ductile def textures parallel foliation, 2-3 mafic dykelets 20-50cm dark grey-black massive-weak foliation sharp offset contacts oblique bounding foliation, weak fracturing, 20% oxide (not in mafic dykes), mod calcite stringers, clay alt after felsics & limonite stained, 1 frac-perv lim, 0.25 frac hem
		97.0 - 103.1	Replaces Felsics Moderate Clay	Fracture Controlled Moderate Calcite
103.1 - 112.5	MxF	band		Felsic gneiss dominates biotite schist (85-15), felsic gneiss dark pink-grey & foliated hard +/- augen, biotite schist green-black foliated parallel gneiss (no friable), weak fracturing, weak oxide, weak calcite stringers-frac fill, 0.25 frac lim, 0.1 frac hem
		103.1 - 112.5	Replaces Felsics Weak Clay	Fracture Controlled Weak Calcite
112.5 - 116.8	MxF	band		Fractured Felsic gneiss dominates biotite schist (85-15), felsic gneiss dark pink-grey & foliated hard +/- augen, biotite schist green-black foliated parallel gneiss (no friable), weak-mod closed fracturing with mod clay alt infill, weak-mod oxide 15%, 0.5 frac lim, 0.1 frac hem
		112.5 - 116.8	Pervasive Weak Silicification	Fracture Controlled Moderate Clay Fracture Controlled Weak Calcite
116.8 - 126.8	AmBTs	lamn		Felsic gneiss +/- augen with tighter ser-mica foliation, interstitial pink (hem) and spotty-speckled light green clay-ser, 0.5 frac lim, 0.25 frac hem, 0.5 interstitial hem
		116.8 - 126.8	Replaces Mafics Weak Sericitisation	Fracture Controlled Weak Clay
126.8 - 128.5	FG	lamn		as above with increase closed clay infill fracturing, increase clay after felsics
		126.8 - 128.5	Fracture Controlled Moderate Clay	Replaces Mafics Weak Sericitisation
128.5 - 130.9	Ylim	bxi		Brecciated felsic gneiss +/- biotite schist, clay altered limonite stained frac infill ser alt clasts, possible mafic dyke component, 30% oxide, 2 frac lim, 0.5 frac hem
		128.5 - 130.9	Fracture Controlled Strong Clay	Pervasive Weak Silicification
130.9 - 141.2	MxF	band	Fol-mod	Felsic gneiss with dark mafic bands. Laminated. Weakly oxidised / limonite alteration. Fracture controlled limonite and hematite alteration. Patchy clay alteration, fspars altered to clay.
		130.9 - 141.2	Fracture Controlled Weak Clay	Pervasive Weak Silicification Replaces Mafics Weak Sericitisation

141.2 - 145.6	MxF	band	Fol-wk	Broken rubbly ground. Possible fracture zone.	
141.2 - 145.6			Fracture Controlled Strong Clay	Replaces Mafics Weak Sericitisation	
145.6 - 150.8	MxF	band	Fol-mod	Felsic gneiss with dark mafic bands. Laminated. Weakly oxidised / limonite alteration. Fracture controlled limonite and hematite alteration. Patchy clay alteration, fspars altered to clay.	
145.6 - 150.8			Fracture Controlled Weak Clay	Replaces Mafics Weak Sericitisation	
150.8 - 158.6	MxM	band	Fol-wk	Grey gneiss with with patchy augen locally. Patchy weak fracture controlled limonite alteration. Weak silica-sericite alteration. Biotite rich layers, locally altered to sericite.	
150.8 - 183.5			Pervasive Moderate Silicification	Replaces Mafics Moderate Sericitisation	
158.6 - 161.6	MxF	band	Fol-wk	Weakly oxidized with fracture controlled limonite. Felsic bands visible. Patchy sericite alteration.	
161.6 - 183.5	MxF	band	Fol-wk	Patchy weak fracture controlled limonite alteration. Patchy sericite alteration to biotite mafic rich bands. Disseminated pyrite locally and bedding parallel quartz veins.	
183.5 - 197.2	MxF	band	Fol-wk	Weakly to strongly oxidised and fracture controlled limonite. Rare patches of unoxidized fresh gneiss. Foliation present. Sericite alteration of biotite rich mafic bands. Silica alteration to unoxidized bands. Patchy, fracture controlled hematite alteration. Local alteration of fspars to clay.	
183.5 - 197.2			Pervasive Moderate Clay	Replaces Mafics Moderate Sericitisation	
197.2 - 199.3	HU	mass		Strongly oxidised with pervasive clay and limonite alteration.	
197.2 - 199.3			Pervasive Strong Clay		
199.3 - 206.6	MxF	band	Fol-wk	Moderately to strongly oxidised. Fracture controlled limonite and clay. Feldspars altered to clay and biotite rich layers with sericite alteration.	
199.3 - 206.6			Pervasive Moderate Clay	Replaces Mafics Moderate Sericitisation	
206.6 - 211.4	HU	mass		Strongly oxidized with pervasive clay and limonite alteration.	
206.6 - 211.1			Pervasive Strong Clay		
211.1 - 233.0			Pervasive Weak Clay	Replaces Mafics Moderate Sericitisation	Patchy Weak Silicification
211.4 - 233.0	MxF	band	Fol-wk	Moderately oxidizedm fracture controlled limonite and clay. Feldspars altered to clay and biotite rich layers altered to sericite. Patchy silica alteration in unoxidized zones.	

Drill Log: CFD0430

Easting	583995.31	Hole Length	110m	Prospect	Supremo T1-2	Drill Started	Aug 28, 2014	Comment	No samples
Northing	6975002.66	Azimuth	0°	Target	2/2 BH5	Drill Completed	Aug 31, 2014		
Projection	UTM7-NAD83	Dip	-90°	Geologist	CDavis	Core Size	HQ		
Survey method	RTK GPS	Elevation	1177.01mASL						

Lithology and Alteration

Interval	Lith	Texture	Deformation	Comments
0.0 - 11.9	OVb			
11.9 - 13.9	FG	augn		felsic gneiss lam-fol +/-augens, weak clay after felsics, frac oxide weak-mod, 0.1 lim frac, pink-red interstitial hem
		11.9 - 13.9	Replaces Felsics Moderate Clay	
13.9 - 15.2	IV	cgrn		dacitic dyke, black matrix in coarse plag phenos squarish
		13.9 - 15.2	Replaces Mafics Moderate Chlorite	
15.2 - 23.3	FG	augn		elsic gneiss lam-fol +/-augens, weak clay after felsics, frac oxide weak-mod, 0.1 lim frac, pink-red interstitial hem
		15.2 - 23.3	Replaces Felsics Moderate Clay	Patchy Moderate Silicification
23.3 - 24.2	BtS	lamn		biotite gneiss, mod-strong chl alt, 0.5 interstitial lim
		23.3 - 24.2	Replaces Mafics Strong Chlorite	
24.2 - 55.0	MxF	band		fine & coarse lam & bands, felsic gneiss or altered mafics?, zones of high XRF As associated stronger oxide
		24.2 - 32.9	Replaces Felsics Moderate Clay	Replaces Mafics Weak Chlorite
		32.9 - 34.5	Pervasive Moderate Clay	
		34.5 - 55.0	Replaces Felsics Moderate Clay	Replaces Mafics Weak Chlorite Patchy Moderate Silicification
55.0 - 57.7	MxF	lamn		as above, less oxide, weak augens
		55.0 - 63.8	Replaces Felsics Moderate Clay	Patchy Moderate Silicification Patchy Weak Sericitisation
57.7 - 63.4	MxF	lamn		felsic gneiss with mafic seams, clay alt & var oxide, 2x white quartz veins at 57.58cm 80CA <8cm & 60.45m 10CA <3cm
63.4 - 69.4	MxF	lamn		as above, grey with pink, pink due to interstitial red hem
		63.8 - 69.4	Pervasive Moderate Silicification	Pervasive Moderate Sericitisation mod red hem interstitial lams
69.4 - 71.3	MxF	lamn		as above, coarser, increase oxide, weak-mod ser (yellow waxy)
		69.4 - 71.4	Replaces Felsics Moderate Clay	Replaces Mafics Moderate Sericitisation ser = yellowy
71.3 - 75.2	MxF	lamn		finer, weak-no augens, 2x green BtS = stronger chl alt
		71.4 - 76.0	Pervasive Moderate Silicification	Pervasive Moderate Sericitisation Patchy Weak Clay
75.2 - 82.2	MxF	lamn		coarser, weak augens, grey
		76.0 - 82.0	Pervasive Moderate Silicification	Replaces Mafics Weak Sericitisation mod red hem interstitial network
		82.0 - 84.0	Replaces Felsics Moderate Clay	Replaces Mafics Moderate Sericitisation mod red hem interstitial network
82.2 - 84.0	MxF	lamn		coarser, weak augens, light grey with dark pink, pink due to interstitial red hem
84.0 - 86.0	BtS	lamn		rubbly-block strong chl alt biotite schist
		84.0 - 86.0	Pervasive Strong Chlorite	
86.0 - 88.5	MxF	lamn		felsic gneiss with mafic seams, grey with pink, pink due to interstitial red hem
		86.0 - 88.5	Pervasive Moderate Silicification	Pervasive Weak Sericitisation weak red hem interstitial

88.5 - 91.0	MxF	lamn				
		88.5 - 91.0	replaces felsics Moderate Clay	Replaces Mafics Moderate Sericitisation	Pervasive Weak Silicification	
91.0 - 95.5	MxF	lamn	as above, mix of grey & pink, pink from interstitial reddish hem, var augen, var elongate vugs subparallel foliation			
		91.0 - 95.5	Replaces Felsics Weak Clay	Replaces Mafics Weak Sericitisation		mod-strong red hem interstitial
95.5 - 100.5	MxF	lamn				
		95.5 - 98.8	Replaces Felsics Moderate Clay			bright pink interval from interstitial-perv red hem
		98.8 - 102.0	Patchy Moderate Silicification	Patchy Moderate Sericitisation	Patchy Moderate Clay	
100.5 - 103.0	MxF	lamn				
		102.0 - 103.0	Pervasive Moderate Chlorite			
103.0 - 103.8	MxF	lamn				
		103.0 - 104.0	Pervasive Strong Clay			
103.8 - 107.8	MxF	lamn				
		104.0 - 107.7	Replaces Felsics Moderate Clay	Replaces Mafics Weak Sericitisation		
		107.7 - 108.7	Pervasive Strong Clay			
107.8 - 108.8	MxF	bx	sand			
		108.7 - 110.0	Patchy Moderate Clay	Replaces Mafics Moderate Sericitisation		
108.8 - 110.0	MxF	lamn	sand & rubble			

Drill Log: CFD0431

Easting	584562.45	Hole Length	269m	Prospect	Supremo T4-5	Drill Started	Aug 29, 2014	Comment
Northing	6974599.4	Azimuth	270°	Target	Supremo Infill	Drill Completed	Aug 31, 2014	
Projection	UTM7-NAD83	Dip	-50°	Geologist	MEckfeldt	Core Size	NQ2	
Survey method	RTK GPS	Elevation	1224.2mASL					

Lithology and Alteration

Interval	Lith	Texture	Deformation	Comments
0.0 - 3.5	OVb			Grey felsic gneiss boulders
3.5 - 37.6	FG	band	Fol-str	Grey with weak orange felsic gneiss with faint augen. Weak hematite dusting and minor chlorite after mafics. Minor limonitic stain to groundmass.
		3.5 - 37.6		Replaces Mafics Weak Chlorite
37.6 - 92.0	FG	band	Fol-str	Grey and minor pink well foliated gneiss with faint augen and rare short intervals of biotite schist. Minor chlorite after mafics, weak hematite dusting, local weak patchy clay around fractures.
		37.6 - 92.0		Replaces Mafics Weak Chlorite Patchy Weak Clay
92.0 - 117.3	MxF	band	Fol-str	Grey augen gneiss with almost equal banding of chlorite altered biotite schist. Relatively fresh rock, weak chlorite after mafics, patchy weak carbonate in schist. Limonite on fracture faces.
		92.0 - 117.3		Replaces Mafics Weak Chlorite Patchy Weak Calcite
117.3 - 123.7	MxF	band	Fol-str	Weak Zone: Bleached orange augen gneiss with minor biotite schist. Moderate clay after felsics, moderate sericite. Moderate pervasive limonite and foliation controlled hematite.
		117.3 - 123.7		Pervasive Moderate Clay Replaces Mafics Weak Chlorite
123.7 - 154.4	MxF	band	Fol-str	Fresh grey-pink augen gneiss with minor biotite schist as above oxidation zone. Moderate hematite dusting in gneiss. Minor limonite on fractures.
		123.7 - 154.4		Replaces Mafics Weak Chlorite
154.4 - 176.0	MxF	band	Fol-mod	Moderate Zone: Pale orange moderately oxidized augen gneiss with minor biotite schist. Weak to moderate patchy clay alteration, weak sericite. Pervasive limonite and patchy hematite. Core very broken.
		154.4 - 176.0		Patchy Moderate Clay Patchy Weak Sericitisation
176.0 - 182.3	Yx	bx		Zone: highly broken crackle breccia. Limonite fills crackle, minor hematite in groundmass, moderate to strong clay alteration. Broken qtz veins.
		176.0 - 182.3		Patchy Moderate Clay Patchy Weak Sericitisation
182.3 - 218.0	MxF	band	Fol-str	Fresh grey-pink augen gneiss with minor biotite schist as above. Moderate hematite dusting throughout. Local intervals of fine grained gneiss with no augen.
		182.3 - 218.0		Replaces Mafics Weak Chlorite
218.0 - 222.1	FC	mass		Pale grey-green fine grained volcanic. Fine <1mm sericitic? Spots. Minor hematite halos to fractures.
		218.0 - 222.1		Pervasive Weak Sericitisation
222.1 - 224.5	Ylim	bxm		Strong Zone: Orange and yellow crackle and limonite cemented polymictic breccia, locally matrix supported. Moderate patchy clay alteration, moderate limonite and hematite.
		222.1 - 224.5		Patchy Strong Clay Patchy Moderate Sericitisation
224.5 - 242.5	MxF	band	Fol-str	Light grey bleached gneiss and minor biotite schist. Two 40 cm aphanitic dykes at 237 to 238 m. Moderate silicification and patchy chlorite after mafics. Patchy moderate disseminated hematite. Weak fracture controlled limonite. Minor disseminated pyrite
		224.5 - 242.5		Pervasive Moderate Silicification Pervasive Weak Sericitisation
242.5 - 264.3	MxF	band	Fol-str	Weak Zone: Light grey and patchy orange felsic gneiss and rare biotite schist. Moderate silicification and weak sericitization? Patchy hematite and limonite. Rare patchy sooty sulfides.
		242.5 - 264.3		Pervasive Moderate Silicification Weak Sericitisation
264.3 - 269.0	MxF	band	Fol-str	Light grey-pink felsic gneiss with faint augen. Moderate pervasive silicification and sericitization? Limonite on fractures, disseminated hematite throughout.
		264.3 - 269.0		Pervasive Moderate Silicification Weak Sericitisation

Drill Log: CFD0432

Easting	582401.16	Hole Length	200m	Prospect	Latte	Drill Started	Aug 29, 2014	Comment	Well_ID: MW14-03A. Extending to 200m from 155m after failed install.
Northing	6973191.08	Azimuth	0°	Target	1/2 BH3	Drill Completed	Aug 31, 2014		
Projection	UTM7-NAD83	Dip	-90°	Geologist	MEckfeldt	Core Size	HQ		
Survey method	RTK GPS	Elevation	1097.59mASL						

Litholoav and Alteration

Interval	Lith	Texture	Deformation	Comments
0.0 - 6.8	OVB			Small boulders of biotite schist, marble and sand.
6.8 - 34.4	PB	band	Fol-wk	Massive to weakly foliated carbonate unit with minor intervals of biotite schist. Common orange irregular ankeritic? veins cross cutting and ankeritic margins to carbonate veins. Moderate pervasive carbonate in biotite schist and local weakclay alteration in schist.
		6.8 - 34.4	Vein Selvege Weak Calcite	Replaces Mafics Moderate Chlorite Patchy Weak Clay
34.4 - 35.8	Yx	bx		Orange polymictic clast supported breccia. Carbonate and qtz fragments. Clast supported local fragments of biotite schist. Moderate clay alteraion and weak chlorite. Moderate to strong oxidation.
		34.4 - 35.8	Fracture Controlled Moderate Clay	Replaces Mafics Weak Chlorite
35.8 - 58.6	PB	band	Fol-wk	Massive to weakly foliated carbonate unit as above. Several 4-5 cm wide orange oidized carbonate veins.
		35.8 - 58.6	Vein Selvege Weak Calcite	Fracture Controlled Weak Clay
58.6 - 73.0	Ycarb	bxm	Fol-wk	Orange polymictic cement and clast supported breccia. Intervals of crackle and cement supported. Carbonate or ankeritic cement with clasts of carbonate and fuschitic ultramafic. Moderate patchy clay alteration. Trace intensely oxidized pyrite.
		58.6 - 73.0	Patchy Moderate Clay	Vein Selvege Moderate Calcite Patchy Weak Fuchsite
73.0 - 80.9	PB	band	Fol-wk	Massive to weakly foliated carbonate unit as above. Minor sulfide stringers, and associated disseminated pyrite.
		73.0 - 80.9	Vein Selvege Weak Calcite	
80.9 - 87.6	Yx	bx	Fol-mod	Orange crackled breccia of marble, minor biotite schist, and minor dacitic dyke. Moderate to strong pervasive oxidation. Weak patchy clay alteration in fractures.
		80.9 - 87.6	Fracture Controlled Weak Clay	Vein Selvege Weak Calcite
87.6 - 99.8	FC	mass	Fol-wk	Patchy blackish green to light orangy grey massive to weakly foliated dyke. Could be multiple dykes. Patchy silicification giving bleached and weakly oxidized patches. Trace disseminated pyrite in silicified zones. Common fractures with weakly oxidized halos.
		87.6 - 99.8	Patchy Moderate Silicification	Pervasive Weak Chlorite Vein Selvege Weak Calcite
99.8 - 110.3	BtS	band	Fol-str	Dark green well foliated biotite schist with minor intervals of marble and rare slivers of fuchsite altered ultramafic. Local foliation parallel qtz veins with 1 cm biotite/chlorite. Local late carbonate-ankerite? Stringers and veins. Patchy oxidation as carbonate veins halos and fractures.
		99.8 - 110.3	Pervasive Moderate Chlorite	Vein Selvege Moderate Calcite
110.3 - 114.1	PB	band	Fol-mod	White marble unit with light grey banding and minor intervals of biotite schist. Moderate patcy chlorite in the schist. Limonite on fractures.
		110.3 - 114.1	Replaces Mafics Moderate Chlorite	
114.1 - 143.0	BtS	band	Fol-str	Dark green well foliated biotite schist with minor marble intervals as above. No visible ultramafics. Moderate pervasive chlorite, common carbonate stringers. Limonite along fractures and minor oxidation as halos to carbonate stringers.
		114.1 - 143.0	Pervasive Moderate Chlorite	Vein Selvege Weak Calcite
143.0 - 145.1	Yx	bx	Fol-str	Dark green weak crackle breccia in biotite schist and minor marble. Moderate chlorite, moderate fracture controlled clay, weak carbonte stringers.
		143.0 - 145.1	Pervasive Moderate Chlorite	Fracture Controlled Moderate Clay Vein Selvege Weak Calcite
145.1 - 188.3	BtS	band	Fol-str	Dark green well foliated biotite schist with minor marble intervals as above. Moderate patchy chlorite, increasing biotite with depth, common carbonate stringers. Limonite along fractures and minor oxidation as halos to carbonate stringers. Increased pyrite in biotite rich intervals.
		145.1 - 188.3	Patchy Moderate Chlorite	Vein Selvege Weak Calcite

188.3 - 194.7	SZ	lamn	Fol-str	Pale green sheared biotite schist. Weak clay alteration, weak sericite, and vein controlled carbonate. Moderate clotty pyrite.		
		188.3 - 194.7	Pervasive Weak Clay	Pervasive Weak Sericitisation	Vein Selvedge Weak Calcite	
194.7 - 200.0	BtS	silc	Fol-mod	Pale cream grey biotite schist partially obscured by alteration. Moderate silicification, weak sericite. Trace disseminatged pyrite.		
		194.7 - 200.0	Pervasive Moderate Silicification	Pervasive Weak Sericitisation		

Drill Log: CFD0433

Easting	584554.83	Hole Length	287 m	Prospect	Supremo T4-5	Drill Started	Aug 29, 2014	Comment
Northing	6974449.24	Azimuth	270°	Target	Supremo Infill	Drill Completed	Sep 02, 2014	
Projection	UTM7-NAD83	Dip	-50°	Geologist	KGrodzicki	Core Size	NQ2	
Survey method	RTK GPS	Elevation	1243.28mASL					

Lithology and Alteration

Interval	Lith	Texture	Deformation	Comments
0.0 - 3.2	OVb			
3.2 - 35.3	MxF	band	Fol-mod	Weakly oxidized. Limonite altered gneiss with mafic bands and augen present locally. Patchy sericite alteration to biotite rich mafic bands. Fracture controlled limonite. White bucky quartz veins ~5cm thick.
		3.2 - 35.3	Fracture Controlled Weak Clay	Replaces Mafics Weak Sericitisation Patchy Weak Silicification
35.3 - 37.1	FLT	mass		Clay rich, brown fault pug in fracture sub parallel to core axis in gneiss. Granular fault pug with sub-rounded, fine grained clasts of gneiss. Weakly oxidized.
		35.3 - 37.1	Fracture Controlled Strong Clay	
37.1 - 46.1	MxF	band	Fol-mod	Weakly oxidised, limonite altered gneiss with sericite altered biotite in mafic bands. Augen visible locally. Weak clay alteration particularly along fracture planes.
		37.1 - 53.3	Fracture Controlled Weak Clay	Replaces Mafics Weak Sericitisation Patchy Weak Silicification
46.1 - 46.7	HU	mass		Weak zone. Strongly oxidised with limonite alteration. Massive texture, no foliation preserved.
46.7 - 53.3	MxF	band	Fol-mod	Weakly to moderately oxidised, limonite altered gneiss with sericite altered biotite. Fspar eyes present locally. Weak patchy clay alteration to fractures.
53.3 - 91.7	MxF	band	Fol-mod	Mixed gneiss. Silicified with sericite alteration to biotite rich mafic components. Fspar eyes present locally. Local fracture controlled limonite and weak oxidation. Limonite bleeds from fractures in to surrounding host rock. Weak, patchy hematite alteration to felsic component. Patchy strong silicification. Irregular cm scale quartz veins with carbonate alteration.
		53.3 - 91.7	Replaces Mafics Moderate Sericitisation	Pervasive Moderate Silicification Patchy Weak Calcite
91.7 - 107.8	MxF	band	Fol-mod	Weakly oxidised mixed gneiss with patchy fspar eyes. Sericite alteration to biotites and local patchy silicification. Weak, pervasive fracture controlled limonite. Weak fracture controlled clay alteration. Patchy strong alteration of feldspar to clay.
		91.7 - 107.8	Fracture Controlled Weak Clay	Replaces Mafics Weak Sericitisation Patchy Weak Silicification
107.8 - 114.8	MxF	band	Fol-mod	Weak zone. Moderately oxidised. Foliated with fracture controlled limonite and clay alteration. Feldspars altered to clay. Minor cm fracture with fault pug at 112.9 m.
		107.8 - 116.8	Fracture Controlled Moderate Clay	Replaces Mafics Weak Sericitisation
114.8 - 116.2	FC	mass		Zone. Oxidised dyke. Massive texture. Fracture controlled limonite alteration.
116.2 - 116.8	MxF	band	Fol-mod	Weak zone. Weakly oxidized mixed gneiss with weak fracture controlled limonite alteration. Feldspars are clay altered.
116.8 - 120.9	MxF	band	Fol-mod	Mixed gneiss. Weak fracture controlled limonite alteration. Clay alteration to feldspars. Moderate sericite alteration to biotite.
		116.8 - 167.5	Patchy Weak Clay	Replaces Mafics Moderate Sericitisation Patchy Weak Silicification
120.9 - 122.4	FC	mass		Massive dacite dyke. Weakly foliated, chilled margins, fracture controlled limonite. Down hole margin in gneiss is baked.
122.4 - 167.6	MxF	band	Fol-mod	Mixed gneiss with kspar eyes present throughout. Sericite altered biotite to mafic component. Patchy silica alteration. Fracture controlled limonite alteration and limonite altered clasts - limonite bleeds in to surrounding rock from fracture. Feldspars locally altered to clay. Cm scale qtz veins present locally.
		167.5 - 193.8	Fracture Controlled Moderate Clay	Replaces Mafics Weak Sericitisation
167.6 - 169.6	MxF	band	Fol-wk	Zone. Mixed gneiss with fspar eyes present altered to clay. Strong fracture controlled and interstitial limonite. Sericite alteration to biotites.

169.6 - 170.6	HU	mass		Zone. Strongly hydrothermally altered with massive texture. Crumbly, broken rock. Matrix altered to clay. Grainy quartz clasts supported by clay.
170.6 - 183.0	MxF	band		Weak Zone. Mixed gneiss with fspars eyes altered to clay fracture controlled limonite alteration and oxidation. Sericite alteration to biotites. Dacite dyke with weak foliation and chilled margin contacts with gneiss. Weak fracture controlled limonite and oxidation.
183.0 - 184.0	FC	mass	Fol-wk	Weak zone. Mixed gneiss with fracture controlled limonite and clay alteration. Clay altered fspars.
184.0 - 187.4	MxF	band	Fol-mod	Weak zone, fracture controlled limonite and clay alteration. Weak oxidation. Sericite altered biotite.
187.4 - 189.1	FC	mass	Fol-wk	Dacite dyke with weak foliation. Chilled margins with limonite alteration. Weak fracture controlled limonite. Weak foliation.
189.1 - 217.9	MxF	band	Fol-mod	Mixed felsic gneiss with local weak oxidation around fractures with limonite. Sericite alteration to biotite rich mafic bands. Local coarse qtz veins.
		193.8 - 218.6	Replaces Mafics Moderate Sericitisation	Patchy Weak Silicification
217.9 - 218.6	MBSLT	mass		Massive, mafic dyke. Locally cut by weak carbonate veinlets. Weak limonite alteration to down hole contact with oxidised mixed gneiss
218.6 - 228.0	MxF	band	Fol-wk	Weakly oxidized with fracture controlled limonite and clay alteration. Fspars replaced to clay. Local sericite alteration of biotite. Crumbly and broken ground, possible fault.
		218.6 - 228.0	Fracture Controlled Moderate Clay	Replaces Mafics Weak Sericitisation
228.0 - 230.0	OG	phyr		Green mafic dyke with carbonate replacement and sericitization. Strong chlorite alteration.
		228.0 - 270.7	Replaces Mafics Moderate Sericitisation	Patchy Weak Silicification
230.0 - 270.7	MxF	band	Fol-mod	Mixed felsic gneiss. Weak patchy interstitial and fracture controlled hematite alteration and fracture controlled limonite. Local silicification and weak pervasive sericite alteration of biotite. Minor (10-20cm) foliation parallel dykes present. Dykes are strongly foliated a with chlorite alteration.
270.7 - 275.8	MxF	band	Fol-mod	Weakly oxidized mixed gneiss with fracture controlled limonite and clay alteration. Weak Patchy sooty sulfides.
		270.7 - 275.8	Replaces Mafics Moderate Sericitisation	Patchy Weak Silicification
275.8 - 287.0	MxF	band	Fol-mod	Weak Zone, EOH: Mixed felsic gneiss with minor biotite schist, Weak interstitial hematite and fracture controlled limonite. Otherwise fresh looking.
		275.8 - 287.0	Replaces Mafics Moderate Sericitisation	Patchy Weak Silicification

Drill Log: CFD0434

Easting	583995.31	Hole Length	160m	Prospect	Supremo T1-2	Drill Started	Sep 01, 2014	Comment	No samples
Northing	6975002.66	Azimuth	0°	Target	2/2 BH-5	Drill Completed	Sep 02, 2014		
Projection	UTM7-NAD83	Dip	-90°	Geologist	CDavis	Core Size	HQ		
Survey method	RTK GPS	Elevation	1177.01mASL						

Lithology and Alteration

Interval	Lith	Texture	Deformation	Comments
0.0 - 4.0	OVB			
4.0 - 160.0	MxF	band		mix felsic gneiss & biotite schist, FG pink with var micaceous seams, pink with grey, var augens, var vugs, Bts dark green, fine-coarse, mod-strong chl alt, var weak-no oxide, var patchy interstitial red hem, weak-no frac lim
		4.0 - 160.0	Pervasive Moderate Silicification	Replaces Mafics Moderate Chlorite

Drill Log: CFD0435

Easting	579522.61	Hole Length	278m	Prospect	Kona North	Drill Started	Sep 02, 2014	Comment
Northing	6973854.38	Azimuth	0°	Target	Kona North	Drill Completed	Sep 06, 2014	
Projection	UTM7-NAD83	Dip	-45°	Geologist	EBuitenhuis	Core Size	NQ2	
Survey method	RTK GPS	Elevation	1098.22mASL					

Lithology and Alteration

Interval	Lith	Texture	Deformation	Comments
0.0 - 12.0	OVB			
12.0 - 33.5	GG	cgrn		Patchy weak fracture controlled limonite through Coffee GG with med-coarse bt. Moderate green sericite after equigranular feldspar in patches, though unit remains coarse and "countertop". Patches of .25% limonite bleeding into host GG off of fractures, weak. Moderate Mn-oxide on fractures over last 3m where ox increases to .5%
		12.0 - 33.5	Patchy Moderate Sericitisation	Fracture Controlled Weak Clay
33.5 - 38.1	GG	cgrn		Zone, strong clay alt of GG, str silica, greenish-grey colouration throughout with fine, nearly invisible disseminations of sooty sulphide throughout clay. Unoxidized throughout (trace) with minor thin (2-4mm) qtz-py veinlets cutting core axis at ~25 deg, grey in colour with ultra-fine py disseminations.
		33.5 - 38.1	Pervasive Strong Silicification	Pervasive Strong Sericitisation Pervasive Strong Clay
38.1 - 44.2	GG	cgrn		Zone, moderate white clay alteration of feldspars, moderate orange limonite-clay replacement (darker colour) of biotite in patches throughout. Up to 1.5% disseminated limonite, .75% patchy hematite in association with increased silica alteration in patches. Potentially the oxidized version of the above, where strongest silica-hematite is found.
		38.1 - 44.2	Patchy Strong Silicification	Patchy Moderate Sericitisation Replaces Felsics Moderate Clay
44.2 - 50.7	GG	cgrn		Patchy moderate green sericite alteration of feldspars through "countertop" with moderate patches of silicification. Thin interval from 47-47.4m of beige-white clay alteration and bleaching in association with 8cm qtz vein/silica flood with 1mm margins composed of qtz-hematite. No orientation available, but cuts ~50deg TCA. Local areas of up to .5% fc limonite.
		44.2 - 50.7	Patchy Strong Silicification	Patchy Moderate Clay
50.7 - 52.9	GG	cgrn		Shoulder to zone, stronger clay alteration with strong green tinge to core (sericite?) leading into a 2cm thick qtz-py vein (low As, ~180ppm) at 52.2m with strong hematitic oxidation halo (1.5%). Alteration increases to strong clay-sericite, patchy limonitic oxidation, and common qtz veinlets in multiple orientations xcutting interval. .75% super fine arsenian pyrite (?).
		50.7 - 52.9	Pervasive Strong Sericitisation	Patchy Strong Silicification Pervasive Moderate Clay
52.9 - 53.6	YC	bx		Zone: intense silica flooding through GG, could be considered a YC silica-flood breccia. "clasts" of .5cm preserved feldspar and qtz phenocrysts floating in a grey-silica matrix in areas, no comminution or rounding of "clasts", mostly flood silica. Cut by stacked set of steeply E dipping, NNE-NE striking sooty pyrite veinlets up to 5mm in width, semi-irregular vein margins and orientations (wispy, anastomosing), 20cm interval of more intense silica with no visible granitic texture preserved which is bound by two of the stacked veinlets.
		52.9 - 53.6	Pervasive Intense Silicification	Pervasive Strong Sericitisation Pervasive Moderate Clay
53.6 - 56.0	GG	cgrn		Continuation of zone, strong silicification but increase of oxidation to .75% limonite/hematite after pyrite through GG, well defined sooty veinlets in same orientation as last. Final 40cm of unit consists of texturally obliterated GG, replaced by yellow clay/silica. A set of fracture planes cuts the core in the same orientation as the py veinlets observed above. 1.5% disseminated sooty py, .75% brassy-white unoxidized as-py at termination of unit. Some veinlets trend parallel TCA.
		53.6 - 56.0	Patchy Strong Silicification	Patchy Strong Clay
56.0 - 67.3	GG	cgrn		Strong silicification of granite, with strong to intense sericite at bottom of interval. Bt is preserved in initial 5m, before being wiped out by silica (dolomite?). Fracture network resembling a stockwork from 65-67.2m with fine dark sulphide (no As enrichment) along fracture network sealed by quartz. Not sooty pyrite, but normal, fine grained py (?). Granite is texturally destroyed in variable amounts by silica influx: common qtz veinlets crosscut as part of flooding event. some alteration resembles endoskarn (fine red mineral, potentially gt?)
		56.0 - 67.3	Pervasive Strong Silicification	Patchy Strong Sericitisation

67.3 - 72.0	GG	cgrn	Oxidized granite. Up to .75% fracture controlled limonite, weak fracture controlled clay. Moderate pervasive silicification, minor Mn-oxide and hem staining. Graes into mod white clay sealed by qtz at lower contact.		
67.3 - 72.0		Pervasive	Moderate Silicification	Fracture Controlled Weak Clay	
72.0 - 76.1	GG	cgrn	Heavily fractured interval, rubble, but siliceous and resistant. Very weak clay alteration along fractures. Up to 1.5% fracture controlled limonite. Unit preserves a cgrn granitic texture, with strong silicification; lower portion contains qtz phenocrysts with surrounding minerals replaced by silica and superfine arsenian pyrite. Fracture networks allow percolation of oxidizing fluids which consume groundmass of GG, but where less fracturing, less oxidation and a buff grey-brown colouration due to sulphide content. Lower 1m includes rubble zone with increased clay alteration (white-yellow-orange colouration).		
72.0 - 76.1		Patchy	Intense Silicification	Fracture Controlled Moderate Clay	Pervasive Moderate Sericitisation
76.1 - 77.7	GG	cgrn	Zone, unoxidized granite, texture preserved in some areas, but dominantly obliterated by intense silicification with superfine disseminated arsenian pyrite. 2.5% disseminated sooty pyrite, moderate to strong white clay in patches. Lower contact is abrupt against strong white clay BX which begins next unit.		
76.1 - 77.7		Patchy	Intense Silicification	Pervasive Strong Sericitisation	Patchy Moderate Clay
77.7 - 79.0	GG	bx	Zone, strong pervasive clay acting as matrix, supporting equigranular quartz phenocrysts, or potentially intensely silicified granitic fragments. Multiply oriented clay matrix breccias cut intensely clay altered granite. Green-yellow-grey sericite (?) intense alteration within matrix in more consolidated areas. Less of a breccia over most of the interval than in situ, strongly altered granite. Interval runs very high As, sooty pyrite is super fgrn.		
77.7 - 79.0		Pervasive	Intense Sericitisation	Pervasive Strong Clay	Pervasive Intense Silicification
79.0 - 80.6	GG	cgrn	Zone, up to 3% disseminated sooty py through intensely silicified granite. Minor hematite/limonite along some fractures, strong sericite throughout. Texturally obliterated, with exception of quartz phenocrysts, which are partially consumed or "grown" by influx of siliceous fluid.		
79.0 - 80.6		Pervasive	Intense Silicification	Pervasive Strong Sericitisation	
80.6 - 83.7	GG	cgrn	Fol-wk	Strong silicification of granite, preserved feldspars with overprinting silica. Strong deformation throughout, with equigranular texture rotated, strained, and even producing mild foliation in areas (81.8m). Up to .5% fracture controlled hematite, and locally fine grained arsenian pyrite (.5% disseminated). Very strongly altered.	
80.6 - 83.7		Pervasive	Strong Silicification	Pervasive Strong Sericitisation	
83.7 - 85.2	GG	cgrn	Continuation of previous unit, with increased sooty pyrite content to 1% disseminated, pseudomorphing bt (?) as flakes within strongly silicified granite.		
83.7 - 85.2		Pervasive	Strong Silicification	Pervasive Strong Sericitisation	
85.2 - 100.3	GG	cgrn	Patches of intense silicification of granite, with textural obliteration. Strong sense of shear/strain at 85.8m. Multiple orientations of qtz veining/vein corridors which cut silicified material. Patches of mod to str white clay alteration after feldspar, but host remains competent and silicified (later?).		
85.2 - 100.3		Patchy	Intense Silicification	Patchy Strong Sericitisation	Patchy Strong Clay
100.3 - 102.5	GG	cgrn	Thin zone, brown-grey disseminations of sooty pyrite through granite, green alteration mineral (?) replacing feldspars. Beginning of unit consists of white clay after feldspars and arsenian pyrite after biotite. 1.5% disseminated sooty sulphide over interval, up to .5% hematite on fractures.		
100.3 - 102.5		Pervasive	Moderate Clay	Patchy Strong Silicification	
102.5 - 112.4	GG	cgrn	Fractured granite, up to .75% fracture controlled limonite, local moderate to strong clay after feldspars and mod to strong silica in patches. Minor patches of weak arsenian pyrite pseudomorphing biotite.		
102.5 - 112.4		Patchy	Moderate Silicification	Patchy Moderate Clay	Patchy Moderate Sericitisation
112.4 - 136.1	GG	cgrn	Strong zone. Strong silicification at beginning of unit to 118.5m, where strong pervasive white clay and sericite (green) alteration persist of remainder of interval. Some intervals slightly unconsolidated due to fracturing and clay alteration. Multiply oriented sooty pyrite veinlets (2%) over entire interval, exhibiting wispy, wavering vein margins where they permeate through the host. 2% disseminated sooty sulphide hosted within the granite across the entire interval. Rock becomes slightly less clay altered, and more siliceous, at lower 2m, where GG texture is better preserved.		
112.4 - 136.1		Pervasive	Strong Clay	Patchy Strong Silicification	Pervasive Strong Sericitisation
136.1 - 143.8	GG	cgrn	Silicified granite, strong white clay and sericite throughout, no infiltration of sooty pyrite. Grey-green colouration throughout with white feldspars/clays.		
136.1 - 143.8		Pervasive	Strong Silicification	Pervasive Moderate Clay	Pervasive Moderate Sericitisation
143.8 - 147.9	GG	cgrn	Strongly silicified granite, strong sericite (green tinge) cut by dark sooty pyrite vein corridors up to 1cm in width. Moderate to strong clay alteration along some fractures. White-brassy aspy in small aggregates at .5% disseminated. Up to 2% disseminated sooty sulphide throughout.		
143.8 - 147.9		Pervasive	Strong Silicification	Pervasive Strong Sericitisation	Fracture Controlled Moderate Clay
147.9 - 152.3	GG	cgrn	Strong silicification and sericitization of granite, absent of sooty sulphide disseminations. Fractured, minor yellow-orange limonite on fracture surfaces. 1m interval of 1.5% disseminated sooty pyrite from 149-150, heavily fractured.		
147.9 - 152.3		Pervasive	Strong Silicification	Pervasive Moderate Sericitisation	
152.3 - 160.8		Pervasive	Strong Silicification	Patchy Strong Sericitisation	Fracture Controlled Weak Clay

152.3 - 160.8	GG	cgrn	Up to 1.5% disseminated sooty sulphide through strongly silicified granite. Common veining/fracture set in upper portions of unit near 154m. Weak fracture controlled clay in rubble zone from 155.5-157m. Strong sericite throughout, patches of weaker disseminated sulphide. Lower portion of unit sees cgrn qtz phenocrysts with dark green sericitic replacement of feldspars in association with super fine aspy (158.5-160)
160.8 - 171.3	GG	cgrn	Patchy strong clay alteration of granite, with localized patches of near-glassy silicification no more than 40cm wide. Strong sericite in association with white clay, local zones with up to 3% disseminated sooty sulphide. Sulphide distributed as fine disseminations in most silicified areas, and also as polydirectional stockwork-style veinlets throughout the interval, on fractures. Where texture is preserved fully, pyrite pseudomorphs biotite flakes.
		160.8 - 171.3	Patchy Strong Silicification Pervasive Strong Clay Pervasive Strong Sericitisation
171.3 - 173.9	YO	bx	Monomict clasts of qtz phenocrysts from granite supported by near in-situ clay/rock flour matrix. Patches of BX indicate moderate rounding and rotation of clasts, others more "crackle breccia" style with unconsolidated clay supporting the fragments with little to zero rotation. Weak hematitic oxidation after superfine arsenian pyrite distributed throughout the clay matrix of the breccia. Up to 2.5% disseminated sooty pyrite.
		171.3 - 173.9	Replaces Matrix Strong Clay Replaces Clasts Strong Silicification
173.9 - 174.7	YO	bx	Strong pervasive clay alteration, small, <1cm clasts of qtz supported by clay-sulphide matrix. Up to 3% disseminated sooty pyrite through matrix consisting of clay, with semi-rounded clasts. Small, 10cm window of sulphide-poor breccia within. Lower contact is strongly foliated at 45 deg TCA, ends in rubbly white clay mtx BX.
		173.9 - 174.7	Pervasive Strong Clay Replaces Clasts Strong Silicification
174.7 - 177.1	YO	bx	Angular clasts of qtz (phenocrysts in proto GG) in 50-50 clast-matrix clay bx. Locally reduced to rubble, minor .25% yellow limonite on some clay fracture zones. Clasts are equigranular, suggesting they're the qtz phenocrysts. Lower contacts are steep TCA, 75-80 deg. Ultra fine arsenian pyrite present throughout clay as fine disseminations, nearly invisible (2%).
		174.7 - 177.1	Pervasive Strong Clay Patchy Strong Sericitisation
177.1 - 180.5	Yx	bx	Granite with strong development of complex fracture network leading to in-situ crackle brecciation in many intervals throughout the unit. Strong pervasive silicification appears to be followed by clay alteration along fracture networks (bx development). 1.5% disseminated arsenian pyrite throughout the silicified intervals. Up to .75% fracture controlled hematite throughout.
		177.1 - 180.5	Pervasive Strong Silicification Fracture Controlled Moderate Clay Patchy Strong Sericitisation
180.5 - 184.8	GG	silc	Strong silicification, intense fluidization of granite. Texture preserved, but heavily impinged upon by fluids and fracturing. Strong clay for 40cm at 184m with subsequent core breakdown. Minor disseminated arsenian pyrite (.25%), .5% fracture controlled hematite.
		180.5 - 184.8	Pervasive Strong Silicification Patchy Strong Clay Patchy Strong Sericitisation
184.8 - 186.3	GG	cgrn	Granite, moderate to strong silicification, moderate pervasive clay after feldspar, and especially on fractures. 1% disseminated limonite.
		184.8 - 186.3	Pervasive Moderate Silicification Pervasive Moderate Clay
186.3 - 189.0	GG	cgrn	Interval of unconsolidated, gravelly granite with up to 2% disseminated limonite. Significant core loss from 187-189m; remnants are unconsolidated clay, white-orange in colour, potentially a YO clay matrix breccia. Strong pervasive clay.
		186.3 - 189.0	Pervasive Strong Clay Patchy Moderate Silicification
189.0 - 193.1	GG	cgrn	Oxidized granite, moderate pervasive silica, white-orange clay altn, intense silicification from 192.1-192.3m with disseminations of super fine, unox arsenian pyrite (1.5%, patchy). 1.5% disseminated lim-hem, fades at lower contact where orange- clay altn takes over.
		189.0 - 193.1	Pervasive Moderate Clay Patchy Intense Silicification
193.1 - 202.8	GG	cgrn	Granite, strong pervasive clay alteration leading to breakdown of rock and heavy fracturing. Patches of .5% disseminated limonite, and thin patch of mineralization from 199.6-200.1m (1.5% disseminated limonite, strong clay). Rubble zones increase in frequency to lower contact. Contact is with schistose metamorphic rocks; contact is not preserved, but no grain size reduction or growth is noted. Contact is strongly clay altered and rubbly, but in better shape than granitic rubble zones above. Minor sense of strain at 201.4m, but not suspected to be related to the lithological change. Contact with schist is steeply angled TCA, as supported by previous drilling with a S-dipping contact.
		193.1 - 202.8	Pervasive Strong Clay Patchy Moderate Silicification
202.8 - 203.1	BtS		Transition to the schistose package. Strong to intense sericitization of schist, blue-grey colour when unoxidized, .75% disseminated hematite when oxidized. "RQM" appearance, <1mm bands of qtz preserved while matrix is sericite/illite/dolomite. Fine trails of <0.5mm pyrite (As?) trained throughout schist.
		202.8 - 203.1	Pervasive Strong Sericitisation Strong
203.1 - 203.5	YC	bx	Steep contact with breccia. Monomict clasts of intensely silicified schist with 2% disseminated sooty sulphide within, unoxidized, set within a clay-limonite-rockflour matrix with sub-angular sand-sized clasts of qtz vein and host rock. Clasts and matrix both mineralized, with cubic pyrite suspended in matrix. 2% disseminated sulphide within large clasts, 1.5% hematite within matrix.
		203.1 - 203.5	Replaces Matrix Strong Clay Replaces Clasts Intense Silicification

203.5 - 207.5	YO	bx	Long interval of brecciation and rubble. Matrix supported, polymictic breccia with disaggregated, unconsolidated intervals common. Angular, medium grained clasts of schist and quartz vein, variably altered, set within a clay-rock flour matrix. Strongly rotated and transported in areas. 2.5% disseminated limonite throughout.		
		203.5 - 207.5	Pervasive Strong Clay	Patchy Strong Sericitisation	
207.5 - 211.3	HU	Heavily altered rock, schistose protolith. Fabric of schist is heavily rotated, local internal duplication, dismemberment. Patches of 1.5% sooty sulphide disseminated through strong fine clay alteration. Patchy white clay bleaching reminiscent of FC dyking, however internal fabric just barely visible. Dirty, beige brown colouration throughout. Up to 2% disseminated limonite.			
		207.5 - 211.3	Patchy Intense Sericitisation	Pervasive Strong Clay	
211.3 - 218.5	YO	bx	Polyphase, polymictic breccia. Rockflour/clay sulphide (fine) matrix supports polymictic clasts of intensely sericitized schist (protolith), also qtz vein fragments, and intensely silicified/sericitized/sulphidized rock. Some clasts sub-rounded, others very angular, still others are lath like. Variable size of clasts from sand sized within rock flour matrix, which support medium-large clasts of schistose rock. Later fluid of superfine chaledonic (grey) silica/rockflour/ultrafine sulphide (?) further infiltrates and brecciates the original breccia. 1mm brassy py common throughout. Patch of oxidation from 212.5-213m with 1.5% disseminated limonite. sulphide intensity increases at 214m, with strong sulphide within both clasts and matrix.		
		211.3 - 218.5	Pervasive Intense Sericitisation	Pervasive Strong Silicification	Pervasive Strong Clay
218.5 - 231.5	BtS	Heavily dolomitized/pervasively clay altered schistose protolith with intense sericite throughout. Preserved thin patches of 1% arsenian pyrite along schistose foliation, other areas are grey-blue-white colouration suggesting obliteration of pre-existing sulphide mineralization. Some areas of strong clay alteration and breakdown along fractures.			
		218.5 - 231.5	Pervasive Intense Sericitisation	Patchy Strong Clay	
231.5 - 237.7	Amph	Dark green mafic, amphibolite, bands of strong chlorite and weak epidote throughout. Strong fracture controlled clay alteration and minor talc (?)			
		231.5 - 237.7	Patchy Strong Chlorite	Fracture Controlled Strong Clay	
237.7 - 258.0	BtS	Intensely dolomitized/sericitized rock, schistose protolith. Patch of bright green fuchsite (?) alteration at 241.5m, moderate to strong clay along fractures. Minor intervals of white coarse calcite BX, v. rare. Absent of any disseminated sooty sulphide, in comparison to previous unit above amph.			
		237.7 - 258.0	Pervasive Intense Sericitisation	Fracture Controlled Strong Clay	
258.0 - 262.0	YO	bx	Interval of intense dolomite/sericite with schistose protolith, cut by grey coloured bx of superfine, chalcedonic silica-rockflour matrix, with well defined 10cm corridors of sand sized or smaller clasts of host rock and qtz vein milled down to rock flour. Surrounding corridors, angular, rotated, medium sized clasts of schist are clast supported, occasionally unbrecciated but just strongly deformed. Banding observed within chalcedonic corridors on 0.5cm scale.		
		258.0 - 262.0	Pervasive Intense Sericitisation	Pervasive Strong Silicification	
262.0 - 278.0	BtS	Local strong clay through biotite schist protolith. Patches of heavily fractured, 1.5% limonitic rubble with strong clay intermixed with strong dolomite-sericite altered schist. Patchily runs As.			
		262.0 - 278.0	Patchy Strong Sericitisation	Patchy Moderate Silicification	Fracture Controlled Moderate Clay

Drill Log: CFD0436

Easting	584470.94	Hole Length	185m	Prospect	Supremo T4-5	Drill Started	Sep 02, 2014	Comment Lost 1 shift due to late arrival of crew on shift change day. Lost 1 shift due to freezing waterlines.
Northing	6974525.7	Azimuth	270°	Target	Supremo Infill	Drill Completed	Sep 04, 2014	
Projection	UTM7-NAD83	Dip	-50°	Geologist	MEckfeldt	Core Size	NQ2	
Survey method	RTK GPS	Elevation	1247.85mASL					

Litholoav and Alteration

Interval	Lith	Texture	Deformation	Comments
0.0 - 6.5	OVb			Boulders of gneiss and marble. All bleached.
6.5 - 41.2	FG	band	Fol-mod	Patchy orange and bleached white augen gneiss. Weak to moderate patchy clay alteration, weak sericite. Patchy moderate interstitial hematite and limonite.
		6.5 - 41.2	Patchy Moderate Clay	Patchy Weak Sericitisation
41.2 - 46.4	YO	bxv		Zone: Orange white, monomictic clay matrix supported breccia. Breccia clasts are subangular and rotated. Intense clay alteration and strong oxidation.
		41.2 - 46.4	Pervasive Strong Clay	Patchy Moderate Sericitisation
46.4 - 57.4	MxF	band	Fol-str	Pink grey augen gneiss with 1-2 cm biotite schist intervals. Weak patchy sericite and silicification, weak patchy interstitial hematite.
		46.4 - 57.4	Patchy Weak Sericitisation	Patchy Weak Silicification
57.4 - 59.3	Yx	bx		Zone: Brick red crackle breccia. Strong clay and pervasive hematite. Along contact of Mxf and dacite dyke. Dyke also brecciated with hematite alteration.
		57.4 - 59.3	Pervasive Strong Clay	
59.3 - 64.4	FC	mass		Massive light grey dyke. Weak pervasive carbonate alteration. Minor hematite alteration and brecciation at top contact.
		59.3 - 64.4	Pervasive Weak Calcite	
64.4 - 99.3	MxF	band	Fol-str	Augen gneiss with minor biotite schist as above, 50 cm dacite dyke at 90 m. Patchy clay overprint, rare short fresh intervals, weak sericitization and weak patchy oxidation.
		64.4 - 99.3	Patchy Weak Clay	Patchy Moderate Sericitisation
99.3 - 106.3	MxF	band	Fol-str	Transition Zone: Patchy red and grey augen gneiss with minor biotite schist obscured by alteration. Weak clay overprint, weak sericite. Patchy hematite along fractures and interstitial. Minor interstitial sooty sulfides.
		99.3 - 106.3	Patchy Weak Clay	Patchy Moderate Sericitisation
106.3 - 122.4	MxF	band	Fol-str	Patchy reddish orange augen gneiss and very minor biotite schist. Moderate patchy clay alteration, moderate sericitization. Weak to moderate patchy oxidation
		106.3 - 122.4	Patchy Moderate Clay	Patchy Moderate Sericitisation
122.4 - 123.6	Yx	bx	Fol-str	Zone: Weak crackle breccia and narrow cm scale gouge zones. Gouge zones are matrix supported with subangular rotated monomictic clasts. Moderate to strong clay alteration, Moderate oxidation.
		122.4 - 123.6	Patchy Strong Clay	Patchy Weak Sericitisation
123.6 - 132.5	MxF	band	Fol-str	Transition Zone: Patchy reddish orange and grey augen gneiss, minor biotite schist? Weak patchy clay alteration, moderate sericitization. Moderate fracture controlled limonite and moderate interstitial hematite. Weak patchy sooty sulfides.
		123.6 - 132.5	Patchy Moderate Sericitisation	Patchy Weak Clay
132.5 - 161.5	MxF	band	Fol-str	Patchy orange oxidized augen gneiss with minor biotite schist. Weak patchy clay after felsics, moderate sericite. Moderate interstitial limonite and patchy hematite.
		132.5 - 161.5	Patchy Moderate Sericitisation	Patchy Weak Clay
161.5 - 169.4	MxF	band	Fol-str	Weak Zone: Patchy pink orange augen gneiss with minor schist. Weak clay and sericite alteration. Moderate interstitial hematite stain, weak fracture controlled limonite, and minor patchy sooty sulfides.
		161.5 - 169.4	Patchy Weak Clay	Patchy Weak Sericitisation
169.4 - 173.9	Yx	bx	Fol-wk	Orange green crackle breccia in biotite schist and minor gneiss. Moderate to strong clay alteration. Limonite and minor hematite crackle fill.
		169.4 - 173.9	Pervasive Strong Clay	

173.9 - 185.0	MxF	band	Fol-str	Pink augen gneiss and minor biotite schist. Fresh looking rock. Weak sericite could be primary, moderate chlorite in schist. Moderate hematite dusting through gneiss.		
		173.9 - 185.0	Patchy Weak Sericitisation		Patchy Moderate Chlorite	

Drill Log: CFD0437

Easting	584407.39	Hole Length	157 m	Prospect	Supremo T3	Drill Started	Sep 04, 2014	Comment	HQ. Drilled right down T3. Very rubbly, unsuitable for install. Will use for a met hole. No Ori.
Northing	6975001.13	Azimuth	0°	Target	Infill	Drill Completed	Sep 06, 2014		
Projection	UTM7-NAD83	Dip	-90°	Geologist	CDavis	Core Size	HQ		
Survey method	RTK GPS	Elevation	1179.39mASL						

Litholoav and Alteration

Interval	Lith	Texture	Deformation	Comments
0.0 - 2.8	OVB			
2.8 - 79.0	MxF	band		mix of felsic gneiss dominant over biotite schist, felsic gneiss strongly felsic to common black seams-lam (bt?) component, biotite schist mod-strong chl alt, felsic gneiss strong sil, var red interstitial hem in felsic intervals
		2.8 - 77.4	Patchy Moderate Silicification	Replaces Mafics Moderate Chlorite
		77.4 - 79.0	Patchy Weak Silicification	Fracture Controlled Moderate Clay
79.0 - 80.5	Ylim	bxm		brecciated MxF, orange lim infill & perv orange (stained clay alt with var sil overprint), 2 lim interstitial, 0.5 brown frac hem
		79.0 - 80.5	Patchy Strong Silicification	Pervasive Weak Clay
				Patchy Moderate Sericitisation
80.5 - 97.5	MxF	lamn		felsic gneiss strongly felsic to common black seams-lam (bt?) component, var weak brecciation sealed with white silica 0-10CA & fol parallel 70-80CA, weakly oxide throughout, 0.5 interstitial lim, 0.5 frac hem
		80.5 - 115.0	Pervasive Strong Silicification	Pervasive Moderate Sericitisation
				Fracture Controlled Weak Clay
97.5 - 103.0	Ylim	bxv		breccia, gravelly to plastic, var sil clasts, intense pervasive oxide
103.0 - 105.9	Ylim	bxv		breccia, angular blocky, sealed fracs 0-20CA, criss cross-crackle texture, lim infill sil wallrock
105.9 - 111.0	Ylim	bxv		breccia as above, less blocky
111.0 - 118.5	YC	bxv		breccia, rounded pebble framework with rock flour matrix low angle 5-15CA with margins var strong & weak clay alt, framework more rounded sil continues, lim matrix, zones of intense oxide
		115.0 - 118.0	Patchy Strong Silicification	Patchy Strong Sericitisation
		118.0 - 133.0	Pervasive Strong Silicification	Pervasive Moderate Sericitisation
118.5 - 121.0	YO	bxv		breccia, rounded pebble framework with rock flour matrix low angle 5-15CA with margins of non-bx alt felsic gneiss, very weak to no oxide more along fracs at upper & lower contacts, well silicified with ser
121.0 - 123.0	YC	bxv		breccia, rounded pebble framework with rock flour matrix low angle 5-15CA with margins, intense oxide lim matrix, poor recovery 121-123m overlaps breccia-oxide Bt schist contact
123.0 - 125.9	BtS	lamn		laminated unit = well silicified with perv oxide bt schist?, with some felsic gneiss, weak sealed fracturing 0-20CA
125.9 - 139.0	MxF	band		mix felsic gness with biotite schist bands as above, upper zone well silicified & patchy strong ser, blothcy orange perv oxide
		133.0 - 139.0	Pervasive Strong Silicification	Patchy Weak Sericitisation
139.0 - 141.9	MxF	bxi		weakly frac felsic gneiss, weak-mod frac clay alt, weak perv oxide
		139.0 - 141.9	Pervasive Strong Silicification	Fracture Controlled Weak Clay
				Patchy Moderate Sericitisation
141.9 - 157.0	AmBtS	band		var zones of coarse amph with felsic infill and bitoite rich bands, weak alt, no oxide
		141.9 - 157.0	Replaces Mafics Weak Chlorite	Patchy Moderate Silicification

Drill Log: CFD0438

Easting	584350.87	Hole Length	242m	Prospect	Supremo T3	Drill Started	Sep 05, 2014	Comment
Northing	6974526.7	Azimuth	270°	Target	Supremo Infill	Drill Completed	Sep 07, 2014	
Projection	UTM7-NAD83	Dip	-50°	Geologist	MEckfeldt	Core Size	NQ2	
Survey method	RTK GPS	Elevation	1259.18mASL					

Litholoav and Alteration

Interval	Lith	Texture	Deformation	Comments
0.0 - 6.0	OVB			Boulders of gneiss
6.0 - 16.8	MxF	silc	Fol-wk	Pale bleached gneiss and minor schist. Moderate pervasive silicification and sericite. Weak to moderate oxidation on fractures and local interstitially.
		6.0 - 16.8	Pervasive Moderate Silicification	Patchy Moderate Sericitisation
16.8 - 26.7	MxF	band	Fol-str	Weak Zone: Grey-green with patchy orange augen gneiss and long ~70 cm intervals of biotite schist. Weak silicification and moderate sericite, moderate patchy chlorite, weak patchy clay alteration after felsics. Fracture and interstitial limonite weak disseminated hematite.
		16.8 - 26.7	Patchy Moderate Sericitisation	Patchy Weak Silicification Replaces Felsics Weak Clay
26.7 - 29.7	Ylim	bx	Fol-wk	Zone: Green and orange crackle breccia and and limonite filled breccia. Limonite breccia is matrix supported with rotated angular clasts 1-2 mm or less. Moderate clay and sericite. Strong oxidation.
		26.7 - 29.7	Pervasive Strong Clay	Patchy Moderate Silicification
29.7 - 43.7	MxF	silc	Fol-mod	Pale bleached augen gneiss and minor biotite schist. Moderate qtz stringer stockwork and silicification, weak clay after felsics, moderate sericite. Fracture controlled limonite and minor interstitial. Minor chaotic hematite-limonite stringers.
		29.7 - 43.7	Pervasive Moderate Silicification	Patchy Moderate Sericitisation Replaces Felsics Weak Clay
43.7 - 47.5	MxM	band	Fol-mod	Weak Zone: Orange biotite schist with minor gneiss. Moderate to strong patchy pervasive clay, moderate sericite. Strong pervasive oxidation.
		43.7 - 47.5	Pervasive Moderate Clay	Patchy Moderate Sericitisation Replaces Mafics Moderate Chlorite
47.5 - 85.7	MxF	band	Fol-str	Pale pink grey augen gneiss with minor 20 cm intervals of biotite schist. Moderate foliation parallel sericite, foliation parallel hematite and weak dusting. Minor fracture controlled limonite
		47.5 - 85.7	Patchy Moderate Sericitisation	
85.7 - 90.0	FG	silc	Fol-wk	Weak Zone: Bleached augen gneiss partially obscured by silicification, sericite alteration and weak clay after felsics. Moderate fracture and interstitial hematite.
		85.7 - 90.0	Pervasive Moderate Silicification	Pervasive Moderate Sericitisation Pervasive Weak Clay
90.0 - 91.8	Yx	bx		Zone: Strong crackle breccia masking original lithology and texture. Patchy moderate clay alteration, intense oxidation.
		90.0 - 91.8	Patchy Moderate Clay	Patchy Moderate Sericitisation
91.8 - 119.2	MxF	band	Fol-mod	Patchy grey-pink augen gneiss and minor biotite schist. Weak pervasive silicification partially obscuring textures, weak sericite. Weak hematite dusting throughout, patchy limonite oxidation.
		91.8 - 119.2	Pervasive Weak Silicification	Pervasive Weak Sericitisation
119.2 - 124.5	IV	phyr		Dark grey feldspar porphyry dyke. Weak chlorite alteration of groundmass, trace disseminated pyrite.
		119.2 - 124.5	Weak Chlorite	
124.5 - 142.2	FG	band	Fol-mod	Grey pink augen gneiss. Weak silicification and sericite. Trace to minor disseminated pyrite. Weak to moderate hematite dusting throughout, weak patchy oxidation.
		124.5 - 142.2	Pervasive Weak Silicification	Weak Sericitisation
142.2 - 169.4	FG	band	Fol-mod	Weak Zone: Patchy pink-grey and bleached orange augen gneiss. Weak patchy silicification, weak sericite. Patchy oxidation altering with fresher hematite dusting. Trace to minor pyrite.
		142.2 - 169.4	Patchy Weak Silicification	Pervasive Weak Sericitisation Patchy Weak Clay
169.4 - 176.0	Ylim	bx		Strong Zone: Mottled orange polymictic matrix supported breccia. Clasts range from altered wallrock to silicified grains. Limonite and clay matrix support clasts, local crackle. Intesne clay and moderate sericite alteration. Strong oxidation.
		169.4 - 176.0	Pervasive Intense Clay	Moderate Sericitisation

176.0 - 181.7	FG	band	Fol-mod	Shoulder to breccia zone, moderate white clay replacing feldspars, patches of weaker alteration (178m). Up to .5% disseminated limonite, orange brown hematite along fractures (weak). Oxidized cubic py disseminated throughout gneiss, non mineralization phase.
176.0 - 181.7			Pervasive Moderate Clay	Patchy Weak Sericitisation
181.7 - 191.0	FG	band	Fol-mod	Augen gneiss, grey pink colouration throughout, minor weak sericite along foliation. Moderate patchy silica-sericite alteration, trace disseminated pyrite. 1m patch of clay after feldspar and weak oxidation at 186-187m.
181.7 - 191.0			Patchy Moderate Silicification	Patchy Moderate Sericitisation
191.0 - 202.8	FG	band	Fol-mod	Oxidized gneiss, patches of up to 2% disseminated limonite, orange oxidation after disseminated pyrite. Shoulder to coming zone, moderate silica in some patches, Weak to moderate yellow-clay alteration of feldspars within gneiss.
191.0 - 202.8			Patchy Moderate Clay	Pervasive Moderate Sericitisation Patchy Moderate Silicification
202.8 - 210.0	FG	band	Fol-mod	Zone. UP to 4% disseminated hematite after arsenian pyrite, windows of unoxidized sulphide common, very abrupt lower contact with unmineralized material at 210m. Local fracturing and strong clay alteration with 2% disseminated limonite. Feldspar augen moderately altered by white clay.
202.8 - 210.0			Replaces Felsics Moderate Clay	Pervasive Strong Sericitisation
210.0 - 222.5	FG	band	Fol-mod	Silicified, pink-grey gneiss. 40cm of 3% disseminated hematite at 213.6-214m, narrow patch. Mod to strong silicification throughout, patchy strong sericitic bleaching.
210.0 - 222.5			Patchy Strong Silicification	Patchy Strong Sericitisation
222.5 - 224.0	FG		Fol-wk	Strong thin zone. Up to 4% disseminated arsenian pyrite over first 30cm, followed by strong, liesegang-banded oxidation of schist and or FC dyke. 2.5% disseminated limonite throughout.
222.5 - 224.0			Patchy Strong Clay	Patchy Moderate Silicification
224.0 - 234.6	FG	band	Fol-mod	Pink-grey augen gneiss, moderate silicification throughout, local mod sericite.
224.0 - 234.6			Pervasive Moderate Silicification	Patchy Moderate Sericitisation
234.6 - 242.0	FG	band	Fol-mod	Felsic gneiss, moderate sericite and patch of coarse white muscovite, moderate white-orange clay after feldspars. Up to .5% fracture controlled limonite.
234.6 - 238.0			Patchy Moderate Sericitisation	Patchy Weak Silicification

Drill Log: CFD0439

Easting	584286.64	Hole Length	301m	Prospect	Supremo T3	Drill Started	Sep 07, 2014	Comment	Well_ID: MW14-04T. HQ. New location of
Northing	6975001.35	Azimuth	0°	Target	Hydro BH06	Drill Completed	Sep 11, 2014		BH-6. Moved 120m W to avoid T3.
Projection	UTM7-NAD83	Dip	-90°	Geologist	CDavis	Core Size	HQ		
Survey method	RTK GPS	Elevation	1185.83mASL						

Litholoav and Alteration

Interval	Lith	Texture	Deformation	Comments
0.0 - 2.4	OVb			
2.4 - 37.6	MxF	band		mix of felsic gneiss dominant over biotite schist, within felsics predominantly mafic eams-matrix with coarse fledspar augen-like framework, biotite schist mod-strong chl alt - strongest in top 25m, felsic gneiss strong sil, varfelsic intervals with red interstitial hem, occasional zone of stronger clay frac alt, weak musc & friability
		2.4 - 16.0	Pervasive Moderate Silicification	Replaces Mafics Strong Chlorite
				Replaces Felsics Weak Sericitisation
		16.0 - 18.5	Patchy Weak Silicification	Replaces Felsics Weak Clay
				Replaces Felsics Weak Sericitisation
		18.5 - 21.8	Fracture Controlled Moderate Clay	Pervasive Weak Silicification
		21.8 - 37.6	Pervasive Moderate Silicification	Replaces Felsics Weak Clay
				Replaces Felsics Weak Sericitisation
37.6 - 38.2	YO	bx		low angle brecciation (10-20CA) of host with stronger oxide, anomalous XRF As
		37.6 - 38.2	Pervasive Moderate Silicification	Fracture Controlled Weak Clay
38.2 - 106.5	MxF	band		mix of felsic gneiss dominant over biotite schist, within felsics predominantly mafic seams-matrix with coarse fledspar augen-like framework, weak biotite schist mod-strong chl alt, occaissional white fol parallel quartz veins 1-5cm, felsic gneiss mod-strong sil, var felsic intervals with red interstitial hem, occasional zone of stronger clay frac alt, musc common, var friability, var vuggy elongate voids subparallel foliation
		38.2 - 47.0	Pervasive Moderate Silicification	Replaces Felsics Weak Clay
				Replaces Felsics Weak Sericitisation
		47.0 - 90.0	Pervasive Weak Silicification	Replaces Felsics Weak Clay
				Replaces Felsics Weak Sericitisation
		90.0 - 92.3	Pervasive Weak Silicification	Fracture Controlled Moderate Clay
				Replaces Mafics Moderate Muscovite
		92.3 - 106.5	Pervasive Moderate Silicification	Replaces Felsics Weak Clay
				Replaces Mafics Weak Sericitisation
106.5 - 109.0	YO	bxi		brecciated closed fractures, non-rotated strong oxide
		106.5 - 109.0	Pervasive Moderate Silicification	Replaces Felsics Moderate Clay
				Replaces Mafics Weak Sericitisation
109.0 - 136.0	MxF	band		mix of felsic gneiss dominant over biotite schist, within felsics predominantly mafic seams-matrix with coarse fledspar augen-like framework, weak biotite schist mod-strong chl alt, occaissional white fol parallel quartz veins 1-5cm, felsic gneiss mod-strong sil, var felsic intervals with red interstitial hem, occasional zone of stronger clay frac alt, musc common, var friability, var vuggy elongate voids subparallel foliation
		109.0 - 120.0	Pervasive Moderate Silicification	Fracture Controlled Moderate Clay
				Replaces Mafics Weak Sericitisation
		120.0 - 136.0	Pervasive Moderate Silicification	Replaces Felsics Weak Clay
				Replaces Mafics Weak Chlorite
136.0 - 165.8	MxM	band		mix of mafic rich zones (black-dark grey biotite schist & coarse biotite amph plag schists) and felsic pink gneiss +/- augens with minimal black seams as in above
		136.0 - 165.8	Pervasive Strong Silicification	Replaces Mafics Weak Chlorite

165.8 - 209.1	BtS	band	Fol-wk	Dark grey-black biotite-amphibole schist. Fine grained, weakly foliated. Weak, patchy carbonate alteration. Moderate sericite alteration of biotites. Minor, white carbonate veins.		
		165.8 - 209.1	Pervasive	Moderate Silicification	Patchy Weak Calcite	Replaces Mafics Moderate Sericitisation
209.1 - 301.0	MxF	band	Fol-wk	Mixed felsic gneiss with mafic rich bands. Sericite and muscovite alteration of biotite and local clay alteration of feldspars. Weak pervasive carbonate alteration. Carbonate veinlets locally. Patchy feldspar eyes locally. Quartz-carbonate veins parallel to foliation. Alternating bands of coarser gneiss with weak silicification and no carbonate alteration.		
		209.1 - 301.0	Pervasive	Moderate Silicification	Patchy Weak Calcite	Replaces Mafics Moderate Sericitisation

Drill Log: CFD0440

Easting	579546.84	Hole Length	230m	Prospect	Kona North	Drill Started	Sep 07, 2014	Comment
Northing	6973872.23	Azimuth	0°	Target	Kona North	Drill Completed	Sep 10, 2014	
Projection	UTM7-NAD83	Dip	-45°	Geologist	EBuitenhuis	Core Size	NQ2	
Survey method	RTK GPS	Elevation	1082.73mASL					

Litholoav and Alteration

Interval	Lith	Texture	Deformation	Comments
0.0 - 13.5	OVB			
13.5 - 25.3	GG	cgrn		Coarse grained Coffee granite, preserved biotite throughout. Fractures with weak clay, up to .5% limonite.
		13.5 - 25.3	Fracture Controlled Weak Clay	Patchy Weak Silicification
25.3 - 26.0	GG	silc		Thin zone of mod-strong silica through granite. Moderate clya in fracture zone formed where qtz-py veining present, structure cuts ~50deg TCA, defined by silica-sericite-clay alteration. Weak BX texture where strongest alteration.
		25.3 - 26.0	Fracture Controlled Strong Clay	Pervasive Strong Silicification Pervasive Strong Sericitisation
26.0 - 32.6	GG	cgrn		Granite, coarse grained, patchy silicification and sericitization (moderate) leading to lower 1m where strong white clay alteration (consolidated) replaces feldspars. Slight green tinge (sericite) to feldspars in some portions of the granite.
		26.0 - 32.6	Patchy Moderate Sericitisation	Patchy Moderate Silicification Patchy Strong Clay
32.6 - 34.7	GG	cgrn		Thin zone, 1% disseminated sooty pyrite through granite, strong silica,sericite, common anastomosing qtz-py veinlets cutting core at 45deg TCA, consistent green tinge to feldspars.
		32.6 - 34.7	Pervasive Strong Silicification	Pervasive Strong Sericitisation
34.7 - 43.6	GG	silc	Fol-wk	strongly silicified granite, local destruction of GG texture due to silica influx. Common chalcadonic qtz vein corridors cutting granite, 1cm wide, dark grey, do not run As. Slight greenish tinge to feldspars. Minor disseminated sooty pyrite (rare) in some patches caught up in quartz flooding?
		34.7 - 43.6	Pervasive Strong Silicification	Patchy Moderate Sericitisation
43.6 - 48.0	GG	silc		Zone shoulder, strong silicification as in last unit, but dirty brown-grey disseminated sulphide in silicified areas, mostly patchy until lower contact (1.5%). All bt is now sulphidized where present. Gentle "foliation" applied to granite by quartz alteration, linkage of fine sulphide veinlets and quartz veinlets across core axis at 45 deg TCA. Patchy oxidation off of fractures.
		43.6 - 48.0	Pervasive Strong Silicification	Patchy Moderate Sericitisation
48.0 - 57.4	GG			Strong zone: up to 3% disseminated sooty pyrite through granite, texture dominantly preserved except at lower 1m where overprinted by strong silicification. Strong green sericite throughout, common white clay. Sets of up to 1cm wide sooty pyrite/silica veinlets crosscut at 45 deg TCA, potentially two separate orientations (?). Dark green sericite (?) after feldspar at lowest portion of unit, less disseminated py present, but As still >1600ppm.
		48.0 - 57.4	Pervasive Strong Silicification	Patchy Strong Sericitisation Fracture Controlled Moderate Clay
57.4 - 63.4	GG	silc		Continuation of zone, oxidized (?). Typical Kona North "hidden mineralization", granitic texture preserved in most places, strong to intense (local) silicification, with moderate clay leading to disaggregation of some fractured intervals. High As kicks throughout, but no visible sulphide: pyrite/oxides are potentially very fine grained and not visible to naked eye, disseminated throughout silicified areas. Yellow-white clay alteration of feldspars throughout, leaving only the clay altered feldspar and interstitial quartz flood and granular quartz.
		57.4 - 63.4	Pervasive Strong Silicification	Fracture Controlled Moderate Clay Patchy Moderate Sericitisation
63.4 - 68.7	GG	cgrn		Granite, patches of moderate silicification, no apparent disseminated sulphide within silica. Pervasive moderate (competent) clay alteration of feldspars. Rock visually contains quartz phenocrysts and clay altered feldspars only. No Bt present. .25% hematite and .5% disseminated limonite.
		63.4 - 68.7	Pervasive Moderate Clay	Patchy Strong Silicification
68.7 - 71.0	GG	cgrn		Zone, oxidized granite with up to 1% disseminated limonite, moderate pervasive silicification. Highest As anomaly comes at fractured and moderately clay altered damage zone at 69m. Orange-brown oxides throughout, patches of increased disseminated py (1%).
		68.7 - 71.0	Pervasive Moderate Clay	Pervasive Moderate Silicification

71.0 - 77.0	GG	cgrn	Coarse grained granite, dominantly fresh, with patches of moderate sericite and moderate oxides (.75%).	
		71.0 - 77.0	Patchy Moderate Sericitisation	Patchy Moderate Silicification
77.0 - 80.5	GG	silc	Zone, strong patches of silicification, quartz-pyrite vein "floods" with ill-defined margins crosscut at 45 deg TCA, up to 1.5% disseminated pyrite in patches. Dark brick-red hematite after pyrite. Upper contact is very abrupt, with visible change from un-pyritized granite to dark grey-brown disseminated pyrite.	
		77.0 - 80.5	Patchy Strong Silicification	Patchy Strong Sericitisation
80.5 - 101.4	GG	cgrn	Patchily silicified granite. White-orange clay alteration of feldspars throughout, local fracture zones with up to 1% fracture controlled limonite and variable clay alteration. Rare patches of disseminated sooty pyrite (.5%) account for minor As spikes.	
		80.5 - 101.4	Patchy Moderate Silicification	Pervasive Moderate Clay
101.4 - 105.1	GG	silc	zone of intensely silicified granite with rare sooty sulphide veinlets (<1%) and an overprint of a olive/lime green mineral. 1-2% disseminated brassy pyrite from 101.4-102.9 and 0.5% disseminated brassy pyrite from 102.9-105.05	
		101.4 - 105.1	Pervasive Intense Silicification	
105.1 - 123.1	GG	cgrn	Patchily silicified granite. White-orange clay alteration of feldspars throughout, local fracture zones with up to 1% fracture controlled limonite and variable clay alteration. Rare patches of disseminated sooty pyrite (.5%) account for minor As spikes. increasing amount of Sooty sulphide veinlets from 120.5-123.1m (1%)	
		105.1 - 123.1	Patchy Moderate Silicification	Pervasive Moderate Clay
123.1 - 128.9	GG	silc	Intensely silicified and moderately clay altered granite with 3% sooty sulphide veinlets (up to 1cm) at various orientations (between 90 and 20 TCA) and 2% disseminated mixed sooty and brassy sulphides . Overprint of a olive/lime green alteration mineral throughout	
		123.1 - 128.9	Pervasive Moderate Silicification	Pervasive Moderate Clay
128.9 - 133.5	GG	silc	Intensely silicified granite, strongly fractured, multiple phases of opaque quartz and hematite stockwork veinletting throughout where from 132-133.5 the composition changes to chalcedonic quartz, bleached	
		128.9 - 133.5	Pervasive Intense Silicification	
133.5 - 134.8	GG	silc	Intensely silicified and moderately clay altered granite with 3% sooty sulphide veinlets (up to 1cm) at various orientations (between 90 and 10 TCA) and 2% disseminated mixed sooty and brassy sulphides . Overprint of a olive/lime green alteration mineral throughout	
		133.5 - 134.8	Pervasive Intense Silicification	Pervasive Moderate Clay
134.8 - 135.0	HU		Zone of intense clay alteration ranging from a clay supported matrix breccia at the margin to a grey clay unit in the middle. 5% sooty sulphide	
		134.8 - 135.0	Pervasive Intense Clay	
135.0 - 139.8	GG	silc	Intensely silicified and moderately clay altered granite with 3% sooty sulphide veinlets (up to 1cm) at various orientations (between 90 and 20 TCA) and 2% disseminated mixed sooty and brassy sulphides . Overprint of a olive/lime green alteration mineral throughout. Intensely fractured and clay altered from 138-139.8 leading up to the breccia	
		135.0 - 139.8	Pervasive Intense Clay	Pervasive Moderate Clay
139.8 - 143.2	YC	bxv	Breccia / structural contact between granite and schist unit 1/3. The breccia is variably textured from clay matrix supported to clast supported. Breccia is dominated by a clay matrix supported variable sized quartz clast unit with windows of mineralized granite (windows and granite above are larger grained than average clast size) with 1-2% sooty sulphide and zones of 1% brassy pyrite with a green overprint. weak oxidation from 141.8-143.2	
		139.8 - 143.2	Pervasive Intense Clay	
143.2 - 144.6	YO	bxv	Breccia / structural contact between granite and schist unit 2/3. The breccia is variably textured from crackle breccia (Hu breccia or brecciated breccia) to sooty sulphide matrix supported breccia /HU. Crackle breccia zone from 143.2-144m is overprinted with intense silicification and dominated by 1-7mm chalcedonic quartz veins (at 45 and 90 TCA) and 1-2% sooty sulphide. From 144- 144.2 is a zone of 4cm chalcedonic sooty quartz veins with 3% sooty sulphides at ~90 TCA. and from 144.2-144.6 is a sooty sulphide matrix supported breccia with 5% sooty sulphide and a margin at 80 TCA on both edges (but dipping opposing directions)	
		143.2 - 144.6	Pervasive Intense Silicification	
144.6 - 148.2	YO	bxv	Breccia / structural contact between granite and schist unit 3/3. The breccia is variably textured from clay +limonite matrix supported to clast supported. Breccia is dominated by a clay matrix supported fine grained quartz clast unit with abundant windows of mineralized schist with 1-2% limonite. Lower boundary is abrupt and is at 80 TCA	
		144.6 - 148.2	Pervasive Intense Clay	
148.2 - 156.4	MsS		Sericite altered foliated rock with 1% disseminated limonite and 1-2% limonite stringers. Foliated is disjointed and varies from 45-90TCA. Patchy zones of crackle breccia from 149-150.8. does not react with HCL	
		148.2 - 156.4	Pervasive Strong Sericitisation	Pervasive Moderate Clay
156.4 - 157.3	YO	bxv	hematite-limonite matrix breccia, strong clay. 3% limonite-hematite. coarse clasts of silicified host rock.	
		156.4 - 157.3	Pervasive Strong Clay	

157.3 - 161.9	MsS		Sericite and strong clay altered foliated rock with 1% disseminated limonite and 1-2% limonite stringers. Foliated is disjointed and varies from 45-90TCA.
		157.3 - 174.6	Pervasive Strong Sericitisation Pervasive Moderate Clay
161.9 - 164.8	YO	bx	Mixed zone of mineralized schist and breccia. 3% disseminated limonite+ hematite through except in windows (20% of interval) of sulphide facies where Sooty sulphide is the ore mineral. Breccias (25% of interval) are up to 20cm wide and are characterized by intense networks of limonite veinlets with very fine grained class and rare coarse quartz clasts.
164.8 - 174.6	MsS		Sericite and strong clay altered foliated rock with 1% disseminated limonite and 1-2% limonite stringers.
174.6 - 187.0	YO	bx	Unit is overall foliated but contains both intervals of limonite matrix breccia up to 25cm wide and clasts of silicified material caught up within the foliated unit without any preferential foliation. Dominated by clay matrix breccias and 2% disseminated limonite from 174.6-181.1m. From 181.1-187m, zone is characterized by 40% sulphide facies and 60% oxide facies foliated rocks while 10% of the interval is brecciated material. foliated unit appears to be a qtz>>musch schist (silicified) with 0.1% disseminated brassy pyrite.
		175.6 - 181.0	Pervasive Strong Clay Pervasive Strong Sericitisation
		181.0 - 187.0	Pervasive Strong Silicification Pervasive Strong Sericitisation
187.0 - 211.2	MsS		Strongly bleached, finely banded gneiss rock. rock is composed primarily of quartz and feldspar in 1-2mm laminations. patchy zones of quartz vein material broken up within foliation. from 205.5-211.2, a green alteration is also present throughout the rock
		187.0 - 211.2	Pervasive Strong Silicification Pervasive Strong Sericitisation
211.2 - 216.6	YO	bx	Zone of angular elongate feldspar crystals or clasts, randomly oriented within a grey siliceous rock flour matrix. 1% of interval composed of broken up quartz vein material. 1% of clasts are carbonate-bearing
		211.2 - 230.0	Pervasive Strong Silicification
216.6 - 230.0	MsS		Similar to above felsic unit of quartz-feldspar foliated rock with laminar separation of qtz and feldspar, however in this unit the feldspar is wispy

Drill Log: CFD0441

Easting	584461.11	Hole Length	239m	Prospect	Supremo T3	Drill Started	Sep 07, 2014	Comment
Northing	6974875.81	Azimuth	270°	Target	Supremo Infill	Drill Completed	Sep 10, 2014	
Projection	UTM7-NAD83	Dip	-50°	Geologist	HWalsh	Core Size	NQ2	
Survey method	RTK GPS	Elevation	1193.36mASL					

Lithology and Alteration

Interval	Lith	Texture	Deformation	Comments
0.0 - 6.9	OVb			Gneissic boulders
		0.0 - 29.0	Replaces Felsics Moderate Clay	Patchy Strong Clay Patchy Weak Sericitisation
6.9 - 20.0	FG	band		Cream-grey mixed felsic gneiss, moderate felsic replacing to locally strong patchy clay alteration, weak patchy sericite. Oxidation is weak to moderate and disseminated, increasing downhole. 7cm milky quartz vein at 9.3m with a clay altered and broken upper contact. <50cm AmBtS lenses. Weak As-by xrf.
20.0 - 56.0	MxF	band		Zone. Orange to grey mixed felsic gneiss, moderately fractured. Possible fault zone? from 20m-24.9m, strong clay altered and moderately oxidized, weakly mineralized. Moderate to strong disseminated limonite oxidation preferentially oxidizing clay alteration, "brick red" patchy and fracture controlled hematite oxidation, patchy sooty sulphides from 28m-30m. Weak to moderate sericite alteration throughout.
		29.0 - 32.5	Replaces Felsics Moderate Clay	Patchy Strong Clay Patchy Weak Sericitisation
		32.5 - 34.8	Replaces Felsics Moderate Clay	Patchy Strong Clay Patchy Moderate Sericitisation
		34.8 - 38.1	Replaces Felsics Weak Clay	Patchy Strong Clay Patchy Moderate Sericitisation
		38.1 - 41.8	Pervasive Weak Silicification	Pervasive Weak Clay Patchy Moderate Sericitisation
		41.8 - 44.9	Replaces Felsics Moderate Clay	Patchy Strong Clay Patchy Moderate Sericitisation
		44.9 - 53.4	Replaces Felsics Moderate Clay	Fracture Controlled Intense Clay Patchy Moderate Sericitisation
		53.4 - 55.7	Pervasive Weak Clay	Patchy Moderate Sericitisation
		55.7 - 70.5	Patchy Weak Sericitisation	Patchy Weak Clay
56.0 - 113.2	FG	augn		Grey-green mixed augen gneiss, weak fracturing, generally cohesive core. Weak patchy to disseminated limonite and hematite oxidation, weak clay, chlorite and sericite alteration, all increasing to moderate downhole. minor pitting. minor lenses of Biotite-Chlorite-Carbonate schist. Mineralization is weak and intermittent.
		70.5 - 75.7	Replaces Felsics Moderate Clay	Patchy Moderate Sericitisation
		75.7 - 82.3	Patchy Moderate Sericitisation	Patchy Weak Calcite Pervasive Weak Clay
		82.3 - 89.9	Replaces Felsics Moderate Clay	Patchy Weak Sericitisation Patchy Weak Chlorite
		89.9 - 94.0	Pervasive Moderate Sericitisation	Replaces Felsics Moderate Clay Patchy Weak Chlorite
		94.0 - 98.2	Replaces Felsics Moderate Clay	Patchy Weak Sericitisation Patchy Weak Calcite
		98.2 - 103.9	Replaces Felsics Moderate Clay	Pervasive Moderate Sericitisation
		103.9 - 113.2	Replaces Felsics Moderate Clay	Patchy Weak Sericitisation Patchy Weak Silicification
113.2 - 115.9	MxF	band		Zone. Orange gneiss, strong limonite and hematite oxidation, strong pervasive clay alteration. Fractured and broken, Possible fault zone. Altered dike at 114.10m-114.65m - clay and limonite altered, protolith unknown - dacite?.
		113.2 - 115.9	Pervasive Moderate Clay	Patchy Strong Clay
115.9 - 142.3	BtS	lamn		Grey BtS, +muscovite, weakly limonite and hematite oxidized, moderately felsic-replacing clay and patchy sericite altered. minor melt zones from 115.2m-125m, partial loss of foliation possibly associated with dike intrusion.
		115.9 - 136.3	Pervasive Moderate Clay	Patchy Weak Sericitisation Pervasive Weak Silicification
		136.3 - 137.3	Pervasive Moderate Clay	Patchy Moderate Sericitisation
		137.3 - 142.2	Pervasive Moderate Clay	Patchy Weak Sericitisation
		142.2 - 144.1	Fracture Controlled Strong Clay	Pervasive Moderate Clay Patchy Weak Sericitisation
142.3 - 144.1	YO	bx		Grey clay altered chaotic clast supported angular medium grained monomictic gneiss sharp contact breccia

144.1 - 155.7	MxF	band	Grey to cream gneiss +/- augens, weak to moderate clay and sericite alteration, minor oxidation. Lenses of AmBtS. altered dacite dike at 154.0m-154.5m		
		144.1 - 152.8	Pervasive Weak Clay	Patchy Weak Sericitisation	Fracture Controlled Moderate Clay
		152.8 - 155.7	Pervasive Weak Clay	Patchy Weak Calcite	Patchy Weak Chlorite
155.7 - 158.3	MxF	band	Zone. Orange, highly hydrothermally altered gneiss, primary texture visible in most areas. Sharp oxidation front contacts.		
		155.7 - 158.5	Pervasive Strong Clay	Patchy Weak Sericitisation	
158.3 - 181.3	FG	band	Gneiss, as above. Grey, with moderate patchy clay alteration, moderate to strong patchy oxidation. Oxidation fronts visible. Fe preferentially oxidizing clay areas. Discrete zones of silicification and sericitisation from 165.2m - 169m. Fractures per meter increase downhole. Patchy mineralization.		
		158.5 - 163.3	Replaces Felsics Weak Clay	Patchy Weak Sericitisation	
		163.3 - 167.1	Pervasive Weak Clay	Patchy Strong Clay	Patchy Weak Sericitisation
		167.1 - 169.4	Patchy Moderate Silicification	Pervasive Weak Clay	Patchy Weak Sericitisation
		169.4 - 181.3	Pervasive Moderate Clay	Patchy Weak Sericitisation	
181.3 - 184.7	FLT	band	Broken rubbly felsic gneiss, strong fracture associated clay alteration. Probable fault zone. Minor As values		
		181.3 - 183.5	Pervasive Moderate Clay	Fracture Controlled Strong Clay	
		183.5 - 184.9	Pervasive Strong Clay		
184.7 - 191.5	Ylim	bx	Brecciated zone. Felsic gneiss with several zones of minor limonite matrix brecciation. Medium grained chaotic clast supported limonite +/- carb matrix gneissic breccias.		
		184.9 - 191.6	Pervasive Moderate Clay	Fracture Controlled Weak Calcite	Patchy Weak Sericitisation
191.5 - 192.6	FLT		Broken unconsolidated core, strong to intense hydrothermal alteration and oxidation. Minor areas of HU, gneissic texture still visible in some areas. Alteration is pervasive clay, oxidation is up to 4% disseminated limonite.		
		191.6 - 197.5	Pervasive Strong Clay	Fracture Controlled Intense Clay	
192.6 - 194.1	FLT		Broken core, bleached gneiss with minor fracture controlled oxidation, moderate to strong clay and sericite alteration.		
194.1 - 194.5	HU		White, unconsolidated intensely hydrothermally altered material, protolith is unrecognisable. Alteration is clays, sericite. No oxidation observed.		
194.5 - 197.6	HU		Zone. Orange HU, disseminated limonite up to 4%. Strong clay alteration. Unconsolidated and strongly fractured.		
		197.5 - 202.7	Pervasive Weak Clay	Patchy Weak Sericitisation	
197.6 - 202.6	FG	band	Grey felsic gneiss, oxidation is weak and fracture controlled. Alteration is weak pervasive clay and patchy sericite.		
202.6 - 204.4	HU		Zone. Orange HU, clay altered and strongly oxidized. Mineralized.		
		202.7 - 204.3	Pervasive Strong Clay		
		204.3 - 217.3	Pervasive Moderate Clay	Patchy Moderate Sericitisation	Pervasive Weak Silicification
204.4 - 231.2	FG	band	Felsic gneiss, grey, augen texture. Weak clay alteration, patchy and controlled moderate oxidation. Diorite dike at 209.8m-209.9m, preferentially oxidized. Subparallel tca quartz vein at 211m-213m, very minor limonite carbonate brecciation associated. Patchy to disseminated sooty sulphides from 217m-222m. Transitional lower contact with BtS_Carb.		
		217.3 - 221.8	Pervasive Moderate Silicification	Patchy Weak Clay	Patchy Moderate Sericitisation
		221.8 - 227.9	Replaces Felsics Moderate Clay	Patchy Moderate Silicification	
		227.9 - 239.0	Patchy Weak Clay		
231.2 - 239.0	BtS_carb	lamn	Biotite-chlorite-feldspar-calcite schist. Green to grey, weak to no oxidation, weak clay alteration. Strongly foliated weakly fractured generally cohesive core. <50cm lenses of felsic augen gneiss.		

Drill Log: CFD0442

Easting	582388.3	Hole Length	152m	Prospect	Latte	Drill Started	Sep 08, 2014	Comment	Well_ID: MW14-03B
Northing	6973196.66	Azimuth	0°	Target	2/2 BH3	Drill Completed	Sep 11, 2014		
Projection	UTM7-NAD83	Dip	-90°	Geologist	KGrodzicki	Core Size	HQ		
Survey method	RTK GPS	Elevation	1095.16mASL						

Litholoav and Alteration

Interval	Lith	Texture	Deformation	Comments
0.0 - 3.6	OVb			
3.6 - 13.7	HU	mass		Strongly oxidised, massive to local weak fracture breccia. Clasts are hydrothermally altered and supported by a limonite matrix. Clay rich with fault pug from 11.9 to 13.1 m.
		3.6 - 13.7	Patchy Weak Calcite	
13.7 - 15.7	PB	band		Alternating white-grey marble with weak foliation. Fracture controlled limonite forming a weak stockwork of veinlets.
		13.7 - 15.7	Pervasive Strong Calcite	
15.7 - 18.3	FLT	mass		Crumbly, broken up, clay rich fault pug. Strong carbonate alteration. Weak chlorite and sericite alteration.
		15.7 - 19.1	Pervasive Weak Chlorite	Patchy Weak Calcite
18.3 - 23.7	PB	band		Alternating white-grey marble with weak remnant patches of mxm (darker bands). Fracture controlled, weak limonite.
		19.1 - 23.7	Pervasive Strong Calcite	
23.7 - 30.7	MxM	band		Foliated mafic gneiss with augen present locally. Weak patchy carbonate alteration parallel to foliation. Fracture controlled limonite. Pervasive sericite alteration of biotite. Downhole contact with marble is sheared and shows ductile deformation. Secondary, coarse biotite growth with sericite alteration.
		23.7 - 30.7	Pervasive Weak Chlorite	Replaces Mafics Moderate Sericitisation
30.7 - 44.2	PB	band		White-grey marble with fracture controlled limonite. Local gneissose bands with limonite alteration. Patches of strong limonite alteration +- carbonate and locally brecciated. Irregular fine to medium grained clasts of marble supported in a limonite matrix, which is locally carbonate altered.
		30.7 - 44.2	Pervasive Strong Calcite	
44.2 - 46.6	PB	bx		White-grey marble with fracture controlled limonite. Crackle breccia with marble clast in a limonite matrix. Polymictic sub-angular to sub-rounded breccia with medium grained marble clasts and angular fine grained, grey (dacite?) clasts in a sericite altered matrix. Patches of limonite matrix supported breccia with fine grained, angular marble clasts.
		44.2 - 66.5	Pervasive Strong Calcite	Patchy Moderate Sericitisation
46.6 - 53.4	HU	bx		Hydrothermally altered. Monomictic, sub-angular to sub-rounded, fine to medium grained quartz clasts supported in a limonite matrix breccia. Local crackle breccia with limonite altered matrix. Weak pervasive carbonate alteration.
53.4 - 56.7	PB	band	Fol-wk	Banded white-grey marble with strongly altered limonite bands. Strong carbonate alteration.
56.7 - 57.8	HU	bx		Strongly limonite altered, fine grained monomictic, round marble clasts in a limonite supported matrix. Strong carbonate alteration.
57.8 - 70.2	PB	band		Alternating grey-white and brown limonite altered marble. Limonite alteration is interstitial, preferentially selecting bands in the marble. Patchy fracture controlled limonite is also present. Strong carbonate alteration through. Strong pervasive sericite alteration in 'fresh' white-grey marble. Local brecciation to grey marble with fine grained, rounded marble clasts supported by a sericite altered matrix.
		66.5 - 86.4	Pervasive Strong Calcite	
70.2 - 71.5	HU	bx		Fine-grained, rounded carbonate clasts supported in a limonite altered matrix.
71.5 - 85.8	PB	band		Banded white-grey marble with strongly limonite altered bands. Strong pervasive carbonate alteration. Patchy sericite alteration to

85.8 - 91.2	MxM	band	Fol-wk	Mafic gneiss with weak patchy carbonate alteration. Pervasive carbonate (marble) ceases. Minor bands of marble die out. Fracture controlled limonite and interstitial limonite alteration parallel to foliation. Carbonate veinlets cross cut foliation.	
		86.4 - 90.7	Patchy Weak Calcite	Replaces Mafics Moderate Sericitisation	
		90.7 - 92.0	Pervasive Strong Sericitisation		
91.2 - 100.6	IV	mass	Fine grained, dark mafic dyke. Locally bleached and with fine grained, pervasive sericite alteration. Fractures and carbonate veinlets with +- limonite and alteration halo. Uphole contact with schist is sheared and ductilely deformed with clay and sericite alteration. Local weak foliation to dyke, parallel to gneissic fabric. Down hole contact with gneiss is sharp with a subtle chilled margin.		
		92.0 - 94.9	Patchy Weak Calcite	Replaces Mafics Weak Sericitisation	
		94.9 - 97.0	Pervasive Strong Sericitisation		
		97.0 - 115.1	Patchy Weak Calcite	Replaces Mafics Weak Sericitisation	
100.6 - 111.7	MxM	band	Fol-wk	Mafic gneiss with minor thin bands of white marble. Fracture controlled limonite alteration and selective interstitial limonite replacement. Sericite alteration of biotite and foliation parallel quartz veins are locally boudinaged. Minor calcite veinlets.	
111.7 - 115.1	PB	band	Alternating bands of mafic gneiss and marble. Fracture controlled limonite and selective interstitial limonite replacement of marble / gneiss.		
		115.1 - 126.6	Patchy Weak Calcite	Replaces Mafics Weak Sericitisation	Patchy Weak Epidote
115.1 - 126.1	BtS	band	Fine grained BtS, with weak patchy carbonate alteration. White marble bands also present. Selective sericite replacement of biotite and patchy, selective epidote alteration in bands associated with carbonate rich bands. Weak fracture controlled limonite.		
126.1 - 130.5	BtS	band	Zone. Strongly oxidised with weak, patchy carbonate alteration. Fracture controlled limonite. Local stockwork of limonite fractures. Carbonate vein parallel to core axis present at 129.7m.		
		126.6 - 130.5	Patchy Weak Calcite	Fracture Controlled Weak Clay	
130.5 - 137.5	BtS	band	Patchy, weak fracture controlled oxidation / limonite alteration. Marble bands and weak patchy carbonate alteration in schist. Weak fracture controlled clay alteration.		
		130.5 - 140.6	Patchy Weak Calcite	Replaces Mafics Moderate Sericitisation	
137.5 - 152.0	BtS	band	Weak zone. Moderate oxidation / limonite alteration and patchy hematite alteration. Patchy carbonate alteration to schist and marble bands. Local weak stockwork veinlets are ductilely deformed. Local fine grained, rounded quartz clast, limonite matrix supported breccia.		
		140.6 - 151.2	Patchy Weak Calcite	Replaces Mafics Weak Sericitisation	
		151.2 - 152.0	Patchy Weak Calcite		

Drill Log: CFD0443

Easting	584517.5	Hole Length	302.6m	Prospect	Supremo T3	Drill Started	Sep 10, 2014	Comment
Northing	6974879.32	Azimuth	270°	Target	Supremo Infill	Drill Completed	Sep 13, 2014	
Projection	UTM7-NAD83	Dip	-50°	Geologist	HWalsh	Core Size	NQ2	
Survey method	RTK GPS	Elevation	1184.13mASL					

Litholoav and Alteration

Interval	Lith	Texture	Deformation	Comments
0.0 - 6.1	OVb			Augen gneiss rubble
		0.0 - 30.9	Pervasive Weak Silicification	Patchy Weak Chlorite Patchy Weak Sericitisation
6.1 - 35.3	FG	augn		Grey augen felsic gneiss. Well developed augens. Alteration is weak clay, patchy sericite. Oxidation is weak patchy and fracture controlled limonite and hematite. Up to 1m lenses of Biotite-Chlorite-Carbonate schist.
		30.9 - 54.1	Pervasive Weak Silicification	Patchy Weak Calcite Patchy Weak Sericitisation
35.3 - 39.7	BtS	lamn		Grey BtS, alteration is weak clay and patchy calcite, oxidation is weak hematite.
39.7 - 133.3	MxF	band		Grey felsic gneiss, with lenses of biotite schist <1m. Overall fresh felsic gneiss. Pervasive moderate silicification. Alteration is weak clay and chlorite, patchy weak sericite. Oxidation is patchy weak limonite and patchy moderate hematite. Clay alteration and limonite oxidation gradually increasing to moderate down hole. Open space quartz vein at 112.1m, clay and manganese altered.
		54.1 - 67.2	Pervasive Weak Silicification	Patchy Weak Clay Patchy Weak Sericitisation
		67.2 - 74.5	Replaces Felsics Moderate Clay	Patchy Weak Sericitisation
		74.5 - 87.5	Pervasive Weak Silicification	Patchy Weak Chlorite Patchy Weak Sericitisation
		87.5 - 93.3	Pervasive Moderate Silicification	Patchy Moderate Chlorite Patchy Weak Sericitisation
		93.3 - 110.6	Pervasive Weak Silicification	Patchy Weak Clay
		110.6 - 128.0	Pervasive Moderate Clay	Patchy Weak Sericitisation
		128.0 - 130.1	Pervasive Moderate Clay	Fracture Controlled Moderate Clay Patchy Weak Sericitisation
		130.1 - 133.3	Patchy Moderate Sericitisation	Patchy Weak Clay Patchy Moderate Silicification
133.3 - 170.9	MxF	band		Weak zone. Tan felsic gneiss, lenses of BtS <0.5m. Weak clay alteration replaces felsics. Weak to moderate patchy oxidation. Tca 50 @150.2 faults with minor gouge.
		133.3 - 137.9	Pervasive Moderate Clay	Patchy Weak Sericitisation
		137.9 - 139.8	Pervasive Moderate Silicification	Fracture Controlled Weak Clay Patchy Weak Sericitisation
		139.8 - 144.1	Pervasive Moderate Clay	Patchy Weak Sericitisation
		144.1 - 148.5	Patchy Strong Clay	Replaces Felsics Moderate Clay Patchy Weak Sericitisation
		148.5 - 162.8	Fracture Controlled Moderate Clay	Replaces Felsics Weak Clay Patchy Weak Sericitisation
		162.8 - 166.2	Pervasive Weak Clay	Pervasive Moderate Sericitisation Pervasive Weak Silicification
		166.2 - 168.0	Pervasive Moderate Silicification	Replaces Mafics Weak Chlorite Patchy Weak Calcite
		168.0 - 170.8	Pervasive Moderate Clay	Patchy Weak Silicification Patchy Weak Sericitisation
		170.8 - 181.9	Pervasive Moderate Silicification	Replaces Mafics Weak Chlorite Patchy Weak Calcite
170.9 - 182.1	MxF	band		Grey-pink felsic dominated gneiss, pervasive moderate silicification, oxidation is weak hematite staining, minor limonite on fracture faces. Generally fresh rock as above.
		181.9 - 188.5	Pervasive Moderate Clay	Replaces Mafics Moderate Chlorite Patchy Moderate Silicification
182.1 - 192.3	MxF	band		Tan felsic gneiss, weak pervasive clay alteration, patchy sericite. Oxidation is weakly disseminated, strong in patches. 2cm ylim at 191.91m-191.93m.
		188.5 - 192.4	Pervasive Moderate Clay	Patchy Weak Chlorite Patchy Weak Sericitisation

192.3 - 206.6	MxF	band	Grey-pink gneiss as above. Alteration is moderate chlorite, patchy sericite, minor calcite (veins). Moderately silicified. Chlorite is patchy and veins.		
192.4 - 206.6		Vein Selvege	Moderate Chlorite	Patchy Weak Calcite	Pervasive Moderate Silicification
206.6 - 209.1	FLT	Zone. Orange felsic gneiss, strongly fractured and broken. Probable fault zone. Moderate disseminated oxidation. Alteration is strong clay.			
206.6 - 208.9		Pervasive	Moderate Clay	Patchy Weak Sericitisation	
208.9 - 212.2		Pervasive	Weak Clay	Pervasive Weak Silicification	Patchy Weak Chlorite
209.1 - 216.7	MxM	band	Grey-Pink felsic gneiss. Strongly fractured. Strong to intense clay alteration - only clay and silica in discrete zones. Lenses of BtS, preferentially clay altered but maintaining schistose texture and typical chlorite.		
212.2 - 215.8		Pervasive	Moderate Clay	Fracture Controlled Strong Clay	Pervasive Weak Silicification
215.8 - 219.3		Pervasive	Intense Clay	Patchy Moderate Chlorite	
216.7 - 229.0	FLT	Fault zone, intensely clay altered, sand in some areas. Unconsolidated. Fault zone encompasses numerous alteration and oxidation facies, weak to intense patchy limonite, moderate to intense clay pervasive alteration.			
219.3 - 224.0		Pervasive	Intense Clay		
224.0 - 225.1		Pervasive	Moderate Clay	Patchy Weak Sericitisation	Pervasive Weak Silicification
225.1 - 233.1		Fracture Controlled	Intense Clay	Patchy Weak Sericitisation	
229.0 - 247.6	MxF	band	Zone. Orange gneiss, strong to patchily intense clay alteration, strong limonite oxidation up to 6%. Strongly fractured.		
233.1 - 234.7		Pervasive	Strong Clay	Patchy Weak Sericitisation	
234.7 - 237.0		Pervasive	Strong Clay	Fracture Controlled Strong Clay	Pervasive Moderate Sericitisation
237.0 - 242.8		Pervasive	Intense Clay		
242.8 - 245.3		Pervasive	Moderate Clay	Pervasive Weak Sericitisation	
245.3 - 250.1		Pervasive	Strong Clay		
247.6 - 247.7	Ycarb	bx	Orange medium grained polymict sub angular chaotic Fe-Carb matrix clast supported breccia		
247.7 - 248.5	MxF	band	Zone, orange gneiss as above breccia		
248.5 - 248.8	FC	fgrn	Zone. Altered dacite dike. Alteration is strong pervasive clay, moderate carbonate. oxidation is patchy to disseminated fe-carb, disseminated sooty sulphides.		
248.8 - 249.0	YS	bx	Zone. medium grained chaotic polymict fe-carb matrix sub-rounded clast supported gneiss dacite breccia		
249.0 - 257.2	FC	fgrn	Zone. Dacite dike as above breccia.		
250.1 - 253.0		Pervasive	Strong Clay	Patchy Intense Clay	
253.0 - 264.4		Pervasive	Moderate Clay	Patchy Strong Clay	
257.2 - 261.2	YS	lamn	Zone clast supported poly mict sub angular irregular contact breccia		
261.2 - 264.3	MxF	band	Zone. Orange -grey felsic dominated gneiss. Strongly altered, clay and quartz remaining. Oxidation is strong limonite.		
264.3 - 266.7	Ylim	bx	limonite altered irregular contact medium grained sub angular chaotic breccia		
264.4 - 266.7		Pervasive	Strong Clay	Fracture Controlled Strong Clay	
266.7 - 275.0	FC	fgrn	Dacite dike, continued as above. Alteration is strong to intense clay, some areas are unconsolidated. Oxidation is disseminated limonite up to 6%.		
266.7 - 275.8		Pervasive	Intense Clay		
275.0 - 275.5	Ylim	bx	limonite altered breccia dacite sub rounded clast supported irregular contact breccia		
275.5 - 278.1	YS	bx	polymict breccia clast supported sub rounded sulphide matrix medium grained rock flour matrix chaotic fit		
275.8 - 283.4		Pervasive	Moderate Clay		
278.1 - 287.1	MxF	band	Zone. Grey felsic dominated gneiss, alteration is moderate, oxidation is moderate. Alteration is pervasive clay and patchy sericite. Calcite veining. Oxidation is patchy and fracture controlled limonite with disseminated sooty sulphides.		
283.4 - 302.6		Pervasive	Moderate Clay	Fracture Controlled Strong Clay	Patchy Moderate Sericitisation
287.1 - 302.6	MxF	band	Grey-pink felsic gneiss, alteration is moderate, oxidation is weak. Alteration is predominately clay, with minor patchy sericite. Oxidation is weak fracture controlled limonite and weak hematite staining.		

Drill Log: CFD0444

Easting	579708.14	Hole Length	221m	Prospect	Kona	Drill Started	Sep 11, 2014	Comment	Well_ID: MW14-05A
Northing	6972997.94	Azimuth	0°	Target	Hydro 1/2 BH11	Drill Completed	Sep 15, 2014		
Projection	UTM7-NAD83	Dip	-90°	Geologist	KGrodzicki	Core Size	HQ		
Survey method	RTK GPS	Elevation	1268.5mASL						

Lithology and Alteration

Interval	Lith	Texture	Deformation	Comments
0.0 - 2.9	OVB			
2.9 - 107.5	GG	cgrn		Coarse grained, pink-grey granite. Fresh unaltered K-spar, plag with weak local clay alteration, coarse grained, fresh biotite. Local, patchy, weak limonite staining.
		2.9 - 107.5	Replaces Clasts Weak Clay	Replaces fspar
107.5 - 108.3	IV	phyr		Fresh andesite intrusion.
		107.5 - 108.3	Patchy Weak Clay	Patchy Weak Sericitisation Pervasive Weak Silicification
108.3 - 166.6	GG	cgrn		Coarse grained, grey-pink granite. Noticably less K-spar. Predominantly fresh and unaltered with patchy fracture controlled limonite alteration limited to small haloes around fractures.
		108.3 - 166.6	Replaces Clasts Weak Clay	
166.6 - 170.7	GG	cgrn		Weak zone. Weakly oxidised and limonite altered granite. Lack of Kspar. Feldspars are clay altered.
		166.6 - 170.7	Replaces Clasts Moderate Clay	
170.7 - 178.1	GG	cgrn		Leucocratic granite with weak patchy limonite and clay alteration.
		170.7 - 178.1	Replaces Clasts Weak Clay	Replaces Clasts Weak Chlorite
178.1 - 182.7	GG	cgrn		Zone. Moderately oxidised and limonite altered. Fracture controlled limonite and clay alteration. Clay alteration to feldspars. Selective replacement of minor biotite.
		178.1 - 182.7	Replaces Clasts Strong Clay	
182.7 - 183.7	GG	cgrn		Coarse grained grey-pink granite. Low biotite content. Weak clay and chlorite alteration.
		182.7 - 183.7	Replaces Clasts Weak Clay	Replaces Clasts Weak Chlorite
183.7 - 185.5	GG	cgrn		Weak zone. Fracture controlled limonite with weak to moderate oxidation. Clay and chlorite replacement of feldspars.
		183.7 - 211.3	Replaces Clasts Moderate Clay	Replaces Clasts Weak Chlorite
185.5 - 221.0	GG	cgrn		Coarse grained granite with patchy replacement of feldspars by clay and chlorite.
		211.3 - 212.3	Fracture Controlled Strong Clay	
		212.3 - 221.0	Replaces Clasts Weak Clay	Replaces Clasts Weak Chlorite

Drill Log: CFD0445

Easting	584555.77	Hole Length	272m	Prospect	Supremo T4-5	Drill Started	Sep 12, 2014	Comment
Northing	6974623.4	Azimuth	267°	Target	Supremo Infill	Drill Completed	Sep 14, 2014	
Projection	UTM7-NAD83	Dip	-51°	Geologist	KGrodzicki	Core Size	NQ2	
Survey method	RTK GPS	Elevation	1220.37mASL					

Lithology and Alteration

Interval	Lith	Texture	Deformation	Comments
0.0 - 2.6	OVB			
2.6 - 38.4	MxF	band	Fol-wk	Mixed gneiss. Sericite altered biotite. Interstitial hematite, fracture controlled limonite. Irregular qtz-carb veins (~1cm) parallel to foliation. Weak patchy silicification. 32.24 - 32.5 m fault zone, broken, crumbled rock.
		2.6 - 38.4	Replaces Mafics Moderate Sericitisation	Patchy Weak Silicification
38.4 - 40.0	BtS	mass		Strongly sericite-clay altered biotite schist band. Weak, crumbly, possible slippage plane
		38.4 - 40.0	Pervasive Strong Clay	Pervasive Moderate Sericitisation
40.0 - 44.9	MxF	band	Fol-wk	Mixed gneiss with mafic bands, sericite altered biotite, interstitial hematite and fracture controlled limonite.
		40.0 - 81.0	Replaces Mafics Moderate Sericitisation	Patchy Weak Silicification Pervasive Weak Calcite
44.9 - 78.7	FG	band	Fol-wk	Felsic gneiss with quartz and feldspar eyes. Sericite and muscovite altered biotite. Interstitial hematite and fracture controlled limonite. Weak, pervasive interstitial carbonate alteration.
78.7 - 139.8	MxF	band	Fol-wk	Mixed felsic gneiss with mafic bands. Weak, pervasive carbonate alteration, predominantly to gneissose bands. Interstitial hematite and weak fracture controlled limonite. Clay altered fractures and carb veins in interval 98.78 m to 110.6 m. Sericite and muscovite alteration to biotite and chlorite alteration to mafic bands.
		81.0 - 84.7	Pervasive Moderate Clay	Pervasive Weak Sericitisation Pervasive Weak Calcite
		84.7 - 98.8	Replaces Mafics Moderate Sericitisation	Pervasive Weak Calcite
		98.8 - 110.6	Patchy Moderate Clay	Pervasive Moderate Sericitisation Pervasive Weak Calcite
		110.6 - 123.7	Replaces Mafics Moderate Sericitisation	Pervasive Weak Calcite
		123.7 - 131.8	Pervasive Moderate Clay	Replaces Mafics Weak Sericitisation
		131.8 - 170.6	Replaces Mafics Moderate Sericitisation	Pervasive Weak Calcite Replaces Mafics Weak Chlorite
139.8 - 141.1	MxF	band		Weak zone. Moderately oxidised with strong limonite alteration. Foliation visible. Muscovite and sericite alteration of biotite. Interstitial limonite alteration. Weak clay alteration.
141.1 - 170.6	MxF	band	Fol-wk	Mixed felsic gneiss with mafic bands. Sericite-muscovite alteration to biotite, interstitial hematite and fracture controlled limonite. Chlorite alteration to mafic. Feldspars locally clay altered. Patchy carbonate alteration, particularly to mafic component.
170.6 - 170.9	HU	mass		Narrow zone. Strongly oxidised, hydrothermally altered rock. Sericite and muscovite alteration. Strong limonite and clay alteration.
		170.6 - 170.9	Pervasive Strong Clay	Pervasive Weak Sericitisation
170.9 - 208.6	MxF	band	Fol-wk	Mixed felsic gneiss with mafic bands. Sericite alteration of biotite and chlorite alteration to mafic. Patchy clay alteration of feldspars. Weak pervasive calcite alteration to mafic bands.
		170.9 - 208.6	Replaces Mafics Moderate Sericitisation	Replaces Mafics Weak Calcite Replaces Mafics Weak Chlorite
208.6 - 246.4	MxF	band	Fol-wk	Patchy weak oxidation and limonite alteration. Sericite altered biotite and fracture controlled clay alteration. Irregular quartz veining (~2cm). Patchy weak silicification-sericitization and patchy alteration of feldspar to clay.
		208.6 - 249.4	Fracture Controlled Moderate Clay	Replaces Mafics Weak Sericitisation Replaces Mafics Weak Chlorite
246.4 - 249.4	DIOR	mass		Mass, fine grained mafic dyke. Fracture controlled limonite.

249.4 - 251.0	HU	bx	Bleached, hydrothermally altered rock, weak brecciated texture - strong hydrothermally altered clasts supported in a white clay matrix. Patchy strong carboante alteration. Sooty pyrite stringers.			
		249.4 - 251.0	Pervasive Strong Clay	Patchy Strong Calcite		
251.0 - 272.0	MxF	band	Fol-wk	Mixed felsic gneiss with mafic bands. Sericite alteration of biotite and chlorite alteration to mafic bands. Fracture controlled limonite.		
		251.0 - 272.0	Replaces Mafics Moderate Sericitisation	Replaces Mafics Weak Calcite	Replaces Mafics Weak Chlorite	

Drill Log: CFD0446

Easting	581300.51	Hole Length	30.2m	Prospect	Heap Leach	Drill Started	Sep 12, 2014	Comment	No samples
Northing	6971160.16	Azimuth	0°	Target	Geotechnical	Drill Completed	Sep 13, 2014		
Projection	UTM7-NAD83	Dip	-90°	Geologist	KP	Core Size	HQ		
Survey method	RTK GPS	Elevation	1089.57mASL						

Lithology and Alteration

Interval	Lith	Texture	Deformation	Comments
0.0 - 6.7	OVB			
		0.0 - 17.2	Replaces Mafics Moderate Clay	
6.7 - 10.0	GG	cgrn		Grey, moderate alteration, weak oxidation. Alteration is moderate to strong pervasive clay. Oxidation is weak and disseminated. Strongly fractured and "crumbly"
10.0 - 17.6	BtS	lamn		Grey to brown biotite-chlorite-feldspar schist. Moderate alteration and oxidation. Alteration is biotite-replacing clay. Oxidation is moderate disseminated limonite.
		17.2 - 20.0	Pervasive Weak Clay	Patchy Weak Sericitisation
17.6 - 30.2	GG	cgrn		Grey coarse grained granite. Weak to moderate fracturing. Alteration is very weak biotite-replacing clay and moderate pervasive sericite. Oxidation is patchy and fracture related.
		20.0 - 24.5	Pervasive Moderate Sericitisation	
		24.5 - 30.2	Replaces Mafics Weak Clay	Pervasive Moderate Sericitisation Pervasive Moderate Silicification

Drill Log: CFD0447

Easting	584517.54	Hole Length	281m	Prospect	Supremo T3	Drill Started	Sep 13, 2014	Comment
Northing	6974873.61	Azimuth	271°	Target	Supremo Infill	Drill Completed	Sep 16, 2014	
Projection	UTM7-NAD83	Dip	-50°	Geologist	HWalsh	Core Size	NQ2	
Survey method	RTK GPS	Elevation	1184.03mASL					

Lithology and Alteration

Interval	Lith	Texture	Deformation	Comments
0.0 - 4.3	OVb			Gneiss rubble
		0.0 - 8.2	Pervasive Moderate Silicification	Patchy Weak Sericitisation
4.3 - 8.2	FG	augn		Grey felsic gneiss, strong augen texture. Moderate silica flooding. Alteration is weak patchy clay and sericite. Oxidation is very weak disseminated limonite and hematite staining.
8.2 - 8.3	Ycarb	bxi		weakly brecciated carbonate limonite matrix, clast supported angular country rock monomictic clast irregular contact
		8.2 - 8.3	Fracture Controlled Moderate Clay	
8.3 - 31.3	FG	augn		Grey felsic gneiss as above.
		8.3 - 30.3	Pervasive Moderate Silicification	Patchy Weak Sericitisation
		30.3 - 40.2	Pervasive Moderate Silicification	Pervasive Weak Clay Patchy Weak Calcite
31.3 - 40.2	BtS	lamn		Biotite-feldspar schist with chlorite and calcite. Weakly laminated. Pink quartz.
40.2 - 134.1	FG	augn		Grey felsic gneiss, with lenses of biotite schist <1m. Overall fresh felsic gneiss. Pervasive moderate silicification. Alteration is weak clay, chlorite, patchy weak sericite. Oxidation is patchy weak limonite and patchy moderate hematite. Clay alteration and limonite oxidation gradually increasing to moderate down hole.
		40.2 - 44.3	Pervasive Moderate Silicification	Vein Selvege Moderate Chlorite Patchy Weak Sericitisation
		44.3 - 55.9	Pervasive Moderate Silicification	Patchy Weak Sericitisation
		55.9 - 63.0	Pervasive Moderate Silicification	Patchy Weak Sericitisation Patchy Weak Calcite
		63.0 - 66.7	Pervasive Moderate Silicification	Replaces Felsics Weak Clay Patchy Weak Sericitisation
		66.7 - 68.5	Pervasive Moderate Clay	
		68.5 - 75.0	Pervasive Moderate Silicification	Patchy Moderate Sericitisation Patchy Weak Clay
		75.0 - 79.2	Pervasive Moderate Silicification	Patchy Weak Sericitisation Fracture Controlled Weak Clay
		79.2 - 86.8	Pervasive Moderate Silicification	Patchy Weak Sericitisation Patchy Weak Calcite
		86.8 - 97.0	Pervasive Moderate Silicification	Patchy Moderate Sericitisation Patchy Weak Chlorite
		97.0 - 100.0	Pervasive Weak Clay	Patchy Weak Sericitisation Patchy Weak Calcite
		100.0 - 110.3	Pervasive Moderate Silicification	Patchy Weak Sericitisation Patchy Moderate Chlorite
		110.3 - 125.1	Pervasive Moderate Clay	Pervasive Weak Silicification Patchy Weak Chlorite
		125.1 - 134.6	Pervasive Strong Silicification	Patchy Moderate Sericitisation Pervasive Moderate Clay
134.1 - 143.8	MxF	band		Weak zone. Felsic gneiss, with increased alteration and oxidation. moderate to strong silicification. Alteration is felsic-replacing clay, weak patchy sericite. Oxidation is weak to moderate disseminated limonite. Mineralization is diffuse, increasing down hole. fractures increase down hole, minor fault with gouge at 127.25m.
		134.6 - 139.1	Pervasive Moderate Clay	Patchy Weak Sericitisation
		139.1 - 147.9	Pervasive Moderate Clay	Patchy Weak Sericitisation Fracture Controlled Strong Clay
143.8 - 145.2	FLT			Tan gneiss, highly fractured. Strong fracture controlled clay and patchy weak sericite.

145.2 - 211.0	MxF	band	Tan gneiss, moderate fracturing, oxidation and alteration. Alteration is pervasive clay, strong in patches. patchy sericite and calcite, mafic-replacing chlorite. Oxidation is disseminated limonite 1%, patchy weak hematite. Calcite veining. Weak and patchy mineralization. partial melt loss of foliation from 169.5m-170.3m. ductile deformation from 172.3-173m, very weak mylonite.		
		147.9 - 152.2	Pervasive Moderate Clay	Patchy Weak Sericitisation	
		152.2 - 154.3	Pervasive Moderate Clay	Patchy Weak Sericitisation	Fracture Controlled Strong Clay
		154.3 - 161.4	Pervasive Moderate Clay	Patchy Weak Sericitisation	
		161.4 - 167.1	Pervasive Moderate Clay	Patchy Weak Sericitisation	Replaces Mafics Weak Chlorite
		167.1 - 172.3	Pervasive Weak Clay	Pervasive Moderate Silicification	Patchy Weak Sericitisation
		172.3 - 173.0	Pervasive Strong Sericitisation	Pervasive Moderate Clay	
		173.0 - 184.5	Pervasive Weak Clay	Patchy Moderate Silicification	Patchy Weak Sericitisation
		184.5 - 186.8	Pervasive Weak Clay	Patchy Weak Sericitisation	Patchy Weak Calcite
		186.8 - 188.8	Pervasive Moderate Silicification	Patchy Weak Clay	Patchy Weak Chlorite
		188.8 - 192.6	Pervasive Moderate Clay	Patchy Strong Clay	Patchy Weak Chlorite
		192.6 - 200.2	Pervasive Moderate Silicification	Patchy Weak Clay	Patchy Moderate Calcite
		200.2 - 203.1	Pervasive Strong Clay	Replaces Mafics Weak Chlorite	Patchy Weak Sericitisation
		203.1 - 210.8	Pervasive Moderate Clay	Patchy Weak Sericitisation	Replaces Mafics Moderate Chlorite
		210.8 - 218.3	Pervasive Strong Clay	Patchy Intense Clay	
211.0 - 213.0	FLT	Weak zone. Orange gneiss faulted zone, highly fractured to unconsolidated. Alteration is strong clay, oxidation is disseminated limonite and hematite.			
213.0 - 220.5	MxF	band	Zone. Red gneiss, highly fractured, strong to intense clay alteration. Primary mineral fabric remains. Oxidation is strong to intense limonite and hematite		
		218.3 - 223.5	Pervasive Intense Clay		
220.5 - 222.2	FLT	Zone. Orange gneiss. Fault zone, heavily fractured, altered and oxidized rock. Unconsolidated. Alteration is strong to intense clay, only clay and silica remain. Oxidation is strong disseminated limonite, moderate disseminated hematite			
222.2 - 234.3	MxF	band	Zone. Orange-"brick red" gneiss, strong alteration, strong oxidation up to 3% limonite, 3% hematite. Alteration is pervasive and fracture controlled clay and patchy sericite.		
		223.5 - 227.6	Pervasive Strong Clay	Patchy Weak Sericitisation	
		227.6 - 237.2	Pervasive Moderate Clay	Patchy Weak Sericitisation	Patchy Moderate Silicification
234.3 - 234.5	Ylim	bxi	Medium grained sub angular chaotic limonite rock flour matrix sharp contact gneiss breccia		
234.5 - 240.0	MxF	band	Zone. Orange gneiss, moderate fracturing, moderate alteration, moderate oxidation. Alteration is pervasive and fracture controlled clay and patchy sericite. Oxidation is primarily limonite, patchy hematite.		
		237.2 - 239.9	Pervasive Strong Clay		
		239.9 - 246.1	Pervasive Strong Clay	Pervasive Moderate Silicification	
240.0 - 243.3	FC	mgrn	Dacite dyke, medium to fine grained with manganese-hematite phenocrysts (?). weakly foliated at contacts, chill margins. Alteration is clay, calcite, sericite. Oxidation is strong and patchy limonite, patchy disseminated sooty sulphides.		
243.3 - 243.5	Ycarb	chaotic matrix supported limonite altered carbonate matrix rounded gneiss breccia			
243.5 - 247.1	FC	fgrn	Dacite as above breccia		
		246.1 - 249.4	Pervasive Strong Clay		
247.1 - 249.3	MxF	band	Clast (?) of felsic gneiss within dacite dyke. Alteration is strong pervasive clay - clay and silica remain. Oxidation is strong disseminated limonite and strong patchy hematite.		
249.3 - 252.1	FC	fgrn	Grey-orange fine grained dacite. Oxidation is strong patchy limonite/hematite, patchy disseminated sooty sulphides. Alteration is moderate pervasive clay and weak patchy calcite. Moderately silicified.		
		249.4 - 252.0	Pervasive Moderate Clay	Pervasive Moderate Silicification	
		252.0 - 252.9	Pervasive Moderate Clay	Pervasive Weak Silicification	Patchy Weak Sericitisation
252.1 - 257.4	MxF	band	Grey felsic gneiss. Alteration is moderate clay, sericite. Oxidation is moderate limonite, patchy sooty sulphides		
		252.9 - 256.5	Pervasive Moderate Clay	Pervasive Moderate Silicification	
		256.5 - 258.8	Pervasive Strong Silicification	Pervasive Moderate Clay	Patchy Weak Sericitisation

257.4 - 265.7	FLT		Unconsolidated core. Gneiss-dacite contact at approximately 258.7m. Alteration is strong to intense clay. Oxidation is strong to intense hematite and limonite.	
		258.8 - 260.4	Pervasive Moderate Clay	
		260.4 - 265.7	Pervasive Strong Clay	
265.7 - 268.3	FC	fgrn	Grey fine grained dacite. Oxidation is patchy limonite and sooty sulphides. Alteration is pervasive moderate clay.	
		265.7 - 268.3	Pervasive Moderate Clay	
		268.3 - 269.1	Fracture Controlled Strong Clay	Patchy Moderate Calcite
268.3 - 269.0	Ycarb	bxi	Immature breccia. Limonite carbonate matrix clast supported medium grained gneiss breccia.	
269.0 - 269.5	FG	band	Clast of felsic gneiss within dacite dyke(?). Alteration is strong pervasive clay. Oxidation is strong disseminated limonite.	
		269.1 - 270.7	Pervasive Strong Clay	Patchy Moderate Calcite
269.5 - 271.7	FC	fgrn	Felsic dacite dike, as above.	
		270.7 - 273.0	Pervasive Moderate Clay	Patchy Moderate Calcite
271.7 - 272.9	FLT		strongly fractured broken zone. Clay alteration is moderate and pervasive. Oxidation is moderate and disseminated.	
272.9 - 275.4	FC	fgrn	Felsic dacite dike as above, slightly foliated near MXM contact. Chill margin	
		273.0 - 281.0	Patchy Moderate Clay	Pervasive Moderate Silicification Patchy Moderate Calcite
275.4 - 275.5	YS	bx	Sharp contact medium grained matrix supported sooty sulphide oxidized sub rounded chaotic dacite breccia.	
275.5 - 281.0	MxM	band	Mafic gneiss. Banded to lamn. Alteration is patchy clay, sericite, chlorite, calcite. Oxidization is very weak fracture controlled limonite, patchy hematite.	

Drill Log: CFD0448

Easting	581123.68	Hole Length	30.5m	Prospect	Heap Leach	Drill Started	Sep 13, 2014	Comment	No sampling
Northing	6971270.22	Azimuth	0°	Target	Geotechnical	Drill Completed	Sep 13, 2014		
Projection	UTM7-NAD83	Dip	-90°	Geologist	HWalsh	Core Size	HQ		
Survey method	RTK GPS	Elevation	1119.76mASL						

Lithology and Alteration

Interval	Lith	Texture	Deformation	Comments
0.0 - 4.0	OVB			
		0.0 - 11.6	Pervasive Intense Clay	
4.0 - 11.6	GG	cgrn		Grey granite. Intense clay alteration, only clay and silica remain. Unconsolidated zone. Oxidation is weak and disseminated.
11.6 - 17.5	GG	cgrn		Pink to cream granite. Moderately fractured. Moderate clay alteration, strong in fractures, weak sericite alteration. Oxidation is weak pervasive hematite staining.
		11.6 - 15.2	Pervasive Strong Clay	Patchy Weak Sericitisation
		15.2 - 16.8	Pervasive Weak Clay	Pervasive Weak Silicification Patchy Weak Sericitisation
		16.8 - 20.0	Pervasive Intense Clay	
17.5 - 20.0	GG	cgrn		Grey granite. Strongly fractured. Strong to intense clay alteration. Unconsolidated zone. Oxidation is weak to moderate and patchy to disseminated.
20.0 - 30.5	GG	cgrn		Cream, coarse grained quartz-feldspar-biotite. Strong patchy clay alteration, oxidation weak and patchy, stronger in clay altered areas.
		20.0 - 30.5	Pervasive Moderate Clay	Patchy Moderate Sericitisation Patchy Intense Clay

Drill Log: CFD0449

Easting	580989.11	Hole Length	30.7 m	Prospect	Heap Leach	Drill Started	Sep 14, 2014	Comment	No sampling
Northing	6971065.59	Azimuth	0°	Target	Geotechnical	Drill Completed	Sep 14, 2014		
Projection	UTM7-NAD83	Dip	-90°	Geologist	KGrodzicki	Core Size	HQ		
Survey method	RTK GPS	Elevation	1123.63mASL						

Lithology and Alteration

Interval	Lith	Texture	Deformation	Comments
0.0 - 3.5	OVB			
		0.0 - 30.7	Replaces Clasts	Moderate Clay
3.5 - 30.7	GG	cgrn		Clay altered coarse grained granite with weak fracture controlled limonite. Abundant fractures perpendicular to core axis.

Drill Log: CFD0450

Easting	584171.66	Hole Length	155m	Prospect	Supremo T1-2	Drill Started	Sep 15, 2014	Comment
Northing	6974678.22	Azimuth	274°	Target	Supremo Infill	Drill Completed	Sep 15, 2014	
Projection	UTM7-NAD83	Dip	-50°	Geologist	KGrodzicki	Core Size	NQ2	
Survey method	RTK GPS	Elevation	1258.14mASL					

Litholoav and Alteration

Interval	Lith	Texture	Deformation	Comments
0.0 - 5.2	OVb			
5.2 - 14.7	MxF	band	Fol-wk	Weak zone. Weakly oxidised and weak limonite alteration to fractures and interstitial network. Pervaisve fracture controlled clay alteration and clay alteration to feldspars. Sericite-muscovite alteration to biotite.
		5.2 - 14.7	Pervasive Moderate Clay	Replaces Mafics Moderate Sericitisation
14.7 - 26.0	MxF	band	Fol-wk	Mixed gneiss with mafic bands. Patchy sericite alteration to biotite, chlorite alteration to mafic bands. Strong sericite alteration to mafic bands. Qtz-fspar eyes in gneiss locally.
		14.7 - 26.0	Replaces Mafics Moderate Sericitisation	Patchy Weak Silicification Replaces Mafics Moderate Chlorite
26.0 - 32.3	MxF	band	Fol-wk	Weak zone. Weakly oxidised and weak limonite alteration. Pervasive strong clay alteration to mafic bands and sericite and clay alteration to feldspars. Fracture controlled and interstitial limonite alteration. Patchy, weak silicification to gneiss. Sericite-muscovite alteration to biotite.
		26.0 - 32.3	Replaces Mafics Strong Clay	Replaces Mafics Moderate Sericitisation Patchy Weak Silicification
32.3 - 40.4	MxF	band	Fol-wk	Mixed felsic gneiss. Mafic bands strongly clay altered. Qtz-fspar eyes. Sericite alteration to biotite. Muscovite present in mafic bands. Interstitial hematite.
		32.3 - 40.4	Replaces Mafics Moderate Sericitisation	Replaces Mafics Strong Clay Replaces Mafics Weak Chlorite
40.4 - 44.0	MxF	band	Fol-wk	Weak zone. Weak oxidised and weak interstitial limonite alteration leading in to HU zone.
		40.4 - 44.0	Pervasive Weak Clay	Replaces Mafics Moderate Sericitisation
44.0 - 45.7	HU	mass		Zone. Strongly oxidised, no texture visible, strongly clay altered.
		44.0 - 45.7	Pervasive Intense Clay	
45.7 - 64.0	MxF	band	Fol-wk	Weak zone. Weakly oxidised and weak interstitial and fracture controlled limonite. Strongly clay altered feldspars. Sericite altered biotite. Locally bleached.
		45.7 - 64.0	Replaces Clasts Strong Clay	Replaces Mafics Moderate Sericitisation
64.0 - 69.3	FG	band	Fol-wk	Felsic gneiss with locally well defined qtz-fspar augen. Patchy feldspars clay altered and limonite stained. Local sericite-muscovite alteration to biotite.
		64.0 - 69.3	Replaces Clasts Weak Clay	Replaces Mafics Weak Sericitisation
69.3 - 98.5	MxF	band	Fol-wk	Weak zone. Weakly oxidised and weak fracture controlled and interstitial limonite alteration. Clay replaced feldspars. Local interstitial hematite. Dentrtrial manganese on fracture surfaces.
		69.3 - 98.5	Replaces Clasts Moderate Clay	Replaces Mafics Moderate Sericitisation
98.5 - 98.7	HU	mass		Zone. Narrow zone of intensely hydrothermally altered rock. Strongly oxidised, no texture, intense clay alteration.
		98.5 - 98.7	Pervasive Intense Clay	
98.7 - 120.4	MxF	band	Fol-wk	Weak zone. Weakly oxidised and interstitial limonite alteration. Clay replaced feldspars and sericite alteration to biotite. Patchy, weak silicification.
		98.7 - 120.4	Replaces Clasts Moderate Clay	Replaces Mafics Moderate Sericitisation

120.4 - 123.1	HU	bx	Zone. Weakly to moderately oxidised, local intense hydrothermal alteration with massive texture. Weak brecciation, monomictic consisting of silica clasts in a silicified limonite matrix. Associated felsic dyke.		
		120.4 - 123.1	Pervasive Strong Clay		
123.1 - 135.3	MxF	band	Fol-wk	Weak zone. Weakly to moderately oxidised. Limonite altered fractures and interstitial limonite. Patchy silicification and sericite alteration to biotite. 130.18 to 130.5, weakly brecciated and hydrothermally altered rock. Monomictic, silicified clasts supported in a limonite matrix.	
		123.1 - 135.3	Replaces Clasts Moderate Clay	Replaces Mafics Moderate Sericitisation	
135.3 - 155.0	FG	band	Fol-wk	Fresh felsic gneiss. Weak, patchy sericite alteration to biotite and patchy silicification. Weak carbonate alteration to mafic rich bands.	
		135.3 - 155.0	Replaces Mafics Weak Sericitisation	Patchy Weak Silicification	Patchy Weak Calcite

Drill Log: CFD0451

Easting	581438.23	Hole Length	50m	Prospect	Heap Leach	Drill Started	Sep 15, 2014	Comment	No sampling
Northing	6971383.65	Azimuth	0°	Target	Geotechnical	Drill Completed	Sep 15, 2014		
Projection	UTM7-NAD83	Dip	-90°	Geologist	KGrodzicki	Core Size	HQ		
Survey method	RTK GPS	Elevation	1122.7mASL						

Lithology and Alteration

Interval	Lith	Texture	Deformation	Comments
0.0 - 1.9	OVB			
1.9 - 50.0	GG	cgrn		Coarse grained granite. Locally leucocratic from 38-40.3 m. Moderate to strong fracture controlled limonite. Clay alteration of feldspar clasts. Narrow, clay altered felsic dyke from 8.85 - 10.7 m.
		1.9 - 17.4	Replaces Clasts Intense Clay	
		17.4 - 50.0	Replaces Clasts Moderate Clay	Patchy Weak Silicification

Drill Log: CFD0452

Easting	584449.29	Hole Length	131m	Prospect	Supremo T3	Drill Started	Sep 16, 2014	Comment
Northing	6975070.98	Azimuth	269°	Target	Supremo Infill	Drill Completed	Sep 17, 2014	
Projection	UTM7-NAD83	Dip	-50°	Geologist	HWalsh	Core Size	NQ2	
Survey method	RTK GPS	Elevation	1167.54mASL					

Litholoav and Alteration

Interval	Lith	Texture	Deformation	Comments
0.0 - 12.1	OVb			Gniess rubbly boulders
		0.0 - 14.4	Pervasive Moderate Silicification	Pervasive Weak Clay
12.1 - 29.4	FG	band		Tan felsic gniess, strongly fractured, moderately altered, weakly oxidized. Oxidation is very weak limonite, stronger in highly fractured zones. Alteration is weak pervasive clay, patchy silicification, seritization.
		14.4 - 18.7	Pervasive Weak Clay	Patchy Weak Sericitisation
		18.7 - 23.2	Pervasive Weak Clay	Fracture Controlled Strong Clay Patchy Weak Sericitisation
		23.2 - 25.9	Pervasive Weak Silicification	Pervasive Weak Clay Patchy Weak Sericitisation
		25.9 - 35.1	Pervasive Moderate Silicification	Pervasive Weak Clay
29.4 - 29.8	Ylim	bx		Irregular contact medium grained sub rounded country rock clasts, limonite dominated matrix, clast supported chaotic breccia.
29.8 - 48.8	FG	band		Tan gneiss, as above, alteration is moderate clay, patchy strong silicification, patchy moderate seritization. Oxidation is moderate and patchy limonite.
		35.1 - 40.6	Pervasive Strong Silicification	Patchy Weak Clay Patchy Weak Sericitisation
		40.6 - 49.0	Pervasive Weak Silicification	Pervasive Weak Clay Patchy Weak Sericitisation
48.8 - 49.0	YO	bxi		Medium grained gneiss sub angular gniess country rock clasts, clay rock flour matrix clast supported chaotic breccia
49.0 - 49.0	FG	band		
49.0 - 53.8	HU			Zone. Intensely hydrothermally altered zone. Primary mineral fabric unknown. Alteration is intense clay. Oxidation is patchy and strong to intense limonite/hematite.
		49.0 - 52.9	Pervasive Strong Clay	
		52.9 - 55.7	Pervasive Moderate Silicification	Pervasive Weak Clay Patchy Weak Sericitisation
53.8 - 56.6	FG	band		Grey felsic gneiss, minor limonite brecciation. Alteration is weak clay. Oxidation is weakly disseminated and moderate in fractures. Brecciation is medium grained sub angular gneiss clasts with limonite rock flour matrix, chaotic and clast supported.
		55.7 - 59.2	Fracture Controlled Moderate Clay	Pervasive Weak Clay
56.6 - 60.2	FLT			Fault zone, highly fractured to unconsolidated. Alteration is patchy strong clay. Oxidation is moderate to strong limonite.
		59.2 - 60.3	Pervasive Strong Clay	
60.2 - 62.6	FG	band		Felsic gneiss with minor areas of brecciation. Gneiss is moderately clay altered (with a section of intense alteration from 62.1m-62.6m) oxidation is very weak limonite. Breccia is medium grained angular chaotic gneiss clast, clay matrix clast-supported immature breccia.
		60.3 - 64.4	Pervasive Weak Clay	Patchy Strong Clay Pervasive Weak Silicification
62.6 - 87.6	MxF	band		Mixed gneiss. Felsic dominated with lenses of amphibole-biotite-chlorite-carb schist <1m. Moderate patchy alteration and oxidation. Weak silicification. Alteration is patchy clay, sericite, calcite, chlorite. Oxidation is generally weak hematite staining, with sparse patchy strong limonite oxidation. Minor brecciation at 85.25 following foliation. limonite carbonate matrix, quartz gneiss polymict medium grained breccia.
		64.4 - 74.3	Pervasive Moderate Silicification	Pervasive Weak Clay Patchy Weak Sericitisation
		74.3 - 76.1	Pervasive Weak Silicification	Replaces Felsics Moderate Clay Patchy Moderate Sericitisation
		76.1 - 82.1	Pervasive Weak Silicification	Pervasive Moderate Clay Patchy Moderate Sericitisation
		82.1 - 85.3	Pervasive Weak Silicification	Replaces Felsics Moderate Clay Patchy Moderate Sericitisation
		85.3 - 91.8	Pervasive Moderate Clay	Pervasive Weak Silicification Patchy Weak Sericitisation
87.6 - 89.0	Ycarb	bx		Limonite-carbonate matrix breccia, faulted contact subparallel tca. Medium grained angular clast supported gneiss breccia

89.0 - 131.0	MxF	augn	Felsic gneiss with lenses of biotite-amphibole-chlorite-calcite schist as above. Moderate augen texture. Silica flooding, Quartz vein running sub parallel tca, melt halo causing loss of foliation in felsic gneiss. Quartz-feldspar-biotite coarse grained. 121.345m-122.9m.		
		91.8 - 131.0	Pervasive Moderate Silicification	Patchy Weak Calcite	Patchy Weak Clay

Drill Log: CFD0453

Easting	585202.21	Hole Length	216m	Prospect	Supremo T7	Drill Started	Sep 17, 2014	Comment	Well_ID: MW14-06A
Northing	6974582.81	Azimuth	0°	Target	Hydro 1/2 BH7	Drill Completed	Sep 20, 2014		
Projection	UTM7-NAD83	Dip	-90°	Geologist	KGrodzicki	Core Size	PQ		
Survey method	RTK GPS	Elevation	1183.03mASL						

Litholoav and Alteration

Interval	Lith	Texture	Deformation	Comments
0.0 - 1.5	OVb			
1.5 - 21.9	FG	band	Fol-wk	Felsic gneiss with muscovite rich mafic bands. Feldspar are typically clay altered. Fractures with limonite alteration and interstitial limonite. Patchy irregular quartz veins. No carbonate alteration. Small vugs present locally, typically associated with quartz veins.
		1.5 - 21.9	Replaces Clasts Moderate Clay	Fracture Controlled Moderate Clay Replaces Mafics Weak Sericitisation
21.9 - 25.3	FG	band	Fol-wk	Weak zone. Weakly oxidised with fracture controlled limonite. Strong fracture controlled clay alteration.
		21.9 - 25.3	Fracture Controlled Strong Clay	Replaces Clasts Strong Clay
25.3 - 26.3	HU	bx		Zone. Oxidized and brecciated hydrothermally altered rock. Monomictic silicified clasts in a clay and silicified limonite altered matrix.
		25.3 - 26.3	Fracture Controlled Intense Clay	Patchy Weak Silicification Patchy Weak Sericitisation
26.3 - 51.6	FG	band	Fol-wk	Felsic geiss with weak fracture controlled limonite and clay alteration. Feldspars altered to clay. Clay altered eyes present locally.
		26.3 - 51.6	Fracture Controlled Moderate Clay	Replaces Clasts Moderate Clay
51.6 - 103.7	MxF	band	Fol-wk	Felsic gneiss mixed with minor mafic, amphibole rich, bands. Small (mm) quartz eyes locally. Local sericete alteration to biotite. Patchy silicification.
		51.6 - 101.1	Replaces Clasts Weak Clay	Replaces Mafics Weak Sericitisation Patchy Weak Silicification
		101.1 - 105.7	Replaces Clasts Moderate Clay	
103.7 - 104.0	IV	mass		Fine grained mafic dyke. Chilled margins with ductile deformation at contacts with gneiss. Fresh dyke with associated limonite, clay and hematite in surrounding gneiss.
104.0 - 106.6	MxF	band	Fol-wk	Felsic gneiss with clay alteration to feldspars and interstitial hematite alteration
		105.7 - 177.4	Patchy Weak Silicification	Patchy Weak Sericitisation
106.6 - 108.5	IV	mass		Fine grained, massive, mafic dyke. Weak chilled margin and ductile, weakly foliated contact with gneiss.
108.5 - 171.6	MxF	band	Fol-wk	Mixed felsic gneiss with mafic, amphibole rich mafic bands. Weak, patchy silicification. Sericite alteration locally to biotite
171.6 - 177.4	MxF	band	Fol-str	Strongly foliated mixed felsic gneiss. Bleached, weak carbonate alteration, white clay alteration to feldspars. Sericite-muscovite alteration to biotite. Weak fracture controlled limonite alteration.
177.4 - 179.2	MxF	band	Fol-wk	Zone. Mixed gneiss, possible early mafic dyke with weak alteration. Strong sooty sulphide matrix/biotite replacement. White clay alteration to feldspars. Weak patchy carbonate alteration. Brassy pyrite through matrix associated with sooty pyrite. Strong sericite alteration to matrix associated with mineralization. Strong uphole and down hole contacts. Down hole contact associated with bucky white quartz vein with patchy blebs of brassy pyrite. Weak chlorite alteration associated with unmineralized rock.
		177.4 - 179.2	Replaces Clasts Strong Clay	Weak Calcite
179.2 - 183.2	MxF	band	Fol-str	Strongly foliated mixed felsic gneiss. Bleached with weak carbonate alteration and white clay alteration to feldspars. Sericite-muscovite alteration to biotite. Strongly ductiley deformed. Patchy, irregular, white bucky qtz veins.
		179.2 - 183.2	Replaces Matrix Strong Sericitisation	
183.2 - 216.0	MxF	band	Fol-wk	Mixed felsic gneiss. Sericite - muscovite alteration to biotite. Patchy blebs of brassy pyrite. Later cross-cutting mafic (coarse biotite) cross cutting veins / bands. 187.3 to 187.8 m, and EOH fracture zone with limonite alteration.
		183.2 - 216.0	Replaces Mafics Weak Sericitisation	Patchy Weak Silicification

Drill Log: CFD0454

Easting	581115.04	Hole Length	50m	Prospect	Heap Leach	Drill Started	Sep 17, 2014	Comment
Northing	6970856.73	Azimuth	0°	Target	Geotechnical	Drill Completed	Sep 20, 2014	
Projection	UTM7-NAD83	Dip	-90°	Geologist	KP	Core Size	HQ	
Survey method	RTK GPS	Elevation	1121.3mASL					

Lithology and Alteration

Interval	Lith	Texture	Deformation	Comments
0.0 - 1.9	OVb			Soil and rubbly granitic boulders
		0.0 - 9.1	Replaces Mafics Moderate Clay	Patchy Moderate Sericitisation
1.9 - 7.5	GG	cgrn		Grey, coarse grained weathered granite. Smoky grey quartz, pink feldspar, green-white clay alteration, biotite, epidote/chlorite. Alteration is moderate clay and sericite. Oxidation is patchy limonite, patchy sooty sulphides.
7.5 - 50.0	GG	cgrn		Grey, coarse grained granite. Alteration is weak to moderate clay and sericite, weak patchy pale green epidote/chlorite alteration. Oxidation is weak and fracture controlled limonite to 26m, patchy sooty sulphides to 43.7m.
		9.1 - 17.1	Patchy Moderate Sericitisation	
		17.1 - 20.0	Patchy Moderate Sericitisation	Pervasive Weak Clay Patchy Weak Epidote
		20.0 - 28.5	Patchy Moderate Sericitisation	Replaces Mafics Moderate Clay
		28.5 - 36.3	Replaces Mafics Weak Clay	
		36.3 - 39.1	Patchy Weak Sericitisation	
		39.1 - 50.0	Replaces Mafics Moderate Clay	Patchy Moderate Sericitisation Patchy Weak Epidote

Drill Log: CFD0455

Easting	579694.92	Hole Length	180.5m	Prospect	Kona	Drill Started	Sep 17, 2014	Comment	Well_ID: MW14-05B
Northing	6972998.51	Azimuth	0°	Target	Hydro 2/2 BH11	Drill Completed	Sep 19, 2014		
Projection	UTM7-NAD83	Dip	-90°	Geologist	KGrodzicki	Core Size	HQ		
Survey method	RTK GPS	Elevation	1270.3mASL						

Lithology and Alteration

Interval	Lith	Texture	Deformation	Comments
0.0 - 2.0	OVB			
		0.0 - 51.7	Replaces Clasts Weak Clay	Patchy Weak Silicification
2.0 - 180.5	GG	cgrn	Fresh coarse grained granite. Patchy clay alteration of fspar, typically associated with fractures. Weak to moderate fracture controlled limonite. Weak patchy chlorite-epidote green alteration associated with clay alteration of clays.	
		51.7 - 55.8	Replaces Clasts Weak Clay	Fracture Controlled Moderate Clay Patchy Weak Silicification
		55.8 - 76.4	Replaces Clasts Weak Clay	Patchy Weak Silicification
		76.4 - 77.6	Fracture Controlled Strong Clay	
		77.6 - 152.1	Replaces Clasts Weak Clay	Patchy Weak Silicification
		152.1 - 155.4	Replaces Clasts Moderate Clay	
		155.4 - 180.5	Replaces Clasts Weak Clay	

Drill Log: CFD0456

Easting	584550.67	Hole Length	209m	Prospect	Supremo T3	Drill Started	Sep 17, 2014	Comment
Northing	6975233.5	Azimuth	275°	Target	Supremo Infill	Drill Completed	Sep 18, 2014	
Projection	UTM7-NAD83	Dip	-50°	Geologist	HWalsh	Core Size	NQ2	
Survey method	RTK GPS	Elevation	1126.77mASL					

Litholoav and Alteration

Interval	Lith	Texture	Deformation	Comments
0.0 - 6.0	OVB			
		0.0 - 7.8	Pervasive Weak Silicification	Replaces Mafics Weak Chlorite
6.0 - 11.2	MxF	band		Mixed gneiss, felsic dominated with lenses of biotite-chlorite-calcite-feldspar schist of <1m. Schist is "rotton" near top of hole, preferentially clay altered. Gneiss is generally weakly fractured. Alteration is weak clay, sericite, moderate silicification. Oxidation is weak to moderate and patchy limonite.
		7.8 - 8.6	Pervasive Moderate Clay	
		8.6 - 11.1	Pervasive Weak Silicification	Replaces Mafics Weak Clay Patchy Weak Calcite
		11.1 - 14.1	Pervasive Moderate Clay	
11.2 - 12.8	MxF	band		Felsic gneiss, as above with strong disseminated limonite and hematite oxidation, up to 4% each.
12.8 - 45.3	MxF	band		Mixed gneiss, felsic dominated with lenses of biotite-chlorite-calcite-feldspar schist of <1m. Schist is fresher relative to up hole. Gneiss is generally weakly fractured, with minor zones of strong fracturing, increasing down hole. Alteration is weak clay, sericite, moderate chlorite, silica. Oxidation is weak to moderate patchy limonite. Relict hematized pyrite disseminated.
		14.1 - 27.4	Pervasive Moderate Silicification	Patchy Moderate Chlorite Patchy Weak Sericitisation
		27.4 - 36.2	Pervasive Moderate Silicification	Fracture Controlled Weak Clay Patchy Weak Sericitisation
		36.2 - 38.6	Pervasive Moderate Clay	Patchy Weak Sericitisation
		38.6 - 39.0	Pervasive Intense Clay	
		39.0 - 45.3	Patchy Weak Silicification	Pervasive Weak Clay Patchy Weak Sericitisation
		45.3 - 49.3	Patchy Strong Clay	Pervasive Weak Clay Replaces Mafics Moderate Chlorite
45.3 - 46.2	FLT			Highly fractured zone, unconsolidated to sand-clay texture. Alteration is strong fracture controlled clay. Oxidation is moderate and disseminated limonite.
46.2 - 54.8	MxM	band		Grey-green mafic-dominated gneiss with lenses of green biotite-feldspar-chlorite schist, approx. 50% schist. Alteration is pervasive weak clay, moderate chlorite, patchy weak calcite. Oxidation is weak, fracture controlled limonite, pervasive weak hematite staining
		49.3 - 54.8	Pervasive Weak Silicification	Fracture Controlled Weak Clay Replaces Mafics Moderate Chlorite
54.8 - 61.4	FLT			Orange-tan MxM, highly fractured zone. Core is unconsolidated. Alteration is strong pervasive and fracture controlled clay. oxidation is moderate pervasive limonite, patchy hematite, intensified on fracture faces.
		54.8 - 64.1	Patchy Intense Clay	Pervasive Moderate Clay
61.4 - 64.1	HU	mass		Orange HU intensely clay altered, discrete zones of unconsolidation from 62.1-62.6m, 63.3-63.5m, 63.95-64.05m. Oxidation is strong and disseminated limonite up to 5%
64.1 - 67.0	MxM	band		Orange MxM, alteration is moderate to strong clay. Oxidation is pervasive limonite up to 4%.
		64.1 - 68.9	Pervasive Strong Clay	Pervasive Moderate Clay
67.0 - 68.4	FC	fgrn		Felsic dike, moderate to strong fracturing. Oxidation is strong and disseminated limonite, up to 4%. Alteration is moderate to strong pervasive clay.

68.4 - 79.9	BtS_carb	lamn	Green biotite-chlorite-feldspar-carbonate schist. Weakly augen. Alteration is moderate fracture controlled clay, weakly pervasive, increasing downhole and replacing felsics. Oxidation is moderate fracture controlled and patchy limonite, patchy hematite staining. from 75.3-75.6m coarse grained quartz-biotite-magnetite-chlorite, loss of schistosity.			
			68.9 - 78.9	Patchy Strong Clay	Patchy Moderate Calcite	Pervasive Moderate Chlorite
			78.9 - 79.2	Pervasive Strong Clay		
			79.2 - 79.9	Pervasive Moderate Clay	Patchy Weak Calcite	
79.9 - 81.3	FC	fgrn	dacite dike, weakly altered, weakly oxidized. Alteration is patchy clay, oxidation is weakly disseminated limonite, moderate in patches, weakly disseminated brassy pyrite, very minor sooty sulphides. Weakly foliated near margins.			
			81.3 - 86.1	Patchy Strong Clay	Patchy Moderate Calcite	Pervasive Moderate Chlorite
81.3 - 86.2	BtS_carb	lamn	Biotite carbonate schist as above dike.			
			86.1 - 88.2	Pervasive Moderate Silicification	Patchy Weak Chlorite	
86.2 - 88.4	MxF	band	Felsic dominated mixed gneiss, weakly augen, moderately silicified. Alteration is weak clay, chlorite. Oxidation is weak hematite staining, fracture controlled limonite.			
			88.4 - 89.5	Pervasive Strong Sericitisation	Pervasive Moderate Clay	
88.4 - 91.5	BtS_carb	lamn				
			89.5 - 91.5	Pervasive Moderate Clay	Vein Selvedge Weak Calcite	
			91.5 - 92.4	Pervasive Moderate Silicification	Patchy Weak Sericitisation	Vein Selvedge Weak Calcite
91.5 - 92.4	YS	bx	Medium grained clast supported angular chaotic polymict, calcite altered, dark grey sooty matrix.			
92.4 - 95.1	HU	mass	HU, orange, oxidation up to 4% limonite. Alteration is strong clay. Protolith unrecognizable.			
			92.4 - 95.0	Pervasive Strong Clay		
			95.0 - 97.4	Pervasive Moderate Chlorite	Vein Selvedge Weak Calcite	
95.1 - 104.3	MxM	band	Green, Mafic dominated gneiss, with lenses of felsic gneiss <1m. Alteration is weak to moderate clay, chlorite, calcite.			
			97.4 - 102.1	Patchy Moderate Calcite	Pervasive Moderate Chlorite	Pervasive Weak Clay
			102.1 - 104.0	Pervasive Moderate Chlorite	Patchy Moderate Calcite	Pervasive Moderate Clay
			104.0 - 105.7	Pervasive Weak Clay	Replaces Mafics Weak Chlorite	
104.3 - 106.7	FLT	highly fractured broken core, oxidation is orange-brown limonite, alteration is clay.				
		105.7 - 109.2	Pervasive Moderate Clay	Pervasive Weak Silicification		
106.7 - 121.3	MxM	band	MxM as above fault zone.			
			109.2 - 110.0	Pervasive Weak Clay	Fracture Controlled Moderate Clay	Patchy Moderate Calcite
			110.0 - 125.6	Patchy Weak Calcite	Fracture Controlled Moderate Clay	Replaces Mafics Moderate Chlorite
121.3 - 123.0	Amph	mgrn	amphibole>>biotite, foliated, calcite veining, chlorite alteration, no oxidation			
123.0 - 126.2	AmBtS	lamn	Amphibole-biotite-chlorite schist. amphibole ~= biotite. Alteration is calcite, strong chlorite. Oxidation is disseminated brassy pyrite.			
			125.6 - 126.9	Patchy Weak Calcite	Pervasive Moderate Silicification	Patchy Moderate Clay
126.2 - 126.3	YS	bx	Medium grained sub angular clast supported chaotic quartz mafic gneiss polymict irregular contact sooty grey matrix breccia.			
126.3 - 130.6	AmBtS	lamn	Amphibole-biotite-chlorite schist as above breccitaion. Oxidation is patchily disseminated sooty sulphides.			
			126.9 - 140.0	Pervasive Moderate Silicification	Pervasive Moderate Chlorite	Patchy Moderate Calcite
130.6 - 148.3	MxM	band	Mafic dominated gneiss, moderately silicified. Alteration is patchy chlorite, calcite. Oxidation is weak hematite staining, patchy moderate limonite and weak disseminated brassy pyrite, weak sooty suphides from 137-139m.			
			140.0 - 141.0	Replaces Felsics Moderate Clay	Patchy Moderate Calcite	
			141.0 - 144.9	Pervasive Moderate Silicification	Patchy Moderate Chlorite	Patchy Moderate Calcite
			144.9 - 147.7	Pervasive Weak Silicification	Patchy Moderate Calcite	
			147.7 - 171.1	Pervasive Moderate Silicification	Patchy Moderate Chlorite	
148.3 - 173.0	MxF	augn	Grey felsic dominated gneiss, patchily augen. Moderate silicification. Alteration is weak patchy clay and sericite. Oxidation is weak hematite staining throughout, patchy moderate limonite.			
			171.1 - 177.6	Pervasive Weak Clay	Pervasive Moderate Silicification	

173.0 - 177.6	MxM	band	Mixed mafic dominated gneiss. Alteration is chlorite clay and calcite. Oxidation is weak patchy limonite and hematite.		
		177.6 - 179.7	Replaces Felsics Moderate Clay	Pervasive Weak Silicification	
177.6 - 177.8	Ycarb	bx	Limonite altered sub angular quartz and country rock chaotic irregular boundary breccia.		
177.8 - 209.0	MxM	band	Mafic dominated gneiss continuing as above brecciation. Lenses of BtS and Amphibolite. Alteration is moderate chlorite, patchy calcite. Oxidation is weak hematite staining and patchy brassy pyrite.		
		179.7 - 209.0	Pervasive Moderate Silicification	Patchy Moderate Calcite	Pervasive Moderate Chlorite

Drill Log: CFD0457

Easting	581498.52	Hole Length	20m	Prospect	Heap Leach	Drill Started	Sep 18, 2014	Comment	No sampling
Northing	6971061.81	Azimuth	0°	Target	Geotechnical	Drill Completed	Sep 20, 2014		
Projection	UTM7-NAD83	Dip	-90°	Geologist	KP	Core Size	HQ		
Survey method	RTK GPS	Elevation	1063.91mASL						

Lithology and Alteration

Interval	Lith	Texture	Deformation	Comments
0.0 - 7.5	OVB			mud, dirt and granitic boulders
		0.0 - 8.2	Replaces Mafics Moderate Clay	
7.5 - 20.0	GG	cgrn		Cream granite, weathered. Oxidation is patchy and fracture controlled limonite. Alteration is moderate clay, weak patchy sericite. Clay alteration is strong in patches.
		8.2 - 9.1	Fracture Controlled Strong Clay	
		9.1 - 12.6	Replaces Mafics Moderate Clay	
		14.0 - 20.0	Replaces Mafics Moderate Clay	

Drill Log: CFD0458

Easting	584115.99	Hole Length	35m	Prospect	Supremo T1-2	Drill Started	Sep 20, 2014	Comment	Abandoned due to being off azimuth.
Northing	6974327.68	Azimuth	270°	Target	Supremo Infill	Drill Completed	Sep 20, 2014		
Projection	UTM7-NAD83	Dip	-50°	Geologist	HWalsh	Core Size	NQ2		
Survey method	RTK GPS	Elevation	1295.24mASL						

Lithology and Alteration

Interval	Lith	Texture	Deformation	Comments
0.0 - 5.2	OVB			Rubbly gneiss boulders
		0.0 - 6.5	Replaces Felsics Moderate Clay	Pervasive Weak Silicification
5.2 - 35.0	FG	augn		Cream-grey felsic gneiss, strong augen texture, alteration is patchily felsic-replacing clays and patchy weak sericite. Moderate silicification. Moderate fracturing. Oxidation is weak limonite and weak hematite staining, minor disseminated brassy pyrite.
		6.5 - 9.4	Pervasive Weak Clay	Pervasive Moderate Silicification
		9.4 - 13.2	Replaces Felsics Moderate Clay	Pervasive Weak Silicification
		13.2 - 35.0	Patchy Weak Clay	Replaces Mafics Weak Chlorite Pervasive Moderate Silicification

Drill Log: CFD0459

Easting	581238.5	Hole Length	30m	Prospect	Heap Leach	Drill Started	Sep 20, 2014	Comment	No sampling
Northing	6971085.47	Azimuth	0°	Target	Geotechnical	Drill Completed	Sep 21, 2014		
Projection	UTM7-NAD83	Dip	-90°	Geologist	KP	Core Size	HQ		
Survey method	RTK GPS	Elevation	1081.89mASL						

Lithology and Alteration

Interval	Lith	Texture	Deformation	Comments
0.0 - 4.1	OVb	mud		Overburden, unconsolidated, brown, granular mud
		0.0 - 4.1	Pervasive Strong Clay	
4.1 - 29.0	GG	cgrn		Coarse grained pink-grey granite. Qtz, fspar, biotite. Fractured. Patchy alteration of fspars to clay
		4.1 - 30.0	Replaces Clasts Weak Clay	
29.0 - 30.0	FC	fgrn		Fine grained dacitic intrusion with patchy interfingering granitic texture

Drill Log: CFD0460

Easting	584119.07	Hole Length	254m	Prospect	Supremo T1-2	Drill Started	Sep 21, 2014	Comment	Redrill of CFD0458
Northing	6974327.94	Azimuth	270°	Target	Supremo Infill	Drill Completed	Sep 22, 2014		
Projection	UTM7-NAD83	Dip	-50°	Geologist	HWalsh	Core Size	NQ2		
Survey method	RTK GPS	Elevation	1295.09mASL						

Litholoav and Alteration

Interval	Lith	Texture	Deformation	Comments
0.0 - 6.1	OVb			felsic gneiss rubble
		0.0 - 11.1	Pervasive Moderate Silicification	Patchy Weak Clay Replaces Mafics Weak Chlorite
6.1 - 66.4	FG	augn		Grey felsic gneiss, augen texture, alteration is patchy weak to moderate felsic-replacing clays. Moderately silicified. Oxidation is patchy weak to moderate limonite, hematite staining, veinlets of hematized pyrite. Small felsic dike (?) at 27.48-27.63m, weakly foliated. lenses of BtS <0.30m, weak calcite confined to BtS lenses.
		11.1 - 15.7	Pervasive Weak Silicification	Replaces Felsics Moderate Clay
		15.7 - 25.0	Pervasive Moderate Silicification	Patchy Weak Clay Replaces Mafics Weak Chlorite
		25.0 - 26.6	Pervasive Weak Silicification	Pervasive Weak Clay Replaces Mafics Weak Chlorite
		26.6 - 66.4	Pervasive Moderate Silicification	Replaces Mafics Weak Chlorite Patchy Weak Clay
66.4 - 78.8	MxF	band		Weak Zone. Increased limonite oxidation, increased felsic-replacing clay alteration and in lenses of schist.
		66.4 - 67.7	Pervasive Strong Clay	Patchy Weak Chlorite
		67.7 - 76.7	Patchy Strong Clay	Patchy Moderate Silicification Patchy Weak Chlorite
		76.7 - 151.2	Pervasive Moderate Silicification	Replaces Mafics Moderate Chlorite Patchy Moderate Calcite
78.8 - 91.5	MxF	augn		Grey augen gneiss, with lenses of BtS as above.
91.5 - 151.8	MxM	band		Grey mafic dominated gneiss, lenses of felsic augen gneiss as above, lenses of biotite-feldspar schist. Alteration is moderate chlorite, calcite, weak patchy clay . Oxidation is patchy limonite, hematite, brassy pyrite.
		151.2 - 154.0	Pervasive Moderate Clay	Patchy Weak Calcite
151.8 - 162.7	FC	fgrn		Zone. Altered felsic dike. Alteration is weak to moderate clay and patchy calcite, calcite porphyroblasts from 160-160.8m.Oxidation is strong and disseminated, up to 5% limonite, patchy and strong hematite.
		154.0 - 167.0	Pervasive Moderate Clay	Patchy Weak Calcite Fracture Controlled Weak Clay
162.7 - 163.9	MxF	band		Zone. Felsic gneiss clast within dacite dike, altered and oxidized. Alteration is felsic -replacing clays, oxidation is moderate disseminated limonite.
163.9 - 164.0	FC	fgrn		Zone. Altered felsic dike as above.
164.0 - 169.9	MxF	band		Weak Zone. Felsic dominated gneiss.
		167.0 - 178.2	Pervasive Moderate Clay	Patchy Weak Silicification
169.9 - 170.0	YO	bx		Clay altered rock flour matrix, polymict sub angular medium grained gneiss dacite clast supported breccia
170.0 - 170.7	FLT			Discrete zone of broken fractured gneiss. Clay alteration on fracture faces. Moderately limonite oxidized.
170.7 - 170.8	Ylim	bx		Limonite and hematite oxidized matrix, sub-rounded gneiss clasts, clast supported silicified irregular contact breccia.
170.8 - 211.7	MxM	band		Weak zone. Grey mafic dominated gneiss, minor augen felsic lenses, biotite schist lenses. Alteration is chlorite, calcite. Moderately silicified. Oxidation is patchy/fracture controlled limonite and hematite and decreases down hole.
		178.2 - 201.6	Pervasive Moderate Silicification	Patchy Moderate Chlorite Patchy Weak Calcite
		201.6 - 209.7	Patchy Moderate Clay	Patchy Moderate Chlorite Patchy Moderate Sericitisation
		209.7 - 218.8	Patchy Strong Clay	Patchy Moderate Sericitisation Patchy Strong Silicification
211.7 - 214.0	MxM	band		Zone. Orange to grey mafic dominated gneiss. Alteration is patchy strong clay, patchy moderate silicification and seritization, oxidation is patchily disseminated limonite and hematite up to 4% each, patchy sooty sulphides. limonite filled fracture at 214m.

214.0 - 214.3	Ylim	bx	Orange limonite matrix clast supported brecciated minor fault, medium grained sub angular gneiss clasts		
214.3 - 227.2	MxM	band	Mafic mixed gneiss as above brecciation		
		218.8 - 224.7	Pervasive Moderate Silicification	Patchy Weak Calcite	
		224.7 - 227.2	Patchy Strong Clay	Patchy Weak Calcite	
227.2 - 254.0	MxM	band	Mafic dominated gneissgrey to green, relatively fresh and unaltered, with patchesof weak clay alteration. Lenses of chlorite-calcite BtS <1m. Oxidation is patchy weak limonite, weak to moderate hematite staining.		
		227.2 - 234.9	Pervasive Moderate Silicification	Replaces Mafics Moderate Chlorite	Patchy Moderate Clay
		234.9 - 254.0	Pervasive Moderate Silicification	Replaces Mafics Moderate Chlorite	Patchy Weak Calcite

Drill Log: CFD0461

Easting	584228.16	Hole Length	212m	Prospect	Supremo T4	Drill Started	Sep 21, 2014	Comment
Northing	6973476.6	Azimuth	270°	Target	Supremo Infill	Drill Completed	Sep 23, 2014	
Projection	UTM7-NAD83	Dip	-50°	Geologist	KGrodzicki	Core Size	NQ2	
Survey method	RTK GPS	Elevation	1053.08mASL					

Litholoav and Alteration

Interval	Lith	Texture	Deformation	Comments
0.0 - 7.0	OVb			
7.0 - 11.3	MxM	band		Zone. Oxidised and patchy hydrothermally altered and unrecognizable rock. Foliated Mxm with clay altered feldspar. Strong fracture controlled clay and limonite alteration. Sericite and muscovite alteration of biotite. Fracture controlled hematite.
		7.0 - 11.3	Pervasive Intense Clay	Replaces Mafics Moderate Sericitisation
11.3 - 12.2	MxM	band		Zone shoulder. Weakly to moderately oxidised mxm. Pervasive clay and interstitial limonite alteration. Sericite and muscovite alteration of biotite.
		11.3 - 26.0	Pervasive Moderate Clay	Replaces Mafics Moderate Sericitisation
12.2 - 26.0	MxM	band		Weakly oxidised MxM with moderate fracture controlled limonite and clay alteration. Pervasive sericite and muscovite alteration of biotite. Interstitial clay alteration and weak silica flooding. Patchy fine grained quartz augen.
26.0 - 27.6	HU	mass		Zone. Strongly oxidised HU with patchy MxM with sericite and muscovite alteration visible. Stockwork of fractures forms a weak monomictic breccia of silica clasts in a limonite and clay matrix.
		26.0 - 27.6	Pervasive Intense Clay	Replaces Mafics Strong Sericitisation
27.6 - 28.5	MxM	band		Zone shoulder. Moderately oxidised with strong sericite and muscovite replacement of biotite. Strong fracture controlled limonite and clay alteration.
		27.6 - 39.4	Pervasive Strong Clay	Replaces Mafics Intense Sericitisation
28.5 - 39.4	MxM	band	Fol-wk	Strongly sericite and muscovite altered MxM. Moderate fracture controlled limonite and patchy weakly oxidised with interstitial limonite altered bands. Irregular quartz vein associated with limonite alteration at 33.1 m. Clay alteration of feldspars and interstitial clay.
39.4 - 49.9	MxM	band	Fol-wk	Weak zone. Weakly to moderately oxidised MxM. Fracture controlled limonite and hematite alteration. Strongly sericite-muscovite altered biotite. Limonite stained clay altered feldspars. Locally massive HU rock, pervasively clay altered with local very weak remnant foliation
		39.4 - 49.9	Pervasive Moderate Clay	Replaces Mafics Strong Sericitisation
49.9 - 69.4	MxM	band	Fol-wk	Strong zone. Strongly oxidized MxM with zones of massive HU with no remnant foliation remaining. Intense fracture controlled limonite and hematite alteration. Pervasive strong clay alteration and strong sericite alteration. Fractured quartz vein and shearing parallel to core axis.
		49.9 - 69.4	Pervasive Intense Clay	Replaces Mafics Strong Sericitisation
69.4 - 71.4	FC	bx		Bleached dacite dyke with silica-sericite alteration. Moderately oxidised with fracture controlled limonite. Patchy, monomictic jigsaw fit breccia
		69.4 - 93.1	Fracture Controlled Weak Clay	Pervasive Strong Silicification Pervasive Strong Sericitisation
71.4 - 93.1	MxM	band	Fol-wk	Weak to moderate zone. Fracture controlled limonite, hematite clay and oxidization. Patches of unoxidised rock are strongly silicified and sericite altered.
93.1 - 141.5	MxM	band	Fol-wk	Clay altered blue green biotite schist with bands of felsic gneiss. Patchy weak fracture controlled limonite alteration. Weak interstitial carbonate alteration. Silica-sericite alteration, weak chlorite alteration.
		93.1 - 147.2	Fracture Controlled Weak Clay	Pervasive Moderate Silicification Replaces Mafics Moderate Sericitisation
141.5 - 147.2	MxM	band	Fol-wk	Weak zone. Weakly oxidised and fracture controlled limonite. Weak, pervasive clay alteration to feldspars.

147.2 - 160.2	MxM	band	Fol-wk	Silica-sericite mixed mafic gneiss with gneissose bands. Silica-sericite alteration to biotite and weak fracture controlled limonite.
147.2 - 160.2			Replaces Mafics Moderate Sericitisation	Replaces Mafics Moderate Silicification
160.2 - 164.9	AmBtS	band	Fol-wk	Amphibole-biotite schist with patchy epidote alteration. Pervasive moderate interstitial carbonate alteration.
160.2 - 181.7			Patchy Weak Epidote	Pervasive Moderate Silicification Replaces Mafics Moderate Sericitisation
164.9 - 181.7	MxM	band	Fol-wk	Sheared contact with amphibolite biotite schist. Patchy epidote alteration and pervasive moderate carbonate alteration. Predominantly schistose with minor bands of gneiss. Weak fracture controlled limonite and limonite stained clay altered feldspars.
181.7 - 186.2	MxM	band	Fol-wk	Zone. Patchy moderate oxidation and fracture controlled limonite and hematite alteration. Patches of matrix sooty sulphides. Zones of fresh rock with oxidised rock. Patchy bleaching and silicification. Sericite alteration of biotites.
181.7 - 186.2			Fracture Controlled Weak Clay	Replaces Mafics Moderate Sericitisation Moderate Silicification
186.2 - 212.0	MxM	band	Fol-wk	Strongly mafic with bands of felsic gneiss. Patchy interstitial epidote alteration of amphibole. Weak fracture controlled limonite alteration and weak interstitial carbonate alteration. Patchy fracture controlled hematite towards the EOH.
186.2 - 212.0			Patchy Moderate Epidote	Pervasive Moderate Silicification Replaces Mafics Moderate Sericitisation

Drill Log: CFD0462

Easting	580832.07	Hole Length	125m	Prospect	Heap Leach	Drill Started	Sep 21, 2014	Comment	No samples, no significant XRF As. NO significant structure (massive granite).
Northing	6971364.89	Azimuth	0°	Target	Hydro	Drill Completed	Sep 24, 2014		
Projection	UTM7-NAD83	Dip	-90°	Geologist	CDavis	Core Size	HQ		
Survey method	RTK GPS	Elevation	1156.25mASL						

Lithology and Alteration

Interval	Lith	Texture	Deformation	Comments
0.0 - 2.9	OVB			
2.9 - 125.0	GG	cgrn		coarse grain, massive, var pink colouration = hem and/or k-spar alt, var orange oxide frac controlled-pervasive, var weak-mod lim +/- hem frac coating
		2.9 - 37.5	Replaces Felsics Moderate Clay	Pervasive Moderate Silicification Fracture Controlled Strong Clay
		37.5 - 113.0	Pervasive Moderate Silicification	Fracture Controlled Weak Clay Patchy Weak Sericitisation
		113.0 - 125.0	Pervasive Moderate Silicification	Replaces Felsics Weak Sericitisation

Drill Log: CFD0463

Easting	585195.39	Hole Length	165m	Prospect	Supremo T7	Drill Started	Sep 22, 2014	Comment	Well_ID: MW14-06B. Oxide top of hole, and transitional ox/sulphide 142-149m
Northing	6974583.17	Azimuth	0°	Target	Hydro	Drill Completed	Sep 24, 2014		
Projection	UTM7-NAD83	Dip	-90°	Geologist	KGrodzicki	Core Size	PQ		
Survey method	RTK GPS	Elevation	1183.31mASL						

Lithology and Alteration

Interval	Lith	Texture	Deformation	Comments
0.0 - 1.5	OVb			
1.5 - 6.6	MxF	band		Weak to moderate fracture controlled and interstitial limonite alteration and clay alteration to feldspars. Pervasive sericite alteration
		1.5 - 6.6	Replaces Clasts Moderate Clay	Replaces Mafics Moderate Sericitisation
6.6 - 7.0	HU	mass		Zone. Strongly oxidised and intensely limonite and clay altered.
		6.6 - 7.0	Pervasive Intense Clay	
7.0 - 12.2	MxF	band		Weak to moderate fracture controlled and interstitial limonite alteration and clay alteration to feldspars. Pervasive sericite alteration to biotite.
		7.0 - 12.2	Replaces Clasts Moderate Clay	Replaces Mafics Moderate Sericitisation
12.2 - 12.8	HU	mass		Zone. Strongly oxidised and intensely limonite and clay altered.
		12.2 - 12.8	Pervasive Intense Clay	
12.8 - 17.5	HU	bx		Bleached and silicified medium grained, monomictic clasts supported in a pale yellow clay. Local stockwork of limonite fractures result in a jigsaw fit breccia of silica flooded clasts.
		12.8 - 17.5	Replaces Clasts Moderate Clay	Replaces Mafics Moderate Sericitisation
17.5 - 19.1	IV	mass		Zone. Strongly oxidised and limonite altered mafic dyke. Weak foliation and sheared contacts.
		17.5 - 19.1	Pervasive Intense Clay	
19.1 - 28.6	MxM	band		Weak fracture controlled limonite alteration and interstitial clay alteration of biotite. Bucky white quartz veins parallel to foliation in places.
		19.1 - 45.0	Replaces Clasts Moderate Clay	Replaces Mafics Moderate Sericitisation
28.6 - 45.0	MxM	band		Strongly clay altered feldspars and sericite-muscovite altered biotite.
45.0 - 95.6	MxM	band		bt felsic bands common augens, occasional strong fuchsitic green alt in bt sch bands, patchy weak ser-clay alt, 90.40m protolith contact? Bt amp sch over bt felsic gneiss
		45.0 - 142.5	Replaces Felsics Moderate Silicification	Replaces Mafics Moderate Chlorite
95.6 - 99.5	IV	fgrn		sharp fg dark-grey black dykes, 50cm & 1m cross cuts foliation contact 25CA
99.5 - 142.5	MxM	band		bt felsic bands common augens occ bt schist +/- amph, occ band perv pink = hem? <1m, occ white quartz vein subparallel foliation 70-80CA
142.5 - 148.5	HU	bxi		min zone mix ox & sulph, weak closed fracturing 0-20CA, solid white-beige quartz +/- weak cal infill
		142.5 - 144.5	Patchy Moderate Sericitisation	Fracture Controlled Moderate Clay
		144.5 - 147.4	Replaces Felsics Moderate Silicification	Replaces Mafics Weak Chlorite
		147.4 - 148.5	Fracture Controlled Strong Clay	Patchy Strong Sericitisation
148.5 - 165.0	MxM	band		bt felsic bands common augens occ bt schist +/- amph, occ band perv pink = hem? <1m, occ white quartz vein subparallel foliation 70-80CA
		148.5 - 165.0	Replaces Felsics Moderate Silicification	Replaces Mafics Weak Chlorite

Drill Log: CFD0464

Easting	584053.87	Hole Length	218m	Prospect	Supremo T1-2	Drill Started	Sep 23, 2014	Comment
Northing	6974274.68	Azimuth	270°	Target	Supremo Infill	Drill Completed	Sep 24, 2014	
Projection	UTM7-NAD83	Dip	-50°	Geologist	HWalsh	Core Size	NQ2	
Survey method	RTK GPS	Elevation	1287.2mASL					

Lithology and Alteration

Interval	Lith	Texture	Deformation	Comments
0.0 - 6.3	OVb			Gneiss rubble
		0.0 - 9.2	Pervasive Moderate Silicification	Patchy Weak Sericitisation
6.3 - 20.5	FG	band		Felsic dominated gneiss, weakly banded, weakly augen, moderately bleached at top of hole to 12.5m. Alteration is weak pervasive clay, weak chlorite, sericite. Oxidation is fracture controlled and patchy limonite. Weak hematite staining - primary?
		9.2 - 12.1	Replaces Felsics Moderate Clay	Patchy Weak Silicification
		12.1 - 20.6	Pervasive Moderate Silicification	Patchy Weak Clay
20.5 - 22.2	BtS	mgrn		Unfoliated medium grained with mineral composition typical of biotite-feldspar schist. Alteration is moderate pervasive clay and chlorite. Oxidation is weak.
		20.6 - 25.2	Patchy Moderate Clay	Patchy Moderate Silicification
22.2 - 25.4	MxF	band		Felsic gneiss, weakly foliated and bleached. Moderate felsic-replacing clay alteration. Limonite is patchy and moderate, up to 2%.
		25.2 - 26.2	Pervasive Strong Clay	
25.4 - 37.1	FC	fgrn		Dacite. Fine grained, patchy weak foliation. Margins are bleached light grey/cream colour and clay altered with strong fracture controlled limonite alteration. centre of dike is greenish blue, appears to be a chlorite and blue-green sericite alteration, with weak clay. oxidation is weak patchy limonite throughout the centre of the dike.
		26.2 - 34.0	Pervasive Moderate Clay	Pervasive Moderate Sericitisation Pervasive Moderate Chlorite
		34.0 - 35.8	Pervasive Moderate Clay	Pervasive Weak Sericitisation
		35.8 - 36.7	Pervasive Strong Clay	
		36.7 - 44.9	Replaces Felsics Moderate Clay	Pervasive Moderate Silicification Patchy Weak Sericitisation
37.1 - 82.4	MxF	band		Felsic dominated gneiss, augen texture. Moderate to strong silicification. Alteration is patchy felsic replacing clays, weak sericite, chlorite. Oxidation is moderate patchy limonite, sooty sulphides at 80m-100m. Fractured and clay altered at dike contact.
		44.9 - 53.8	Pervasive Moderate Silicification	Pervasive Weak Clay Patchy Weak Sericitisation
		53.8 - 64.0	Patchy Moderate Silicification	Pervasive Moderate Clay Patchy Weak Sericitisation
		64.0 - 67.9	Pervasive Moderate Silicification	Pervasive Weak Clay Patchy Weak Sericitisation
		67.9 - 73.2	Pervasive Moderate Silicification	Replaces Felsics Moderate Clay
		73.2 - 82.4	Pervasive Moderate Silicification	Patchy Weak Clay
		82.4 - 83.3	Pervasive Strong Clay	
82.4 - 83.3	FC	fgrn		Dacite dike. Fine grained with calcite porphyroblasts. Alteration is strong clay. Oxidation is strong limonite and sooty sulphides. High As values.

83.3 - 139.6	MxF	augn	Felsic dominated gneiss as above dike. lenses of calcite-chlorite altered biotite feldspar schist up to 1m, increasing down hole. lenses are patchily porphyroblastic calcite, clay and silica alteration strong in patches. contacts between gneiss and schist are slightly sheared. Diffusely mineralized zone, highest As value ~7000ppm in a clay altered biotite schist. zone is generally bleached, strongly clay and silica altered with patchy sooty and brassy sulphides.		
		83.3 - 86.4	Pervasive Moderate Silicification	Patchy Weak Clay	
		86.4 - 89.5	Pervasive Moderate Silicification	Pervasive Moderate Clay	
		89.5 - 94.8	Pervasive Moderate Silicification		
		94.8 - 101.3	Pervasive Strong Silicification	Patchy Weak Clay	
		101.3 - 107.5	Pervasive Strong Silicification	Pervasive Moderate Clay	only clay and silica remain.
		107.5 - 111.9	Replaces Felsics Strong Clay	Patchy Weak Sericitisation	
		111.9 - 113.2	Pervasive Strong Silicification	Patchy Strong Clay	Patchy Weak Sericitisation
		113.2 - 119.0	Replaces Felsics Moderate Clay	Patchy Moderate Sericitisation	
		119.0 - 137.4	Pervasive Strong Silicification	Patchy Strong Clay	Patchy Weak Sericitisation
		137.4 - 149.2	Patchy Strong Silicification	Patchy Moderate Clay	Patchy Moderate Sericitisation
139.6 - 139.7	Ylim	bxi	yellow-orange limonite rock flour matrix, soft and friable. Clast supported. Clasts are clay altered gneiss, sub angular. Irregular contact.		
139.7 - 172.7	MxF	augn	Fol-mod Felsic dominated gneiss continuing as above brecciation		
		149.2 - 150.2	Pervasive Strong Clay		
		150.2 - 154.3	Patchy Strong Silicification	Patchy Moderate Clay	Patchy Weak Sericitisation
		154.3 - 171.2	Patchy Strong Silicification	Patchy Weak Calcite	Replaces Mafics Weak Chlorite
		171.2 - 172.7	Pervasive Moderate Clay		
172.7 - 178.5	BtS	lamn	biotite schist. Alteration is chlorite, calcite, minor clay. Oxidation is weak patchy limonite.		
		172.7 - 178.3	Pervasive Moderate Silicification	Patchy Moderate Calcite	Patchy Weak Clay
		178.3 - 180.4	Replaces Felsics Moderate Clay		
178.5 - 186.7	MxF	augn	Felsic gneiss as above. Alteration is moderate to strong silica flooding, patchy moderate clay. oxidation is moderate and patchy limonite/hematite, disseminated brassy pyrite.		
		180.4 - 185.4	Patchy Moderate Clay	Pervasive Moderate Silicification	
		185.4 - 186.9	Pervasive Moderate Clay	Patchy Weak Silicification	
186.7 - 187.1	Ylim	bx	Orange limonite matrix sub-rounded medium grained clast supported unsorted chaotic gneiss country rock breccia		
		186.9 - 187.5	Pervasive Strong Silicification	Pervasive Weak Clay	
187.1 - 218.0	MxF	augn	felsic gneiss as above, lenses of amphibole-biotite-chlorite-calcite schist		
		187.5 - 196.5	Pervasive Moderate Silicification	Patchy Moderate Calcite	Patchy Weak Sericitisation
		196.5 - 200.2	Pervasive Strong Silicification	Replaces Mafics Weak Chlorite	Patchy Weak Calcite
		200.2 - 218.0	Pervasive Moderate Silicification	Replaces Mafics Weak Chlorite	Patchy Weak Calcite

Drill Log: CFD0465

Easting	584336.95	Hole Length	257 m	Prospect	Supremo T4	Drill Started	Sep 23, 2014	Comment
Northing	6973479.75	Azimuth	270°	Target	Supremo Infill	Drill Completed	Sep 26, 2014	
Projection	UTM7-NAD83	Dip	-50°	Geologist	KGrodzicki	Core Size	NQ2	
Survey method	RTK GPS	Elevation	1062.92mASL					

Litholoav and Alteration

Interval	Lith	Texture	Deformation	Comments
0.0 - 4.0	OVB			
4.0 - 29.0	MxM	band	Fol-mod	Strongly clay altered MxM. Fracture controlled clay and interstitial and feldspar clay replacement. Strong sericite replacement of biotite. Patchy interstitial vugs and qtz eyes. Weak fracture controlled limonite and interstitial hematite.
		4.0 - 29.0	Pervasive Strong Clay	Pervasive Strong Sericitisation Pervasive Moderate Silicification
29.0 - 32.5	MxM	band	Fol-wk	Weak zone. Weakly to moderately oxidised MxM. Orange to cream coloured clay replaces feldspars and interstitial network. Sericite alteration of biotite.
		29.0 - 33.9	Pervasive Weak Clay	Replaces Mafics Moderate Sericitisation
32.5 - 33.9	MxM	band	Fol-wk	Unoxidized biotite schist with cream-orange clay alteration to feldspars and strong sericite alteration and moderate chlorite. Fracture controlled limonite.
33.9 - 37.3	MxM	band	Fol-wk	Zone. Strongly altered MxM and massive, hydrothermally altered rock. Strong fracture controlled limonite, hematite and clay alteration. Strong sericite alteration to biotite. Secondary manganese alteration to fractures.
		33.9 - 37.3	Pervasive Strong Clay	Replaces Mafics Moderate Sericitisation
37.3 - 45.1	MxM	band	Fol-wk	MxM with weak fracture controlled limonite and interstitial limonite staining. Strong sericite alteration and silicification.
		37.3 - 45.1	Replaces Clasts Weak Clay	Replaces Mafics Moderate Sericitisation
45.1 - 46.8	MxM	band	Fol-wk	Weak zone. Weakly oxidised and limonite altered MxM. Cream-orange clay replaces feldspars and interstitial network. Sericite alteration to biotite.
		45.1 - 46.8	Pervasive Moderate Clay	Replaces Mafics Moderate Sericitisation
46.8 - 67.8	MxM	band	Fol-wk	Mxm with weak fracture controlled limonite, which bleeds in to interstitial network. Silica sericite alteration.
		46.8 - 67.8	Replaces Mafics Moderate Sericitisation	Patchy Moderate Silicification
67.8 - 72.9	MxM	band	Fol-wk	Zone. Oxidised and limonite altered, foliated MxM dominates. Patchy HU with a brecciated texture. Rounded gneissose clasts and quartz clasts supported in a limonite and clay altered matrix at contact of shear parallel to core axis. Local fracture controlled hematite associated with limonite.
		67.8 - 72.9	Fracture Controlled Strong Clay	
72.9 - 77.0	MxM	band	Fol-wk	Zone shoulder. Patchy fracture controlled oxidation and limonite alteraion. Feldspars replaced by orange stained clay. Sericite alteration of biotite and patchy silicification.
		72.9 - 77.0	Fracture Controlled Weak Clay	Replaces Mafics Moderate Sericitisation Patchy Weak Silicification
77.0 - 83.7	MxM	band	Fol-wk	Zone. Oxidised and limonite altered. Foliated MxM dominates with patchy massive, strongly clay altered HU. Fracture controlled and interstitial hematite associated with limonite.
		77.0 - 83.7	Fracture Controlled Moderate Clay	Replaces Mafics Moderate Sericitisation
83.7 - 94.4	MxM	band	Fol-wk	Fresh to patchy weakly oxidised with fracture controlled limonite. Silica-sericite alteration. Sericite and clay alteration particularly in mafic bands.
		83.7 - 94.4	Replaces Clasts Weak Clay	Replaces Mafics Moderate Sericitisation Patchy Weak Silicification

94.4 - 98.1	MxM	band		Fol-wk	Zone shoulder. Weakly oxidised with fracture controlled limonite and clay alteration. Sericite alteration to biotite and patchy silicification.		
		94.4 - 98.1		Fracture Controlled Moderate Clay	Replaces Mafics Weak Sericitisation		
98.1 - 101.7	MxM	band		Fol-wk	Zone. Oxidised with strong to moderate fracture controlled and interstitial limonite and hematite alteration. Fracture controlled clay alteration and clay alteration to feldspars and interstitial network.		
		98.1 - 101.7		Fracture Controlled Strong Clay	Replaces Mafics Weak Sericitisation		
101.7 - 105.4	MxM	band		Fol-wk	Zone shoulder. Weak fracture controlled limonite and clay alteration. Schistose unit strongly clay altered.		
		101.7 - 105.4		Fracture Controlled Weak Clay	Replaces Mafics Weak Sericitisation		
105.4 - 126.9	MxM	band		Fol-wk	Gneiss with strong mafic component. Clay and sericite altered. Patchy silicification. Patchy epidote alteration.		
		105.4 - 112.2		Fracture Controlled Moderate Clay	Replaces Mafics Moderate Sericitisation	Patchy Weak Silicification	
		112.2 - 116.5		Patchy Weak Epidote			
		116.5 - 130.2		Fracture Controlled Moderate Clay	Replaces Mafics Moderate Sericitisation	Patchy Weak Silicification	
126.9 - 130.2	MxM	band		Fol-wk	Zone shoulder. Weak interstitial limonite. Silica-sericite alteration.		
130.2 - 133.0	MxM	band		Fol-wk	Zone. Foliated MxM with strong fracture controlled and interstitial limonite and hematite alteration. Fracture controlled clay. Local stockwork of limonite fractures form a monomictic breccia of silicified gneiss clasts supported by clay filled fractures. Patchy sericite alteration visible.		
		130.2 - 133.0		Pervasive Strong Clay	Patchy Weak Sericitisation		
133.0 - 134.1	PB	bx			Weakly brecciated metacarbonate. Jigsaw fit, angular, carbonate clasts with a very nweak patchy fracture controlled limonite staining.		
		133.0 - 134.1		Pervasive Intense Calcite			
134.1 - 161.1	MxM	band		Fol-wk	Zone. Foliated MxM with strong fracture controlled and interstitial limonite and hematite alteration. Weak, patchy carbonate. Feldspars and interstitial network replaced by limonite stained clay. Patchy monomictic breccia consisting of medium to coarse grained rounded to angular geniss clasts supported in a limonite clay matrix.		
		134.1 - 161.1		Pervasive Moderate Clay	Patchy Weak Calcite		
161.1 - 162.0	AmBtS	band		Fol-wk	Silica-sericite, and chlorite altered schist. Weak interstitial carbonate alteration.		
		161.1 - 162.0		Pervasive Moderate Sericitisation	Pervasive Weak Calcite	Pervasive Weak Chlorite	
162.0 - 163.8	SZ	band		Fol-str	Shear zone defined by white clay fault pug with strong pervasive carbonate alteration. Patchy weak limonite alteration throughout and limonite alteration along down hole contact. Weak, green chlorite alteration.		
		162.0 - 163.8		Pervasive Intense Clay	Pervasive Intense Calcite	Pervasive Weak Chlorite	
163.8 - 164.7	BtS	band		Fol-wk	Dark grey, fine grained, weakly foliated biotite schist. Weak pervasive, interstitial carbonate alteration.		
		163.8 - 164.7		Pervasive Moderate Calcite	Pervasive Moderate Sericitisation	Pervasive Moderate Silicification	
164.7 - 165.8	SZ	band		Fol-str	Shear zone defined by pale green, chlorite altered, clay. Weak, patchy limonite alteration and strong pervasive carbonate alteration.		
		164.7 - 165.8		Pervasive Intense Clay	Pervasive Intense Calcite	Pervasive Weak Chlorite	
165.8 - 169.8	MxM	band		Fol-wk	Mxm with strong mafic component and minor gneissose bands. Pervasive, strong carbonate alteration. Silica-sericite and chlorite alteration. Weak, patchy fracture controlled limonite. Patchy epidote alteration.		
		165.8 - 169.8		Patchy Weak Epidote	Pervasive Moderate Calcite	Pervasive Weak Chlorite	
169.8 - 170.3	AmBtS	band			Shear, amphibole strong schist, strongly altered to green, chloritic clay.		
		169.8 - 170.3		Pervasive Strong Clay	Pervasive Strong Calcite	Pervasive Weak Chlorite	
170.3 - 177.5	MxM	band		Fol-wk	MxM with feldspars altered to limonite stained clay. Silica-sericite alteration. Patchy strong interstitial carbonate alteration.		
		170.3 - 182.1		Pervasive Moderate Sericitisation	Pervasive Moderate Silicification	Pervasive Moderate Calcite	
177.5 - 182.1	MxM	band		Fol-wk	Zone. Patchy strong oxidation with fracture controlled limonite and hematite alteration. Patchy sooty sulphides in unoxidised rock.		
182.1 - 183.5	UM	band		Fol-wk	Soapy texture to rock with pale green, carbonate rich listwanite at the uphole contact with mineralized mxm. Interstitial carbonate alteration and weak fracture controlled limonite alteration		
		182.1 - 183.5		Pervasive Moderate Calcite	Pervasive Moderate Talc	Patchy Weak Chlorite	

183.5 - 192.8	MxM	band	Fol-wk	Mixed zone of Mxm and amphibole biotite schist. Patchy epidote alteration to ambts and pervasive interstitial carbonate alteration throughout.		
		183.5 - 192.8	Pervasive	Moderate Sericitisation	Pervasive Moderate Calcite	Pervasive Moderate Silicification
192.8 - 193.8	MxM	mass		Zone. Strongly oxidised with strong limonite and hematite fracture controlled alteration. Weak to strong pervasive carbonate alteration.		
		192.8 - 193.8	Pervasive	Strong Calcite		
193.8 - 201.7	MxM	band	Fol-wk	Mixed zone of Mxm and amphibole biotite schist. Patchy epidote alteration to ambts and pervasive interstitial carbonate alteration throughout.		
		193.8 - 201.7	Pervasive	Moderate Sericitisation	Pervasive Moderate Silicification	Pervasive Moderate Calcite
201.7 - 202.0	SZ	band		Shear zone defined by green fault pug. Strong, pervasive carbonate alteration. Chlorite alteration and soapy texture. Possible sheared ultramafic.		
		201.7 - 202.0	Pervasive	Strong Clay	Pervasive Moderate Chlorite	Pervasive Moderate Calcite
202.0 - 203.4	MxM	band	Fol-wk	MxM with moderate interstitial carbonate alteration. Pervasive silica sericite alteration.		
		202.0 - 203.4	Pervasive	Moderate Sericitisation	Pervasive Moderate Silicification	Pervasive Weak Calcite
203.4 - 203.5	SZ	band		Shear zone defined by green fault pug. Strong, pervasive carbonate alteration. Chlorite alteration and soapy texture. Possible sheared ultramafic.		
		203.4 - 203.5	Pervasive	Strong Clay	Pervasive Moderate Chlorite	Pervasive Moderate Calcite
203.5 - 210.2	MxM	band	Fol-wk	Silica-sericite altered Mxm. Weak, patchy interstitial carboante alteration. Moderate fracture controlled limonite alteration.		
		203.5 - 213.2	Pervasive	Moderate Silicification	Pervasive Moderate Sericitisation	Pervasive Moderate Calcite
210.2 - 213.2	MxM	band	Fol-wk	Zone. Patchy strong oxidation associated with strong fracture controlled limonite and hematite alteration. Patches of fresh rock have pervasive matrix sooty sulphides.		
213.2 - 224.9	MxM	band	Fol-wk	Silica-sericite altered Mxm. Patchy green epidote alteration. Patchy orange clay alteration to feldspars.		
		213.2 - 224.9	Pervasive	Moderate Silicification	Pervasive Moderate Sericitisation	Pervasive Moderate Calcite
224.9 - 228.4	MxM	mass		Weak-zone. Weak, patchy oxidation associated with weak fracture controlled limonite. Strongly silicified. Weak, patchy interstitial carbonate alteration. Patchy interstitial hematite alteration.		
		224.9 - 257.0	Pervasive	Moderate Silicification	Pervasive Moderate Sericitisation	Pervasive Moderate Calcite
228.4 - 237.3	MxM	band	Fol-wk	Weakly foliated Mxm. Silica-sericite alteration and patchy, moderate interstitial carbonate alteration.		
237.3 - 243.4	MxM	band		Weak zone. Weakly foliated, orange Mxm. Weakly oxidised and limonite altered. Patchy moderate limonite and hematite alteration. Weak interstitial arbonate alteration.		
243.4 - 257.0	MxM	band	Folded	Silica-sericite altered Mxm with patchy fracture controlled limonite alteration. Patchy interstitial caronate alteration.		

Drill Log: CFD0466

Easting	580833.33	Hole Length	5m	Prospect	Heap Leach	Drill Started	Sep 24, 2014	Comment	Shallow well install. Install failed due to slumping & contamination from CFD0462 grout. No core to recover.
Northing	6971374.37	Azimuth	0°	Target	Hydro BH01	Drill Completed	Sep 24, 2014		
Projection	UTM7-NAD83	Dip	-90°	Geologist		Core Size	HQ		
Survey method	RTK GPS	Elevation	1155.36mASL						

Lithology and Alteration

Interval	Lith	Texture	Deformation	Comments
0.0 - 5.0	OVB			

Drill Log: CFD0467

Easting	583923.35	Hole Length	257 m	Prospect	Supremo T1-2	Drill Started	Sep 24, 2014	Comment	Lost a lot of material from 20-26m(50%).
Northing	6974277.12	Azimuth	270°	Target	Infill	Drill Completed	Sep 27, 2014		Need to redrill top 26m in 2015 when we drill IFSPD049.
Projection	UTM7-NAD83	Dip	-50°	Geologist	HWalsh	Core Size	NQ2		
Survey method	RTK GPS	Elevation	1286.68mASL						

Litholoav and Alteration

Interval	Lith	Texture	Deformation	Comments
0.0 - 3.5	OVb			Gneiss rubble
		0.0 - 4.9	Pervasive Weak Silicification	Patchy Moderate Sericitisation
3.5 - 5.0	FG	band		Cream felsic gneiss, moderately fractured.. Alteration is weak clay, moderate patchy. Oxidation is weak limonite.
		4.9 - 9.0	Pervasive Moderate Clay	Patchy Moderate Calcite Pervasive Moderate Chlorite
5.0 - 9.1	BtS_carb	lamn		Green biotite-chlorite-calcite schist. Weakly porphyroblastic. Alteration is moderate to strong clay. Oxidation is weak and fracture controlled. strongly banded
		9.0 - 13.4	Pervasive Weak Silicification	Patchy Moderate Sericitisation Patchy Moderate Clay
9.1 - 11.9	MxF	band		Mixed gneiss, felsic dominated. Moderate silicification. Alteration is moderate sericite, weak clay. Chlorite patchily replaces mafics.
11.9 - 12.2	Ycarb	bx		Orange limonite-carb rock flour matrix, clast supported angular gneiss country rock clasts, irregular contact breccia.
12.2 - 13.4	MxF	band		Mixed gneiss as above breccitation
		13.4 - 19.6	Patchy Moderate Clay	Pervasive Moderate Chlorite Patchy Moderate Calcite
13.4 - 19.5	BtS_carb	band	Fol-mod	Green biotite-chlorite-carb banded gneiss. Alteration is strong chlorite, moderate calcite, felsic-replacing clay. Weakly sheared.
19.5 - 22.9	Ycarb	bx		Orange limonite-carb rock flour matrix, clay altered and uncemented, clasts are angular gneiss. Contact is fractured and not visable
		19.6 - 25.7	Pervasive Strong Clay	
22.9 - 29.0	BtS_carb	band		biotite-carb as above
		25.7 - 27.9	Pervasive Moderate Chlorite	Patchy Moderate Calcite Pervasive Weak Clay
		27.9 - 30.2	Pervasive Moderate Sericitisation	Pervasive Weak Silicification Patchy Weak Clay
29.0 - 85.2	MxF	band		Felsic dominated gneiss, lenses of biotite-carb schist up to 1m. Alteration is patchy felsic-replacing clays, moderate sericite and silicification. Oxidation is generally patchy limonite, up to 2%, and hematite staining.
		30.2 - 38.5	Replaces Felsics Moderate Clay	Patchy Moderate Sericitisation
		38.5 - 43.2	Pervasive Moderate Silicification	Replaces Felsics Moderate Clay Patchy Moderate Sericitisation
		43.2 - 49.1	Pervasive Moderate Silicification	Patchy Moderate Sericitisation
		49.1 - 55.9	Patchy Weak Silicification	Replaces Felsics Weak Clay Patchy Moderate Sericitisation
		55.9 - 58.3	Patchy Moderate Clay	Patchy Moderate Sericitisation Patchy Weak Silicification
		58.3 - 62.3	Pervasive Moderate Silicification	Patchy Weak Clay Patchy Moderate Sericitisation
		62.3 - 64.2	Replaces Felsics Moderate Clay	Patchy Moderate Sericitisation
		64.2 - 93.3	Pervasive Moderate Silicification	Patchy Moderate Sericitisation Replaces Mafics Weak Chlorite
85.2 - 110.4	MxM	band		mafic dominated gneiss, strongly foliated. Transition is gradual between felsic and mafic gneisses. Lenses of bbiotite-chlorite-calcite schist continue, varying in strength of foliation. From 88m-89m medium grained nonfoliated patches of the same composition as schist.
		93.3 - 115.5	Replaces Felsics Moderate Clay	Patchy Moderate Sericitisation Patchy Moderate Silicification
110.4 - 110.6	FC	mgrn		Clay and epidote altered medium grained dike. Brassy pyrite disseminated throughout. Sharp contacts, weakly foliated and strongly oxidized margins
110.6 - 117.3	MxF	band		felsic gneiss, alteration is moderatefelsic replacing clays, weak sericite. Oxidation is weak to moderate and disseminated limonite.
		115.5 - 117.3	Replaces Felsics Strong Clay	Patchy Moderate Sericitisation Pervasive Weak Silicification
		117.3 - 118.0	Pervasive Strong Clay	

117.3 - 119.0	YC	bxi	immature breccia, uncemented. Cream coloured clay matrix, angular silicified and sooty sulphide clasts. Chaotic and clast supported with a sharp contact 60 degrees tca. patchy limonite oxidation.		
		118.0 - 121.2	Replaces Mafics Strong Clay	Patchy Moderate Sericitisation	Pervasive Weak Silicification
119.0 - 139.3	MxF	band	Felsic gneiss as above dike. Oxidation increasing downhole moderate to patchily strong. Alteration is moderate to strong felsic-replacing clay. Patchy silicification.		
		121.2 - 127.6	Replaces Felsics Moderate Clay	Patchy Moderate Sericitisation	Pervasive Weak Silicification
		127.6 - 131.1	Pervasive Moderate Silicification	Pervasive Moderate Clay	Patchy Weak Sericitisation
		131.1 - 134.4	Replaces Felsics Strong Clay	Pervasive Weak Silicification	
		134.4 - 138.5	Replaces Felsics Moderate Clay	Pervasive Moderate Silicification	Patchy Weak Sericitisation
		138.5 - 139.6	Pervasive Moderate Silicification	Pervasive Moderate Sericitisation	
139.3 - 140.1	MsRQM	lamn	Fol-str	muscovite-sericite-quartz mylonite. Oxidation is fracture controlled limonite and disseminated sooty sulphides up to 1%, weak brassy pyrite.	
		139.6 - 140.2	Pervasive Strong Silicification	Pervasive Strong Sericitisation	
140.1 - 156.3	MxF	band	Fol-mod	Cream felsic gneiss, alteration is moderate to strong felsic-replacing clays, patchy silicification, weak calcite. Lenses of biotite-chlorite-calcite schist.	
		140.2 - 144.4	Pervasive Moderate Silicification	Patchy Weak Calcite	Replaces Mafics Weak Chlorite
		144.4 - 152.6	Pervasive Moderate Silicification	Pervasive Weak Clay	Patchy Weak Sericitisation
		152.6 - 156.3	Replaces Felsics Strong Clay		
		156.3 - 161.1	Pervasive Moderate Silicification	Patchy Moderate Sericitisation	Patchy Weak Clay
156.3 - 172.6	MxF	augn	Fol-mod	Augen gneiss with lenses of amphibole-biotite-chlorite-calcite schist, schist is sheared at contacts with gneiss. Alteration is moderate silica flooding and sericite, patchy chlorite, and calcite. strong chlorite-clay alteration from 162.1-162.4. Green chlorite-clay alteration also seen on fracture faces. Oxidation is moderate limonite and hematite staining, weak disseminated brassy pyrite.	
		161.1 - 161.2	Pervasive Strong Clay	Pervasive Moderate Chlorite	
		161.2 - 165.6	Pervasive Moderate Silicification	Patchy Moderate Sericitisation	
		165.6 - 169.0	Pervasive Weak Silicification	Pervasive Weak Clay	Patchy Weak Calcite
		169.0 - 172.5	Pervasive Moderate Clay		
		172.5 - 173.5	Pervasive Strong Clay		
172.6 - 173.1	YC	bxi	immature breccia, uncemented. Cream coloured clay matrix, subrounded silicified clasts. Chaotic and clast supported. Strong limonite alteration.		
173.1 - 182.8	MxF	augn	gneiss continues as above brecciation		
		173.5 - 182.8	Pervasive Strong Silicification	Patchy Weak Calcite	
182.8 - 193.0	AmBTs	lamn	Fol-mod	green biotite-chlorite-amphibole schist, alteration is moderate to strong chlorite calcite. Oxidation is disseminated brassy pyrite, fracture controlled limonite. lenses of silica flooded felsic gneiss.	
		182.8 - 189.2	Patchy Moderate Silicification	Patchy Moderate Calcite	
		189.2 - 194.6	Patchy Moderate Calcite	Fracture Controlled Moderate Clay	Replaces Mafics Moderate Chlorite
193.0 - 257.0	MxF	augn	Fol-mod	Augen gneiss, moderate to strongly silica flooded, moderate chlorite replacing mafics and filling fractures/on fracture faces, minor calcite, oxidation is weakly patchy limonite and on fracture faces, hematite staining and disseminated brassy pyrite throughout. calcite and chlorite veining. weak fracturing	
		194.6 - 200.5	Pervasive Strong Silicification	Replaces Mafics Moderate Chlorite	Patchy Moderate Calcite
		200.5 - 210.8	Pervasive Strong Silicification	Vein Selvege Weak Calcite	
		210.8 - 257.0	Pervasive Moderate Silicification	Replaces Mafics Moderate Chlorite	Patchy Moderate Calcite

Drill Log: CFD0468

Easting	584409.36	Hole Length	236m	Prospect	Supremo T4	Drill Started	Sep 26, 2014	Comment
Northing	6973583.02	Azimuth	270°	Target		Drill Completed	Sep 28, 2014	
Projection	UTM7-NAD83	Dip	-50°	Geologist	KGrodzicki	Core Size	NQ2	
Survey method	RTK GPS	Elevation	1099.36mASL					

Litholoav and Alteration

Interval	Lith	Texture	Deformation	Comments
0.0 - 3.0	OVb			
3.0 - 19.4	MxF	band	Fol-wk	Mixed gneiss with silica sericite alteration and weak fracture controlled limonite. Patchy limonite stained clay replacement of feldspars
		3.0 - 44.8	Patchy Moderate Silicification	Patchy Moderate Sericitisation Patchy Weak Clay
19.4 - 24.7	MxF	band	Fol-wk	Weak zone. Weakly oxidised mxf. Silica-sericite alteration and fracture controlled limonite. Clay replacement of feldspars
24.7 - 39.8	MxF	band	Fol-wk	Mixed gneiss with patchy weak fracture controlled limonite. Silica-sericite alteration and weak interstitial limonite alteration.
39.8 - 44.8	MxF	band	Fol-wk	Zone. Patchy fracture controlled limonite and hematite. Patchy fracture controlled clay alteration and alteration of feldspars. Interstitial limonite alteration along with sericite alteration.
44.8 - 54.5	FC	mass		Zone. Bleached, fine grained felsic dyke in mineralized zone. Massive texture with fracture controlled limonite and hematite staining throughout. Strong silicification. Patchy brecciation of silicified sub rounded dyke clasts supported in a limonite clay matrix.
		44.8 - 54.5	Pervasive Strong Silicification	Fracture Controlled Weak Clay
54.5 - 68.3	MxF	band	Fol-wk	Zone shoulder. Brown Mxf with fracture controlled limonite and patchy fracture controlled hematite, both strong locally. Fracture controlled clay alteration to interstitial network and sericite alteration and patchy silicification. Patchy carbonate veins parallel to foliation.
		54.5 - 68.3	Pervasive Moderate Clay	Moderate Sericitisation
68.3 - 91.3	MxF	band	Fol-wk	Mixed gneiss with patchy strong mafic component. Patchy interstitial clay alteration and patchy, weak, irregular epidote alteration. Rare fracture controlled limonite.
		68.3 - 91.3	Pervasive Moderate Sericitisation	Patchy Weak Silicification Fracture Controlled Weak Clay
91.3 - 93.1	MxF	band	Fol-wk	Weak zone. Weak oxidation and fracture controlled and interstitial limonite alteration. Interstitial clay alteration particularly to feldspars.
		91.3 - 93.1	Fracture Controlled Weak Clay	Pervasive Moderate Sericitisation
93.1 - 122.6	MxF	band	Fol-wk	Mixed felsic gneiss. Strongly silicified and sericite alteration. Clay alteration to mafic component.
		93.1 - 122.6	Pervasive Strong Silicification	Pervasive Strong Sericitisation Replaces Mafics Weak Calcite
122.6 - 128.3	MxF	band	Fol-wk	Weak zone. Weak oxidation with fracture controlled and interstitial limonite and hematite alteration. Feldspars and interstitial network replaced by limonite stained clays
		122.6 - 128.3	Pervasive Moderate Silicification	Pervasive Moderate Sericitisation Fracture Controlled Weak Clay
128.3 - 129.3	MxF	band	Fol-wk	Strongly silicified and sericite altered MxF. Patchy chlorite and epidote alteration to mafic bands.
		128.3 - 129.3	Patchy Strong Silicification	Pervasive Strong Sericitisation
129.3 - 133.8	AmBtS	band	Fol-wk	Chlorite and patchy epidote altered green amphibole schist. Epidote preferentially replaces foliation and occurs around fractures. Strong carbonate alteration of interstitial network, locally associated with epidote and micro fractures. Sericite alteration and strongly silicified.
		129.3 - 133.8	Pervasive Strong Calcite	Pervasive Moderate Chlorite Pervasive Moderate Epidote
133.8 - 169.4	MxF	band	Fol-wk	Strongly silicified MxF with sericite alteration of biotite. Thin bands (~20cm) of amphibole rich schist present locally with patchy epidote alteration. Fracture controlled limonite and associated weak oxidation. Pegmatitic veins present locally.
		133.8 - 169.4	Patchy Weak Calcite	Pervasive Strong Silicification Pervasive Strong Sericitisation
169.4 - 179.4	MxF	band	Fol-wk	Zone. Strongly oxidised, foliated MxF with patches of massive hydrothermally altered rock. Strong fracture controlled limonite and hematite alteration. Strong fracture controlled clay with associated carbonate alteration. Patchy brecciation - hydrothermally altered, sub rounded silicified clasts supported in a limonite clay matrix.
		169.4 - 179.4	Pervasive Strong Clay	Patchy Weak Calcite

179.4 - 188.2	MxF	band	Fol-wk	Silicified and sericite altered mixed gneiss. Patchy, weak fracture controlled limonite and white clay alteration.		
		179.4 - 188.2	Pervasive	Strong Silicification	Pervasive Moderate Sericitisation	
188.2 - 188.6	MxF	mass		Zone. Strongly oxidised and hydrothermally altered gneiss. Strong fracture controlled limonite and hematite alteration. Moderate fracture controlled, limonite stained clay.		
		188.2 - 188.6	Fracture Controlled	Moderate Clay		
188.6 - 196.4	MxF	band	Fol-wk	Felsic mixed gneiss with weak fracture controlled limonite and patchy hematite alteration. Strong silica-sericite alteration.		
		188.6 - 196.4	Pervasive	Strong Silicification	Pervasive Strong Sericitisation	Fracture Controlled Weak Clay
196.4 - 197.2	BtS	mass	Fol-wk	Massive to weakly foliated BtS. Strong, pervasive carbonate alteration and weak silicification and sericitization.		
		196.4 - 197.2	Pervasive	Strong Calcite	Pervasive Moderate Silicification	Pervasive Moderate Sericitisation
197.2 - 197.7	FLT	mass		Clay rich, orange, oxidised fault pug and broken BtS. Strongly oxidised and limonite altered with weak, patchy carbonate alteration.		
		197.2 - 197.7	Pervasive	Strong Clay	Patchy Weak Calcite	
197.7 - 205.3	BtS	band	Fol-wk	Weakly silica-sericite altered biotite schist with patchy amphibole rich zones. Patchy epidote alteration, in particular to amphibole rich areas. Weak, patchy carbonate alteration, stronger where associated with epidote.		
		197.7 - 205.3	Pervasive	Strong Calcite	Pervasive Moderate Silicification	Pervasive Moderate Sericitisation
205.3 - 231.3	MxF	band	Fol-wk	Mixed felsic dominated gneiss. Moderately silicified and sericite altered. Patchy, weak carbonate alteration to mafic bands. Weak fracture controlled limonite alteration.		
		205.3 - 231.3	Pervasive	Moderate Sericitisation	Pervasive Moderate Silicification	Replaces Mafics Moderate Calcite
231.3 - 232.5	IV	phyr		Subrounded to angular porphyritic andesite dyke. Strongly carbonate altered, particularly to quartz phenocrysts.		
		231.3 - 232.5	Replaces Clasts	Strong Calcite	Pervasive Strong Silicification	
232.5 - 236.0	MxF	band	Fol-wk	Silicified and sericite altered mixed felsic dominated gneiss. Patchy carbonate alteration particularly to mafic component.		
		232.5 - 236.0	Pervasive	Strong Silicification	Pervasive Strong Sericitisation	Replaces Mafics Moderate Calcite

Drill Log: CFD0469

Easting	584442.21	Hole Length	305m	Prospect	Supremo T3	Drill Started	Sep 27, 2014	Comment Core recovery 80% 203-206m (mineralized). Elected not to redrill, loss to resource not worth 3-4 drill shifts to redrill.
Northing	6974625.72	Azimuth	270°	Target	Infill	Drill Completed	Oct 29, 2014	
Projection	UTM7-NAD83	Dip	-50°	Geologist	CDavis	Core Size	NQ2	
Survey method	RTK GPS	Elevation	1243.13mASL					

Lithology and Alteration

Interval	Lith	Texture	Deformation	Comments
0.0 - 6.0	OVb			non recovered
6.0 - 17.0	MxF	band		weathered MXF, felsic bands with micaceous seams bt +/- musc, var vuggy, mod perv oxide, heavy frac, fol 40-50CA
		6.0 - 17.0	Fracture Controlled Moderate Clay	Patchy Moderate Silicification Patchy Moderate Sericitisation
17.0 - 41.0	MxF	band		pink-grey felsic var white augens, mod fol 30-40CA, hard = sil (non-glassy), occasional mafic rich band with strong chl (black) alt, weak-no oxide, weak frac lim
		17.0 - 41.0	Pervasive Moderate Silicification	Replaces Mafics Moderate Chlorite
41.0 - 89.2	MxF	band		lith as above, alternating zones of var oxidation & clay alt intensity, fol 50-60CA
		41.0 - 45.5	Pervasive Moderate Silicification	Replaces Felsics Weak Clay
		45.5 - 62.0	Pervasive Moderate Silicification	Replaces Mafics Moderate Chlorite Fracture Controlled Weak Clay
		62.0 - 63.0	Fracture Controlled Moderate Clay	Patchy Moderate Silicification Patchy Moderate Sericitisation
		63.0 - 63.9	Fracture Controlled Strong Clay	Pervasive Strong Sericitisation Patchy Moderate Silicification
		63.9 - 71.6	Fracture Controlled Moderate Clay	Patchy Moderate Silicification Patchy Moderate Sericitisation
		71.6 - 73.2	Pervasive Moderate Silicification	Replaces Mafics Moderate Chlorite
		73.2 - 75.3	Fracture Controlled Moderate Clay	Pervasive Strong Sericitisation Patchy Moderate Silicification
		75.3 - 78.2	Pervasive Moderate Silicification	Replaces Mafics Moderate Chlorite Patchy Weak Sericitisation
		78.2 - 80.5	Fracture Controlled Strong Clay	Patchy Moderate Silicification Patchy Moderate Sericitisation
		80.5 - 88.9	Pervasive Moderate Silicification	Replaces Mafics Moderate Chlorite Patchy Weak Sericitisation
		88.9 - 90.8	Pervasive Strong Clay	Pervasive Moderate Sericitisation
89.2 - 90.8	IV	mass		strongly alt clay zone, crumbly to malleable, sharp upper contact 20-30CA, protolith difficult to determine due to alteration whether finely ground brecciation of FxM or a mafic dyke which are bounding units
90.8 - 94.1	IV	fgrn		fine massive unit +/- fine-med white phenos
		90.8 - 96.8	Pervasive Weak Silicification	Replaces Mafics Weak Chlorite
94.1 - 102.0	MxF	band		alternating bands of chl alt bt sch and pink felsic +/- augen bands, fol 40-50CA, alternating zones of var weak oxidation & clay +/- musc alt intensity
		96.8 - 102.0	Pervasive Moderate Silicification	Patchy Moderate Sericitisation Replaces Felsics Weak Clay
102.0 - 121.9	MxF	band		predominantly felsic augen gneiss with green chl bt schist intervals
		102.0 - 121.9	Pervasive Moderate Silicification	Replaces Mafics Strong Chlorite
121.9 - 144.7	MxF	band		as above with occasional zones with stronger closed fracturing with var hem weak-strong & lim halos-perv oxide
		121.9 - 144.7	Patchy Moderate Silicification	Patchy Moderate Sericitisation Fracture Controlled Strong Clay talc = musc?
144.7 - 198.5	MxF	band		alternating patches of stronger oxide & non oxide in felsic augen gneiss +/- chl bt +/- talc/musc schist var none-mod frac controlled clay alt, low As XRF anomalies assoc with oxed (lim +/- frac hem)
		144.7 - 198.5	Pervasive Moderate Silicification	Replaces Mafics Strong Chlorite

198.5 - 200.7	FG	band	felsic gneiss with augens, perv oxide, weakly fractured with lim +/- hem		
		198.5 - 228.2	Patchy Moderate Sericitisation	Patchy Moderate Silicification	Fracture Controlled Strong Clay
200.7 - 241.1	MxF	band	patchy strongly oxidized felsic gneiss with var moderately brecciated zones, perv-interstitial lim & var dark brown-red frac hem		
		228.2 - 241.1	Patchy Moderate Sericitisation	Patchy Moderate Silicification	Fracture Controlled Weak Clay
241.1 - 246.7	IV	phyr	dark grey matrix with angular white phenos <=5mm		
		241.1 - 245.2	Pervasive Moderate Silicification	Pervasive Weak Chlorite	Replaces Felsics Weak Clay
		245.2 - 246.7	Pervasive Moderate Silicification	Pervasive Moderate Sericitisation	Replaces Felsics Weak Clay
246.7 - 256.2	MxF	band	strongly oxidized MxF zone		
		246.7 - 250.0	Pervasive Moderate Silicification	Pervasive Weak Sericitisation	Pervasive Weak Chlorite
		250.0 - 251.6	Pervasive Moderate Silicification	Pervasive Moderate Sericitisation	Replaces Felsics Moderate Clay
		251.6 - 254.4	Patchy Moderate Sericitisation	Patchy Moderate Clay	Patchy Weak Silicification
		254.4 - 259.5	Patchy Moderate Silicification	Patchy Strong Sericitisation	Patchy Weak Clay
256.2 - 259.5	IV	fgrn	fine grain massive with possible chill margin, strongly altered - mafic protolith?, oxide var mottled pattern		
259.5 - 262.2	FG	cgrn	strongly clay altered felsic gneiss, friable -malleable		
		259.5 - 262.2	Pervasive Strong Clay	Pervasive Moderate Sericitisation	
262.2 - 265.5	MxF	band	strongly altered, protolith may be dyke or mix of dyke & MxF		
		262.2 - 265.5	Pervasive Moderate Silicification	Pervasive Strong Sericitisation	
265.5 - 305.0	MxF	band	unaltered MxF, felsic bands +/- augen mod sil alt, bt schist = strong chl alteration, common vugs		
		265.5 - 305.0	Pervasive Moderate Silicification	Replaces Mafics Moderate Chlorite	

Drill Log: CFD0470

Easting	584011.56	Hole Length	254m	Prospect	Supremo T1-2	Drill Started	Sep 27, 2014	Comment Core recovery 82% 155-158m (mineralized). Elected not to redrill, loss to resource not worth 3-4 drill shifts to redrill.
Northing	6974681.2	Azimuth	270°	Target	Infill	Drill Completed	Sep 30, 2014	
Projection	UTM7-NAD83	Dip	-50°	Geologist	HWalsh	Core Size	NQ2	
Survey method	RTK GPS	Elevation	1257.57mASL					

Lithology and Alteration

Interval	Lith	Texture	Deformation	Comments
0.0 - 6.4	OVB			rubbly gneiss
		0.0 - 19.2	Pervasive Moderate Silicification	Replaces Mafics Weak Chlorite Patchy Weak Clay
6.4 - 50.2	MxF	band		Grey weakly augen banded felsic dominated gneiss. Lenses of biotite schist with varying degrees of foliation. Alteration is weak mafic-replacing chlorite, moderate pervasive silica flooding. clay preferentially altering BtS carb lenses. Fracturing is generally weak with discrete highly fractured zones - minor fault zone?. Oxidation is moderate disseminated hematite staining, moderate patchy and fracture-controlled limonite.
		19.2 - 20.3	Replaces Felsics Moderate Clay	
		20.3 - 25.3	Pervasive Moderate Silicification	Replaces Mafics Weak Chlorite Patchy Weak Clay
		25.3 - 26.6	Pervasive Strong Clay	Replaces Mafics Weak Chlorite
		26.6 - 31.3	Pervasive Moderate Silicification	Patchy Weak Clay
		31.3 - 50.7	Pervasive Moderate Silicification	Replaces Mafics Weak Chlorite Patchy Weak Clay
50.2 - 104.0	MxF	band		Cream felsic-dominated gneiss. Alteration is felsic-replacing clays throughout, with patchy seritization. Oxidation is weakly disseminated limonite, strong in patches and patchy hematite. Lenses of BtS <20cm.
		50.7 - 56.0	Replaces Felsics Moderate Clay	Pervasive Weak Silicification
		56.0 - 61.0	Pervasive Moderate Silicification	Replaces Mafics Moderate Chlorite
		61.0 - 65.1	Replaces Felsics Moderate Clay	Patchy Weak Sericitisation
		65.1 - 68.2	Pervasive Moderate Silicification	Replaces Mafics Moderate Chlorite Patchy Moderate Sericitisation
		68.2 - 80.0	Replaces Felsics Moderate Clay	Patchy Moderate Sericitisation Patchy Weak Silicification
		80.0 - 81.5	Pervasive Moderate Silicification	Replaces Mafics Weak Chlorite
		81.5 - 95.5	Replaces Felsics Strong Clay	Pervasive Weak Silicification Patchy Moderate Sericitisation
		95.5 - 97.5	Pervasive Moderate Sericitisation	Replaces Felsics Weak Clay Pervasive Moderate Silicification
		97.5 - 105.0	Pervasive Moderate Silicification	Patchy Moderate Sericitisation Patchy Weak Clay
104.0 - 120.3	MxF	band	Fol-mod	Alternating lenses of BtS and FG, approx 50% gneiss. Contacts are sheared. Silica flooded porphyroblasts. Oxidation is weak disseminated limonite. Alteration is weak patchy clay (altering BtS preferentially) , moderate sericite, weak calcite.
		105.0 - 109.8	Pervasive Moderate Silicification	Patchy Moderate Chlorite Patchy Moderate Sericitisation
		109.8 - 110.5	Pervasive Moderate Silicification	Patchy Moderate Sericitisation Patchy Moderate Clay
		110.5 - 116.3	Pervasive Moderate Silicification	Pervasive Moderate Sericitisation Replaces Felsics Weak Clay
		116.3 - 118.5	Pervasive Moderate Silicification	Patchy Moderate Sericitisation Patchy Weak Clay
		118.5 - 120.1	Pervasive Moderate Silicification	Patchy Moderate Sericitisation Replaces Felsics Weak Clay
		120.1 - 120.8	Pervasive Strong Clay	
120.3 - 120.6	HU	mass		Hydrothermal clay alteration, primary schistose texture still visible in some areas. strong disseminated hematite and limonite, up to 3% each. unconsolidated at upper contact.
120.6 - 130.6	MsS	lamm		light grey quartz-feldspar-muscovite schist, alteration is weak pervasive clay, sericite. Oxidation is weak limonite-clay on fracture faces.
		120.8 - 125.3	Pervasive Moderate Silicification	Pervasive Moderate Sericitisation Pervasive Weak Clay
		125.3 - 131.3	Pervasive Moderate Silicification	Patchy Moderate Sericitisation Replaces Felsics Weak Clay

130.6 - 132.5	YO	bxi		cream to orange coloured clay matrix angular medium grained monomict country rock clast irregular contact breccia. Breccia is strongly oxidized from 132.29-132.54m, possibly related to dike contact?
		131.3 - 134.6	Fracture Controlled Intense Clay	Pervasive Moderate Silicification Patchy Moderate Sericitisation
132.5 - 134.6	FC	fgrn		Dacite dike, fine grained, relict cubic pyrite(?) about 1%. strong pervasive clay alteration. strongly fractured - fault zone?
134.6 - 135.5	Ylim	bxi		Limonite rock flour matrix chaotic clast supported angular medium grained gneiss, quartz and dike polymict breccia
		134.6 - 139.5	Replaces Felsics Weak Clay	Patchy Moderate Sericitisation
135.5 - 167.9	MxF	augn		Felsic dominated gneiss, weakly augen. Alteration is weak to moderate clay, sericite. Oxidation is patchy weak to moderate limonite, sparsely patchy sooty sulphides. minor vugs. Fracture with gouge sub parallel to core axis from approximately 155m-158m. Quartz vein from 151.44-151.69m.
		139.5 - 151.9	Patchy Moderate Silicification	Patchy Weak Clay Pervasive Moderate Sericitisation
		151.9 - 160.0	Pervasive Strong Silicification	Replaces Felsics Weak Clay
		160.0 - 166.9	Pervasive Moderate Silicification	Replaces Felsics Weak Clay Patchy Moderate Sericitisation
		166.9 - 171.8	Pervasive Moderate Silicification	Pervasive Moderate Clay
167.9 - 168.1	Ylim	bxi		weakly limonite altered clay matrix clast supported sub rounded country rock uncemented irregular contact breccia
168.1 - 203.1	MxF	augn		Grey augen gneiss, weakly fractured, moderate silica flooding throughout. Alteration is moderate patchy felsic-replacing clay, patchy moderate sericite. Oxidation is moderate patchy limonite, moderate primary (?) hematite staining, disseminated brassy pyrite. alternating between moderately altered and oxidized gneiss and relatively fresh augen gneiss. 180-181 quartz-sooty sulphide vein at 10 degrees tca
		171.8 - 176.0	Pervasive Moderate Silicification	Replaces Mafics Weak Chlorite Patchy Weak Sericitisation
		176.0 - 177.8	Pervasive Moderate Silicification	Pervasive Moderate Clay
		177.8 - 183.0	Pervasive Moderate Clay	
		183.0 - 188.8	Pervasive Moderate Silicification	Replaces Mafics Weak Chlorite Patchy Weak Sericitisation
		188.8 - 194.3	Pervasive Moderate Clay	Pervasive Moderate Silicification Patchy Weak Sericitisation
		194.3 - 199.0	Pervasive Moderate Silicification	Patchy Moderate Sericitisation Patchy Weak Chlorite
		199.0 - 202.3	Pervasive Weak Silicification	Replaces Felsics Moderate Clay
		202.3 - 205.6	Pervasive Moderate Silicification	Patchy Moderate Sericitisation Pervasive Moderate Clay
203.1 - 224.0	MxF	augn	Fol-wk	Felsic dominated augen gneiss, lenses of BtS <20cm. Contacts are sheared. Oxidation is moderate disseminated limonite, patchy hematite. Silicified throughout. Alteration is moderate patchy felsic-replacing clays, moderate sericite, weak calcite. Increasing relative freshness downhole.
		205.6 - 224.5	Pervasive Moderate Silicification	Replaces Mafics Weak Chlorite Patchy Moderate Sericitisation
224.0 - 229.6	MxF	augn		Felsic dominated augen gneiss, relatively fresh and unaltered. Oxidation is hematite staining throughout, weak fracture controlled limonite. Alteration is weak patchy chlorite, silica flooding.
		224.5 - 254.0	Pervasive Moderate Silicification	Patchy Weak Sericitisation
229.6 - 229.6	Ylim	bx		limonite matrix angular clast supported country rock breccia
229.6 - 254.0	MxF			as above brecciation

Drill Log: CFD0471

Easting	584143.66	Hole Length	248m	Prospect	Supremo T3	Drill Started	Sep 29, 2014	Comment
Northing	6973580.41	Azimuth	270°	Target	Infill	Drill Completed	Oct 01, 2014	
Projection	UTM7-NAD83	Dip	-50°	Geologist	EBuitenhuis	Core Size	NQ2	
Survey method	RTK GPS	Elevation	1074.09mASL					

Litholoav and Alteration

Interval	Lith	Texture	Deformation	Comments
0.0 - 6.7	OVb			Mud and gneiss rubble
		0.0 - 15.8	Patchy Moderate Sericitisation	Replaces Mafics Weak Clay
6.7 - 27.3	FG	augn		Cream felsic augen gniess. Moderately fractured, with fracture-associated clay alteration, moderate patchy sericite. weakly pitted. Oxidation is very weakly disseminated, moderate in patches. limonite oxidation associated with brecciation contact
		15.8 - 25.9	Patchy Moderate Sericitisation	Fracture Controlled Moderate Clay
		25.9 - 28.2	Patchy Strong Clay	Patchy Strong Silicification
27.3 - 27.7	YO	bxi		Cream coloured clay altered matrix, clast supported sub angular medium grained silicified clast irregular contact breccia
27.7 - 47.5	FG	augn		felsic gniess continuing as above brecciation - oxidation strong at brecciation contact.
		28.2 - 31.0	Patchy Moderate Sericitisation	Replaces Mafics Weak Clay Fracture Controlled Weak Clay
		31.0 - 31.9	Pervasive Weak Clay	Pervasive Strong Silicification
		31.9 - 36.1	Patchy Moderate Sericitisation	Replaces Mafics Weak Clay Pervasive Weak Silicification
		36.1 - 37.9	Pervasive Moderate Silicification	Patchy Weak Clay
		37.9 - 38.8	Pervasive Weak Silicification	Patchy Moderate Sericitisation Patchy Weak Clay
		38.8 - 40.9	Pervasive Moderate Silicification	Pervasive Moderate Sericitisation
		40.9 - 42.6	Pervasive Strong Silicification	
		42.6 - 46.4	Pervasive Moderate Sericitisation	Pervasive Moderate Silicification Pervasive Weak Clay
		46.4 - 47.5	Pervasive Moderate Sericitisation	Pervasive Moderate Silicification
47.5 - 71.4	MxF	augn		Mixed gneiss, felsic dominant, patches of mod sericite, mod chlorite after mafics, up to .75% frac cont limonite.
		47.5 - 71.4	Patchy Moderate Sericitisation	Replaces Mafics Moderate Chlorite
71.4 - 101.3	BtS	pblst		Biotite schist, minor calcite throughout. Weak chlorite in patches, well foliated, minor .1% fracture controlled limonite.
		71.4 - 101.3	Replaces Mafics Weak Chlorite	Fracture Controlled Weak Clay
101.3 - 128.6	MxF	band		Mixed gneiss, pink-cream felsic gneis with slips of schist within. Patches of epidote within schist, moderate patches of silica in gneiss
		101.3 - 128.6	Patchy Moderate Silicification	Replaces Mafics Weak Chlorite
128.6 - 131.7	IV	fgrn		Fine to med grained black intermed-mafic dyke. Strong calcite component, common veinlets and throughout groundmass. Lower contact strongly clay altered, weakly oxidized. Patch of mineralization at lower contact, with .75% diss sooty sulphide oxidizeing to hematite. Does not extend more than 20cm into schistose unit below.
		128.6 - 131.2	Pervasive Weak Clay	Pervasive Weak Calcite
		131.2 - 131.7	Pervasive Moderate Clay	
131.7 - 143.6	BtS	pblst		Biotite schist, minor portions of more gneissic rock (<50cm). Weak chlorite in patches, weak to moderate clay in fracture zones.
		131.7 - 143.6	Fracture Controlled Moderate Clay	Replaces Mafics Weak Chlorite
143.6 - 146.0	BtS			Oxidized schist, up to 1% remnante sooty pyrite along foliation, 1.5% hematite. Thin (8cm) Ylim breccia at 145.4-145.48m, strong clay alteration.
		143.6 - 146.0	Pervasive Moderate Clay	Pervasive Moderate Sericitisation

146.0 - 184.4	BtS	pblst	Biotite schist, weak to moderate chlorite, some fracture controlled clay. Mildly bleached at ~170m, no mineralization. Thin (<20cm) fracture zones with strong hematite and limonite, minor.	
		146.0 - 184.4	Replaces Mafics Moderate Chlorite	Fracture Controlled Weak Clay
184.4 - 185.7	BtS	Oxidized schist, up to 2% diss limonite, concentrated along a narrow, fracture controlled structure. Moderate to strong clay.		
		184.4 - 185.6	Pervasive Moderate Clay	Pervasive Moderate Sericitisation
		185.6 - 197.4	Replaces Mafics Moderate Chlorite	
185.7 - 197.4	BtS	pblst	Chloritized biotite schist.	
197.4 - 198.6	IV	mgrn	Start of zone: bleached, sericitized, clay altered andesite, appears grey-beige in colour due to alt. Mineralized, up to 2% fracture controlled hematite.	
		197.4 - 198.6	Pervasive Moderate Clay	Pervasive Strong Sericitisation
198.6 - 200.0	HU	Intense clay alteration of main portion of zone. Up to 3% disseminated sooty pyrite through dark clay, oxidized at beginning before reverting to unox sooties. Unsure if hosted within dyke, or contained by dyke.		
		198.6 - 200.0	Pervasive Intense Clay	Pervasive Strong Sericitisation
200.0 - 201.5	IV	mgrn	Medium grained feldspars with aphanitic groundmass. Strong calcite component throughout, alteration. Mineralization has abrupt end at 200m.	
		200.0 - 201.5	Pervasive Weak Clay	Pervasive Weak Calcite
201.5 - 214.4	BtS	pblst	Biotite schist, patches of moderate sericitization and silicification, some rubble zones (<20cm) with 1.5% limonite.	
		201.5 - 214.2	Patchy Moderate Sericitisation	Fracture Controlled Weak Clay Patchy Moderate Silicification
		214.2 - 248.0	Pervasive Strong Silicification	
214.4 - 248.0	MxF	silc	Mixed gneiss, 1-2m thick biotite schist lenses, set within v. hard and silicified white-grey gneiss. Pink-purple hematite after primary pyrite within gneiss.	

Drill Log: CFD0472

Easting	584337.73	Hole Length	206m	Prospect	Supremo T4	Drill Started	Sep 29, 2014	Comment
Northing	6973521.02	Azimuth	270°	Target	Infill	Drill Completed	Oct 02, 2014	
Projection	UTM7-NAD83	Dip	-50°	Geologist	CDavis	Core Size	NQ2	
Survey method	RTK GPS	Elevation	1075.72mASL					

Lithology and Alteration

Interval	Lith	Texture	Deformation	Comments
0.0 - 4.2	OVb			
4.2 - 57.4	BtS	lamn		laminated bt schist 40CA, fine-med +/- fel augen, var vuggy elongate subparallel foliation, patchy weak oxidation, 0.25 frac lim
		4.2 - 57.4	Replaces Mafics Moderate Chlorite	Fracture Controlled Weak Clay Replaces Felsics Weak Clay
57.4 - 60.8	HU	bxm		weak brecciation at either end, strong brecciated centre with stronger clay alt & oxidation, fol 40CA, 61-63m chl filled en-echelon frac sets in two principal directions 15CA & 40CA oblique foliation
		57.4 - 60.8	Patchy Moderate Clay	Patchy Moderate Silicification Patchy Moderate Sericitisation
60.8 - 89.0	BtS	lamn		lam bt sch 50CA, fine-med +/- fle augen, lacks vugs, var oxide patchy to pervasive weak to mod, var bx weak-non, 0.5-1% frac lim +/- hem
		60.8 - 89.0	Replaces Felsics Moderate Clay	Pervasive Moderate Silicification Patchy Moderate Sericitisation
89.0 - 108.8	MxM	band		mix of bt amph schist with minor felsic gneiss, chl alt strong in mafic bands, patchy oxide weak
		89.0 - 108.8	Replaces Mafics Moderate Chlorite	Patchy Moderate Silicification
108.8 - 118.4	MxF	band		mix of felsic gneiss with minor bt schist
		108.8 - 118.4	Pervasive Moderate Silicification	Fracture Controlled Weak Clay
118.4 - 131.0	MxF	band		mix of felsic gneiss & bt schist with var weak brecciation as parallel fractures, mod-strong oxide, 0.5 frac lim +/- hem
		118.4 - 125.4	Patchy Strong Sericitisation	Pervasive Moderate Silicification Fracture Controlled Weak Clay
		125.4 - 136.5	Patchy Strong Sericitisation	Pervasive Moderate Silicification
131.0 - 136.5	HU	bxi		brecciated MxF, strong-intense oxidation red-brown, 131.80-133.20 irregular white qtz vein <=3cm 0-10CA
136.5 - 143.2	MxM	lamn		felsic bands with mafic seams, mod ser alteration, weak-mod patchy oxide
		136.5 - 143.2	Patchy Moderate Sericitisation	Pervasive Moderate Silicification Replaces Felsics Weak Clay
143.2 - 151.6	MBSLT	mass		dark grey-blue green with apple green blotches, var grain fine-med, var erratic fol massive-mod fol, strong perv chl & blothy ser, two zones of strong oxidation with XRF As anomaly, overlapping lower contact, upper contact lost/blocky
		143.2 - 152.3	Pervasive Strong Chlorite	Patchy Moderate Sericitisation Pervasive Moderate Silicification carb veinlet 149.5m

151.6 - 206.0	MxM	lamn	amph-bt schist & bt schist with very minor felsic gneiss, weak chl of mafics, mod sil, patchy weak ser, weak-no clay alt with zones of mod-strong, var oxide weak-none with intense zones		
152.3 - 157.7		Pervasive Moderate Sericitisation	Pervasive Moderate Silicification	Replaces Felsics Weak Clay	
157.7 - 160.3		Pervasive Moderate Silicification	Replaces Mafics Moderate Chlorite	Patchy Weak Sericitisation	
160.3 - 165.5		Pervasive Moderate Silicification	Replaces Mafics Moderate Chlorite	Patchy Moderate Sericitisation	
165.5 - 167.2		Fracture Controlled Moderate Clay	Pervasive Moderate Silicification	Pervasive Moderate Sericitisation brittle>>malleable	
167.2 - 169.6		Pervasive Moderate Silicification	Pervasive Moderate Sericitisation	ser = rosy brown	
169.6 - 178.6		Pervasive Moderate Silicification	Pervasive Moderate Chlorite	Patchy Weak Sericitisation	
178.6 - 189.0		Pervasive Moderate Silicification	Fracture Controlled Moderate Clay	Patchy Moderate Sericitisation	
189.0 - 190.5		Pervasive Moderate Silicification	Patchy Strong Sericitisation		
190.5 - 192.3		Fracture Controlled Moderate Clay	Pervasive Moderate Silicification	Pervasive Moderate Sericitisation brittle>>malleable	
192.3 - 198.0		Pervasive Moderate Silicification	Pervasive Moderate Sericitisation	Fracture Controlled Moderate Clay	
198.0 - 206.0		Pervasive Moderate Silicification	Replaces Mafics Weak Chlorite		

Drill Log: CFD0473

Easting	584400.81	Hole Length	242m	Prospect	Supremo T3	Drill Started	Sep 29, 2014	Comment
Northing	6974675.69	Azimuth	270°	Target	Infill	Drill Completed	Oct 01, 2014	
Projection	UTM7-NAD83	Dip	-50°	Geologist	MSchultz	Core Size	NQ2	
Survey method	RTK GPS	Elevation	1242.6mASL					

Lithology and Alteration

Interval	Lith	Texture	Deformation	Comments
0.0 - 3.5	OVb			
		0.0 - 43.5	Pervasive Moderate Silicification	Pervasive Moderate Sericitisation Patchy Weak Clay qtz/ser alteration consistent throughout, with patchy increase in silica flooding and assoc veins
3.5 - 43.5	FG	band	Fol-str	consistent pink/cream/grey felsic nice, weak augen development in places, variable hematized and oxidized, qtz/ser alteration throughout and qtz flooding patchy, minimal oxide mineralization apparent
43.5 - 44.4	BtS	lamn	Fol-str	interbed of BtS and assoc qfp layers
		43.5 - 44.4	Replaces Mafics Moderate Chlorite	Patchy Weak Clay
44.4 - 55.3	FG	band	Fol-str	consistent pink/cream/grey felsic gneiss, weak augen development, slightly more mafic min towards base
		44.4 - 55.3	Pervasive Moderate Silicification	Pervasive Moderate Sericitisation Patchy Weak Clay minor silica flooding (veins) possibly associated with qtz/ser alt
55.3 - 76.0	FG	band	Fol-str	consistent cream/pink/grey felsic gneiss, weak augen development, minimal oxidation
		55.3 - 76.0	Pervasive Moderate Silicification	Pervasive Moderate Sericitisation qtz/ser alteration very consistent, occasional qtz vein related to flooding
76.0 - 93.9	MxF	band	Fol-str	consistent pink/cream/grey felsic gneiss (90%) with interbeds of BtS (10%), small augen development
		76.0 - 93.9	Pervasive Moderate Silicification	Pervasive Moderate Sericitisation Replaces Mafics Moderate Chlorite chlorite alt in BtS layers, otherwise very consistent rock / alt
93.9 - 102.9	FC	mass		carb altered f.g. dyke cored by intense oxidation / alteration. Carbonate altered throughout and containing carb veins.
		93.9 - 97.0	Pervasive Weak Clay	Pervasive Strong Calcite Pervasively carbonate altered with carb veins
		97.0 - 98.6	Pervasive Intense Clay	Pervasive Weak Calcite Core is complete rubble or finer, dark red / brown
		98.6 - 102.9	Pervasive Weak Clay	Pervasive Strong Calcite Pervasively carbonate altered with carb veins
102.9 - 109.0	FG	band	Fol-str	pink/cream/brown/grey felsic gneiss, starting intact and ending in oxidized (and increasing silicification) rubble in this interval
		102.9 - 109.0	Pervasive Moderate Silicification	Pervasive Moderate Sericitisation Pervasive Moderate Clay Increasing alteration down interval towards intensely altered zone
109.0 - 114.5	FG	band	Fol-str	near total replacement of FG with qtz, remnant foliation rotated (not quite breccia), patchy texture between silicification and oxidation
		109.0 - 114.5	Pervasive Intense Silicification	Pervasive Moderate Sericitisation Pervasive Moderate Clay Near total replacement with qtz
114.5 - 121.0	FG	band	Fol-str	cream/brown FG with decreasing silicification down, remnant fol'n intact, and decreasing down silicification and oxidation
		114.5 - 121.0	Pervasive Moderate Silicification	Pervasive Moderate Sericitisation Pervasive Moderate Clay Decreasing alteration down interval - away from ore zone
121.0 - 135.9	FG	band	Fol-str	consistent pink FG, variably hematized and weakly oxidized throughout, BtS <5%
				oughout
		121.0 - 134.9	Pervasive Moderate Silicification	Pervasive Moderate Sericitisation Pervasive Weak Clay
		134.9 - 140.6	Pervasive Moderate Silicification	Pervasive Weak Sericitisation

135.9 - 140.6	MxF	band	Fol-str	strong pink, consistently hematized FG, diffuse augen development, BtS interval 50cm			
140.6 - 156.0	MxF	band	Fol-str	variably hematized and oxidized MxF			
		140.6 - 145.2	Pervasive Strong Silicification	Pervasive Moderate Sericitisation	Pervasive Moderate Clay		
		145.2 - 149.0	Pervasive Moderate Silicification	Pervasive Moderate Sericitisation	Pervasive Weak Clay		
		149.0 - 156.0	Pervasive Moderate Silicification	Pervasive Moderate Sericitisation			
156.0 - 167.4	FC	mass		carb altered f.g. to m.g. non-porphyritic, highly altered / oxidized walls with a pristine core			
		156.0 - 161.2	Pervasive Moderate Clay	Pervasive Weak Calcite		Altered walls of dyke	
		161.2 - 162.9	Pervasive Strong Calcite	Pervasive Weak Clay		No oxidized core of dyke - carb alteration and assoc carb veins	
		162.9 - 167.4	Pervasive Moderate Clay	Pervasive Weak Calcite		Altered walls of dyke	
167.4 - 192.0	FG	band	Fol-str	variably altered FG, in and out of ore zone, weak augen development, BtS < 3%			
		167.4 - 174.3	Pervasive Moderate Silicification	Pervasive Moderate Sericitisation	Pervasive Moderate Clay		
		174.3 - 178.0	Pervasive Moderate Silicification	Pervasive Moderate Sericitisation	Pervasive Moderate Clay	ore zone alt	
		178.0 - 182.0	Pervasive Moderate Silicification	Pervasive Moderate Sericitisation	Pervasive Weak Clay		
		182.0 - 185.6	Pervasive Moderate Silicification	Pervasive Moderate Sericitisation	Pervasive Moderate Clay	ore zone alt	
		185.6 - 192.0	Pervasive Moderate Silicification	Pervasive Moderate Sericitisation	Pervasive Weak Clay		
192.0 - 202.5	MxF	band	Fol-str	variably altered and hematized MxF containing BtS and possible f.g. mafics			
		192.0 - 202.5	Pervasive Moderate Silicification	Pervasive Moderate Sericitisation	Pervasive Moderate Clay	mixed bag of alteration in MxF	
202.5 - 207.7	IV	mass		largely unaltered IV, possibly two phases - different porphyry mineral contents			
		202.5 - 207.7	Pervasive Weak Chlorite				
207.7 - 242.0	MxF	band		consistent pink/grey/cream FG, with BtS ~15%, diffuse augen development, consistently hematized, variably oxidized			
		207.7 - 223.0	Pervasive Moderate Silicification	Pervasive Moderate Sericitisation	Moderate Clay		
		223.0 - 228.5	Pervasive Moderate Silicification	Pervasive Moderate Sericitisation			
		228.5 - 230.0	Pervasive Moderate Silicification	Pervasive Moderate Sericitisation	Moderate Clay		
		230.0 - 242.0	Pervasive Moderate Silicification	Pervasive Moderate Sericitisation			

Drill Log: CFD0474

Easting	584219.31	Hole Length	194.33m	Prospect	Supremo T1-2	Drill Started	Sep 30, 2014	Comment	Collaring into T3, passing through T3.5 & T2
Northing	6974681.35	Azimuth	270°	Target	Infill	Drill Completed	Oct 02, 2014		
Projection	UTM7-NAD83	Dip	-50°	Geologist		Core Size	NQ2		
Survey method	RTK GPS	Elevation	1256.61mASL						

Lithology and Alteration

Interval	Lith	Texture	Deformation	Comments
0.0 - 4.8	OVb			
		0.0 - 24.4	Pervasive Moderate Clay	Patchy Moderate Sericitisation
4.8 - 9.4	FG	band		Felsic gneiss, weathered and weakly augen. Alteration is moderate patchy clay, sericite. oxidation is weakly disseminated limonite, moderate in patches. strongly fractured.
9.4 - 9.5	Ylim	bx		limonite matrix, clast supported medium grained angular polymict breccia
9.5 - 34.4	FG	band		Felsic gneiss, continuing as above brecciation.
		24.4 - 28.0	Replaces Felsics Moderate Clay	Patchy Moderate Sericitisation
		28.0 - 36.3	Replaces Felsics Moderate Clay	Patchy Moderate Sericitisation
34.4 - 39.9	IV	cgrn		dark grey to black feldspar porphyritic andesite. Contacts are sharp. Minor limonite oxidation. Clay alteration is weakly felsic replacing, very weak calcite.
		36.3 - 39.3	Replaces Felsics Weak Clay	
		39.3 - 44.5	Pervasive Moderate Silicification	Patchy Weak Sericitisation
39.9 - 71.0	FG	band		Augen gneiss, weakly fractured. patchy silicification. Alteration is patchy felsic-replacing clays, sericite. oxidation is weak-moderate disseminated limonite, hematite staining.
		44.5 - 45.5	Replaces Felsics Moderate Clay	
		45.5 - 61.0	Pervasive Moderate Silicification	Patchy Moderate Sericitisation
		61.0 - 64.2	Replaces Felsics Moderate Clay	Patchy Moderate Sericitisation
		64.2 - 68.5	Pervasive Moderate Silicification	Patchy Weak Clay
		68.5 - 72.1	Replaces Felsics Moderate Clay	Patchy Strong Clay
				Patchy Weak Sericitisation
71.0 - 71.2	Ylim	bx		Red-orange hematite-limonite oxidized rock flour matrix, medium grained angular jig-saw fit gneiss clast sharp contact (breccia
71.2 - 129.4	MxF	augn	Fol-mod	gneiss as above brecciation.
		72.1 - 86.4	Pervasive Moderate Silicification	Patchy Moderate Sericitisation
		86.4 - 100.5	Pervasive Moderate Clay	Pervasive Moderate Silicification
		100.5 - 102.8	Pervasive Moderate Silicification	Patchy Moderate Sericitisation
		102.8 - 114.5	Pervasive Moderate Clay	Patchy Moderate Sericitisation
		114.5 - 117.0	Pervasive Moderate Silicification	Patchy Moderate Sericitisation
		117.0 - 132.2	Pervasive Moderate Clay	Pervasive Moderate Silicification
				Patchy Moderate Sericitisation
129.4 - 129.6	Ylim	bx		Orange limonite rock flour matrix with open space, angular medium grained gneiss monomict sharp contact breccia.

129.6 - 146.8	MxF	augn	Fol-wk	Augen felsic gneiss. Lenses of weakly foliated BtS-carb up to 1m, gneiss and schist are weakly sheared at contacts.. Alteration is generally weak patchy felsic-replacing clays, pervasive sericite and silica. calcite veins from 135-138m. Oxidation is weak disseminated limonite, moderate in patches, patchy weak hematite staining.		
		132.2 - 133.0	Pervasive Strong Silicification	Pervasive Moderate Clay	Patchy Moderate Sericitisation	
		133.0 - 135.4	Pervasive Weak Clay	Pervasive Moderate Sericitisation	Pervasive Moderate Silicification	
		135.4 - 140.0	Pervasive Weak Clay	Vein Selvedge Weak Calcite	Patchy Moderate Sericitisation	
		140.0 - 143.9	Replaces Felsics Moderate Clay	Pervasive Moderate Sericitisation		
		143.9 - 145.2	Pervasive Moderate Chlorite	Pervasive Strong Clay	Patchy Moderate Calcite	
		145.2 - 148.0	Patchy Moderate Chlorite	Pervasive Moderate Clay	Pervasive Weak Silicification	
146.8 - 147.1	Ylim	bx		orange limonite matrix silicified angular medium grained chaotic sharp contact breccia.		
147.1 - 151.6	MxF	augn		Augen gneiss, moderately silicified throughout. Calcite-feldspar-silica pegmatite from 149.15-149-35m. Lenses of BtS. Alteration is weak patchy clay. oxidation is moderate patchy limonite.		
		148.0 - 149.5	Pervasive Moderate Silicification			
		149.5 - 162.0	Pervasive Moderate Clay	Patchy Weak Silicification	Patchy Moderate Sericitisation	
151.6 - 152.0	Ylim	bxi		orange-yellow limonite rock flour matrix country rock clast supported medium grained angular gneiss irregular contact breccia.		
152.0 - 156.1	MxF	augn		Augen gneiss, alteration is weak felsic-replacing clay, patchy sericite. Oxidation is disseminated limonite, patchy weak hematite.		
156.1 - 156.2	Ylim	bxi		Weakly brecciated zone, limonite rock flour matrix, jig-saw fit clast supported medium grained gneiss clast supported breccia		
156.2 - 162.2	MxF	augn		Gneiss, as above.		
		162.0 - 167.3	Pervasive Moderate Clay	Patchy Strong Silicification	Fracture Controlled Strong Clay	
162.2 - 166.0	Ylim	bx		Brecciated zone. Limonite and hematite matrix, sub angular clast supported medium grained, unsorted chaotic gneiss and siliceous clast irregular contact breccia		
166.0 - 167.3	MxF	augn		Augen gneiss, alteration is felsic-replacing clays, patchy sericite. Weakly pitted. Oxidation is moderated disseminated limonite.		
167.3 - 167.4	HU	mass		intense clay alteration, moderate pervasive chlorite. Contacts fractured. Protolith unrecognisable - possibly intensely altered BtS lens?		
		167.3 - 167.6	Pervasive Intense Clay			
167.4 - 179.3	MxF	augn		Augen gneiss, alteration is weak patchy clay, sericite. Moderate silica. Oxidation is weak patchy limonite, weak hematite staining, minor disseminated brassy pyrite. Oxidation and alteration decreases downhole.		
		167.6 - 172.8	Replaces Felsics Weak Clay	Pervasive Moderate Silicification	Patchy Weak Sericitisation	
		172.8 - 194.3	Pervasive Moderate Silicification	Patchy Weak Calcite		
179.3 - 194.3	MxF	augn		Augen gneiss, relatively fresh and unaltered. Minor oxidation and alteration.		

Drill Log: CFD0475

Easting	584455.03	Hole Length	329m	Prospect	Supremo T3	Drill Started	Oct 01, 2014	Comment
Northing	6974677.16	Azimuth	272°	Target	Infill	Drill Completed	Oct 05, 2014	
Projection	UTM7-NAD83	Dip	-50°	Geologist	MSchultz	Core Size	NQ2	
Survey method	RTK GPS	Elevation	1233.92mASL					

Lithology and Alteration

Interval	Lith	Texture	Deformation	Comments
0.0 - 3.0	OVB			
3.0 - 14.5	FG	band	Fol-str	weakly hematized FG, washing out in places, very minor pelitic zones
		3.0 - 14.5	Pervasive Weak Silicification	Pervasive Weak Sericitisation
14.5 - 25.2	FG	band	Fol-str	FG with qtz / sericite alteration, some silica flooding - associated opaque qtz veins, increased oxidation and fracturing
		14.5 - 25.2	Pervasive Strong Silicification	Pervasive Moderate Sericitisation Pervasive Moderate Clay
25.2 - 31.6	FG	band	Fol-str	variably oxidized and hematized FG, qtz / sericite alt and qtz flooding still prominent
		25.2 - 31.6	Pervasive Moderate Silicification	Patchy Moderate Sericitisation Pervasive Weak Clay
31.6 - 37.1	FG	band	Fol-str	zone of increasing fracture within FG leading to highly altered ore zone beneath
		31.6 - 37.1	Pervasive Strong Silicification	Pervasive Moderate Sericitisation Pervasive Moderate Clay
37.1 - 38.9	Ylim	bx		monomict, sub-rounded, rotated country rock clasts in limonite matrix support, massive breccia
		37.1 - 38.9	Pervasive Strong Clay	
38.9 - 40.5	FG	band	Fol-str	broken zone beneath BX, same qtz/sericite altered FG
		38.9 - 40.5	Pervasive Moderate Silicification	Pervasive Moderate Sericitisation Pervasive Moderate Clay
40.5 - 56.6	FG	band	Fol-str	consistent weakly oxidized and hematized FG
		40.5 - 56.6	Pervasive Moderate Silicification	Pervasive Weak Sericitisation Pervasive Weak Clay
56.6 - 59.9	FG	band	Fol-str	zone of increasing silicification (flooding), oxidation, 20cm intense qtz veining and breakage (near breccia)
		56.6 - 59.9	Pervasive Intense Silicification	Pervasive Weak Sericitisation Pervasive Moderate Clay
59.9 - 72.0	MxF	band	Fol-str	silicified and weakly oxidized MxF, <15% BtS, silica flooding (opaque qtz veins)
		59.9 - 72.0	Pervasive Strong Silicification	Patchy Weak Sericitisation
72.0 - 78.0	MxF	band	Fol-str	variably oxidized MxF, containing two strongly oxidized (~50cm) zones, <20% BtS,
		72.0 - 78.0	Pervasive Moderate Silicification	Pervasive Weak Sericitisation Pervasive Weak Clay
78.0 - 87.4	MxF	band	Fol-str	relatively intact MxF with <5% BtS, consistently hematized, patchy weak oxidation
		78.0 - 87.4	Pervasive Moderate Silicification	Pervasive Moderate Sericitisation
87.4 - 95.9	MxF	band	Fol-str	ore zone associated with increased BtS content (>50% of interval), strong oxidation
		87.4 - 95.9	Pervasive Intense Silicification	Pervasive Weak Sericitisation Pervasive Strong Clay
95.9 - 100.0	MxF	band	Fol-str	fractured and silica washed zone beneath ore zone, opaque qtz veins, conventional qtz/sericite alteration
		95.9 - 100.0	Pervasive Strong Silicification	Pervasive Moderate Sericitisation Pervasive Weak Clay
100.0 - 107.0	MxF	band	Fol-str	variably oxidized and hematized MxF
		100.0 - 107.0	Pervasive Moderate Silicification	Patchy Weak Sericitisation
107.0 - 151.0	MxF	band	Fol-str	consistently hematized and qtz/sericite altered MxF, variably oxidized, generally containing <10% BtS with BtS intervals increasing in frequency with depth, v. minor augen development
		107.0 - 151.0	Pervasive Moderate Silicification	Pervasive Weak Sericitisation Pervasive Weak Clay restricted to oxidized zones

151.0 - 152.4	MxF	band	Fol-str	Intense silca flooding, 80% opaque qtz		
		151.0 - 152.4	Pervasive	Intense Silicification	Weak Sericitisation	silica flooded zone
152.4 - 155.1	MxF	band	Fol-str	ore zone - intense mechanical breakage (rubble to sand), oxidation and limonite		
		152.4 - 155.1	Pervasive	Intense Clay	Pervasive Moderate Silicification	
155.1 - 157.9	MxF	band	Fol-str	washed out zone beneath ore, silica less intense		
		155.1 - 157.9	Pervasive	Strong Silicification	Pervasive Moderate Sericitisation	
157.9 - 188.1	MxF	band	Fol-str	7-8m alternating zone of reddish weak-mod clay alt intervals (1-2m) in mod-strong sil & patchy interstitial ser alt +/- pink hem stain		
		157.9 - 188.1	Pervasive	Strong Silicification	Patchy Moderate Sericitisation	Fracture Controlled Weak Clay
188.1 - 190.7	MxF	band	Fol-str	stronger clay alt frac controlled & mod-strong oxide		
		188.1 - 190.7	Fracture Controlled	Strong Clay	Patchy Moderate Sericitisation	
190.7 - 200.4	MxF	band	Fol-str	mod-well silicified, patchy oxide <50cm +/- clay alt, mafic bands mod-strong chl		
		190.7 - 200.4	Pervasive	Strong Silicification	Patchy Moderate Clay	Patchy Moderate Sericitisation
200.4 - 223.4	MxF	band	Fol-str	well sil, pink-grey, interstitial mica, weak-no oxide		
		200.4 - 218.4	Pervasive	Strong Silicification		
		218.4 - 223.4	Pervasive	Strong Silicification	Replaces Mafics Weak Chlorite	
223.4 - 250.0	MxF	band	Fol-str	variably oxidized MxF, v. little BtS (<5%), qtz/sericite alteration throughout +/- clay alt, strong ox towards base assoc. ore		
		223.4 - 234.0	Pervasive	Moderate Silicification	Pervasive Moderate Clay	
		234.0 - 234.8	Pervasive	Strong Silicification	Pervasive Moderate Clay	Pervasive Moderate Sericitisation increasing silica
		234.8 - 236.0	Pervasive	Intense Clay	Pervasive Strong Silicification	ore zone
		236.0 - 242.3	Pervasive	Strong Silicification	Pervasive Weak Clay	
		242.3 - 250.0	Pervasive	Strong Silicification		
250.0 - 275.4	MxF	band	Fol-str	continued MxF, lightly increased BtS (pelitic) component, strong ox/lim assoc with ore, interval contains significant ore zone		
		250.0 - 256.0	Pervasive	Strong Clay	Pervasive Strong Silicification	
		256.0 - 259.0	Pervasive	Strong Silicification	Patchy Weak Sericitisation	
		259.0 - 275.4	Pervasive	Strong Silicification	Patchy Weak Sericitisation	
275.4 - 284.3	MxF	band	Fol-str	continued MxF, weak, variable oxidation and patchy hematization, <5% BtS		
		275.4 - 284.3	Pervasive	Moderate Silicification	Pervasive Weak Sericitisation	Pervasive Weak Clay
284.3 - 289.0	MxF	band	Fol-str	bleached out MxF (silica / clay alt) with increasing silca replacement towards base of interval (above ore zone)		
		284.3 - 290.0	Pervasive	Strong Silicification	Pervasive Weak Clay	
289.0 - 292.7	MxF	band	Fol-str	ore zone - intense clay/lim alt in core, silica flooding throughout		
		290.0 - 292.7	Pervasive	Strong Clay	Moderate Silicification	
292.7 - 299.0	MxF	band	Fol-str	variable oxidation (two short zones of intense ox - assoc ore) in MxF - greater BtS content, up to 50% of interval		
		292.7 - 299.0	Pervasive	Moderate Silicification	Pervasive Moderate Clay	
299.0 - 303.6	MxF	band	Fol-str	zone of intense sil		
				ification and bull (opaque) qtz development		
		299.0 - 303.6	Pervasive	Intense Silicification	Pervasive Moderate Clay	Pervasive Weak Sericitisation
303.6 - 329.0	MxF	band	Fol-str	consistently silicified and hematized pink / grey felsic gneiss, minor patchy oxidation		
		303.6 - 329.0	Pervasive	Moderate Silicification	Pervasive Weak Sericitisation	Replaces Felsics Weak Calcite

Drill Log: CFD0476

Easting	584173.98	Hole Length	266m	Prospect	Supremo T3	Drill Started	Oct 02, 2014	Comment
Northing	6973723.51	Azimuth	270°	Target	Infill	Drill Completed	Oct 05, 2014	
Projection	UTM7-NAD83	Dip	-50°	Geologist	EBuitenhuis	Core Size	NQ2	
Survey method	RTK GPS	Elevation	1118.15mASL					

Litholoav and Alteration

Interval	Lith	Texture	Deformation	Comments
0.0 - 5.0	OVB			
5.0 - 77.9	MxF	silc		Mixed gneiss, weak chlorite-clay after biotite schist, patchy weak clay alteration of feldspars within gneiss.
		5.0 - 77.9	Patchy Weak Clay	Patchy Weak Chlorite
77.9 - 103.3	BtS	pblst		Weakly chloritized biotite schist.
		77.9 - 103.3	Fracture Controlled Weak Clay	Pervasive Weak Chlorite
103.3 - 118.1	MxF	silc		Mixed gneiss, moderate silica, local .25% limonite (controlled by fractures) weak clay after feldspars in some areas gives a yellow-orange tinge.
		103.3 - 118.1	Patchy Moderate Silicification	Patchy Weak Clay
118.1 - 119.5	Ylim	bx		Thin zone, strong pervasive clay obscuring texture, weak development of angular clast-supported, fine-clay matrix breccia. More of a crackle breccia, immature. 2% disseminated limonite. Abrupt transition from chloritized schist to zone.
		118.1 - 119.5	Pervasive Strong Clay	
119.5 - 125.3	FG	silc		Silicified felsic gneiss, trace fracture controlled limonite.
		119.5 - 125.3	Pervasive Moderate Silicification	
125.3 - 126.4	FG			Shoulder to zone, felsic gneiss with yellow-white clay alteration and replacement of feldspars, .25% disseminated limonite associated with clay altn.
		125.3 - 126.4	Pervasive Moderate Clay	Pervasive Weak Silicification
126.4 - 126.8	BtS			Thin zone, 2.5% limonite/hematite oxidation, strong pervasive clay which intensifies over 10cm which acted as conduit.
		126.4 - 126.8	Pervasive Strong Clay	
126.8 - 136.0	MxF	silc		Mixed gneiss and schist, weak chlorite after mafics, rubbly at lower portion of unit. Weak to moderate fc clay.
		126.8 - 136.0	Fracture Controlled Weak Clay	Replaces Mafics Weak Chlorite
136.0 - 138.5	IV	mgrn		Medium grained feldspars set in black aphanitic groundmass, strong calcite component throughout (alteration). Sharp but irregular upper contact with gneiss, lower contact obscured by clay altn and oxidation. Strong clay over last 60cm.
		136.0 - 138.5	Pervasive Moderate Clay	Pervasive Moderate Calcite
138.5 - 139.8	Ylim	bx		Thin zone, 2.5% disseminated limonite, heavily fractured with strong pervasive clay. Hosted wtihin brecciated schist, below contact with dyke. Contact obscured by alteration.
		138.5 - 139.8	Pervasive Strong Clay	
139.8 - 163.5	MxF			Patches of weak to moderate yellow white clay, weak silica.
		139.8 - 163.5	Patchy Weak Clay	Patchy Weak Silicification
163.5 - 167.6	MxF			Mixed gneiss, moderate pervasive yellow-white coloured clay alteration, .5% disseminated limonite.
		163.5 - 171.6	Patchy Strong Silicification	Patchy Moderate Clay
167.6 - 171.6	FG	silc		Moderate to strong silicification of FG, moderate white clay in patches. Patchy .5% disseminated sooty pyrite in strongly silicified areas (ex. 171).
171.6 - 185.0	MxF			Moderate silica-sericite after FG, weak chlorite, calcite in BtS, fresh, .1% fc limonite.
		171.6 - 185.0	Patchy Weak Calcite	Replaces Mafics Weak Chlorite Patchy Moderate Silicification
185.0 - 192.9	MxF			Mixed gneiss, weak to moderate clay replacement of feldspar within gneiss, (white-yellow clay), short (<40cm) Ycarb bx from 189.5-190.1, fizzes, max .25% fracture controlled limonite.
		185.0 - 192.9	Replaces Felsics Weak Clay	Patchy Moderate Calcite

192.9 - 195.7	MxF	silc	Alteration increases, shoulder to zone, strong silica-sericite (dolomite), minor Fe-carb veining with slight offset, moderate white clay after coarse feldspars within schist.		
192.9 - 195.7			Pervasive Strong Sericitisation	Pervasive Strong Silicification	Patchy Moderate Clay
195.7 - 200.8	BtS		Zone: relict schist transitioning to HU clay altered rock. 2.5% disseminated hematite, 1% disseminated limonite. Break at 198.5m to 2% disseminated limonite through visible but clay altered schistose foliation, muddy orange-brown colour. Strong pervasive clay alteration. Strong silica-sericite begins at 200m.		
195.7 - 200.8			Pervasive Strong Clay	Patchy Strong Silicification	Patchy Strong Sericitisation
200.8 - 204.4	MxF	silc	Zone: relict gneiss transitioning to HU clay altered rock. 1% disseminated hematite, 1.5% disseminated limonite. 203-203.5m HU, strong silicification at 203.7m transitioning back to HU before returning to strong silicification.		
200.8 - 204.4			Patchy Strong Silicification	Patchy Moderate Clay	
204.4 - 207.9	HU		Zone: HU clay altered rock. Possibly YC Breccia from 205.6-205.7m. 2.5% disseminated limonite, 1% disseminated hematite.		
204.4 - 207.9			Pervasive Strong Clay		
207.9 - 210.7	FG		Zone: Felsic foliated gneiss, mineralised, un-oxidised, strong sooty sulphides (2.5%) from 207.9-209.65. Oxidised from 209.65-210.7m (2.5% hematite). Strong to intense sericitisation.		
207.9 - 210.7			Patchy Moderate Clay	Patchy Weak Silicification	
210.7 - 215.1	MxF		Alteration decreases, shoulder to zone, strong silification, patchy hematite, moderately fractured.		
210.7 - 215.1			Pervasive Moderate Sericitisation		
215.1 - 221.2	MxF		mixed gneiss, patches of strong sericitisation and silification, up to .25% Limonite.		
215.1 - 221.2			Pervasive Moderate Sericitisation	Patchy Moderate Silicification	
221.2 - 224.1	MxF		Mixed gneiss and schist, patches of moderated sericitisation, weak to moderate clay replacement(white-yellow clay). patches of up to 2% hematite.		
221.2 - 224.1			Pervasive Moderate Silicification	Patchy Moderate Sericitisation	
224.1 - 226.7	MxF		Possible thin zone, pervasive limonite oxidation upto 1%, patchy clay alteration.		
224.1 - 226.2			Pervasive Moderate Sericitisation	Patchy Moderate Silicification	
226.2 - 247.9			Patchy Moderate Silicification		
226.7 - 247.9	MxF		Mixed Gneiss and schist, Consistent rose hematization throughout, fc lm .1%, lm alteration strengthening(243.3-247.9)		
247.9 - 256.4	MxF		Strong clay alteration, silica banding with flooding(255.35 & 255.9)fc & patchy lm up to 1%, disseminated hm in less oxidised sections upto.15%		
247.9 - 256.4			Pervasive Strong Clay	Patchy Moderate Silicification	Patchy Moderate Sericitisation
256.4 - 266.0	MxF		Mixed gneiss, mod patchy sericite-silica alteration, Cv-fizzes (258.85/10cm) fc lm .25%, silica flooding (258) localised clay alteration(yellow-white262.3).EOH		
256.4 - 266.0			Pervasive Moderate Silicification		

Drill Log: CFD0477

Easting	584320.14	Hole Length	227 m	Prospect	Supremo T3	Drill Started	Oct 03, 2014	Comment
Northing	6974628.06	Azimuth	270°	Target	Infill	Drill Completed	Oct 05, 2014	
Projection	UTM7-NAD83	Dip	-50°	Geologist	HWalsh	Core Size	NQ2	
Survey method	RTK GPS	Elevation	1254.43mASL					

Litholoav and Alteration

Interval	Lith	Texture	Deformation	Comments
0.0 - 3.3	OVb			Gneiss rubble
		0.0 - 12.2	Pervasive Moderate Silicification	Replaces Mafics Weak Chlorite Pervasive Weak Clay
3.3 - 67.4	MxF	band		Mixed felsic gneiss with lenses of BtS_carb <1m. Moderate-strongly fractured, zones <1m of intensely fractured gneiss. Patchily bleached. Zones of silica flooding. Alteration is pervasive clay, patchy sericite. Oxidation is patchy limonite, moderate "rose pink" hematite . Sub parallel tca fracture from 11-14m, 40-46m. Mineralization is weak
		12.2 - 14.6	Pervasive Moderate Silicification	Fracture Controlled Moderate Clay Pervasive Weak Clay
		14.6 - 18.0	Pervasive Moderate Clay	
		18.0 - 31.7	Pervasive Moderate Clay	Patchy Moderate Sericitisation
		31.7 - 46.8	Pervasive Moderate Silicification	Patchy Weak Clay Patchy Moderate Sericitisation
		46.8 - 48.0	Patchy Strong Clay	Patchy Moderate Sericitisation Patchy Weak Chlorite
		48.0 - 51.4	Patchy Moderate Sericitisation	Pervasive Weak Silicification Patchy Moderate Clay
		51.4 - 63.9	Pervasive Moderate Silicification	Patchy Moderate Clay Patchy Weak Sericitisation
		63.9 - 71.3	Pervasive Moderate Clay	
67.4 - 67.5	Ylim	bx		limonite matrix clast supported medium grained sub-angular gneiss breccia, contacts are not visible - highly fractured zone.
67.5 - 92.3	MxF	band		gneiss, continuing as above brecciation
		71.3 - 76.4	Patchy Weak Sericitisation	
		76.4 - 84.0	Pervasive Weak Silicification	Pervasive Moderate Clay Patchy Moderate Sericitisation
		84.0 - 88.9	Replaces Felsics Moderate Clay	Patchy Moderate Sericitisation
		88.9 - 89.5	Pervasive Strong Clay	
		89.5 - 95.0	Replaces Felsics Moderate Clay	Patchy Moderate Sericitisation
92.3 - 102.8	FLT			Highly fractured felsic dominated gneiss. Fault zone. Alteration is moderate pervasive clay, strong fracture controlled clay. Oxidation is strong fracture associated limonite. Brecciation observed in rubble. Limonite rock flour matrix jig-saw fit angular medium grained gneiss breccia.
		95.0 - 113.7	Pervasive Moderate Clay	
102.8 - 113.5	MxF	band		Felsic dominated mixed gneiss, highly fractured, moderate felsic-replacing clay alteration. Pervasive weak-moderate limonite oxidation, strong in fractures. Weakly bleached.
113.5 - 117.7	IV	cgrn		Andesitic dyke, porphyritic feldspar. Weak and patchy felsic-replacing clay alteration and associated limonite oxidation. Contacts are fractured.
		113.7 - 115.8	Replaces Felsics Moderate Clay	
		115.8 - 117.8	Fracture Controlled Moderate Clay	
117.7 - 135.3	MxF	band		Mixed gneiss, moderately fractured. Lenses of BtS. Alteration is weak pervasive clay, patchy sericite, BtS lenses are preferentially clay altered. Oxidation is weak-moderate pervasive limonite, stronger in highly fractured zones. relict cubic pyrite.
		117.8 - 134.9	Replaces Felsics Moderate Clay	
		134.9 - 147.6	Replaces Felsics Moderate Clay	Pervasive Weak Silicification
135.3 - 138.8	FLT			Fractured zone. Oxidation is moderate to strong fracture controlled limonite. Alteration is fracture controlled clay.
138.8 - 142.8	MxF	augn		Gneiss, continuing as above fracture zone. Alteration is weak felsic-replacing clays, weak sericite. Oxidation is moderate patchy limonite, weak hematite.

142.8 - 154.5	MxF	augn	Augen gneiss, strongly silicified, weak calcite alteration. BTS lenses. Oxidation is patchy and weak limonite, hematite staining throughout.		
		147.6 - 159.7	Replaces Felsics Weak Clay	Pervasive Moderate Silicification	
154.5 - 156.0	FLT	Minor zone of weak mineralization and increased fracturing - probable fault zone. Brown limonite oxidation throughout, alteration is fracture controlled clay.			
156.0 - 209.3	MxF	augn	Gneiss, as above fractured zone.		
		159.7 - 173.1	Pervasive Moderate Silicification	Vein Selvege Weak Calcite	
		173.1 - 188.4	Replaces Felsics Weak Clay	Pervasive Moderate Silicification	
		188.4 - 194.1	Pervasive Moderate Silicification	Patchy Weak Chlorite	Patchy Weak Sericitisation
		194.1 - 202.1	Patchy Moderate Clay	Pervasive Moderate Silicification	Patchy Weak Sericitisation
		202.1 - 204.0	Pervasive Moderate Silicification	Replaces Mafics Weak Chlorite	
		204.0 - 206.9	Replaces Felsics Weak Clay	Patchy Moderate Sericitisation	
		206.9 - 211.0	Pervasive Moderate Clay	Pervasive Strong Silicification	
209.3 - 209.7	Ylim	bxi	Irregular contact, limonite matrix, weakly brecciated fracture zone. Clasts are sub-angular chaotic gneiss country rock.		
209.7 - 227.0	MxF	band	Felsic dominated gneiss, <0.3m lenses of biotite-chlorite-feldspar schist. Moderate pervasive silicification. Alteration is weak patchy clay, moderate patchy chlorite and calcite. Oxidation is weak to moderate.		
		211.0 - 214.9	Pervasive Weak Clay	Patchy Weak Calcite	Patchy Weak Chlorite
		214.9 - 217.5	Pervasive Moderate Clay	Pervasive Moderate Silicification	
		217.5 - 227.0	Pervasive Moderate Silicification	Vein Selvege Moderate Chlorite	Patchy Moderate Calcite

Drill Log: CFD0478

Easting	584387.41	Hole Length	293m	Prospect	Supremo T4	Drill Started	Oct 03, 2014	Comment	EOH stake on approximate collar location.
Northing	6973519.22	Azimuth	270°	Target	Infill	Drill Completed	Oct 05, 2014		
Projection	UTM7-NAD83	Dip	-50°	Geologist	CDavis	Core Size	NQ2		
Survey method	RTK GPS	Elevation	1079.7mASL						

Litholoav and Alteration

Interval	Lith	Texture	Deformation	Comments
0.0 - 4.0	OVB			
4.0 - 78.5	MxM	lamn		lam bt schist with mod felsic intervals, well fol 40-50CA, mod-well sil, occ vuggy intervals strongly associated with felsic-rich zones, weak tranluscent white qz vein all angles <=2cm,weak-no ox rare strong (29.25-31.65m 80%), tr lim
		4.0 - 45.0	Pervasive Moderate Silicification	Patchy Weak Clay
		45.0 - 79.6	Pervasive Moderate Silicification	Patchy Moderate Sericitisation Patchy Weak Clay
78.5 - 122.7	MxF	lamn		bt schist & augen felsic gneiss, weak vugs, mod chl alt in mafics
		79.6 - 127.4	Pervasive Moderate Silicification	Replaces Mafics Moderate Chlorite Replaces Felsics Weak Clay
122.7 - 127.4	IV	phyr		white plag phenos <=8mm in dark blue grey matrix, weak-strong foliated undulating/augen-like none at top increasing intensity with depth, sharp contacts subparallel bounding foliation 30CA, centre alt & friable & oxidized
127.4 - 137.0	MxF	lamn		lam bt-rich & felsic rich unit, var mod sil, mod-strong oxide, strongest oxide = strong clay
		127.4 - 137.0	Pervasive Moderate Silicification	Patchy Moderate Sericitisation Replaces Felsics Weak Clay
137.0 - 137.8	Ylim	bxv		subround host clasts <=3cm, limonitic clayey matrix supported, clasts weakly silicified
		137.0 - 137.8	Replaces Matrix Strong Clay	Replaces Clasts Moderate Silicification
137.8 - 159.0	MxF	lamn		lam, ser+sil +/- clay alt, mod-strong oxide, occ strong frac control clay alt, orange with black or dark red-brown fracs
		137.8 - 146.2	Pervasive Moderate Silicification	Pervasive Moderate Sericitisation Replaces Felsics Weak Clay
		146.2 - 147.0	Pervasive Moderate Chlorite	Pervasive Moderate Clay
		147.0 - 159.0	Pervasive Moderate Silicification	Pervasive Moderate Sericitisation Replaces Felsics Weak Clay
159.0 - 176.0	MxM	lamn		bt amph schist +/- augen felsic gneiss (dark grey pink), weak-no patchy ox, mod sil
		159.0 - 176.0	Pervasive Moderate Silicification	Replaces Mafics Moderate Chlorite Fracture Controlled Weak Clay
176.0 - 176.6	HU	bxl		intensely ox & weakly brecciated, strong clay alt
		176.0 - 176.6	Pervasive Strong Clay	Pervasive Moderate Sericitisation
176.6 - 183.0	MxM	lamn		bt amph schist +/- augen felsic gneiss (dark grey pink), weak-no patchy ox, mod sil
		176.6 - 183.0	Pervasive Strong Silicification	Replaces Mafics Moderate Chlorite
183.0 - 186.5	MxM	lamn		strongly ox bt sch, mod-strong clay alt
		183.0 - 186.5	Pervasive Moderate Clay	Pervasive Moderate Sericitisation
186.5 - 188.0	HU	bxl		brecciated, blocky bt sch, intense oxide, mod-strong clay
		186.5 - 188.0	Pervasive Strong Clay	Pervasive Moderate Sericitisation
188.0 - 189.6	MxM	lamn		strongly ox bt sch, mod sil alt, weak-mod clay alt
		188.0 - 189.6	Pervasive Moderate Silicification	Patchy Moderate Sericitisation Replaces Mafics Weak Chlorite
189.6 - 195.1	MxM	lamn		bt amph schist +/- augen felsic gneiss (dark grey pink), patchy weak-mod ox with mod frac clay alt, mod sil
		189.6 - 195.1	Pervasive Strong Clay	Pervasive Moderate Sericitisation Patchy Weak Silicification

195.1 - 223.0	MxM	lamn	bt amph schist +/- augen felsic gneiss (dark grey pink), partial rosy hue from hem?, weak-no patchy ox, mod-strong sil, weak-mod chl alt mafics		
		195.1 - 223.0	Pervasive Moderate Silicification	Replaces Mafics Moderate Chlorite	Patchy Moderate Sericitisation
223.0 - 249.6	MxM	lamn	bt amph schist +/- augen felsic gneiss (dark grey pink), weak-mod patchy ox <=30cm, mod-strong sil, weak chl alt mafics		
		223.0 - 249.6	Pervasive Strong Silicification	Replaces Mafics Weak Chlorite	
249.6 - 254.0	MxM	lamn	bleached with patchy intense oxide coincides with stronger clay alt, bleached coincides with stronger sil, var breccia texture		
		249.6 - 254.0	Patchy Strong Silicification	Patchy Strong Sericitisation	Patchy Moderate Clay
254.0 - 293.0	MxM	lamn	bt amph schist +/- augen felsic gneiss (dark grey pink), weak-mod patchy ox <=30cm, mod-strong sil, weak chl alt mafics		
		254.0 - 293.0	Pervasive Strong Silicification	Replaces Mafics Weak Chlorite	Patchy Weak Sericitisation

Drill Log: CFD0479

Easting	584496.55	Hole Length	233m	Prospect	Supremo T5	Drill Started	Oct 05, 2014	Comment
Northing	6974650.28	Azimuth	270°	Target	Infill	Drill Completed	Oct 07, 2014	
Projection	UTM7-NAD83	Dip	-50°	Geologist	MSchultz	Core Size	NQ2	
Survey method	RTK GPS	Elevation	1228.91mASL					

Litholoav and Alteration

Interval	Lith	Texture	Deformation	Comments
0.0 - 4.4	OVb			
4.4 - 7.0	FG	band	Fol-str	bleached FG at top of hole
		4.4 - 7.0	Pervasive Moderate Silicification	Pervasive Weak Clay
7.0 - 20.2	FG	band	Fol-str	clean, consistent pink/grey FG, minor augen development, silicified throughout, increasing oxidation at base
		7.0 - 20.2	Pervasive Moderate Silicification	
20.2 - 22.7	FG	band	Fol-str	continued FG, variable and increasing oxidation towards zone
		20.2 - 22.7	Pervasive Moderate Silicification	Pervasive Weak Clay
22.7 - 35.2	FG	band	Fol-str	foliation replacement ore zone, minor immature breccia development (20cm) near zone top
		22.7 - 35.2	Pervasive Moderate Silicification	Pervasive Moderate Clay
35.2 - 39.0	FG	band	Fol-str	weakly altered FG between ore zones, consistently hematized, variable oxidation
		35.2 - 39.0	Pervasive Moderate Silicification	
39.0 - 44.8	FG	band	Fol-str	strongly oxidized and silicified foliation replacement ore zone
		39.0 - 44.8	Pervasive Strong Silicification	Pervasive Moderate Clay
44.8 - 52.7	FG	band	Fol-str	weakly altered FG between ore zones, consistently hematized, variable oxidation
		44.8 - 52.7	Pervasive Moderate Silicification	
52.7 - 59.8	FG	band	Fol-str	strongly oxidized and silicified foliation replacement ore zone
		52.7 - 59.8	Pervasive Strong Silicification	Pervasive Moderate Clay
59.8 - 74.7	MxF	band	Fol-str	variably oxidized pink/grey MxF (~10% BtS in one interval), consitently hematized
		59.8 - 74.7	Pervasive Moderate Silicification	
74.7 - 79.6	MxF	band	Fol-str	variably oxidized (none to strong) and increasing silica in interval above ore
		74.7 - 79.6	Pervasive Strong Silicification	Pervasive Moderate Clay
79.6 - 83.4	MxF	band	Fol-str	strongly oxidized ore zone, foliation replacement, variable hematization / clay and silica alteration
		79.6 - 83.4	Pervasive Strong Silicification	Pervasive Strong Clay
83.4 - 107.4	MxF	band	Fol-str	consistent pink/grey MxF (<10% BtS), siliciifed and hematized throughout, variable weak oxidation
		83.4 - 89.6	Pervasive Moderate Silicification	
		89.6 - 92.0	Pervasive Strong Silicification	Pervasive Moderate Sericitisation Pervasive Moderate Clay
		92.0 - 107.4	Pervasive Moderate Silicification	Fracture Controlled Weak Calcite rare calcite veinlets or disseminations
107.4 - 116.3	MxF	band	Fol-str	weak to moderate variable oxidation and hematization, otherwise consistent MxF, strong alteration associated with As kicks, silicified throughout
		107.4 - 116.3	Pervasive Moderate Silicification	Pervasive Weak Clay
116.3 - 121.0	MxF	band	Fol-str	highly fractured zone with increased clay and sericite (strong yellow) alteration, silicified throughout
		116.3 - 121.0	Patchy Moderate Silicification	Fracture Controlled Moderate Pervasive Moderate Sericitisation Clay

121.0 - 125.0	MxF	band	Fol-str	variable moderate to strong oxidation and hematization with clay and sericite in limited (<10cm) zones, assoc with high As, ore mineralized throughout
121.0 - 125.0			Pervasive	Moderate Silicification Fracture Controlled Weak Clay
125.0 - 133.2	MxF	band	Fol-str	weak to moderate variable oxidation with relatively consistent hematization, more patchy clay / sericite alt, dispersed ore mineralization
125.0 - 133.2			Pervasive	Moderate Silicification Patchy Weak Clay
133.2 - 140.2	MxF	band	Fol-str	weak variable oxidation within consistent pink/grey FG
133.2 - 140.2			Pervasive	Strong Silicification Fracture Controlled Weak Clay
140.2 - 147.2	MxF	band	Fol-str	very altered, high oxidation, hematization, clay and limonite, silicified ore zone
140.2 - 147.2			Pervasive	Strong Silicification Pervasive Strong Clay Pervasive Moderate Sericitisation
147.2 - 159.2	MxF	band	Fol-str	moderate to strong oxidation and hematization, silicified throughout, increased BtS content (~20%)
147.2 - 159.2			Pervasive	Moderate Silicification Patchy Weak Clay Patchy Weak Sericitisation
159.2 - 162.8	MxF	band	Fol-str	increased oxidation/ limonite / hematization and clay alteration associated with ore zones, associated rubble zones
159.2 - 162.8			Pervasive	Moderate Silicification Patchy Moderate Clay Patchy Weak Sericitisation
162.8 - 168.5	MxF	band	Fol-str	continued high oxidation and hematization within competent rock and weak to moderate mineralization
162.8 - 168.5			Pervasive	Strong Silicification Patchy Weak Clay
168.5 - 171.8	MxF	band	Fol-str	moderate patchy oxidation/hematization beneath ore zone
168.5 - 171.8			Pervasive	Moderate Silicification Patchy Weak Clay
171.8 - 172.7	MxF	mass	Fol-str	rubble zone, high oxidation and hem
171.8 - 172.7			Pervasive	Moderate Silicification Pervasive Strong Clay
172.7 - 175.4	FC	mass		highly altered FC with possible mature breccia near margins (monomict, visible rounded clasts of FC, matrix supported in f.g. darker green material), also brecciation of country rock along lower contact, <20cm, possible Ylim
172.7 - 175.4			Pervasive	Strong Clay
175.4 - 187.3	MxF	band	Fol-str	weak to moderate oxidation, with minor patchy clay / sericite alteration
175.4 - 187.3			Pervasive	Moderate Silicification Patchy Weak Clay Patchy Moderate Sericitisation
187.3 - 191.2	MxF	band	Fol-str	strongly silicified MxF with consistent moderate oxidation and hematization
187.3 - 191.2			Pervasive	Moderate Silicification
191.2 - 195.9	MxF	band	Fol-str	more highly altered (clay/sericite) MxF with associated As XRF kicks, patchy oxidation
191.2 - 195.9			Pervasive	Moderate Clay Pervasive Moderate Sericitisation Pervasive Moderate Silicification
195.9 - 203.0	MxF	band	Fol-str	consistently hematized MxF with patchy oxidation and clay alteration, competent throughout
195.9 - 203.0			Pervasive	Moderate Silicification Patchy Weak Clay
203.0 - 207.6	MxF	band	Fol-str	consistent, competent, moderately oxidized and hematized MxF
203.0 - 207.6			Pervasive	Moderate Silicification Patchy Moderate Clay
207.6 - 209.8	MxF	band	Fol-str	similarly altered MxF, highly fractured
207.6 - 209.8			Pervasive	Moderate Silicification
209.8 - 221.0	MxF	band	Fol-str	weak to moderate oxidation and patchy hematization, silicified throughout
209.8 - 221.0			Pervasive	Moderate Silicification Patchy Moderate Clay
221.0 - 233.0	MxF	band	Fol-str	unaltered to weakly oxidized MxF, increased BtS content (up to 40% of interval), mod to weak silicification decreasing downhole to EOH
221.0 - 233.0			Patchy	Moderate Silicification Patchy Weak Clay

Drill Log: CFD0480

Easting	584380.68	Hole Length	209.39m	Prospect	Supremo T4-5	Drill Started	Oct 05, 2014	Comment
Northing	6974624.03	Azimuth	270°	Target	Infill	Drill Completed	Oct 08, 2014	
Projection	UTM7-NAD83	Dip	-50°	Geologist	NStephen	Core Size	NQ2	
Survey method	RTK GPS	Elevation	1248.84mASL					

Litholoav and Alteration

Interval	Lith	Texture	Deformation	Comments
0.0 - 2.7	OVB			Gniess rubble
		0.0 - 19.8	Fracture Controlled Weak Clay	Patchy Moderate Sericitisation Pervasive Weak Silicification
2.7 - 19.8	MxF	augn		Felsic dominated gniess, weakly augen. Lenses of chlorite BtS, preferentially clay altered. Alteration is weak to moderate felsic replacing clay, patchy weak sericite and pervasive minor silicification. Oxidation is weak to moderate limonite. Brittle deformation is moderate to locally strong.
		19.8 - 23.1	Pervasive Weak Chlorite	Patchy Weak Calcite Pervasive Weak Silicification
19.8 - 28.1	MxM	band		Mafic dominated gneiss, banded. Lenses of chlorite BtS, preferentially clay altered. Alteration is weak chlorite, calcite, patchy moderate clay. Moderately silicified. Oxidation is weak hematite staining and disseminated limonite. Moderately fractured
		23.1 - 24.1	Pervasive Moderate Clay	Pervasive Moderate Silicification
		24.1 - 28.0	Patchy Weak Chlorite	Patchy Weak Calcite Pervasive Moderate Silicification
		28.0 - 39.3	Replaces Felsics Moderate Clay	Pervasive Moderate Silicification Patchy Weak Sericitisation
28.1 - 39.3	MxF	band		Felsic dominated gniess. Alteration is moderate felsic-replacing clay, pervasive moderate silicification. Oxidation is up to approximately 2% disseminated limonite. Quartz vein from 30.00m-30.63m, increased fracturing associated.
39.3 - 46.9	MxF			Felsic dominated gneiss. Alteration is pervasive moderate silicification. Oxidation is up to approximately 2% disseminated limonite, 1% patchy hematite. Strong foliations throughout unit, associated hematite.
		39.3 - 46.9	Pervasive Moderate Silicification	
46.9 - 49.4	IV	mass		Shoulder zone: Intermediate volcanic dyke. Fine-grained, un-foliated. From 48.65, large angular clast breccia present, shouldering the dyke. Oxidation 0.5% patchy hematite. Alteration weak chlorite.
		46.9 - 49.4	Pervasive Moderate Chlorite	Weak
49.4 - 50.0	Ylim	bx		Zone: Limonite matrix breccia. Alteration is weak-moderate silicification. Oxidation is 2.5% disseminated limonite , 1% disseminated hematite. Moderate foliation.
		49.4 - 50.0	Pervasive Moderate Silicification	Patchy Strong Clay
50.0 - 57.7	MxF			Zone: Felsic dominated gneiss. Alteration is moderate kaolinite clay, moderate K-feldspar replacing mafics. Oxidation is 1.5% patchy hematite, 0.5% disseminated limonite.
		50.0 - 57.7	Patchy Moderate Clay	Replaces Mafics Weak K-feldspar
57.7 - 61.7	YC	bx		Zone: Breccia with clay limonite cement and silicified fragments. Alteration is strong limonite clay, weak sericitization. Oxidation is 3% disseminated limonite, 0.5% patchy hematite.
		57.7 - 61.7	Pervasive Strong Clay	Pervasive Weak Sericitisation
61.7 - 72.9	MxF	biot		Shoulder zone: foliated felsic gneiss associated with biotite and hematite veins. Alteration is moderate silicification.
		61.7 - 72.9	Pervasive Weak Silicification	
72.9 - 81.3	MxF			Mixedfelsic gniess, fracture controlled hematite (2%), limonite (0.5%), alteration moderate clay.
		72.9 - 81.3	Patchy Moderate Clay	
81.3 - 85.0	FG			Foliated felsic gneiss, more oxidised than previous unit. Alteration moderate pervasive silicification, 1% limonite oxidation, 0.5% hematite.
		81.3 - 85.0	Pervasive Moderate Silicification	
85.0 - 97.9	FG			Foliated felsic gneiss, grey-pink with pervasive hematite associated with silicification. Oxidation: 1.5% hematite, 0.5% limonite. Alteration is moderate silicification and weak sericitization.
		85.0 - 97.9	Pervasive Moderate Silicification	Pervasive Weak Sericitisation

97.9 - 122.0	FG	Possible Zone: Foliated felsic gneiss, orange with pervasive clay alteration. Oxidation: 1.5% limonite, 0.5% hematite (fracture controlled). Alteration is moderate sericitization and moderate silicification, >10cm thick silica veins present from 102.42 and increasing through to 104.25 and 103.6-113.04m.		
		97.9 - 122.0	Patchy Moderate Silicification	Pervasive Moderate Sericitisation
122.0 - 138.4	FG	Zone: oxidised foliated felsic gneiss. Orange, weak, frac-str. Oxidation: Limonite 2%, hematite, 0.5% fracture controlled from 130.72m. Alteration is weak silicification, weak sericitization.		
		122.0 - 138.4	Replaces Felsics Weak Silicification	Pervasive Weak Sericitisation
138.4 - 143.8	MxF	Zone: Foliated mixed gneiss, felsic dominated. Muddy brown-red hematite throughout, fracture controlled. Oxidation: 0.1% limonite, 1% hematite. Alteration is moderate patchy silification and weak pervasive sericitization.		
		138.4 - 143.8	Patchy Moderate Silicification	Pervasive Weak Sericitisation
143.8 - 147.6	MxF	Zone: oxidised foliated mixed gneiss, felsic dominated. Disseminated limonite 1.5%, fracture controlled hematite 0.5%. Alteration is weak patchy silicification, weak patchy sericitisation.		
		143.8 - 147.6	Patchy Weak Silicification	Patchy Weak Sericitisation
147.6 - 159.3	MxF	Foliated mixed gneiss, felsic dominated. Goes in and out of limonite dominated oxidation to hematite dominated. From 147.64-151.25m muddy brown-red disseminated hematite, 151.25-155.49m orange colour, limonite oxidized, 155.49-156.71m muddy brown-red disseminated hematite, 155.49-159.31m orange colour. Alteration throughout: moderate pervasive silicification, weak patchy sericitization. Oxidation: 1.5% hematite, 1% limonite.		
		147.6 - 159.3	Pervasive Moderate Silicification	Patchy Weak Sericitisation
159.3 - 169.1	MxF	Shoulder zone: Foliated felsic gneiss, muddy red-brown fracture controlled hematite 1.5%, limonite 0.5%. Alteration, moderate pervasive silicification, moderate patchy chlorite, moderate patchy sericitization. From 165.75-167.31m mafic band - strong chlorite and sericite alteration.		
		159.3 - 169.1	Pervasive Moderate Silicification	Patchy Moderate Chlorite Patchy Moderate Sericitisation
169.1 - 171.1	FG	Felsic gneiss, orange. Limonite 1.5%, hematite 0.5%. Alteration silicification.		
		169.1 - 171.1	Patchy Weak Silicification	
171.1 - 172.2	IV	Intermediate volcanic dyke, brecciated with large angular clasts. Oxidation, hematite 1%, limonite 1%. Alteration: weak carbonate.		
		171.1 - 172.2	Patchy Weak Fe-carb	
172.2 - 178.8	HU	Zone: orange, unconsolidated HU. Oxidation: 1.5% hematite, original fabric completely destroyed.		
		172.2 - 178.8	Pervasive Moderate Clay	
178.8 - 189.9	MxF	Zone: orange, foliated mixed gneiss, felsic dominated. Mafic band from 184.47-184m. Alteration: moderate pervasive silicification, moderate patchy sericitization. Oxidation: 1% limonite, 0.5% hematite.		
		178.8 - 189.9	Pervasive Moderate Silicification	Patchy Moderate Sericitisation
189.9 - 193.6	MxF	Foliated mixed gneiss felsic dominated grey-pink. Alteration: strong silicification pervasive, moderate sericitization pervasive. Oxidation: limonite 1% disseminated, hematite 1.5% disseminated.		
		189.9 - 193.6	Pervasive Strong Silicification	Pervasive Moderate Sericitisation
193.6 - 199.0	MxF	Foliated mixed gneiss felsic dominated orange. Alteration: moderate silicification pervasive, weak sericitization pervasive. Oxidation: 0.5% fracture controlled hematite, 1% disseminated limonite.		
		193.6 - 199.0	Pervasive Moderate Silicification	Pervasive Weak Sericitisation
199.0 - 209.4	MxF	Foliated mixed gneiss felsic dominated, grey. Mafic bands: 200.02-200.38m, 206.31-206.84m and 207.68-208.21. Alteration: strong sericitization patchy, moderate silicification pervasive. Oxidation, 1% disseminated hematite, 0.5% disseminated limonite.		
		199.0 - 209.4	Pervasive Moderate Silicification	Patchy Strong Sericitisation

Drill Log: CFD0481

Easting	583958.17	Hole Length	104m	Prospect	Supremo T1-2	Drill Started	Oct 06, 2014	Comment
Northing	6973625.12	Azimuth	270°	Target	Infill	Drill Completed	Oct 07, 2014	
Projection	UTM7-NAD83	Dip	-50°	Geologist	SVollebregt	Core Size	NQ2	
Survey method	RTK GPS	Elevation	1077.56mASL					

Litholoav and Alteration

Interval	Lith	Texture	Deformation	Comments
0.0 - 5.0	OVB			
5.0 - 28.1	MxM	silc		Mixed Gniess, weak clay alteration of biotie schist, mod sercite-silca alteration(13-15m)
		5.0 - 28.9	Replaces Felsics Weak Sericitisation	Patchy Moderate Silicification Patchy Moderate Clay
28.1 - 31.5	MxM			Thin zone possible, patchy fc lm alteration up to(.2%), silica flooding(30.8m)
		28.9 - 31.5	Replaces Felsics Moderate Sericitisation	
31.5 - 35.6	MxM			Thin zone, moderate silica-sericte alteration, pervassive lm alteration(.5%), fc hm alteration(.1%), possible Ylim breaccia(35.75-35.90m)
		31.5 - 35.6	Patchy Moderate Silicification	Patchy Moderate Sericitisation
35.6 - 37.5	MxM			Mixed Gniess, moderate mechanical fracturing, minor fc lm alteration up to(.1%).
		35.6 - 37.5	Fracture Controlled Weak Clay	
37.5 - 42.9	MxM			Zone, moderate sericite-silca alteration, strong patchy hematisation replacing mafic minerals, pervasive lm alteration. possible Yc intense lm alteration (39.55-88).
		37.5 - 42.9	Patchy Strong Sericitisation	Patchy Moderate Silicification Patchy Moderate Clay
42.9 - 48.4	MxM			Shoulder to zone, clay replacing felsic minerals, weak pervasive silification, fc lm alteration.
		42.9 - 48.4	Replaces Felsics Moderate Clay	Patchy Weak Silicification
48.4 - 75.8	MxM			Mixed gniess, weak augen development, variable oxidation, disseminated pyrite .5% to blebs 2%.
		48.4 - 75.8	Patchy Moderate Silicification	Patchy Moderate Clay
75.8 - 83.3	MxM			Mixed gniess, more variable oxidation and silification.
		75.8 - 83.3	Patchy Strong Silicification	
83.3 - 85.7	MxM	silc		Highly silicified, distict FC oxidation, mafics very prominent.
		83.3 - 85.7	Patchy Intense Silicification	Fracture Controlled Weak Clay
85.7 - 93.2	MxM			Mixed gniess, variable oxidation, disseminated pyrite.
		85.7 - 93.2	Patchy Weak Clay	Patchy Weak Silicification
93.2 - 97.5	MxM			Thin zone , variable oxidation, possible weak ylim(95.9)
		93.2 - 97.5	Patchy Strong Clay	Patchy Strong Silicification
97.5 - 104.0	MxM			Mixed Gniess, patches of strong silification, disseminated pyrite still present, quartz flodding (103.3)
		97.5 - 104.0	Patchy Moderate Silicification	Patchy Weak Sericitisation

Drill Log: CFD0482

Easting	584183.84	Hole Length	209.7 m	Prospect	Supremo T4	Drill Started	Oct 06, 2014	Comment
Northing	6973332.96	Azimuth	270°	Target	Infill	Drill Completed	Oct 09, 2014	
Projection	UTM7-NAD83	Dip	-50°	Geologist	CDavis	Core Size	NQ2	
Survey method	RTK GPS	Elevation	1005.78mASL					

Litholoav and Alteration

Interval	Lith	Texture	Deformation	Comments	
0.0 - 4.2	OVb				
4.2 - 18.0	BtS	lamn		very blocky, lam, mod-strong chl alt after mafics, weak frac lim	
		4.2 - 18.0	Replaces Mafics Moderate Chlorite	Fracture Controlled Weak Clay	
18.0 - 42.8	BtS	lamn		weakly brecciated biotite schist with intturdng fg mass intermediate-mafic dyke, oxide stronger in bx BtS	
		18.0 - 27.6	Pervasive Moderate Silicification	Fracture Controlled Moderate Clay	Patchy Moderate Sericitisation
		27.6 - 42.8	Pervasive Moderate Silicification	Patchy Weak Sericitisation	Fracture Controlled Weak Clay
42.8 - 54.0	MxF	band		interbanded biotite schist and felsic gneiss, weakly alt, weak oxide	
		42.8 - 54.0	Pervasive Strong Silicification	Replaces Mafics Moderate Chlorite	
54.0 - 62.0	Ylim	bxm		becciated biotite schist with lim matrix, jig saw framework, strong oxide	
		54.0 - 62.0	Pervasive Moderate Silicification	Fracture Controlled Moderate Clay	Patchy Moderate Sericitisation
62.0 - 82.6	MxM	lamn		biotite schist +/- amph dominates over fleisic gneiss, mod chl after mafics	
		62.0 - 82.6	Pervasive Strong Silicification	Replaces Mafics Moderate Chlorite	Fracture Controlled Weak Clay
82.6 - 84.4	BtS	bxl		weakly brecciated biotite schist, strong-intense oxide	
		82.6 - 84.4	Pervasive Moderate Silicification	Fracture Controlled Moderate Clay	Patchy Moderate Sericitisation
84.4 - 119.3	MxM	lamn		biotite schist, mod chl alt after mafics, patchy clay alt	
		84.4 - 92.4	Pervasive Moderate Silicification	Replaces Mafics Moderate Chlorite	Patchy Moderate Clay
		92.4 - 108.8	Pervasive Moderate Silicification	Replaces Mafics Moderate Chlorite	
		108.8 - 112.8	Pervasive Weak Silicification	Replaces Mafics Weak Chlorite	Pervasive Weak Clay
		112.8 - 119.3	Pervasive Moderate Silicification	Replaces Mafics Moderate Chlorite	pink hem
119.3 - 121.0	MxM	lamn		biotite schist, strong patchy oxidation	
		119.3 - 121.0	Pervasive Moderate Silicification	Fracture Controlled Moderate Clay	Patchy Moderate Sericitisation
121.0 - 139.1	MxM	lamn		biotite schist +/- amp with common felsic bands <=5mm, weak-no oxide, mod sil perv alt, patchy mod clay alt	
		121.0 - 139.1	Pervasive Moderate Silicification	Replaces Mafics Moderate Chlorite	
139.1 - 148.9	MxM	lamn		alternating zones biotite schist 1-2m & strong oxidized & mod frac clay alt intervals 1-2m	
		139.1 - 148.9	Pervasive Moderate Silicification	Patchy Moderate Clay	Patchy Strong Sericitisation

148.9 - 155.0	MxM	lamn	bt +/- amph with plag augens,		
		148.9 - 155.0	Pervasive Moderate Silicification	Patchy Strong Clay	Patchy Moderate Sericitisation
155.0 - 156.6	MxM	lamn	bt +/- amph with plag augens,		
		155.0 - 156.6	Pervasive Moderate Clay	Patchy Moderate Sericitisation	
156.6 - 162.0	MxM	lamn	bt +/- amph with plag augens,		
		156.6 - 162.0	Patchy Strong Silicification	Patchy Strong Clay	Patchy Moderate Sericitisation
162.0 - 171.8	MxM	lamn	bt +/- amph with plag augens,		
		162.0 - 171.8	Pervasive Strong Silicification	Patchy Moderate Sericitisation	
171.8 - 174.6	MxM	lamn	bt +/- amph with plag augens,		
		171.8 - 174.6	Pervasive Moderate Silicification	Patchy Moderate Sericitisation	Fracture Controlled Moderate Clay
174.6 - 178.7	MxM	lamn	bt +/- amph with plag augens,		
		174.6 - 178.7	Pervasive Strong Silicification	Patchy Weak Sericitisation	Patchy Weak Clay
178.7 - 182.4	MxM	lamn	bt +/- amph with plag augens,		
		178.7 - 182.4	Patchy Strong Silicification	Patchy Strong Clay	Patchy Moderate Sericitisation
182.4 - 187.1	MxM	lamn	bt +/- amph with plag augens, mod-strong perv sil		
		182.4 - 187.1	Patchy Strong Silicification	Patchy Moderate Clay	Patchy Moderate Sericitisation
187.1 - 209.7	MxM	lamn	bt +/- amph with weak plag augens, mod-strong perv sil, minor ox patches, felsic bands 1-20cm bottom 4m		
		187.1 - 194.9	Pervasive Strong Silicification	Patchy Weak Sericitisation	
		194.9 - 200.0	Pervasive Strong Silicification	Patchy Moderate Sericitisation	
		200.0 - 209.7	Pervasive Strong Silicification	Patchy Weak Sericitisation	

Drill Log: CFD0483

Easting	583960.17	Hole Length	116m	Prospect	Supremo T1-2	Drill Started	Oct 07, 2014	Comment
Northing	6973578.53	Azimuth	270°	Target	Connector	Drill Completed	Oct 08, 2014	
Projection	UTM7-NAD83	Dip	-50°	Geologist	NStephen	Core Size	NQ2	
Survey method	RTK GPS	Elevation	1056.32mASL					

Lithology and Alteration

Interval	Lith	Texture	Deformation	Comments
0.0 - 6.4	OVB			
6.4 - 22.2	MxM	band		Mixed gneiss, mafic dominated. Alteration: weak clay pervasive, moderate silicification patchy, weak sericitization patchy. Oxidation: 1% limonite disseminated, 1% hematite fracture controlled.
		6.4 - 22.2	Pervasive Weak Clay	Patchy Moderate Silicification Patchy Weak Sericitisation
22.2 - 44.7	MxM	augn		Mixed gneiss, mafic dominated with biotite-feldspar schist. Felspar augens in a biotite matrix. Alteration is clay moderate patchy, sericitization moderate pervasive, silicification moderate pervasive. Oxidation: 0.5% disseminated limonite, 1% fracture controlled hematite.
		22.2 - 44.7	Patchy Moderate Clay	Pervasive Moderate Silicification Pervasive Moderate Sericitisation
44.7 - 56.0	MxM	augn		Shoulder Zone: Same as above unit, more oxidised, increase in fracture controlled hematite (1.5%), 0.5% disseminated limonite. Alteration moderate sericitization pervasive, strong silicification patchy (quartz vein from 44.67-45.22m).
		44.7 - 56.0	Pervasive Moderate Sericitisation	Patchy Strong Silicification
56.0 - 61.3	MxM	augn		Zone: oxidised gneiss, can still see original fabric. Dark red-brown disseminated hematite (1%), disseminated limonite 0.5%. Moderate clay alteration replacing felsic minerals, moderate patchy silicification, weak patchy sericitization.
		56.0 - 61.3	Patchy Weak Sericitisation	Replaces Felsics Moderate Clay Patchy Moderate Silicification
61.3 - 75.0	MxM	augn		Mixed gneiss, mafic dominated with biotite-feldspar schist. Alteration is moderate silicification patchy, weak clay patchy. Oxidation: disseminated limonite 0.5%, fracture controlled hematite 1%.
		61.3 - 75.0	Patchy Moderate Silicification	Patchy Weak Clay
75.0 - 79.7	OG			Metagabbro, amphibole rich, altered contact at 74.95m, fine grained to 75.5m before becoming coarser possible chilled margin, no foliations. Epidote present, amphibole rich, weak carbonate throughout. Oxidation 0.1% limonite disseminated, 0.5% hematite fracture controlled.
		75.0 - 79.7	Patchy Weak Silicification	
79.7 - 92.9	OG			Orange, same as above unit, more altered and oxidised. Remains coarse grained until becoming gradually finer from 83.27m. Weak silicification patchy, weak sericitization patchy. Oxidation, limonite 0.5% disseminated, hematite 1.5% disseminated.
		79.7 - 92.9	Patchy Weak Silicification	Patchy Weak Sericitisation
92.9 - 100.5	Ylim	bx		Zone: Orange, limonite matrix brecciated mixed gneiss. Oxidation: limonite 2% disseminated, 1.5% fracture controlled hematite. Alteration patchy weak silicification, strong clay pervasive.
		92.9 - 100.5	Patchy Weak Silicification	Pervasive Strong Clay
100.5 - 103.6	MxM			Shoulder zone: original fabric almost completely destroyed, grey-orange colour. Alteration is strong kaolinite clay pervasive, silicification moderate patchy. Oxidation 1% limonite disseminated, 0.5% hematite fracture controlled.
		100.5 - 103.6	Pervasive Strong Clay	Patchy Moderate Silicification
103.6 - 116.0	MxM	augn		Mixed gneiss, mafic dominated. Feldspar augens in a biotite schist matrix. Alteration is weak clay pervasive, moderate silicification patchy. Oxidation: 0.5% limonite disseminated, 1% hematite fracture controlled. From 107.09-111.12m rock is more oxidised, same unit.
		103.6 - 116.0	Pervasive Weak Clay	Patchy Moderate Silicification

Drill Log: CFD0484

Easting	584526.58	Hole Length	248m	Prospect	Supremo T5	Drill Started	Oct 07, 2014	Comment
Northing	6974650.57	Azimuth	270°	Target	T3	Drill Completed	Oct 10, 2014	
Projection	UTM7-NAD83	Dip	-50°	Geologist	NStephen	Core Size	NQ2	
Survey method	RTK GPS	Elevation	1222.23mASL					

Lithology and Alteration

Interval	Lith	Texture	Deformation	Comments
0.0 - 4.0	OVB			
		0.0 - 32.0	Replaces Felsics Weak Clay	Patchy Moderate Silicification Patchy Weak Sericitisation
4.0 - 32.0	FG	augn		Felsic gneiss, grey, augen texture. Alteration weak felsic replacing clay, moderate silicification patchy, weak local sericitization patchy. Oxidation: 1% fracture controlled hematite, 0.1% limonite disseminated.
32.0 - 34.2	FG			Clay altered felsic gneiss, unconsolidated from 32-32.15m and 33.81-34.16m (possible fault?), original fabric completely destroyed. Alteration is intense clay pervasive. Oxidation: 2% hematite disseminated, 0.5% hematite disseminated.
		32.0 - 34.2	Pervasive Intense Clay	
34.2 - 61.0	FG	augn		Felsic gneiss, augen bearing, grey-pink. Becomes more orange from 50.54-60.95m, increase in clay alteration. Alteration is weak clay patchy, moderate silicification patchy. Oxidation: 1% fracture controlled hematite, 0.5% limonite disseminated.
		34.2 - 61.0	Patchy Weak Clay	Patchy Moderate Silicification
61.0 - 72.8	Ylim	bx		Zone: Limonite matrix breccia, altered felsic gneiss from 65.22-67.26m. Unconsolidated HU from 64.9-65.22m and 67.26-67.74m. Alteration is strong clay pervasive, moderate silicification patchy. Oxidation: 1% limonite disseminated, 2% hematite disseminated
		61.0 - 72.8	Pervasive Strong Clay	Patchy Moderate Silicification
72.8 - 78.5	MxF	augn		Shoulder Zone: Mixed gneiss, felsic dominated. Augen bearing, grey-pink. Mafic band from 77-77.28m, rock is more clay and sericite altered. Alteration is moderate clay pervasive, weak sericitization patchy (localised), weak silicification patchy. Oxidation: 1.5% limonite disseminated, 1% fracture controlled hematite.
		72.8 - 78.5	Pervasive Moderate Clay	Patchy Weak Silicification Patchy Weak Sericitisation
78.5 - 87.5	MxM			Mixed gneiss, mafic dominated. Mafic characterized by sericite/chlorite alteration of a biotite matrix schist. Alteration is local moderate sericitization patchy, weak silicification patchy, weak clay patchy. Oxidation 0.5% limonite disseminated, 1% hematite fracture controlled.
		78.5 - 87.5	Patchy Weak Clay	Patchy Weak Silicification Patchy Moderate Sericitisation
87.5 - 114.9	FG	augn		Felsic gneiss, pink-grey, augen bearing. From 104.31-105.73m rock is a reddish-orange colour, due to an increase in hematite oxidation (anomalous XRF value of 681) and 108.77-109.76m another increase in hematite oxidation (anomalous XRF value of 205). Alteration is moderate clay pervasive, moderate silicification patchy, local sericitization patchy. Oxidation: 1% limonite, 0.5% hematite fracture controlled.
		87.5 - 104.3	Pervasive Moderate Clay	Patchy Moderate Silicification Patchy Weak Sericitisation
		104.3 - 105.7	Replaces Felsics Strong Clay	
		105.7 - 114.9	Pervasive Moderate Clay	Patchy Moderate Sericitisation Patchy Weak Sericitisation
114.9 - 121.2	MxF	augn		Mixed gneiss, felsic dominated. Alteration is moderate pervasive silicification, weak sericite patchy (localised to mafic bands). Oxidation: 0.1% limonite disseminated, 1.5% hematite fracture controlled
		114.9 - 121.2	Pervasive Moderate Silicification	Patchy Weak Sericitisation
121.2 - 125.7	MxF	augn		Weak zone: same as above unit but more clay altered. Alteration is moderate clay replacing felsics, moderate silicification pervasive. Oxidation: 1% limonite disseminated, 2% hematite fracture controlled.
		121.2 - 125.7	Replaces Felsics Moderate Clay	Pervasive Moderate Silicification
125.7 - 150.6	MxF	augn		Mixed gneiss, felsic dominated, augen bearing. Alteration is moderate pervasive silicification, weak clay replacing felsics, mafic bands- weak sericite patchy, weak chlorite disseminated. Oxidation: 1.5% limonite disseminated, 1.5% hematite disseminated.
		125.7 - 150.6	Replaces Felsics Weak Clay	Pervasive Moderate Silicification Patchy Weak Sericitisation

150.6 - 176.0	MxF	augn	Shoulder zone: same as above unit but more clay altered and hematite stained. Rock is a red-orange colour. Alternating red-brown hematite stained zones and white bleached clay altered zones. Alteration is white moderate clay patchy, silicification moderate patchy, sericitisation weak patchy. Oxidation: 1% limonite disseminated, 1.5% hematite fracture controlled.		
150.6 - 176.0		Patchy Moderate Clay	Patchy Moderate Silicification	Patchy Weak Sericitisation	
176.0 - 187.9	MxF		Zone: Highly altered mixed felsic dominated gneiss. Unconsolidated from 179-179.93m with patches of limonite matrix breccia. Alteration is strong clay pervasive, moderate silicification patchy. Oxidation: 1.5% limonite disseminated, 2% hematite disseminated.		
176.0 - 187.9		Pervasive Strong Clay	Patchy Moderate Silicification	Patchy Weak Sericitisation	
187.9 - 198.5	MxF		Zone: Altered mixed felsic dominated gneiss. Strong hematite staining. Alteration is moderate clay pervasive, moderate silicification patchy, weak sericitisation patchy. Oxidation: 0.5% limonite disseminated, 1.5% hematite fracture controlled.		
187.9 - 198.5		Pervasive Moderate Clay	Patchy Moderate Silicification	Patchy Weak Sericitisation	
198.5 - 206.3	MxF		Zone: Altered mixed felsic dominated gneiss. Strong hematite staining. Alteration is strong clay replacing felsics, moderate silicification patchy, weak sericitisation patchy. Oxidation: 1% limonite disseminated, 2.5% hematite disseminated.		
198.5 - 206.3		Replaces Felsics Strong Clay	Patchy Moderate Silicification	Patchy Weak Sericitisation	
206.3 - 220.4	MxF		Zone: Highly altered and oxidised mixed felsic dominated gneiss. Alteration is strong clay replacing felsics, moderate silicification patchy, weak sericitisation patchy. Oxidation: 1% limonite disseminated, 2% hematite disseminated.		
206.3 - 220.4		Replaces Felsics Strong Clay	Patchy Moderate Silicification	Patchy Weak Sericitisation	
220.4 - 221.3	HU		Zone: Intensely oxidised, hydrothermally altered unconsolidated material. Brecciated margin of intermediate volcanic dyke around 220.76m. Alteration is intense clay pervasive. Oxidation: 1.5% limonite disseminated, 2% hematite disseminated.		
220.4 - 221.3		Pervasive Intense Clay			
221.3 - 225.7	IV		Intermediate volcanic dyke, thin stringer quartz veins throughout dyke. Alteration is weak clay patchy, moderate silicification patchy. Oxidation: 0.2% limonite disseminated, 0.5% hematite fracture controlled.		
221.3 - 225.7		Patchy Weak Clay	Patchy Moderate Silicification		
225.7 - 227.6	IV	bx	Shoulder zone: lower margin of volcanic dyke, also brecciated and moderately hematite stained. Alteration is moderate clay patchy, weak sericitisation patchy. Oxidation: 1.5% limonite disseminated, 2.5% hematite diissemminated.		
225.7 - 227.6		Pervasive Moderate Clay	Patchy Weak Sericitisation		
227.6 - 248.0	MxM		Mixed gneiss, mafic dominated. Wide quartz vein from 232.08-232.34m, 232.51-78m. Alteration is strong silicification patchy, moderate sericitisation patchy, moderate clay patchy. Oxidation: 0.5% limonite disseminated, 0.5% hematite fracture controlled.		
227.6 - 248.0		Patchy Strong Silicification	Patchy Moderate Sericitisation	Patchy Moderate Clay	

Drill Log: CFD0485

Easting	584115.69	Hole Length	224m	Prospect	Supremo T4	Drill Started	Oct 08, 2014	Comment
Northing	6973519.82	Azimuth	273°	Target	Infill	Drill Completed	Oct 11, 2014	
Projection	UTM7-NAD83	Dip	-50°	Geologist	SVollebregt	Core Size	NQ2	
Survey method	RTK GPS	Elevation	1052.44mASL					

Lithology and Alteration

Interval	Lith	Texture	Deformation	Comments
0.0 - 8.2	OVb			6m casing
		6.0 - 8.2	Pervasive Strong Clay	
8.2 - 31.6	MxM			Weathered more extensively near surface, highly variable clay alteration, large silica vein (27.4)
		8.2 - 31.6	Patchy Strong Clay	Pervasive Moderate Silicification
31.6 - 36.9	MxM			Pervasive moderate oxidation,
		31.6 - 36.9	Pervasive Strong Silicification	Pervasive Strong Sericitisation Fracture Controlled Moderate Clay
36.9 - 58.6	MxM			Bands of high conc. rose Hm(47.5)+/- 20cm, +/- weak augen development.
		36.9 - 58.6	Pervasive Moderate Silicification	Pervasive Moderate Sericitisation
58.6 - 63.3	MxM			Micro zone (69.5) strong lm& hm alteration, 69.5m XRF As328, pervasive alteration, intense sericitisation (58.6-60)
		58.6 - 63.3	Pervasive Strong Silicification	Patchy Intense Sericitisation
63.3 - 69.3	MxM			Highly silicified, disseminated-blebs hm throughout.
		63.3 - 69.3	Pervasive Strong Silicification	Pervasive Strong Sericitisation
69.3 - 92.9	MxM			+/- weak augen development, strong silification mod sericitisation(74.2-75.4) blebs pyrite silified zones (84-87.2)
		69.3 - 74.2	Pervasive Moderate Silicification	Patchy Moderate Sericitisation
		74.2 - 77.0	Pervasive Strong Silicification	Pervasive Moderate Sericitisation
		77.0 - 92.9	Pervasive Moderate Silicification	Weak Sericitisation
92.9 - 105.5	BtS			Variable clay alteration, varied silicification-sericitisation strong to weak, moderately oxidised zone, slight gneissic texture appearing 103.5, carbonated fracture 102.9
		92.9 - 105.5	Patchy Strong Silicification	Patchy Strong Clay Patchy Moderate Sericitisation
105.5 - 108.9	IV			Dike, med-fine grained feldspars in a dark aphanitic groundmass, brecciated oxidised upper margin moving into clay alteration 106.5. weak clay altered lower margin.
		105.5 - 108.9	Patchy Strong Clay	Patchy Moderate Sericitisation
108.9 - 119.8	MxM			mixed gneiss, pyrite lense (114.20), strong silification sericitisation(111-113), patch of mylonitic type texture.
		108.9 - 119.8	Patchy Strong Silicification	Patchy Moderate Sericitisation
119.8 - 136.5	MxM			Mixed gneiss, Strong sericitisation patchy, +/- weak augen development, +/- bands of red rose hematite, silica flooding 119.9-120, patches of well developed feldspars 125.3.
		119.8 - 136.5	Patchy Strong Sericitisation	Pervasive Moderate Silicification
136.5 - 142.1	MxF			Mixed gneiss, characterised by pervasive 'red rose' hm, highly silicified, patchy strong sericite alteration. FC hm-lm oxidation.
		136.5 - 142.1	Pervasive Strong Silicification	Patchy Strong Sericitisation
142.1 - 157.0	MxM			Mixed gneiss, bands Bts, small brecciated Ylim 146.8 angular clasts 1.5% hm, disseminated pyrite .2%
		142.1 - 157.0	Pervasive Moderate Silicification	Patchy Strong Sericitisation Patchy Moderate Clay
157.0 - 160.0	MxM			Shoulder to zone, .5% hm pervasive, FC lm .5%, strong sericite alteration.
		157.0 - 160.5	Pervasive Moderate Silicification	Patchy Strong Sericitisation

160.0 - 162.5	MxM	Shoulder Zone, strong Carbonate veining, transiting into a crackle breccia Yx, strong silicification, pervasive lm 1%, interstitial network hm .5%		
		160.5 - 162.5	Pervasive Strong Silicification	Patchy Strong Sericitisation
162.5 - 165.6	Ycarb	Carbonate matrix breccia, angular clasts, moderate pervasive lm oxidation.		
		162.5 - 165.6	Pervasive Strong Silicification	Pervasive Moderate Calcite
165.6 - 168.0	YO	Zone, Sooty sulphide clasts, Strong oxidation lm hm.		
		165.6 - 168.0	Pervasive Moderate Silicification	Patchy Moderate Sericitisation
168.0 - 170.0	MxM	Shoulder to zone, pervasive hm lm oxidation, mod sericite alteration.		
		168.0 - 170.0	Pervasive Moderate Silicification	Patchy Moderate Sericitisation
170.0 - 181.3	MxM	Mixed Gniess, disseminated pyrite .1%, FC hm .1% lm.25%		
		170.0 - 181.3	Pervasive Moderate Silicification	
181.3 - 197.0	MxM	Mixed Gniess, varied carbonate alteration strong-weak, patches of strong epidote formation, Intense carbonate alteration(196.5-197.1)		
		181.3 - 197.0	Patchy Moderate Silicification	Patchy Strong Calcite
197.0 - 199.1	MxF	Mixed gniess, Highly silicified-sericitised, pink k-spar alteration, strong patchy clay alteration.		
		197.0 - 199.1	Pervasive Strong Silicification	Pervasive Strong Sericitisation Patchy Strong Clay
199.1 - 220.1	MxM	Mixed Gniess patches of high % epidote alteration patchy, FC lm and hm alteration, patchy Bts, .5%pyrite disseminated through out. Strong clay alteration patchy.		
		199.1 - 220.1	Pervasive Moderate Silicification	Patchy Moderate Calcite Patchy Moderate Clay
220.1 - 224.0	FG	Felsic Gniess, moderately magnetic, moderate calcite alteration, +/- weak augen development.		
		220.1 - 224.0	Pervasive Strong Silicification	Pervasive Moderate Calcite

Drill Log: CFD0486

Easting	584236.88	Hole Length	278m	Prospect	Supremo T4	Drill Started	Oct 09, 2014	Comment
Northing	6973327.69	Azimuth	270°	Target	Infill	Drill Completed	Oct 13, 2014	
Projection	UTM7-NAD83	Dip	-50°	Geologist	CDavis	Core Size	NQ2	
Survey method	RTK GPS	Elevation	1011.15mASL					

Litholoav and Alteration

Interval	Lith	Texture	Deformation	Comments
0.0 - 6.6	OVB			
6.6 - 32.0	MBSLT	fgrn		fine massive grey-green dyke intruding lam schist (mafic lam in thin felsic bands), weak alteration, lower contact friable, nice intrusive textures 20-22m
		6.6 - 32.0	Pervasive Weak Silicification	
32.0 - 46.3	MxF	lamn		felsic-rich schist with mafic seams dominant over bt schist
		32.0 - 114.0	Replaces Mafics Moderate Chlorite	Pervasive Moderate Silicification Replaces Felsics Strong Silicification
46.3 - 52.1	MBSLT	fgrn		fine massive grey-green dyke intruding lam schist (mafic lam in thin felsic bands), weak alteration, 47.15-48.10m friable to clay rich
52.1 - 70.0	MxM	lamn		mix of bt schist dominant over felsic gness 90:10, mod-strong chl after mafic, mod sil stronger in felsics, var clay frac controlled, trace oxide frac controlled, 64-70m several white massive qz veins <=30cm subaparrallel foliation
70.0 - 114.0	MxM	lamn		bt schist +/- amph with minor intervals of fine mass grey unit = basalt? Int-mafic dyke? (loks like basalt from higher in hole), clay alt stronger near basaltic units otherwise weak clay alt, mod perv sil
114.0 - 118.0	MxM	lamn		bt schist fine-med with patchy intense sil weak-mod patchy oxidation
		114.0 - 118.0	Pervasive Moderate Silicification	Pervasive Moderate Sericitisation Replaces Mafics Weak Chlorite
118.0 - 159.0	MxM	lamn		bt schist with patches of strong oxide
		118.0 - 120.5	Pervasive Strong Silicification	Pervasive Strong Sericitisation
		120.5 - 159.0	Pervasive Moderate Silicification	Replaces Mafics Weak Chlorite Patchy Weak Sericitisation
159.0 - 161.1	MxM	bxi		fracture brecciated bt schist mod-strong oxide, higher As XRF in less bx zone
		159.0 - 160.0	Pervasive Moderate Sericitisation	Pervasive Weak Silicification Fracture Controlled Moderate Clay
		160.0 - 161.1	Pervasive Moderate Silicification	Replaces Mafics Weak Chlorite Patchy Moderate Sericitisation
161.1 - 169.7	BtS	lamn		Schist, up to 1.5% disseminated sooty pyrite, mostly unox, mod to strong sericite, strong tan bleaching from 164.5-166.5.
		161.1 - 169.7	Pervasive Moderate Sericitisation	Pervasive Weak Clay
169.7 - 174.5	BtS	lamn		Schist, weak chlorite, calcite. Minor limonite/oxides on fractures.
		169.7 - 174.5	Patchy Weak Sericitisation	Fracture Controlled Weak Clay
174.5 - 175.6	BtS			Thin zone, mod sericite bleaching, silica. 1% diss sooty pyrite.
		175.5 - 175.6	Pervasive Moderate Sericitisation	Pervasive Moderate Silicification
175.6 - 185.2	BtS	augn		Bt schist, patch of sericite bleaching at 183m (weak As)Mod clay replacemtn of feldspars.
		175.6 - 185.2	Pervasive Weak Calcite	Pervasive Weak Chlorite
185.2 - 191.1	BtS			Zone, schist with 1.5-2% diss sooty py, local 1% hem after, fracture zones with strong ox. Weakens at 188m for ~80cm.
		185.2 - 191.1	Pervasive Moderate Sericitisation	Fracture Controlled Moderate Clay
191.1 - 192.0	Ylim	bx		Clast-supported, clay matrix breccia with 1cm angular to semi-rounded monomictic clasts of wall rock. 1.5% limonite through matrix, weak.
		191.1 - 192.0	Replaces Matrix Strong Clay	Replaces Clasts Moderate Sericitisation

192.0 - 195.3	BtS	Continuation of min zone prior to Ylim bx. Up to 2% diss sooty pyrite. 10cm interval of YS, mildly ox calcite-sootypy bx through schist at 193m.		
		192.0 - 195.3	Pervasive Strong Sericitisation	Pervasive Moderate Clay
195.3 - 204.0	BtS	pblst	Schist 0.25cm feldspar pblst, patches of mod sericite, bleaching. Mod clay replacement of fs with weak ox.	
		195.3 - 204.0	Patchy Moderate Sericitisation	Patchy Moderate Clay
204.0 - 215.5	BtS	Patchy zone, up to 1.5% diss sooty pyrite alternating with bleached, strongly sericitized and silicified zones with a beige, washed out appearance. Heavily fractured in areas.		
		204.0 - 215.5	Patchy Strong Sericitisation	Patchy Strong Silicification Patchy Moderate Clay
215.5 - 238.8	MxM	augn	Mixed mafic gneiss with coarse feldspar augen and thin biotite schist portions. Mod silica throughout.	
		215.5 - 238.6	Pervasive Moderate Silicification	Patchy Moderate Sericitisation
		238.6 - 240.8	Pervasive Strong Sericitisation	Pervasive Moderate Silicification
238.8 - 240.8	BtS	Thin zone, 2% diss sooty py through schist, quickly fades to normal, less altered biotite schist at margins.		
240.8 - 262.0	MxM	augn	Mixed mafic gneiss and bt schist, weak fc limonite, local washed out, bleached appearance (weak).	
		240.8 - 262.0	Patchy Weak Sericitisation	Fracture Controlled Weak Clay
262.0 - 267.9	MxM	augn	Patchy zone, strong silica-sericite patches with associated 1% diss sooty sulphide.	
		262.0 - 267.9	Patchy Strong Sericitisation	Patchy Strong Silicification
267.9 - 278.0	MxM	Patchy silica-sericite, weak fracture controlled clay. Some epidote.		
		267.9 - 278.0	Patchy Moderate Silicification	Patchy Moderate Sericitisation Fracture Controlled Weak Clay

Drill Log: CFD0487

Easting	584381.18	Hole Length	281m	Prospect	Supremo T3	Drill Started	Oct 10, 2014	Comment	Re-drill for CFD0480 (A5), poor recovery (64-37, 170-179m) & ended short due to waterline freeze
Northing	6974625.84	Azimuth	270°	Target	Infill	Drill Completed	Oct 14, 2014		
Projection	UTM7-NAD83	Dip	-50°	Geologist	NStephen	Core Size	NQ2		
Survey method	RTK GPS	Elevation	1248.75mASL						

Litholoav and Alteration

Interval	Lith	Texture	Deformation	Comments
0.0 - 2.9	OVb			
		0.0 - 18.4	Replaces Felsics Moderate Silicification	Patchy Weak Sericitisation
2.9 - 18.4	MxF	augn		Mixed gneiss, felsic dominated, augen bearing. Alteration is moderate silicification replacing felsics, weak patchy sericitization (localised in mafic bands). Oxidation: 1.5% hematite fracture controlled, 0.5% limonite disseminated.
18.4 - 26.4	MxF			Mixed gneiss, felsic dominated. Same as previous unit but more altered and oxidised. Alteration is moderate clay pervasive, moderate silicification patchy. Oxidation: 1.5% limonite disseminated, 1% hematite fracture controlled.
		18.4 - 26.4	Pervasive Moderate Clay	Patchy Moderate Silicification
26.4 - 46.5	MxF	augn		Mixed gneiss. Felsic dominated, augen bearing. Alteration is weak clay patchy, moderate silicification patchy. Oxidation: 0.1% limonite disseminated, 1% hematite fracture controlled.
		26.4 - 46.5	Patchy Weak Clay	Patchy Weak Silicification
46.5 - 50.9	IV	mgrn		Zone: Intermediate volcanic dyke. Grey-brown colour from 46.47-47.5m, grey from 47.5-49.45m, then colour change to orange 49.45-50.87m - more clay alteration and different texture. Dyke weathered preferentially along fractures - leisegang banding present. Overall alteration is weak clay patchy and oxidation: 0.5% fracture controlled hematite, 0.1% limonite fracture controlled.
		46.5 - 50.9	Patchy Weak Clay	
50.9 - 53.2	MxF	augn		Zone: Mixed gneiss, felsic dominated, augen bearing. Alteration is moderate clay replaces felsics, silicification moderate patchy. Oxidation: 0.5% limonite disseminated, 0.5% hematite fracture controlled.
		50.9 - 53.2	Replaces Felsics Moderate Clay	Patchy Moderate Silicification
53.2 - 64.9	MxF			Zone: Highly fractured, oxidised and altered zone. Unconsolidated HU from 57.52-52.97m. Alteration is strong clay pervasive, moderate silicification patchy. Oxidation: 1.5% limonite disseminated, 2% hematite pervasive.
		53.2 - 64.9	Pervasive Strong Clay	Patchy Moderate Silicification
64.9 - 75.8	MxF	augn		Shoulder zone: weakly mineralised mixed gneiss, felsic dominated. Alteration is moderate clay pervasive, moderate silicification patchy. Oxidation: 0.5% limonite disseminated, 1% hematite fracture controlled.
		64.9 - 75.8	Pervasive Moderate Clay	Patchy Moderate Silicification
75.8 - 123.2	MxF	augn		Mixed gneiss, felsic dominated. From 93.74-94.39m and 108.28-115.55m slight increase in alteration and oxidation. Overall alteration is weak clay patchy, moderate silicification patchy, weak sericitisation patchy. Oxidation: 1% limonite disseminated, 1% hematite fracture controlled.
		75.8 - 123.2	Patchy Weak Clay	Patchy Moderate Silicification Patchy Weak Sericitisation
123.2 - 155.2	MxF	augn		Mixed gneiss, felsic dominated. Unit is similar to above but more strongly clay altered replacing felsics. Alteration is strong clay replacing felsics, weak silicification patchy, weak sericitisation patchy. Oxidation: 1.5% limonite disseminated, 0.5% hematite fracture controlled.
		123.2 - 155.2	Replaces Felsics Strong Clay	Patchy Weak Silicification Patchy Weak Sericitisation
155.2 - 159.6	MxF	augn		Mixed gneiss, felsic dominated, grey with pink hematite staining. Alteration is weak clay replacing felsics, moderate silicification patchy. Oxidation: 0.5% limonite disseminated, 1% hematite fracture controlled.
		155.2 - 159.6	Replaces Felsics Weak Clay	Patchy Moderate Silicification
159.6 - 164.0	MxF			Shoulder zone: orange, altered and oxidised mixed gneiss felsis dominated. Alteration is moderate clay replacing felsics, moderate silicification patchy, weak sericitisation patchy. Oxidation: 1% limonite disseminatt, 1.5% hematite fracture controlled.
		159.6 - 164.0	Replaces Felsics Moderate Clay	Patchy Moderate Silicification Patchy Weak Sericitisation

164.0 - 164.8	YC		Shoulder zone: silicified clast breccia, silica cement. Alteration is moderate clay pervasive, strong silicification pervasive. Oxidation: limonite 1% disseminated, 1% hematite disseminated.		
		164.0 - 164.8	Pervasive Moderate Clay	Pervasive Strong Silicification	
164.8 - 170.0	MxF		Zone: oxidised and altered felsic dominated mixed gneiss. Alteration is moderate clay pervasive, moderate silicification patchy, weak sericitisation patchy. Oxidation: 1.5% limonite disseminated, 2% hematite disseminated.		
		164.8 - 170.0	Pervasive Moderate Clay	Patchy Moderate Silicification	Patchy Weak Sericitisation
170.0 - 172.2	YC		Zone: silicified clast breccia, clay cement. Alteration is moderate clay pervasive, strong silicification pervasive. Oxidation: 1% limonite disseminated, 1% hematite disseminated.		
		170.0 - 172.2	Pervasive Moderate Clay	Pervasive Strong Silicification	
172.2 - 179.6	MxF		Zone: oxidised and altered felsic dominated mixed gneiss. Alteration is moderate clay pervasive, moderate silicification patchy, weak sericitisation patchy. Oxidation: 1.5% limonite disseminated, 2% hematite disseminated.		
		172.2 - 179.6	Pervasive Moderate Clay	Patchy Moderate Silicification	Patchy Weak Sericitisation
179.6 - 180.5	YO		Zone: polymictic breccia, siliceous cement. Alteration is strong clay pervasive, strong silicification pervasive. Oxidation: 1.5% limonite disseminated, 1% hematite disseminated.		
		179.6 - 180.5	Pervasive Strong Clay	Pervasive Strong Silicification	
180.5 - 185.3	MxF		Zone: intensely oxidised and altered mixed gneiss. Unconsolidated HU from 181.49-181.83m. Alteration is intense clay pervasive, strong silicification pervasive. Oxidation: 1.5% limonite disseminated, 2% hematite disseminated.		
		180.5 - 185.3	Pervasive Intense Clay	Pervasive Strong Silicification	
185.3 - 186.9	MxF		Shoulder zone: Intensely white clay (kaolinite) altered mixed gneiss. Weak anomalous XRF value. Alteration is intense clay pervasive. Oxidation 1% limonite disseminated, 0.5% hematite disseminated.		
		185.4 - 186.9	Pervasive Intense Clay		
186.9 - 197.6	MxF		Shoulder zone: mixed gneiss felsic dominated. Alteration is moderate clay replacing felsics, moderate silicification patchy, weak sericitisation patchy. Oxidation: 1% limonite disseminated, 1.5% hematite fracture controlled.		
		186.9 - 197.6	Replaces Felsics Moderate Clay	Patchy Moderate Silicification	Patchy Weak Sericitisation
197.6 - 212.2	MxF		Mixed felsic dominated gneiss, fracture strong. Silicified clast breccia from 211.11-211.22m. Alteration is moderate clay replacing felsics, moderate silicification patchy, weak sericitisation patchy. Oxidation: 1% limonite disseminated, 1.5% hematite disseminated.		
		197.6 - 212.2	Replaces Felsics Moderate Clay	Patchy Moderate Silicification	Patchy Weak Sericitisation
212.2 - 239.4	MxM		Mixed mafic dominated gneiss, fracture moderate. Hematite staining in felsic bands. Alteration is moderate clay patchy, moderate sericitisation patchy, moderate silicification patchy. Oxidation: 0.5% limonite disseminated, 1% hematite fracture controlled.		
		212.2 - 239.4	Patchy Moderate Clay	Patchy Moderate Sericitisation	Patchy Moderate Silicification
239.4 - 241.2	MxM		Shoulder zone: Mixed mafic dominated gneiss. More oxidised and altered than previous unit. Alteration is moderate clay pervasive, moderate silicification pervasive. Oxidation: 1% limonite disseminated, 1% hematite fracture controlled.		
		239.4 - 241.2	Pervasive Moderate Clay	Pervasive Moderate Silicification	
241.2 - 246.3	MxM		Zone: Oxidised and altered mafic dominated gneiss. Brecciated HU from 243.51-249.98m. Alteration is intense clay pervasive, moderate silicification pervasive. Oxidation: 1.5% limonite disseminated, 2% hematite disseminated.		
		241.2 - 246.3	Pervasive Intense Clay	Pervasive Moderate Silicification	
246.3 - 281.0	MxM	band	Mafic dominated gneiss, weakly augen. lenses of biotite-chlorite-calcite schist with mildly porphyroblastic biotite texture. Zones of moderate patchy limonite oxidation up to 2% limonite, weak hematite staining. Alteration is weak patchy sericite, clay, patchy moderate calcite throughout, stockwork from 273-274.4m. Weak silica flooding.		
		246.3 - 252.2	Pervasive Moderate Silicification	Vein Selvedge Weak Calcite	
		252.2 - 258.5	Replaces Felsics Moderate Clay	Pervasive Moderate Silicification	Patchy Weak Sericitisation
		258.5 - 268.0	Pervasive Moderate Silicification	Patchy Moderate Clay	Patchy Moderate Calcite
		268.0 - 272.1	Pervasive Moderate Silicification	Patchy Moderate Calcite	
		272.1 - 274.2	Pervasive Moderate Silicification	Patchy Moderate Calcite	Pervasive Weak Clay
		274.2 - 281.0	Pervasive Moderate Silicification	Patchy Moderate Calcite	

Drill Log: CFD0488

Easting	584226.76	Hole Length	242m	Prospect	Supremo T4	Drill Started	Oct 11, 2014	Comment
Northing	6973523.87	Azimuth	270°	Target	Infill	Drill Completed	Oct 14, 2014	
Projection	UTM7-NAD83	Dip	-50°	Geologist	SVollebregt	Core Size	NQ2	
Survey method	RTK GPS	Elevation	1066.01mASL					

Litholoav and Alteration

Interval	Lith	Texture	Deformation	Comments
0.0 - 6.0	OVb			
6.0 - 16.6	MxM			Mixed gniess, +/- weak augen formation, strong silicification, minor clay alteration,
		6.0 - 16.6	Pervasive Moderate Silicification	Patchy Moderate Clay
16.6 - 18.6	MxM			Thin zone, patchy 1% hm, patchy 1.5% lm, strong sericitisation patchy.
		16.6 - 18.6	Pervasive Moderate Silicification	Patchy Strong Clay Patchy Strong Sericitisation
18.6 - 53.7	MxM			Mixed gniess, varied sericitisation weak-strong, +/- weak augen development, Patchy 'bleached zones' associattted with FC oxidation.
		18.6 - 36.0	Pervasive Moderate Silicification	Patchy Weak Sericitisation
		36.0 - 40.2	Pervasive Strong Silicification	Pervasive Strong Sericitisation
		40.2 - 53.7	Pervasive Moderate Silicification	Pervasive Weak Sericitisation
53.7 - 74.3	MxM			Mixed gniess, patches of strong "bleaching" associated with well defined FC oxidation, Strong silicfaction, +/- weak augen development. Patchy clay alteration.
		53.7 - 74.3	Replaces Felsics Strong Silicification	Patchy Moderate Clay
74.3 - 76.3	MxM			Zone, thin HU, strong clay alteration of mxm upper contact, hm lm pervasive on lower cantact% fading sharply in MXM.
		74.3 - 76.3	Patchy Strong Clay	Patchy Moderate Sericitisation
76.3 - 101.5	BtS			Predominatly Bts with cameo apperances of MXM, moderate chlorite alteration pervasive. Minimal hm & lm oxidation.
		76.3 - 101.5	Pervasive Moderate Silicification	Pervasive Moderate Chlorite Patchy Weak Sericitisation
101.5 - 104.8	MxF			Mixed gniess, highly silicified, oxidation of felsic minerals, silca vein(103.05) kspar alterations on the margin.
		101.5 - 104.8	Pervasive Strong Silicification	Pervasive Moderate Sericitisation Patchy Moderate K-feldspar
104.8 - 141.0	MxF			Mixed gniess, High % "rose" hematite pervasive throughout increasing in conc. downhole, poor augen development, FC lm oxidation.
		104.8 - 141.0	Pervasive Moderate Silicification	Patchy Moderate Sericitisation
141.0 - 154.5	MxM			Mixed Gniess, Varied clay alteration, patchy epidote and cholrite, pervasive calcite alteration.
		141.0 - 154.5	Pervasive Moderate Silicification	Patchy Strong Clay Patchy Moderate Chlorite
154.5 - 156.0	Ylim			Moderatly oxidised zone, Ylim breccia (155.5), calcite pervasive(As 72ppm), oxidation fades gradually back to fresh MXM.
		154.5 - 156.0	Pervasive Moderate Silicification	Patchy Moderate Sericitisation Patchy Moderate Calcite
156.0 - 191.0	MxM			Mixed Gniess, varied epidote alteration associated with silica veins(165.8), varied clay alteration, Strong chlorite alt (164.4) increasing disseminated Pyrite down hole.
		156.0 - 191.0	Pervasive Moderate Silicification	Patchy Strong Clay Patchy Strong Epidote
191.0 - 208.0	MxM			Mixed Gniess, strong epidote alteration- patchy, disseminated and blebed pyrite .2% strong patchy chlorite alteration.
		191.0 - 208.0	Pervasive Moderate Silicification	Patchy Strong Epidote Patchy Strong Chlorite
208.0 - 211.2	MxM			Weak zone, 1% lm pervasive, patchy 1.5% hm, sooty sulphide veinlets(209.3)
		208.0 - 211.2	Pervasive Moderate Silicification	Pervasive Moderate Sericitisation Patchy Weak Clay
211.2 - 216.1	MxM			Zone, sooty sulphides patchy 3%, blebs of pyrite, minimal oxidation.
		211.2 - 216.1	Pervasive Weak Silicification	

216.1 - 220.0	MxM	Zone, highly silicified-sericite alteration, massive quartz vein, moderate oxidation.		
		216.1 - 220.0	Pervasive Intense Silicification	Pervasive Strong Sericitisation
220.0 - 242.0	MxM	Shoulder to zone, highly varied silicification(strong-weak), biotite schist patches, blebs of pyrite, "Rose" hematite pervae through out. Patches of mild oxidation.		
		220.0 - 242.0	Patchy Strong Silicification	Patchy Moderate Sericitisation

Drill Log: CFD0489

Easting	584352.13	Hole Length	176m	Prospect	Supremo T4	Drill Started	Oct 14, 2014	Comment
Northing	6973581.42	Azimuth	270°	Target	Infill	Drill Completed	Oct 16, 2014	
Projection	UTM7-NAD83	Dip	-50°	Geologist	SVollebregt	Core Size	NQ2	
Survey method	RTK GPS	Elevation	1093.72mASL					

Lithology and Alteration

Interval	Lith	Texture	Deformation	Comments
0.0 - 6.0	OVB			6m casing
6.0 - 39.6	MxM			Mixed mafic gniess, FC .25%lm alteration, patchy clay alteration, +/- weak augen development.
		6.0 - 39.6	Pervasive Moderate Silicification	Patchy Moderate Clay Patchy Weak Sericitisation
39.6 - 48.0	MxM	silc		Mixed gniess, highly silicified patchy, patchy sericite, strongly bleached patches, disseminated Hm throughout.
		39.6 - 48.0	Pervasive Strong Silicification	Patchy Strong Sericitisation
48.0 - 50.5	MxF			Weak zone, Mixed gniess, strong silification-sercitsation, patchy Hm alteration, pervasive lm alteration.
		48.0 - 51.5	Pervasive Strong Silicification	Pervasive Strong Sericitisation
50.5 - 54.6	MxM			Mixed gniess, moderate silification, FC lm .1%, weak, FC clay alteration.
		51.5 - 54.6	Pervasive Moderate Silicification	Fracture Controlled Weak Clay
54.6 - 58.0	MxM			Shoulder to zone, Strong silicification, oxidation increase gradually downhole, pervasive hm. 5%, strong sercitisation
		54.6 - 58.0	Pervasive Strong Silicification	Patchy Strong Sericitisation
58.0 - 61.3	MxM			Zone, 1.5% hm disseminated, 1%lm disseminated FC.
		58.0 - 61.3	Pervasive Strong Silicification	Patchy Moderate Sericitisation
61.3 - 64.8	MxM			Shoulder to zone, varied strong silifacation-sercitisation, pervasive 1% lm, hm veinlets. Highly mechanically and natuarly fractured.
		61.3 - 64.8	Patchy Strong Silicification	Patchy Moderate Sericitisation
64.8 - 79.0	MxM			Mixed gniess, bts layers also present, epidote %increasing downhole from (74.30-79.00), localised K-spar alteration (74.00m), lm oxidised veining 76-79 increasing in frequency down hole.
		64.8 - 79.0	Patchy Moderate Silicification	Patchy Strong Epidote Patchy Weak Sericitisation
79.0 - 82.5	MxM			Zone, Ycarb- conduit for mineralisation(two discrete breccia zones 81.50-81.54, 81.60-81.66) white calcite veins also present, angular clasts, 2% hm& 1.5% lm pervasive.
		79.0 - 82.5	Pervasive Weak Silicification	
82.5 - 87.0	MxM			Mixed gniess,weak calcite alteration(minor calcite veining). Minor chlorite and epidote alteration patchy.
		82.5 - 87.0	Pervasive Moderate Silicification	Vein Selvedge Weak Calcite Patchy Weak Epidote
87.0 - 88.2	MxM			Zone, HU hydrothermaly altered, 2% Hm disseminated, minor carb veining.
88.2 - 89.3	MxM			Mixed gniess, weak lm oxidation, minor calcite alteration patchy,
		88.2 - 89.3	Pervasive Moderate Silicification	Patchy Weak Calcite
89.3 - 91.0	MxM			Zone, 2% Hm, hydrothermally altered, highly fractured, strong oxidisation.
		89.3 - 91.0	Patchy Weak Clay	Pervasive Moderate Sericitisation
91.0 - 100.9	BtS			Zone,1.5- 2% Hm patches , moderatly oxidised.
		91.0 - 100.9	Pervasive Moderate Silicification	Patchy Moderate Sericitisation
100.9 - 101.1	Yx	Clast		Crackle breccia, large angular highly silicified protolith clasts, lower cotact along foliation, upper= undefined.
		100.9 - 101.1	Pervasive Strong Sericitisation	

101.1 - 108.2	BtS		Zone, upto 1.5-2% Hm patches, weakly oxidised.		
		101.1 - 108.2	Pervasive Moderate Silicification	Patchy Strong Sericitisation	
108.2 - 110.0	Ylim	matx	Limonite matrix breccia, varied clast size, angular clasts, rubble contacts both upper and lower.		
		108.2 - 110.0	Patchy Moderate Sericitisation	Patchy Moderate Silicification	
110.0 - 112.7	BtS		Zone, brick red hm upto 1-2%, varied moderate-strong oxidation.		
		110.0 - 112.7	Pervasive Strong Silicification	Patchy Weak Sericitisation	
112.7 - 113.1	YO	matx	Sericitic matrix, angular clasts, varied lm- upto .5 %, highly varied clast size, well defined upper and lower contact- against host foliation.		
		112.7 - 113.1	Pervasive Strong Sericitisation	Moderate Silicification	
113.1 - 114.8	HU		Zone,Hydrothermally altered, strong-intense alteration increasing down hole, upto 2.5%hm, .25% FC lm.		
		113.1 - 114.8	Pervasive Moderate Silicification		
114.8 - 116.4	Ylim	Clast	Zone, limonite matrix breccia, conduit for mineralisation, HU upper and lower (116-116.4) contatacts, angular clasts, varied clast size, patchy sericite alteration.		
		114.8 - 116.4	Patchy Strong Sericitisation	Moderate Silicification	
116.4 - 124.0	BtS		Shoulder to zone, Biotite schist, minor mineralistion along small fractures (up to 118) minor mineralisation(123.00-123.30), hm and lm FC, epidote and chlorite alteration patchy, miner calcite veining(118m), strong clay alteration,(119.60-120.1)		
		116.4 - 124.0	Patchy Strong Chlorite	Patchy Strong Epidote	Patchy Strong Clay
124.0 - 144.0	BtS		Predominatly biotie schist, small fractions of mxm with minor augen development, Small zone of mineralisation (127.8-128), intesnse chlorite& epidote alteration (129.2-131) in association with calcite vein (130.00)hosting blebs of pyrite in alteration,		
		124.0 - 144.0	Patchy Strong Chlorite	Patchy Strong Epidote	Patchy Strong Clay
144.0 - 148.2	BtS	pblst	Biotite schist, large feldspar-slica grains, Unconsoliated fractions with moderate sericite alteartion of felsic minerals, weak clay alteration patchy.		
		144.0 - 148.2	Patchy Moderate Sericitisation	Patchy Weak Clay	Patchy Weak Silicification
148.2 - 151.2	HU		Zone, small zone, strong hydrothermal alteration (141.60-141.90) As 1700, gradually weakening back toBts protolith.		
		148.2 - 151.2	Pervasive Moderate Sericitisation	Patchy Weak Clay	
151.2 - 176.0	BtS		Biotite Schist, strong mechanical fracturing, variable epidote-chlorite alteration, weak patchy oxidation, variable ser-sil alteration.		
		151.2 - 176.0	Pervasive Strong Silicification	Pervasive Moderate Sericitisation	Patchy Weak Clay

Drill Log: CFD0490

Easting	584216.27	Hole Length	233m	Prospect	Supremo T4	Drill Started	Oct 14, 2014	Comment
Northing	6973376.14	Azimuth	270°	Target	Infill	Drill Completed	Oct 18, 2014	
Projection	UTM7-NAD83	Dip	-50°	Geologist	EBuitenhuis	Core Size	NQ2	
Survey method	RTK GPS	Elevation	1021.98mASL					

Litholoav and Alteration

Interval	Lith	Texture	Deformation	Comments
0.0 - 26.0	OVb			Redrilled chunks of FG and BtS
26.0 - 32.9	BtS	pblst	Fol-mod	Biotite schist, minor FG up to 20cm wide, pitted throughout, clay altered, chloritized. Heavily fractured.
		26.0 - 32.9	Pervasive Moderate Chlorite	Pervasive Moderate Clay
32.9 - 36.1	HU			Zone: schist turning to rubble and intense clay alteration. Strogly oxidized, 3% limonite throughout, heavily fractured.
		32.9 - 36.1	Pervasive Intense Clay	
36.1 - 38.1	BtS			Intensely chloritized and clay altered biotite schist, fol'n barely visible due to clay. Not oxidized.
		36.1 - 38.1	Pervasive Intense Clay	
38.1 - 46.5	BtS			Zone: continuation of previous, local thin (10-15cm) Ylim textures within rubble. Heavily fractured, large amounts of core loss.
		38.1 - 46.5	Pervasive Intense Clay	Pervasive Moderate Sericitisation
46.5 - 64.4	BtS	pblst	Fol-wk	Biotite schist, moderate chlorite, local strong fracturing with accompanying clay breakdown. Patches of .5% diss limonite, mostly weak fracture controlled.
		46.5 - 64.4	Pervasive Moderate Chlorite	Fracture Controlled Strong Clay
64.4 - 65.8	BtS			Thin zone, 2.5% diss limonite through schistose host. Stronglpy fractured, strong pervasive clay alteation.
		64.4 - 65.8	Pervasive Strong Clay	
65.8 - 80.5	BtS	pblst	Fol-wk	Biotite schist, fractured, very minor FG style gneiss within, Mod clay-chlorite throughout.
		65.8 - 80.5	Pervasive Moderate Chlorite	Fracture Controlled Weak Clay
80.5 - 84.5	IV	fgrn	Fol-wk	Weakly foliated fine grained mafic dyke. Fracturd at contacts, with 30cm zone at 82.7-83m, fractured, strong disseminated hematite (2.5%) and 80cm zone from 83.7 to 84.5m (lower contact, same as upper). Weakly foliated most visible at dyke margins.
		80.5 - 84.5	Fracture Controlled Moderate Clay	
84.5 - 104.7	MxF	pblst	Fol-wk	Mixed schist and gneiss, local areas of strong pitting, weak fracture controlled limonite. Occasional coarse feldspar augen.
		84.5 - 104.7	Fracture Controlled Weak Clay	
104.7 - 105.2	BtS	pblst	Fol-wk	Thin zone, 2% diss hematite through biotite schist, minor calcite through foliation. Coarse white mica throughout.
		104.7 - 105.2	Pervasive Moderate Sericitisation	Pervasive Moderate Clay
105.2 - 119.1	MxF	pblst	Fol-wk	Mixed gneiss, weak fc clay, local pitting and chloritic alt of biotite schist panels.
		105.2 - 119.1	Patchy Moderate Chlorite	Fracture Controlled Weak Clay
119.1 - 120.4	IV	fgrn	Fol-wk	Weakly foliated fine grained mafic dyke. Moderate calcite component.
		119.1 - 120.4	Pervasive Moderate Chlorite	Pervasive Moderate Calcite
120.4 - 128.8	MxF	augn	Fol-mod	Moderate zone, mostly FG/schist with coarse augen, patchy moderate clay alteration of feldspars. In and out of narrow 30cm intervals of IV mafic dyke, fine grained. Green in some patches, but mostly orange limonite. 1.5% patchy lim, 2% patchy hem.
		120.4 - 128.8	Pervasive Moderate Clay	Patchy Moderate Sericitisation
128.8 - 134.2	MsS	pblst	Fol-mod	Zone: schist/gneiss with up to 2.5% diss limonite, 2% diss hematite, strong clay on fractures and throughout host. Rubbly in areas, potential minor fgrn dyke at 133m (15cm). Lower 40cm of unit is unoxidized sulphide.
		128.8 - 134.2	Fracture Controlled Strong Clay	Patchy Strong Sericitisation
134.2 - 143.6	BtS	pblst	Fol-mod	Biotite schist/mafic gneiss. Coarse porphyroblasts of feldspars. Local thin fracture controlled patches of disseminated sooty pyrite and strong sericitization.
		134.2 - 143.6	Patchy Strong Sericitisation	Patchy Moderate Silicification

143.6 - 158.6	BtS		Fol-mod	Zone: long interval of up to 3% disseminated sooty pyrite. 1m intervals are oxidized and strongly clay altered, heavily fractured. In HU patches, small sooty pyrite veinlets cut strong to intense silica-sericite alteration.
		143.6 - 158.6	Patchy Strong Sericitisation	Patchy Strong Silicification Patchy Strong Clay
158.6 - 160.9	BtS		Fol-wk	Shoulder, strong pervasive sericitization, fracture network infilled by white calcite and chlorite veining.
		158.6 - 160.9	Pervasive Strong Sericitisation	Pervasive Moderate Chlorite
160.9 - 163.8	IV	fgrn		Fine grained mafic dyke, very common coarse white calcite veinlets xcutting whole dyke, patchy 2% diss sooty pyrite.
		160.9 - 163.8	Pervasive Strong Calcite	Fracture Controlled Moderate Clay
163.8 - 174.0	Amph	mgrn	Fol-wk	Dark, calcite rich, amphibolite. Medium grained amphibole, moderate fracture controlled clay.
		163.8 - 174.0	Fracture Controlled Moderate Clay	Pervasive Moderate Calcite
174.0 - 176.2	IV	fgrn		Fine grained mafic dyke. Common calcite veinlets throughout.
		174.0 - 176.2	Pervasive Strong Calcite	Fracture Controlled Weak Clay
176.2 - 180.5	MxF	augn	Fol-mod	Heavily fractured felsic dominant gneiss. Coarse qtz-feldspar augen, patchy beige-orange bleaching.
		176.2 - 180.5	Pervasive Moderate Sericitisation	Fracture Controlled Weak Clay
180.5 - 186.0	FG	augn	Fol-mod	Weakly mineralized felsic gneiss. Strongly silicified throughout. Heavily fractured, moderate sericite.
		180.5 - 186.0	Pervasive Strong Silicification	Pervasive Moderate Sericitisation
186.0 - 203.4	FG	augn	Fol-mod	FG, weak to moderate fracture controlled clay, coarse augen in areas, up to .5% fc limonite, patchy change from beige-orange bleached areas to washy grey sericite altered gneiss.
		186.0 - 203.4	Fracture Controlled Moderate Clay	Pervasive Moderate Sericitisation Patchy Moderate Silicification
203.4 - 224.3	MxF	augn	Fol-mod	Mixed gneiss, minor fracture controlled limonite, patchy moderate silica-sericite alteration.
		203.4 - 224.3	Patchy Moderate Silicification	Patchy Moderate Sericitisation Patchy Weak Clay
224.3 - 233.0	MxM		Fol-mod	Mafic schist and gneiss to EOH. Minor chlorite, patchy epidote. Some strong clay-chlorite along fracture/shear planes.
		224.3 - 233.0	Fracture Controlled Moderate Clay	Patchy Moderate Epidote Patchy Moderate Chlorite

Drill Log: CFD0491

Easting	584320.13	Hole Length	140m	Prospect	Supremo T3	Drill Started	Oct 14, 2014	Comment	redrill of CFD0477 (92-101m & 125-128m short)
Northing	6974628.1	Azimuth	270°	Target	Infill	Drill Completed	Oct 15, 2014		
Projection	UTM7-NAD83	Dip	-50°	Geologist	CDavis	Core Size	NQ2		
Survey method	RTK GPS	Elevation	1254.43mASL						

Lithology and Alteration

Interval	Lith	Texture	Deformation	Comments
0.0 - 3.6	OVb			
3.6 - 46.6	MxF	lamn		felsic bands with mafic seams, clay & ser alt perv mod, mod-strong perv sil, patchy strong clay alt, 1-3m alternating zones of pink hem stain & orange-yellow-brown oxide, weak-mod ox overall with strong-intense patches, 0.5 frac lim
		3.6 - 5.6	Pervasive Moderate Sericitisation	Replaces Felsics Weak Clay Pervasive Moderate Silicification
		5.6 - 6.4	Pervasive Strong Clay	Replaces Mafics Moderate Chlorite
		6.4 - 46.6	Pervasive Moderate Sericitisation	Replaces Felsics Weak Clay Pervasive Moderate Silicification
46.6 - 56.1	MxF	lamn		as above, sil + chl alt mod, weak ser + clay
		46.6 - 56.1	Pervasive Moderate Silicification	Replaces Mafics Moderate Chlorite Fracture Controlled Weak Clay
56.1 - 70.0	MxF	lamn		felsic bands with mafic seams, clay & ser alt perv mod, mod-strong perv sil, patchy strong clay alt, 1-3m alternating zones of pink hem stain & orange-yellow-brown oxide, weak-mod ox overall with strong-intense patches, 0.5 frac lim
		56.1 - 82.9	Pervasive Moderate Sericitisation	Replaces Felsics Moderate Clay Pervasive Weak Silicification
70.0 - 96.8	MxF	lamn		as above, with increased sealed fracturing offsets foliation weak-mod
		82.9 - 84.3	Pervasive Strong Silicification	Replaces Felsics Weak Sericitisation Fracture Controlled Weak Clay
		84.3 - 96.8	Pervasive Moderate Sericitisation	Replaces Felsics Moderate Clay Pervasive Weak Silicification
96.8 - 102.8	HU	bxi		var clay alt mod-intense, mod-intense oxidation, crackle brecciation with stronger clay alt in matrix/fractures
		96.8 - 102.8	Fracture Controlled Strong Clay	Patchy Moderate Silicification Pervasive Strong Sericitisation
102.8 - 119.8	MxF	lamn		felsic bands with mafic seams, clay & ser alt perv mod, mod-strong perv sil, patchy strong clay alt, weakening zones of pink hem stain, weak-mod ox overall with strong-intense patches, 0.5 frac lim
		102.8 - 119.8	Pervasive Moderate Sericitisation	Replaces Felsics Weak Clay Pervasive Moderate Silicification
119.8 - 125.0	IV	phyr		altered intermediate massive porphyritic dyke, plag phenos subangular (almost clastic looking), matrix supported, blue-black fresh matrix, patchy oxide intense to weak in centre, upper contact oblique to bounding foliation, lower contact blocky
		119.8 - 122.1	Pervasive Strong Sericitisation	Pervasive Moderate Silicification Replaces Felsics Moderate Clay
		122.1 - 125.0	Patchy Strong Sericitisation	Pervasive Moderate Silicification Replaces Felsics Weak Clay
125.0 - 140.0	MxF	lamn		felsic bands with mafic seams, clay & ser alt perv mod, mod-strong perv sil, patchy strong clay alt, weak pink hem stain, weak-mod ox overall, 0.5 frac lim
		125.0 - 140.0	Pervasive Moderate Sericitisation	Replaces Felsics Weak Clay Pervasive Moderate Silicification

Drill Log: CFD0492

Easting	584419.81	Hole Length	245m	Prospect	Supremo T4-5	Drill Started	Oct 16, 2014	Comment 5m of no recovery between 242-248, no water in creek: will redrill next season
Northing	6974578.04	Azimuth	270°	Target	Supremo Infill	Drill Completed	Oct 18, 2014	
Projection	UTM7-NAD83	Dip	-50°	Geologist	NStephen	Core Size	NQ2	
Survey method	RTK GPS	Elevation	1249.39mASL					

Lithology and Alteration

Interval	Lith	Texture	Deformation	Comments
0.0 - 4.5	OVB			
		0.0 - 8.0	Pervasive Moderate Silicification	Pervasive Moderate Clay Patchy Weak Sericitisation
4.5 - 9.1	FG	band	Weak zone. Felsic gneiss, weakly augen. Moderately fractured. Oxidation is disseminated limonite, up to 2%. Alteration is moderate to strong felsic replacing clay, weak silicification.	
		8.0 - 10.9	Patchy Strong Sericitisation	Pervasive Weak Clay Fracture Controlled Strong Clay
9.1 - 9.5	Ylim	bxi	weak zone. uncemented weakly mineralized limonite matrix sub angular clast supported gneiss clast irregular contact immature breccia.	
9.5 - 10.4	FG	band	weak zone. felsic gneiss, continuing as above brecciation/fault zone.	
10.4 - 10.6	Ylim	bxi	weak zone. Uncemented limonite matrix breccia, sub angular chaotic unsorted clast supported irregular contact gneiss immature breccia.	
10.6 - 37.4	MxF	band	Weak zone. Felsic dominated gneiss, weakly augen, with lenses of porphyroblastic biotite schist. moderate to strong fracturing. Discrete zones <1m of unconsolidated clay altered and highly fractured core. Preferential strong clay alteration in lenses of biotite-chlorite schist. Oxidation is moderate disseminated limonite. Alteration is patchy sericite, moderate felsic-replacing and fracture controlled clay, pervasive silica.	
		10.9 - 15.7	Pervasive Moderate Silicification	Pervasive Moderate Clay Patchy Weak Sericitisation
		15.7 - 17.2	Pervasive Strong Clay	
		17.2 - 34.9	Pervasive Moderate Silicification	Fracture Controlled Moderate Clay Patchy Moderate Sericitisation
		34.9 - 37.4	Pervasive Moderate Silicification	Replaces Mafics Weak Chlorite Patchy Moderate Clay
		37.4 - 51.5	Pervasive Moderate Silicification	Replaces Mafics Weak Chlorite Patchy Moderate Calcite
37.4 - 51.5	MxF	augn	felsic dominated gneiss, weakly augen. Moderate silica flooding. Alteration is weak patchy chlorite, moderate calcite, weak patchy clay. frequent lenses of biotite-chlorite-calcite schist up to 1m, slightly sheared at contacts.	
51.5 - 56.1	FC	fgrn	Dacite dike, calcite veining. Contacts are weakly sheared. Large inclusions of strongly clay altered and fractured felsic gneiss clasts.	
		51.5 - 56.1	Vein Selvedge Weak Calcite	Patchy Strong Clay
56.1 - 70.1	MxF	augn	Felsic dominated gneiss, small lenses of biotite-chlorite-calcite schist. Weakly augen. Moderate silicification. Oxidation is moderate patchy limonite. Alteration is weak calcite, clay.	
		56.1 - 64.8	Pervasive Moderate Silicification	Replaces Mafics Weak Chlorite Patchy Weak Clay
		64.8 - 67.0	Pervasive Weak Silicification	Replaces Felsics Moderate Clay
		67.0 - 69.5	Pervasive Moderate Silicification	Patchy Weak Chlorite
		69.5 - 85.0	Pervasive Moderate Clay	Pervasive Moderate Silicification Patchy Weak Sericitisation
70.1 - 75.9	MxF	augn	Zone. Augen gneiss with patchily disseminated sooty sulphides throughout. Limonite oxidation is patchy and moderate to strong. Alteration is weak felsic-replacing clays and patchy weak sericite.	
75.9 - 76.0	YO	bxi	Immature clay altered cream coloured matrix. Clasts are sub angular chaotic unsorted gneiss country rock brecciation matrix is	
76.0 - 94.4	MxF	augn	continuing as above brecciation. at 93.24m -93.29m uncemented very immature brecciation - fault gouge? Clasts are angular medium grained gneiss, matrix is limonite rock flour.	
		85.0 - 101.7	Pervasive Moderate Clay	Pervasive Strong Silicification Fracture Controlled Weak Clay
94.4 - 97.2	YO	bxi	Irregular contact brecciation, matrix is white clay, varying degrees of limonite oxidation. Clasts are medium grained sub rounded chaotic gneiss monomict	

97.2 - 145.0	MxF	band	continuing as above brecciation. Felsic dominated gneiss. Alteration is strong silicification and moderate clays. sooty sulphides are patchily disseminated throughout, with moderate to strong hematite and limonite oxidation up to 2%. moderate fracturing.		
		101.7 - 108.2	Replaces Felsics Weak Clay	Pervasive Weak Silicification	
		108.2 - 111.6	Pervasive Moderate Clay	Pervasive Strong Silicification	
		111.6 - 123.2	Pervasive Moderate Clay	Pervasive Moderate Silicification	
		123.2 - 134.5	Pervasive Strong Silicification	Pervasive Moderate Clay	Patchy Moderate Sericitisation
		134.5 - 145.0	Patchy Weak Clay	Patchy Weak Sericitisation	
145.0 - 145.2	YO	bxi	Cream coloured to orange clay matrix uncemented gneiss breccia with angular medium grained clasts.		
		145.0 - 148.6	Pervasive Strong Silicification	Pervasive Moderate Clay	Patchy Weak Sericitisation
145.2 - 169.0	MxF	band	Felsic dominated gneiss, with lenses of amphibole-biotite-chlorite schist. oxidation is weak to moderate limonite, patchy hematite. Alteration is clay and weak calcite and sericite. Alternating zones of moderate to strong pervasive clay alteration with increased fracturing and relatively fresh felsic gneiss.		
		148.6 - 155.4	Pervasive Moderate Silicification	Replaces Felsics Moderate Clay	Patchy Weak Sericitisation
		155.4 - 159.4	Pervasive Strong Clay		
		159.4 - 166.7	Pervasive Moderate Silicification	Vein Selvedge Moderate Calcite	
		166.7 - 169.5	Pervasive Moderate Clay	Patchy Weak Sericitisation	Patchy Moderate Calcite
169.0 - 169.4	IV	fgrn	Andesitic black fine grained dike. Sub-parallel to core axis. Alteration is weak pervasive clay and calcite. Contacts are sharp with limonite oxidation associated. Interstitial network of limonite throughout dike.		
169.4 - 171.4	MxF	band	Felsic gneiss as above with an 80cm lens of AmbtS. Oxidation is strong limonite at dike contacts, weak throughout. Alteration is weak calcite, weak clay.		
		169.5 - 171.6	Pervasive Moderate Silicification	Patchy Moderate Calcite	
171.4 - 172.5	IV	fgrn	Andesitic dike as above. weakly foliated at lower contact with bands of calcite.		
		171.6 - 177.2	Pervasive Moderate Clay	Patchy Moderate Calcite	Fracture Controlled Strong Clay
172.5 - 173.5	MxF	band	Felsic dominated gneiss		
173.5 - 173.8	IV	fgrn	Light grey pervasively clay altered fine grained andesite dike. Strong fracture controlled limonite oxidation. contacts are sharp.		
173.8 - 194.5	MxF	augn	felsic gneiss as above		
		177.2 - 203.0	Pervasive Moderate Silicification	Fracture Controlled Moderate Clay	Patchy Moderate Calcite
194.5 - 202.9	IV	phyr	fine grained dike with porphyritic feldspar. Alteration is patchy felsic-replacing clay, calcite veining. Oxidation is fracture controlled limonite. Contacts are sharp.		
202.9 - 242.3	MxF	augn	Felsic gneiss, weak to moderate fracturing. Alteration is patchy clay, calcite. Moderate silica flooding throughout.		
		203.0 - 239.3	Pervasive Moderate Silicification	Patchy Moderate Clay	Patchy Weak Calcite
		239.3 - 245.0	Pervasive Strong Clay		
242.3 - 244.7	IV	fgrn	Intensely clay altered fine grained dike. Primary mineral composition unknown. Strongly limonite oxidized. Contacts are fractured.		
244.7 - 245.0	MxF	band	Felsic gneiss, strongly clay altered. Oxidation is disseminated limonite up to 2%		

Drill Log: CFD0493

Easting	584419.87	Hole Length	213.5m	Prospect	Supremo T4	Drill Started	Oct 16, 2014	Comment
Northing	6973622.34	Azimuth	270°	Target	Supremo Infill	Drill Completed	Oct 19, 2014	
Projection	UTM7-NAD83	Dip	-50°	Geologist	SVollebregt	Core Size	NQ2	
Survey method	RTK GPS	Elevation	1111.13mASL					

Litholoav and Alteration

Interval	Lith	Texture	Deformation	Comments
0.0 - 6.0	OVb			6m casing
6.0 - 32.0	MxM	augn		Mixed gniess, lenses of biotite schist, moderate augen development, moderatre silicification pervasive,
		6.0 - 32.0	Pervasive Moderate Silicification	Patchy Moderate Clay
32.0 - 50.0	MxM	augn		Mixed gniess, lenses of biotite schist, strong silification-sericitastion patchy, FC .25lm and hm, patches of moderate oxidation
		32.0 - 50.0	Patchy Strong Silicification	Patchy Strong Sericitisation Patchy Weak Clay
50.0 - 60.1	MxM	silc		Weak zone, Mixed gniess, highly silicified, strong sercitisation pervasive, moderate patchy oxidation,.5% lm disseminated and .2% hm .
		50.0 - 60.1	Pervasive Strong Silicification	Patchy Strong Sericitisation Patchy Moderate Clay
60.1 - 66.6	BtS	biot		Weak zone, varied strong to weak oxidation, strong sercitisation pervasave, moderate patchy clay alteration,
		60.1 - 66.6	Pervasive Strong Sericitisation	Patchy Weak Silicification
66.6 - 68.4	HU			Zone, strong hydrothermal alteration,strong clay alteration with fragments of silica up to (1cm), up to 2.5% hm and 2% lm patchy,
		66.6 - 68.4	Patchy Strong Clay	Patchy Moderate Sericitisation
68.4 - 70.3	BtS			Zone, moderated patchy hydrothermal alteration, weak sericite alteration patchy, up to 2% hm and 1.5% lm.
		68.4 - 70.3	Patchy Moderate Clay	Patchy Moderate Sericitisation Patchy Weak Chlorite
70.3 - 83.3	BtS			Shoudler to zone, Clay and sericite dissipating downhole (to 72.20), patchy weak chlorite alteration, silica flooding (80.8),
		70.3 - 83.3	Patchy Moderate Clay	Patchy Moderate Sericitisation
83.3 - 91.0	MxF			Mixed felsic gniess with lenses of biotite schist, highly mech and naturally fractured, moderate sericite alteration, moderate silfication pervasive. FC lm .5%
		83.3 - 91.0	Patchy Moderate Sericitisation	Patchy Moderate Clay Weak
91.0 - 91.4	Ylim			limonite matrix breccia, MxF clasts, unconsolidated, weak sericite alteration
		91.0 - 91.4	Patchy Weak Sericitisation	Patchy Moderate Clay
91.4 - 92.3	MxF			Mixed Gniess, unconsolidated zone (91.52-91.56) 200ppm As, upto .75%lm
		91.4 - 92.3	Patchy Weak Silicification	Patchy Weak Sericitisation
92.3 - 92.4	PyF			Discrete Pyritic fault, 1400 ppm As XRF, limonite matrix.
		92.3 - 92.4	Pervasive Weak Sericitisation	
92.4 - 121.0	FG			Felsic gniess, patches of intense sercistaion, FC .1%lm and diseminated .1%Hm, patchy clay alteration, small oxide zone113.3
		92.4 - 121.0	Patchy Intense Sericitisation	Pervasive Weak Silicification Patchy Weak Clay
121.0 - 122.0	BtS			Discrete zone, strong hydrothermal alteration(121.50) As 4000, strong chlorite & epidote alteration.
		121.0 - 122.0	Patchy Strong Chlorite	Patchy Moderate Epidote Pervasive Weak Clay
122.0 - 148.3	BtS			Biotite schist, patchy epidote chlorite alteration(134.9-135) weak anomlous As, weak clay alteration patchy.
		122.0 - 148.3	Patchy Moderate Chlorite	Patchy Moderate Epidote Patchy Weak Silicification
148.3 - 152.4	MxF			Zone, Patchy oxidation zone seperated by strong clay alteration, up to 1.5%lm .25%hm.
		148.3 - 152.4	Pervasive Moderate Clay	Patchy Weak Sericitisation Weak Calcite
152.4 - 157.0	BtS			Weak zone, predominantly strong clay alteration, discrete mineralisation zone(156_10cm) up to 2% hm & 1.5%lm.
		152.4 - 157.0	Patchy Strong Clay	Patchy Weak Silicification Patchy Weak Sericitisation

157.0 - 157.8	BtS	Zone, both margins are highly clay altered, up to 2% hm &1.5% lm.		
		157.0 - 157.8	Patchy Strong Clay	Pervasive Weak Sericitisation
157.8 - 162.2	BtS	Between zones, strong clay alteration pervasive, minimal oxidation.		
		157.8 - 162.2	Patchy Strong Clay	Patchy Weak Sericitisation
162.2 - 165.4	HU	Zone, strong hydrothermal alteration, unoxidised sooty sulphides -patchy,		
		162.2 - 165.4	Patchy Strong Clay	Patchy Weak Sericitisation
165.4 - 170.4	AmBtS	Amphibolite-biotite schist, pale green, patches of strong epidote and chlorite alteration, lenses of magnetite and blebs of pyrite,low %of sooty sulphides fading down hole to (165.80) possible.		
		165.4 - 170.4	Patchy Strong Clay	Patchy Strong Chlorite Patchy Strong Epidote
170.4 - 192.3	MxF	Mixed gneiss, patches of strong silification and sericitisation, bts lenses, "rose" red hematite patchy,blebs of pyrite associated with moderate calcite and sericite alteration(188.60).		
		170.4 - 192.3	Patchy Strong Silicification	Patchy Moderate Sericitisation Patchy Moderate Calcite
192.3 - 196.2	DIOR	Diorite dike, pyrite blebs, disseminated epidote, fine to medium grained feldspars.		
		192.3 - 196.2	Pervasive Weak Epidote	
196.2 - 213.5	MxF	Mixed gneiss, lense of amphibolite schist and biotite schist, strong silification, patch of moderate sercitiastion and weak oxidation.		
		196.2 - 213.5	Patchy Moderate Sericitisation	Pervasive Moderate Silicification

Drill Log: CFD0494

Easting	584216.1	Hole Length	50m	Prospect	Supremo T4	Drill Started	Oct 18, 2014	Comment Redrill of CFD0490 - top 50m. Poor recovery at 35-38 and 41-44m.
Northing	6973374.33	Azimuth	270°	Target	Supremo Infill	Drill Completed	Oct 18, 2014	
Projection	UTM7-NAD83	Dip	-50°	Geologist	EBuitenhuis	Core Size	NQ2	
Survey method	RTK GPS	Elevation	1021.82mASL					

Lithology and Alteration

Interval	Lith	Texture	Deformation	Comments
0.0 - 4.0	OVB			
		0.0 - 16.3	Patchy Moderate Clay	Patchy Moderate Chlorite
4.0 - 16.3	MxF		Fol-mod	Mixed pink shard gneiss with weak fracture controlled limonite. Biotite schist is rotten, clay altered, chloritized.
16.3 - 18.0	FG		Fol-mod	Heavily fractured pink gneiss, bleached, .75% limonite with moderate clay alteration on fractures.
		16.3 - 18.0	Fracture Controlled Moderate Clay	
18.0 - 32.4	BtS	pblst	Fol-mod	Schist, minor gneiss, moderate to strong chlorite rotting away at BtS, moderate pervasive clay. Trace lim on fractures.
		18.0 - 32.4	Pervasive Moderate Clay	Patchy Strong Chlorite
32.4 - 35.0	HU			Zone, strong pervasive clay alteration, intense oxidation after strong disseminated pyrite (none preserved). V. weak foliated texture visible, probably BtS protolith. 3.5% disseminated limonite.
		32.4 - 35.0	Pervasive Strong Clay	Pervasive Strong Sericitisation
35.0 - 39.2	BtS		Fol-wk	Strong pervasive clay alteration, chlorite of schist. Local fractures with strong oxidation (1.5% limonite). Protolith to previous zone, spared sulphidation. Minor purple hematite in patches (.5%), non min.
		35.0 - 39.2	Pervasive Strong Clay	Pervasive Strong Chlorite
39.2 - 43.6	HU			Zone, continued. V. strong disseminated oxides (3.5% limonite, 1% hematite), strong clay. Heavily fractured, mostly unconsolidated rubble and weak clay dominant material.
		39.2 - 43.6	Pervasive Strong Clay	Pervasive Strong Sericitisation
43.6 - 50.0	BtS	pblst	Fol-mod	Biotite schist, strong chlorite in patches, with moderate pervasive clay alteration slightly obscuring foliation at beginning of unit (2m) before grading out to weak fracture controlled. .25% limonite on fractures.
		43.6 - 50.0	Patchy Moderate Clay	Patchy Strong Chlorite

Drill Log: CFD0495

Easting	584269.75	Hole Length	293m	Prospect	Supremo T4	Drill Started	Oct 18, 2014	Comment
Northing	6973370.64	Azimuth	270°	Target	Supremo Infill	Drill Completed	Oct 22, 2014	
Projection	UTM7-NAD83	Dip	-50°	Geologist	CDavis	Core Size	NQ2	
Survey method	RTK GPS	Elevation	1027.25mASL					

Litholoav and Alteration

Interval	Lith	Texture	Deformation	Comments
0.0 - 5.8	OVb			
5.8 - 60.3	MxM	lamn		biotite schist intervals dominant over pink felsic gneiss zones, strong chl alt in mafics, flesics well sil, no oxide
		5.8 - 60.3	Replaces Mafics Strong Chlorite	Replaces Felsics Moderate Silicification
60.3 - 64.3	Ylim	bxm		brecciated biotite schist, mod sil clasts, limonitic fracture-fill, upper contact strong clay alt & weak oxide, intense oxide predominates, gradual contacts, orange with dark brown
		60.3 - 64.3	Pervasive Strong Clay	Pervasive Moderate Sericitisation Patchy Weak Silicification
64.3 - 103.0	MxM	lamn		biotite schist dominant over pink felsic gneiss zones, weak-mod chl after mafics, mod sil perv mafics & felsics, slightly stronger frac lim than top of hole
		64.3 - 75.2	Replaces Mafics Strong Chlorite	Pervasive Moderate Silicification Fracture Controlled Weak Clay
		75.2 - 103.5	Pervasive Moderate Silicification	Replaces Mafics Weak Chlorite Fracture Controlled Weak Clay
103.0 - 106.0	MxM	lamn		as above, strong clay alteration minor muscovite
		103.5 - 106.0	Pervasive Moderate Clay	Pervasive Weak Sericitisation
106.0 - 109.5	MxF	band		Felsic schist with mafic seams (dark grey & pink) well silicified, patchy ser alt + oxide (orange)
		106.0 - 109.5	Pervasive Moderate Silicification	Patchy Moderate Sericitisation Fracture Controlled Weak Clay
109.5 - 111.0	MxF	band		blockier and more oxide than above
		109.5 - 111.0	Patchy Strong Sericitisation	Fracture Controlled Moderate Clay Pervasive Weak Silicification
111.0 - 116.0	MxF	band		Felsic schist with mafic seams (dark grey & pink) well silicified, patchy ser alt + oxide (orange)
		111.0 - 116.0	Pervasive Moderate Silicification	Patchy Moderate Sericitisation Fracture Controlled Weak Clay
116.0 - 128.7	MxF	band		Felsic schist with mafic seams (dark grey & pink) well silicified, patchy ser alt + oxide (orange), weaker sil, weak perv clay alt, more oxide
		116.0 - 128.7	Pervasive Weak Silicification	Pervasive Weak Clay Patchy Moderate Sericitisation weak musco vite diss
128.7 - 133.3	MxM	bxi		heavily oxidized biotite schist +/- felsic bands, possibly bx with limonitic frac fill
		128.7 - 133.3	Pervasive Strong Sericitisation	Patchy Moderate Clay Pervasive Weak Silicification mod muscovite diss
133.3 - 135.3	MxF	band		mod-well sil dark grey felsic schist with mafic seams, weak patchy ser
		133.3 - 135.3	Pervasive Moderate Silicification	Patchy Weak Sericitisation
135.3 - 143.0	MxF	band		mod-well sil felsic schist with mafic seams, mod-strong interstitial/banded ser + oxide, weak-mod frac patchy clay
		135.3 - 143.0	Pervasive Moderate Silicification	Patchy Moderate Sericitisation Fracture Controlled Weak Clay
143.0 - 150.4	MxF	band		mod sil felsic schist with mafic seams increasing biotite content, mod-strong patchy ser + oxide, weak-mod frac patchy clay stronger towards bottom contact, 144.1-144.35m IV fine massive dyklet oval
		143.0 - 150.4	Pervasive Moderate Silicification	Patchy Weak Sericitisation Patchy Weak Clay
150.4 - 151.4	IV	mass		fine massive dark grey dyke with sharp contacts, weak-mod perv clay (friable)
		150.4 - 151.4	Pervasive Weak Clay	

151.4 - 153.6	MxF	band	mod-strong closed fractures, mod perv oxide, weak calcite stringers		
151.4 - 153.6			Pervasive Moderate Sericitisation	Fracture Controlled Moderate Clay	Pervasive Moderate Silicification
153.6 - 154.8	IV	mass	fine massive dark grey, contact zones heavily fractured, frac face oxide near contacts, weak calcite stringers		
153.6 - 154.8			Pervasive Weak Clay	Fracture Controlled Moderate Clay	
154.8 - 159.4	AmBtS	lamn	fol mod sil bt +/- amph +/- plag schist, weak-mod patchy ser, weak chl patchy, weak patchy oxide, 0.25 frac lim, weak calcite stringers		
154.8 - 159.4			Pervasive Moderate Silicification	Replaces Mafics Moderate Chlorite	Patchy Moderate Sericitisation
159.4 - 164.1	MxF	band	mod-strong closed fractures, weak perv clay, mod-strong patchy ser, mod perv oxide, weak calcite stringers		
159.4 - 164.1			Pervasive Moderate Sericitisation	Fracture Controlled Weak Clay	Pervasive Moderate Silicification
164.1 - 166.0	YO	bxi	intense oxide alteration, possibly brecciated MxF, weak calcite stringers		
164.1 - 166.0			Pervasive Strong Sericitisation	Pervasive Moderate Clay	Fracture Controlled Weak Calcite
166.0 - 169.2	MxF	band	strong oxide with 15-20cm patches of possible sooty pyrite (blue-grey, weak clay alteration, weak calcite stringers)		
166.0 - 169.2			Patchy Strong Sericitisation	Pervasive Weak Clay	Fracture Controlled Moderate Clay
169.2 - 171.7	MxF	bxi	mod-strong closed fractures, weak perv clay, mod-strong patchy ser, mod perv oxide, weak calcite stringers		
169.2 - 171.7			Pervasive Moderate Sericitisation	Pervasive Moderate Silicification	Pervasive Weak Clay
171.7 - 174.0	YO	bxi	intense oxide alteration, possibly brecciated MxF, weak calcite stringers		
174.0 - 179.4	MxF	bxi	mod-strong closed fractures, weak perv clay, mod-strong patchy ser, mod perv oxide, rare strong frac hem+clay weak calcite stringers		
174.0 - 179.4			Patchy Strong Sericitisation	Pervasive Moderate Silicification	Fracture Controlled Weak Clay
179.4 - 182.4	MxM	lamn	dark grey med lam with patches of orange oxide + ser, weak perv clay, common calcite stringers, minor IV dark grey fine massive dykelets		
179.4 - 182.4			Pervasive Weak Silicification	Patchy Weak Sericitisation	Fracture Controlled Weak Clay
182.4 - 186.7	IV	mass	fine massive dark grey dyke with sharp contacts, weak foliation subparallel bounding schistosity		
182.4 - 187.7			Pervasive Weak Silicification	Replaces Mafics Weak Chlorite	Fracture Controlled Weak Calcite
186.7 - 187.7	MxM	lamn	dark grey med lam with minor felsics, weak calcite stringers, frac oxide		
187.7 - 191.0	MxM	bxi	top blocky & strong oxide weakening with depth, weak perv clay to mod frac clay, patchy strong ser, minor calcite stringers		
187.7 - 189.0			Pervasive Strong Sericitisation	Pervasive Moderate Clay	Fracture Controlled Weak Calcite
189.0 - 191.0			Patchy Moderate Sericitisation	Pervasive Moderate Silicification	
191.0 - 197.1	IV	mass	fine massive dark grey dyke with sharp contacts, weak-mod patchy clay, 195.0-195.5m strongly oxide & blocky, strong hem, minor calcite stringers		
191.0 - 195.0			Pervasive Weak Silicification		
195.0 - 195.5			Pervasive Strong Sericitisation	Fracture Controlled Strong Clay	Fracture Controlled Moderate Calcite
195.5 - 197.1			Pervasive Weak Chlorite	Patchy Weak Sericitisation	Fracture Controlled Weak Clay
197.1 - 202.9	IV	mass	fine +/- med grain, weakly foliated at top, large zones of intense oxidation, bottom possibly sooty py (blue grey dusting) with clay alt		
198.1 - 202.3			Pervasive Strong Sericitisation	Pervasive Moderate Clay	
202.3 - 203.9			Pervasive Moderate Clay	Pervasive Weak Silicification	
202.9 - 210.6	OG	mass	med-coarse equigran mass +/- weak foliation, dark grey		
203.9 - 210.6			Pervasive Moderate Silicification		
210.6 - 216.3	FG	lamn	pale grey with black lams, slight waxy look wet, fine mass dark grey stringers = IV?		
210.6 - 213.7			Strong Silicification		
213.7 - 215.1			Pervasive Moderate Silicification	Patchy Weak Sericitisation	
215.1 - 216.3			Pervasive Moderate Silicification		
216.3 - 217.8	IV	mass	med grey-green fine mass, mod perv clay		
216.3 - 225.2			Fracture Controlled Strong Clay	Patchy Moderate Silicification	Replaces Mafics Moderate Chlorite

217.8 - 224.4	OG	mass	med equigran mass dark grey, finer than prev, gradual upper contact coarsening, gradual lower contact with increasing foliation				
224.4 - 232.4	MxM	lamn	foliated interbands of biotite schist, biotite amph schist & felsic gnieys, var chl alt, var sil mod-strong, patchy ser alt, patchy weak-mod ox				
		225.2 - 230.0	Pervasive Moderate Silicification	Fracture Controlled Weak Clay	Replaces Mafics Weak Chlorite		
		230.0 - 249.9	Pervasive Moderate Silicification	Patchy Moderate Sericitisation	Fracture Controlled Weak Clay		
232.4 - 249.9	MxM	lamn	as above, patchy oxide + ser				
249.9 - 256.0	MxF	band	well sil = felsic gneiss dominant?, clayey limonite fractures				
		249.9 - 256.0	Pervasive Strong Sericitisation	Pervasive Strong Silicification	Fracture Controlled Weak Clay		
256.0 - 262.5	MxM	lamn	biotite schist with metabasalt? (core subparallel wavy foliation/lams = metabasalt), 260.75-261.5m dark apple green bands = epidote? Increased diss fine py				
		256.0 - 262.5	Patchy Moderate Silicification	Replaces Mafics Moderate Chlorite	Fracture Controlled Weak Calcite	260.75-261.5m dark apple green bands = epidote? Increased di fine py	
262.5 - 263.4	MxM	lamn	strong clay altered zone				
		262.5 - 263.4	Pervasive Strong Clay	Pervasive Moderate Sericitisation			
263.4 - 265.7	MxM	lamn	mixed altered bt schist & felsic bands, mod patchy ser, weak frac clay				
		263.4 - 265.7	Patchy Moderate Sericitisation	Patchy Moderate Chlorite	Fracture Controlled Weak Clay		
265.7 - 269.4	MxM	lamn	as above stronger clay alt				
		265.7 - 269.4	Fracture Controlled Strong Clay	Patchy Weak Sericitisation			
269.4 - 293.0	MxM	lamn	biotite schist with decreasing patchy ser, increasing sil + chl, with zones of stronger clay alteration, weakening fracture lim with depth				
		269.4 - 273.0	Pervasive Moderate Silicification	Replaces Mafics Moderate Chlorite	Patchy Weak Sericitisation		
		273.0 - 274.4	Pervasive Strong Silicification	Replaces Mafics Moderate Chlorite	Fracture Controlled Moderate Clay	quartz veins	
		274.4 - 280.0	Pervasive Moderate Silicification	Replaces Mafics Moderate Chlorite			
		280.0 - 281.0	Pervasive Moderate Silicification	Replaces Mafics Moderate Chlorite	Pervasive Weak Clay		
		281.0 - 293.0	Pervasive Moderate Silicification	Replaces Mafics Moderate Chlorite	Patchy Weak Clay		

Drill Log: CFD0496

Easting	584380.63	Hole Length	146m	Prospect	Supremo T4	Drill Started	Oct 19, 2014	Comment
Northing	6973680.23	Azimuth	270°	Target	Supremo Infill	Drill Completed	Oct 21, 2014	
Projection	UTM7-NAD83	Dip	-50°	Geologist	HWalsh	Core Size	NQ2	
Survey method	RTK GPS	Elevation	1123.21mASL					

Litholoav and Alteration

Interval	Lith	Texture	Deformation	Comments
0.0 - 4.0	OVb			gneiss rubble
		0.0 - 12.3	Pervasive Moderate Silicification	Patchy Weak Sericitisation
4.0 - 13.6	MxF	augn		Felsic dominated gneiss, weakly augen. Moderate silicification throughout, weak patchy sericite. Oxidation is weak limonite, hematite staining.
		12.3 - 14.5	Pervasive Moderate Silicification	Patchy Weak Sericitisation Fracture Controlled Moderate Clay
13.6 - 16.2	FLT	mud		Orange-brown unconsolidated rubbly fault zone.
		14.5 - 15.5	Pervasive Intense Clay	
		15.5 - 24.9	Pervasive Moderate Silicification	Patchy Weak Sericitisation Fracture Controlled Moderate Clay
16.2 - 32.5	MxF	augn		Felsic gneiss, weakly augen. Strong fracturing concentrated from 26.5-31m. Oxidation is weak to patchily moderate hematite and limonite throughout. Alteration is weak and fracture controlled clay and patchy silica. Opaque quartz vein at lower contact.
		24.9 - 28.7	Replaces Felsics Weak Clay	Patchy Weak Sericitisation
		28.7 - 32.5	Pervasive Moderate Silicification	Patchy Weak Sericitisation Fracture Controlled Moderate Clay
32.5 - 33.0	YO	bxi		Dark brown muddy uncemented matrix with subangular medium grained quartz and gneiss clast supported chaotic sharp contact breccia. Nonmineralized.
		32.5 - 33.0	Pervasive Intense Clay	
		33.0 - 39.3	Pervasive Moderate Silicification	Pervasive Weak Clay Patchy Weak Sericitisation
33.0 - 41.6	MxF	augn		Felsic dominated gneiss, moderately fractured. Increasing oxidation downhole, moderate to strong limonite and brick-red hematite. Alteration is weak clay throughout and silicification also increasing downhole.
		39.3 - 47.3	Pervasive Strong Silicification	Pervasive Weak Clay
41.6 - 41.9	Ylim	bxi		orange limonite oxidized matrix and gneiss clasts, uncemented clast supported chaotic angular medium grained breccia
41.9 - 50.2	MxF	band		Felsic dominated gneiss with areas of fault/immature limonite brecciation. Gneiss is moderately silicified, weak sericite. Oxidation is moderate limonite. Brecciation is uncemented ~2cm
		47.3 - 50.2	Pervasive Moderate Clay	
		50.2 - 57.9	Pervasive Intense Clay	
50.2 - 58.1	FLT			Zone. Primary rock type possibly mixed felsic gneiss as above with lenses of BtS. strongly fractured. Alteration is intense clay, some areas completely unconsolidated. Oxidation is strong limonite and hematite up to 4%.
		57.9 - 61.4	Pervasive Moderate Clay	Patchy Weak Sericitisation Pervasive Moderate Silicification
58.1 - 72.5	MxF	band		Felsic dominated weakly augen gneiss with moderate to locally strong limonite and hematite oxidation. Alteration is weak sericite and moderate to strong silicification
		61.4 - 73.5	Replaces Felsics Weak Clay	Patchy Weak Sericitisation Pervasive Strong Silicification
72.5 - 73.0	YO	bx		Cream coloured rock flour matrix locally silica cemented sub-angular irregular contact medium grained polymict breccia
73.0 - 77.9	MxF	band		Tan coloured felsic dominated gneiss. Alteration is weak to moderate felsic-replacing clays, moderate patchy sericite. Weak silica flooding. Oxidation is moderate disseminated limonite.
		73.5 - 82.1	Replaces Felsics Weak Clay	Pervasive Moderate Silicification Patchy Moderate Sericitisation

77.9 - 80.7	BtS	lamn	Grey biotite schist, weakly foliated, moderately porphyroblastic. Alteration is weak clay, calcite. Oxidation is very minor limonite.		
80.7 - 85.1	MxF	band	Mixed felsic gneiss, weakly augen. Alteration is weak felsic-replacing clay and moderate to strong seritization. Oxidation increases substantially downhole from weak to strong disseminate limonite. With a cream coloured matrix angular gneiss country rock clast supported chaotic irregular contact breccia from 83.17-83.27m and 84.57-84.63m.		
		82.1 - 84.2	Replaces Felsics Moderate Clay	Pervasive Moderate Silicification	Patchy Strong Sericitisation
		84.2 - 86.8	Pervasive Strong Clay	Pervasive Weak Silicification	Patchy Moderate Sericitisation
85.1 - 86.9	MxF	band	Fol-str	Tan to orange transition zone between mixed felsic gneiss and mylonitic metabasalt. Oxidation is moderate to strong disseminated limonite.	
		86.8 - 88.3	Pervasive Moderate Clay	Patchy Weak Epidote	Patchy Weak Calcite
86.9 - 92.5	MBSLT	mylo	Fol-str	Green highly deformed mylonitic metabasalt. Alteration is weak clay, calcite and epidote throughout. Oxidation is patchily disseminated limonite.	
		88.3 - 89.0	Pervasive Moderate Silicification	Pervasive Moderate Chlorite	
		89.0 - 96.4	Pervasive Moderate Clay	Pervasive Weak Silicification	Patchy Strong Sericitisation
92.5 - 95.0	MBSLT	mylo	Fol-str	Orange highly deformed mylonitic metabasalt. Alteration is weak clay, calcite and epidote throughout. Oxidation is patchily disseminated limonite.	
95.0 - 96.4	BtS	lamn	Orange mod-strong ser + clay alt perv, strong oxide		
96.4 - 97.9	BtS	lamn	Dark green-black laminated biotite schist, well silicified		
		96.4 - 99.5	Pervasive Moderate Silicification	Patchy Weak Sericitisation	Patchy Weak Clay
97.9 - 99.5	BtS	lamn	Tan-Orange patchy mod-strong ser alt biotite schist		
99.5 - 100.6	BtS	lamn	Orange mod-strong ser + clay alt perv, strong oxide		
		99.5 - 100.6	Pervasive Weak Clay	Pervasive Moderate Silicification	Pervasive Moderate Sericitisation
100.6 - 122.7	MxF	lamn	Biotite schist finely laminated with minor felsic coarser bands, patches of mod ser 50-100cm +/- clay alt & weak-mod oxide		
		100.6 - 122.7	Pervasive Moderate Silicification	Patchy Moderate Sericitisation	Fracture Controlled Weak Clay
122.7 - 146.0	MxF	lamn	Increasing silicification of biotite schist with coarser dark grey-pink granitoid felsic bands		
		122.7 - 146.0	Pervasive Moderate Silicification	Replaces Mafics Moderate Chlorite	

Drill Log: CFD0497

Easting	584439.31	Hole Length	212m	Prospect	Supremo T4	Drill Started	Oct 21, 2014	Comment
Northing	6973682.5	Azimuth	270°	Target	Supremo Infill	Drill Completed	Oct 22, 2014	
Projection	UTM7-NAD83	Dip	-50°	Geologist	SVollebregt	Core Size	NQ2	
Survey method	RTK GPS	Elevation	1130.21mASL					

Lithology and Alteration

Interval	Lith	Texture	Deformation	Comments
0.0 - 6.0	OVb			6m of casing.
6.0 - 27.5	MxM			Mixed gneiss, weak augen formation, patches of strong brittle deformation, moderately silicified throughout, moderate oxidation patchy, FC with strong oxidation fronts (19m).
		6.0 - 27.5	Pervasive Moderate Silicification	Patchy Weak Sericitisation
27.5 - 32.2	MxM			Zone, oxidation intensifying from moderate oxidation to strong by (29.20m), minor sooty sulphide veinlets, up to 1.5% Hm & up to 1.5% Im, oxidation fading sharply after (32m).
		27.5 - 32.2	Patchy Moderate Sericitisation	Patchy Weak Silicification
32.2 - 37.5	BtS			Biotite schist, strong silification patchy with k-spar alteration occurring intermittently,
		32.2 - 37.5	Patchy Strong Silicification	Patchy Weak Clay
37.5 - 66.9	BtS			Biotit Schist, mixed gneiss lenses, weak clay alteration patchy, patchy disseminated pyrite.
		37.5 - 66.9	Pervasive Moderate Silicification	Patchy Weak Sericitisation Patchy Weak Epidote
66.9 - 72.4	MxM			Weak Zone: Pale orange schist and gneiss. Weak to mod silica overprint, weak sericite and chlorite. Weak pervasive to fc oxidation. Minor disseminated pyrite.
		66.9 - 72.4	Pervasive Moderate Sericitisation	Patchy Weak Sericitisation Patchy Weak Chlorite
72.4 - 76.6	MxM			Weak Zone: Pale bleached schist and gneiss. Moderate sericite, weak silica overprint, weak patchy chlorite. Weak to moderate pervasive oxidation, minor disseminated pyrite.
		72.4 - 76.6	Pervasive Moderate Sericitisation	Pervasive Weak Silicification Patchy Weak Chlorite
76.6 - 90.4	MxF			Weak Zone: Patchy brick to yellow augen gneiss and minor biotite schist. Weak to mod silica, weak sericite, trace chlorite. Moderate patchy hem, weak fc limonite.
		76.6 - 90.4	Pervasive Moderate Silicification	Patchy Weak Sericitisation Patchy Weak Chlorite
90.4 - 108.3	MxM			Zone: Brick red to sickly yellow schist and minor gneiss. Patchy weak to strong clay, patchy weak silicavflooding and stringers, moderate sericite. Strong pervasive oxidation, patchy limonite and hematite give mottled appearance.
		90.4 - 108.3	Patchy Moderate Clay	Patchy Weak Silicification Patchy Moderate Sericitisation
108.3 - 132.9	BtS			Green well-foliated biotite schist. Moderate pervasive chlorite, weak patchy epidote as clots and after phenos, weak patchy clay, rare qtz veins. Weak fc oxidation, minor disseminated to foliation parallel py clots.
		108.3 - 132.9	Pervasive Moderate Chlorite	Replaces Mafics Weak Epidote Patchy Weak Clay
132.9 - 159.0	BtS			Zone: Pale orange and cream biotite schist. Moderate pervasive sericite, weak patchy silicification and stringers, Weak patchy clay. Weak to moderate pervasive oxidation. Trace disseminated pyrite. Trace sooty sulfide patches.
		132.9 - 159.0	Pervasive Moderate Sericitisation	Patchy Weak Silicification Patchy Weak Clay
159.0 - 166.5	BtS			Green well foliated biotite schist. Moderate chlorite, Weak patchy sericite, weak epidote stringers. Weak to moderate fc oxidation, minor patchy disseminated pyrite.
		159.0 - 166.5	Pervasive Moderate Chlorite	Patchy Weak Sericitisation Replaces Mafics Weak Epidote
166.5 - 194.0	FG			Grey well foliated augen gneiss with very minor biotite schist. Weak silicification, weak patchy chlorite in schist and gneiss, Weak kspar in augen, weak patchy sericite. Very weak fc oxidation, trace disseminated pyrite. Patchy hem dusting in gneiss.
		166.5 - 194.0	Pervasive Weak Silicification	Replaces Mafics Weak Chlorite Patchy Weak Sericitisation
194.0 - 201.1	FG			Orange to cream well foliated gneiss? Partially obscured. Weak pervasive clay and sericite, weak silicification and qtz veining. Weak pervasive oxidation.
		194.0 - 201.1	Pervasive Weak Clay	Pervasive Weak Sericitisation Vein Selvege Weak Silicification

201.1 - 212.0	FG	Grey pink augen gneiss with minor biotite schist. Weak silicification, weak kspar after felds, moderate chlorite in schist, weak sericite. Very weak fc oxidation, minor disseminated pyrite.		
201.1 - 212.0	Pervasive Weak Silicification	Replaces Mafics Weak Chlorite	Patchy Weak Sericitisation	

Drill Log: CFD0498

Easting	584326.93	Hole Length	287 m	Prospect	Supremo T4	Drill Started	Oct 22, 2014	Comment
Northing	6973369.59	Azimuth	270°	Target	Infill	Drill Completed	Oct 25, 2014	
Projection	UTM7-NAD83	Dip	-50°	Geologist	MEckfeldt	Core Size	NQ2	
Survey method	RTK GPS	Elevation	1030.75mASL					

Litholoav and Alteration

Interval	Lith	Texture	Deformation	Comments
0.0 - 5.6	OVB			
5.6 - 27.0	BtS	band	Fol-mod	Green well foliated biotite schist. Moderate pervasive chlorite, weak patchy clay, Rare kspar or silicification as veins and halos. Weak fc to locally pervasive oxidation likely due to shallow depth.
		5.6 - 27.0	Pervasive	Moderate Chlorite Patchy Weak Clay Vein Selvege Weak Silicification
27.0 - 66.6	BtS	band	Fol-mod	Green well foliated biotite schist. Moderate pervasive chlorite, visible biotite. Rare weak patchy sericite, clay, rare local silicifictation as veins. Weak fc oxidation. Single high As carb-lim vein at 32.8 m.
		27.0 - 66.6	Pervasive	Moderate Chlorite Patchy Weak Sericitisation Patchy Weak Clay
66.6 - 71.9	MxM	augn	Fol-mod	Weak Zone: Orange augen rich well foliated biotite schist. Moderate pervasive chlorite, Moderate sericite, weak patchy clay, weak local silicification around rare qtz veins. Weak to strong pervasive oxidation.
		66.6 - 71.9	Pervasive	Moderate Chlorite Patchy Moderate Sericitisation Patchy Moderate Clay
71.9 - 92.5	MxM	augn	Fol-mod	Green augen rich well foliated biotite schist. Moderate pervasive chlorite, weak patchy sericite, very weak patchy clay in fractures, rare qtz veins. Weak fc oxidation, trace disseminated pyrite.
		71.9 - 92.5	Pervasive	Moderate Chlorite Patchy Weak Sericitisation Patchy Weak Clay
92.5 - 96.4	MxM	augn	Fol-mod	Weak Zone: Orange augen rich well foliated biotite schist. Moderate pervasive sericite, weak pervasive clay, weak patchy chlorite, weak local qtz veining. Moderate pervasive oxidation.
		92.5 - 96.4	Pervasive	Moderate Sericitisation Patchy Weak Clay Patchy Weak Chlorite
96.4 - 122.0	MxM	augn	Fol-mod	Green augen rich well foliated biotite schist. Moderate pervasive chlorite, moderate sericite throughout, weak patchy clay around fractures, rare local qtz veining. Weak fc oxidation.
		96.4 - 122.0	Pervasive	Moderate Chlorite Patchy Moderate Sericitisation Patchy Weak Clay
122.0 - 131.8	MxM	augn	Fol-mod	Grey augen rich well foliated gneiss or schist? Texture as above but far less mafic minerals. Could be silica overprint masking. Weak to moderate silica flood? Moderate pervasive sericite. Weak patchy chlorite. Local qtz and maybe kspar veining. Weak fc oxidation , trace disseminated pyrite.
		122.0 - 131.8	Pervasive	Moderate Silicification Patchy Moderate Sericitisation Patchy Weak Chlorite
131.8 - 140.6	MxF	mass	Fol-wk	Weak Zone: Light pink weakly foliated aplite or felsic gneiss. Strong pervasive silica, eak foliation parallel chlorite. Moderate clay in oxide zone 138 to 139.5 m. Weak to moderate fc to pervasive oxidation. Trace diss pyrite. Hem dustin giving colour?
		131.8 - 141.6	Pervasive	Strong Silicification Fracture Controlled Weak Chlorite Patchy Weak Clay
140.6 - 142.9	BtS	mass	Fol-wk	Green massive to weakly foliated basalt or very fine grained schist. Aphanitic groundmass, local 1-2 mm biotite books. Moderate pervasive chlorite, weak patchy clay. Weak fc oxidation.
		141.6 - 142.9	Pervasive	Moderate Chlorite Patchy Weak Clay
142.9 - 153.7	BtS	band	Fol-mod	Green grey well foliated biotite schist. Weak to moderate chlorite with local weak silicification. Moderate patchy sericite. Weak fc oxidation.
		142.9 - 153.7	Patchy	Moderate Chlorite Patchy Moderate Sericitisation Patchy Weak Silicification
153.7 - 155.1	BtS	band	Fol-mod	Green-orange well foliated biotite schist. Moderate pervasive clay alteration, moderate chlorite, moderate patchy sericite. Weak to moderate fc oxidation.
		153.7 - 155.1	Pervasive	Moderate Clay Patchy Moderate Chlorite Patchy Moderate Sericitisation
155.1 - 159.1	BtS	band	Fol-mod	Green well foliated biotite schist as above clay zone. Moderate pervasive sericite, weak to moderate pervasive chlorite, weak patchy clay. Weak fc oxidation.
		155.1 - 159.1	Pervasive	Weak Chlorite Patchy Moderate Sericitisation Patchy Weak Clay

159.1 - 161.1	BtS	band	Fol-mod	Pale grey to cream well foliated biotite schist. Strong pervasive clay alteration, weak patchy chlorite and sericite. Moderate fc oxidation.
159.1 - 161.1			Pervasive Strong Clay	Patchy Weak Chlorite Patchy Weak Sericitisation
161.1 - 167.2	BtS	band	Fol-mod	Green well foliated biotite schist. Moderate pervasive chlorite, weak pervasive clay/sericite. Weak fc oxidation.
161.1 - 167.2			Pervasive Moderate Chlorite	Patchy Weak Clay Patchy Weak Sericitisation
167.2 - 190.0	MxF	augn	Fol-wk	Pink to grey weakly foliated augen poor gneiss? Could be strong silicification of schist. Moderate silicification unless primary, moderate patchy sericite, local 10-30 cm weak to moderate clay zones, weak patchy foliation parallel chlorite. Weak fc oxidation, weak pervasive hematite dusting.
167.2 - 190.0			Patchy Moderate Sericitisation	Patchy Weak Clay Patchy Weak Chlorite
190.0 - 200.7	MxF	band	Fol-mod	Weak Zone: Pale cream to orange moderately foliated gneiss or schist, obscured by alteration. Moderate pervasive clay, weak pervasive sericite, weak patchy qtz veining. Weak pervasive oxidation.
190.0 - 200.7			Pervasive Moderate Clay	Pervasive Weak Sericitisation Vein Seldedge Weak Silicification
200.7 - 208.2	BtS	band	Fol-wk	Zone: Bright orange weakly foliated to sheared biotite schist with minor ultramafic. Moderate to strong pervasive clay alteration, weak pervasive sericite, weak patchy silicification, trace fuschite in umafic. Strong pervasive oxidation, trace sooty sulfides.
200.7 - 208.2			Pervasive Moderate Clay	Pervasive Weak Sericitisation Vein Seldedge Weak Silicification
208.2 - 221.9	MxM	band	Fol-mod	Dark green grey biotite schist with minor felsic gneiss. Weak pervaive chlorite, mostly fresh bt, weak patchy sericite and silica. Weak fc oxidation, trace diss pyrite mostly in gneiss.
208.2 - 221.9			Pervasive Weak Chlorite	Patchy Weak Sericitisation Patchy Weak Silicification
221.9 - 222.9	MxM	band	Fol-mod	Transition Zone: Grey and orange biotite schist and minor gneiss. Weak to moderate patchy silica and sericite, weak patchy chlorite. Moderate fc to locally pervasive oxidation, minor sooty sulfides in silica/sericite alt.
221.9 - 222.9			Patchy Moderate Sericitisation	Patchy Weak Silicification Patchy Weak Chlorite
222.9 - 230.0	BtS	band	Fol-mod	Green well foliated biotite schist. Moderate pervasive chlorite, moderate carb alt around carb veining, weak patchy epidote. Weak fc oxidation, moderate disseminated pyrite.
222.9 - 230.0			Pervasive Moderate Chlorite	Vein Seldedge Moderate Calcite Patchy Weak Epidote
230.0 - 232.3	BtS	band	Fol-mod	Transition Zone: Mottled orange and grey well foliated biotite schist. Moderate patchy clay, weak patchy silica/sericite. Strong patchy pervasive oxidation, patchy sooty sulfides.
230.0 - 232.3			Patchy Moderate Clay	Patchy Weak Silicification Patchy Weak Sericitisation
232.3 - 238.1	BtS	band	Fol-mod	Green grey well foliated biotite schist. Weak pervasive chlorite, weak clay after mafics and in fractures, weak patchy sericite, weak pervasive carb. Weak fc oxidation, trace diss pyrite.
232.3 - 238.1			Patchy Weak Chlorite	Replaces Mafics Weak Clay Patchy Weak Sericitisation
238.1 - 250.8	BtS	band	Fol-mod	Sulfide Zone: Grey well foliated biotite schist? Moderate patchy to pervasive silica/sericite, weak clay in fractures, weak patchy chlorite where not silicified. Weak fc oxidation locally with scorodite. Moderate patchy sooty sulfides.
238.1 - 250.8			Patchy Moderate Silicification	Patchy Moderate Sericitisation Patchy Weak Clay
250.8 - 264.4	BtS	band	Fol-mod	Dark grey green well foliated biotite schist. Weak patchy chlorite after dominant biotite, weak patchy silica and sericite. Very weak fc oxidation, weak hem dusting throughout, minor diss pyrite.
250.8 - 264.4			Patchy Weak Chlorite	Patchy Weak Silicification Patchy Weak Sericitisation
264.4 - 271.1	MxF	band	Fol-wk	Transition Zone: Grey felsic gneiss with lesser biotite schist. Moderate silica and sericite likely primary, moderate chlorite in schist. Patchy weak pervasive oxidation, weak hematite dusting throughout, minor diss pyrite, trace sooty sulfides.
264.4 - 271.1			Patchy Moderate Silicification	Patchy Moderate Sericitisation Patchy Moderate Chlorite
271.1 - 287.0	MxF	band	Fol-wk	Grey felsic gneiss with lesser biotite schist. Primary silica, moderate chlorite in schist. Weak fc oxidation, weak hematite dusting throughout, minor diss pyrite.
271.1 - 287.0			Patchy Moderate Sericitisation	Patchy Moderate Sericitisation

Drill Log: CFD0499

Easting	584454.46	Hole Length	215m	Prospect	Supremo T4	Drill Started	Oct 23, 2014	Comment
Northing	6973721.15	Azimuth	270°	Target	Infill	Drill Completed	Oct 24, 2014	
Projection	UTM7-NAD83	Dip	-50°	Geologist	CDavis	Core Size	NQ2	
Survey method	RTK GPS	Elevation	1142.42mASL					

Litholoav and Alteration

Interval	Lith	Texture	Deformation	Comments
0.0 - 5.6	OVb			
5.6 - 30.3	MxM	lamn		biotite schist +/- felsic gneiss mod-strong sil with patchy ser & oxide
		5.6 - 30.3	Pervasive Strong Silicification	Patchy Moderate Sericitisation Replaces Mafics Weak Chlorite
30.3 - 31.3	MxM	lamn		strongly oxidized & clay/ser altered schist, minor bx
		30.3 - 31.3	Pervasive Strong Clay	Pervasive Strong Sericitisation
31.3 - 34.0	MxM	lamn		biotite schist +/- felsic gneiss mod-strong sil with patchy ser & oxide
		31.3 - 34.0	Pervasive Strong Silicification	Patchy Moderate Sericitisation Replaces Mafics Weak Chlorite
34.0 - 62.4	MxM	lamn		biotite schist +/- felsics, green, sil + chl alt
		34.0 - 62.4	Pervasive Moderate Silicification	Replaces Mafics Moderate Chlorite
62.4 - 72.0	MxF	lamn		felsic dominant over bt schist, strongly perv sil with mod oxide + ser mod-strong-sil with perv oxide & ser
		62.4 - 72.0	Pervasive Strong Silicification	Pervasive Moderate Sericitisation
72.0 - 90.0	MxF	lamn		felsic dominant over bt schist, strongly perv sil
		72.0 - 90.0	Pervasive Strong Silicification	Replaces Mafics Weak Chlorite
90.0 - 95.1	MxM	lamn		strongly oxidized & clay/ser altered schist with hem replacing lams
		90.0 - 95.1	Pervasive Strong Sericitisation	Pervasive Moderate Clay Fracture Controlled Strong Clay
95.1 - 96.4	MxM	lamn		biotite schist +/- felsics, green, sil + chl alt
		95.1 - 96.4	Pervasive Moderate Silicification	Replaces Mafics Moderate Chlorite Patchy Weak Sericitisation
96.4 - 99.4	MxM	lamn		strongly oxidized & clay/ser altered schist with hem replacing lams
		96.4 - 99.4	Pervasive Strong Sericitisation	Pervasive Moderate Clay Fracture Controlled Strong Clay
99.4 - 112.1	BtS	lamn		biotite schist, green, sil + chl alt
		99.4 - 112.1	Pervasive Strong Silicification	Replaces Mafics Moderate Chlorite
112.1 - 118.5	BtS	lamn		biotite schist, mod sil with patchy ser & oxide, mod frac clay
				biotite schist, mod-strong sil with patchy ser & oxide, mod frac clay
		112.1 - 118.5	Pervasive Strong Sericitisation	Replaces Felsics Weak Clay Pervasive Moderate Silicification
118.5 - 120.5	BtS	lamn		biotite schist +/- felsics, green, sil + chl alt
		118.5 - 120.5	Pervasive Moderate Silicification	Replaces Mafics Strong Chlorite Patchy Weak Sericitisation
120.5 - 121.1	BtS	lamn		strongly oxidized & clay/ser altered schist, minor bx
		120.5 - 121.1	Pervasive Strong Sericitisation	Pervasive Strong Clay

121.1 - 123.7	BtS	lamn	biotite schist +/- felsics, green, sil + chl alt		
121.1 - 123.7			Pervasive Moderate Silicification	Replaces Mafics Moderate Chlorite	
123.7 - 124.4	BtS	lamn	strongly oxidized & clay/ser altered schist, minor bx		
123.7 - 124.4			Pervasive Strong Sericitisation	Pervasive Strong Clay	
124.4 - 128.0	BtS	lamn	biotite schist +/- felsics, green, sil + chl alt		
124.4 - 128.0			Pervasive Moderate Silicification	Replaces Mafics Moderate Chlorite	
128.0 - 129.7	HU	bxi	strongly oxidized & clay/ser altered schist, weak-mod bx		
128.0 - 129.7			Pervasive Strong Sericitisation	Pervasive Strong Clay	
129.7 - 136.8	BtS	lamn	biotite schist +/- felsics, green, sil + chl alt		
129.7 - 132.1			Pervasive Weak Silicification	Patchy Moderate Sericitisation	Fracture Controlled Strong Clay
132.1 - 136.8			Pervasive Moderate Silicification	Replaces Mafics Moderate Chlorite	
136.8 - 138.4	BtS	lamn	biotite schist +/- felsic gneiss mod-strong sil with patchy ser & oxide		
136.8 - 138.4			Pervasive Moderate Sericitisation	Pervasive Weak Clay	Pervasive Moderate Silicification
138.4 - 141.3	BtS	lamn	biotite schist +/- felsics, green, sil + chl alt		
138.4 - 141.3			Pervasive Moderate Silicification	Replaces Mafics Moderate Chlorite	
141.3 - 146.5	MxM	lamn	strongly oxidized & clay/ser altered schist, minor bx		
141.3 - 146.5			Pervasive Strong Sericitisation	Patchy Moderate Clay	Patchy Moderate Silicification
146.5 - 153.6	MxM	lamn	biotite schist +/- felsic gneiss mod-strong sil with patchy ser & oxide		
146.5 - 153.6			Pervasive Moderate Silicification	Replaces Mafics Weak Chlorite	
153.6 - 156.5	MxM	lamn	strongly oxidized & clay/ser altered schist, minor bx		
153.6 - 156.5			Patchy Strong Sericitisation	Patchy Strong Clay	Replaces Mafics Weak Chlorite
156.5 - 160.7	MxM	lamn	biotite schist +/- felsics, green, sil + chl alt		
156.5 - 160.7			Pervasive Moderate Silicification	Replaces Mafics Weak Chlorite	Patchy Weak Sericitisation
160.7 - 166.7	MxM	lamn	strongly oxidized & clay/ser altered schist, minor bx		
160.7 - 166.7			Pervasive Strong Sericitisation	Pervasive Moderate Clay	Patchy Weak Silicification
166.7 - 215.0	MxM	lamn	biotite schist +/- felsics, green, sil + chl alt		
166.7 - 171.0			Pervasive Strong Silicification	Replaces Mafics Weak Chlorite	Patchy Weak Sericitisation
171.0 - 215.0			Pervasive Strong Silicification	Replaces Mafics Moderate Chlorite	