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				Registrar
Received Answered				21 JAN 1983
DEPT. OF MINES				E & IL
REF. No. 512/83				

PROJECT NAME: COMSTAFF PROPRIETARY LIMITED

TITLE: QUARTERLY REPORT TO THE DEPARTMENT OF MINES

TASMANIA, FOR THE PERIOD

1ST OCTOBER TO 31ST DECEMBER 1982

EXPLORATION LICENCE 5/63

AREA NAME/S, STATE 1:250,000 SHEET NO/S & COORDINATES:

COMMODITY/IES: Sn, Cu, Pb, Zn, Ag, Au

TEXT PAGES NO: 5

PLAN NOS: TAS 2/1897, 1799, 1801, 1802

TABLE NOS: -

APPENDICES: -

AUTHOR/S: G F Pigott

DATE: 7 January 1983

AUSTRALIAN ANGLO AMERICAN LIMITED

Incorporated in the State of Victoria

COMSTAFF PROPRIETARY LIMITEDQUARTERLY REPORT TO THE DEPARTMENT OF MINES, TASMANIAFOR THE PERIOD 1ST OCTOBER TO 31ST DECEMBER 1982EXPLORATION LICENCE 5/631. SECTION 1 ARTHUR RIVER (Plan TAS 2 - 1897)

Grid lines are currently being established over a section of Deep Gully Creek north east of Mount Bischoff. The grid has been laid out to cover the tin heavy concentrate anomaly in Deep Gully Creek and two of the aeromagnetic anomalies selected for ground investigation. Lines are spaced 120 metres apart and are orientated on a NW-SE direction across the contact between the Proterozoic Bischoff Series and the Cambrian Crimson Creek Formation. The potential target is a body of mineralisation either as cassiterite-sulphide replacement in dolomitic sediments or as cassiterite in porphyry dykes.

2. SECTION 2 RAMSAY (Plan TAS 2 - 1799)2.1 CAA Regional

Grid lines are being established over four of the aeromagnetic anomalies selected for ground investigation. Each grid consists of three lines, spaced 100 metres apart. The four anomalies are as follows:-

- 1) Line 30, fid 2392 falls adjacent to the Ramsay Group - Crimson Creek boundary.
- 2) Line 80, fid 2543 occurs within the Crimson Creek Formation sediments.
- 3) Line 211, fid 1117 occurs within hornfelsed Crimson Creek Formation sediments adjacent to the Granite contact
- 4) Line 250, fid 2802 also occurs within the Crimson Creek Formation adjacent to the Meredith Granite.

Anomalous tin geochemistry (max 240 ppm) in sediment samples previously collected along the Ramsay Group-Crimson Creek Formation boundary is being followed up. Wide spaced grid lines are currently being established to facilitate determination of the source of the response.

2.2 CSB Grid South Bischoff

Close spaced gridding, auger sampling, ground magnetic surveys and geological mapping were carried out over the South Bischoff greissen vein complex. A tin anomaly, 300m x 60m of >80 ppm Sn with a maximum value of 2.7% Sn, has been outlined, centred over the old mine workings. Similar responses are repeated along strike to the north west. Sections are now being produced to integrate the surface and underground sampling. A ground magnetic contour plan of the total magnetic field has been drafted. It clearly shows the magnetic Crimson Creek Formation sediments and the contact between the Meredith Granite and Cambrian rocks.

2.3 CAL Grid

A Sirotem downhole EM Survey in DDH CAL 1 was only partially completed before the plastic casing was broken, blocking the hole. Attempts are being made to re-open the hole in order to complete the survey.

2.4 CAF Grid

A Sirotem downhole EM Survey was completed in DDH CAF 6. There appear to be two anomalous zones downhole reading to channel 17 indicating a large conductor in the vicinity. A detailed assessment of the data is now underway.

3. SECTION 3 MOUNT BLOCK

No work was carried out in this sector of the tenement during the quarter.

4. SECTION 4 CHESTER-PINNACLES (Plan TAS 2 - 1801)

4.1 East Chester Extension Grid ECE

An open ended NE-SW trending soil anomaly in Pb, Zn, Cu and Mn has been defined within a window through the extensive glacial overburden which covers much of the grid. The linear anomalous zone occurs on the geological contact between deeply weathered andesite and overlying sediments. Further C horizon sampling has been carried out to close off the anomalous zone, but results are awaited.

4.2 Northwestern sector of EAB Grid - Bermuda Triangle

Close spaced grid lines have been established over a coincident Cu - Pb - Zn, A₀ horizon soil anomaly. These lines have been auger sampled (C horizon) and geologically mapped. Results of the geochemical sampling are awaited. The geology consists of an altered acid crystal tuff sequence composed of sericite schist with minor intercalated sediment. Mapping and sampling in this area are continuing.

4.3 Follow up of I P Anomalies - EAB Grid

Intermediate grid lines at 100m spacing have been established over specific sectors of the EAB grid where IP anomalies have been previously recorded. C horizon soil samples have been collected over the anomalies and geological mapping carried out. The source of the anomalies is not yet clear. The geology consists of weathered andesitic lavas and pyroclastics with interbedded shale, tuffaceous siltstone and micaceous sandstone.

5. SECTION 5 HUSKISSON

A progress report on this sector of the tenement was compiled for submission to the Department of Mines along with the application for renewal of the licence. No field work was carried out in the area.

6. SECTION 6 EAST RENISON (Plan TAS 2 - 1802)

6.1 GAP 'GAR South Extension Area

Diamond drill hole RBE 44 was drilled to 515.4m. The objective of the hole was to assess the grade and width potential of the southerly strike extension of the Fenton structure for Sn and Ag-Pb-Zn. The hole intersected a number of calcareous siltstone and sandstone units containing weakly disseminated and fracture controlled pyrrhotite and pyrite. Towards the base, the hole intersected a zone of magnetic tuffaceous sandstone and siltstone units apparently containing detrital magnetite and ilmenite. The best values in the ground core results are:-

Interval	Pb	Zn	Ag	Sn
257.70-263.90	3750 ppm	1.32%	17 ppm	N/A

6.2 GAP/GAT Area

Diamond drill hole RBE 45 was drilled to 334.0m. It intersected a magnetic unit similar in lithologies to RBE 44, although not being on strike, indicating several magnetic units or supply of magnetite, or a complex faulting or folding system bringing to the surface the same unit in several places. Beneath the magnetic unit a calcareous unit was intersected containing disseminated and vein/fracture fill pyrrhotite/pyrite in small proportions (<2%).

RBE 45 returned no significant ground core results.

6.3 Western GAP Area - Deep Drilling

Diamond drill hole RBE D1 was completed at 1098.60M. Typical hornfelsed Crimson Creek sediments were intersected from 688.0m (depth at 30th September) to 912.15m with skarn development from 854.20 to 864.35m. The hole intersected relatively unaltered porphyritic biotite granite at 912.15m which includes narrow (< 5 cm) quartz tourmaline veins with minor pyrrhotite.

Analytical results, from ground and split core so far received, are disappointing. The skarn is anomalous in Sn and W and there is enhancement of Mo and Ag at the sediment-granite contact (up to 2.4 ppm Mo and 9 ppm Ag). The tourmaline-pyrrhotite veins within the granite contain up to 0.1% Sn but most results are less than 100 ppm Sn.

A mise a la masse survey was carried out using an electrode stationed at 420m down the hole. The objective being to determine the extent of the semi massive replacement pyrrhotite zone. The electrode was then relocated in the skarn zone at 820m for a further survey to be carried out. This work is currently in progress.

6.4 Exe River Deep Drilling

Diamond drill hole RBE D2 was completed at 938.5m. This hole was designed to test below the Exe Pty Mine and to test the massive sulphide replacement potential of calcareous units to the west.

Several zones of hydrothermal alteration, fracturing and veining were intersected. The intersection of greatest interest was traversed between 540 metres and 600 metres - where zones of metasomatic alteration and sporadic semi-massive pyrrhotite occurs within the biotite hornfelsed sediments. The hole entered granite from 714.5 to 826.6 metres and again at 852.0 metres.

6.5 Pieman River Tin Zone

Diamond drill hole RBE 46 has advanced to 516.30m. The objective of this hole is to intersect the Pieman Tin Zone below the intersection in RBE 33 of 1.56% Sn over a true width of 2.67m. The target zone has not yet been reached. The hole has so far intersected altered mixed sediments, black shales and calc pelites. Drilling is continuing.



G F PIGOTT
Senior Geologist

Approved by



for R J KERNICK
Exploration Manager

I, OSVALDO TIBURCIO FILOMENO FONSECA of 56 Partridge Crescent, Frankston in the State of Victoria, Accountant DO SOLEMNLY AND SINCERELY DECLARE as follows:

1. That in the three months ending 31 December 1982 we have expended \$640 170 on work on Exploration Licence 5/63 and that this is further broken down into:

	\$
(a) Operational staff costs	111 127
(b) General operational expenses	27 208
(c) Transport and travel	16 920
(d) Assays	54 540
(e) Tenement costs	8 750
(f) Contractors	22 113
(g) Specialist services	14 468
(h) Drilling and treatment	335 468
(i) Capital expenditure	620
(j) Administration costs	48 956
	<hr/>
	\$640 170
	<hr/>

AND I MAKE this solemn declaration conscientiously believing the same to be true and by virtue of the provisions of an Act of the Parliament of Victoria rendering persons making a false declaration punishable for wilful and corrupt perjury.

DECLARED AT

Melbourne

in the State of Victoria

this *14th* day of

January,

1983

O. Fonseca

Before me:

[Signature]

A Commissioner for taking Declarations and Affidavits under the Evidence Act 1958.



LEGEND

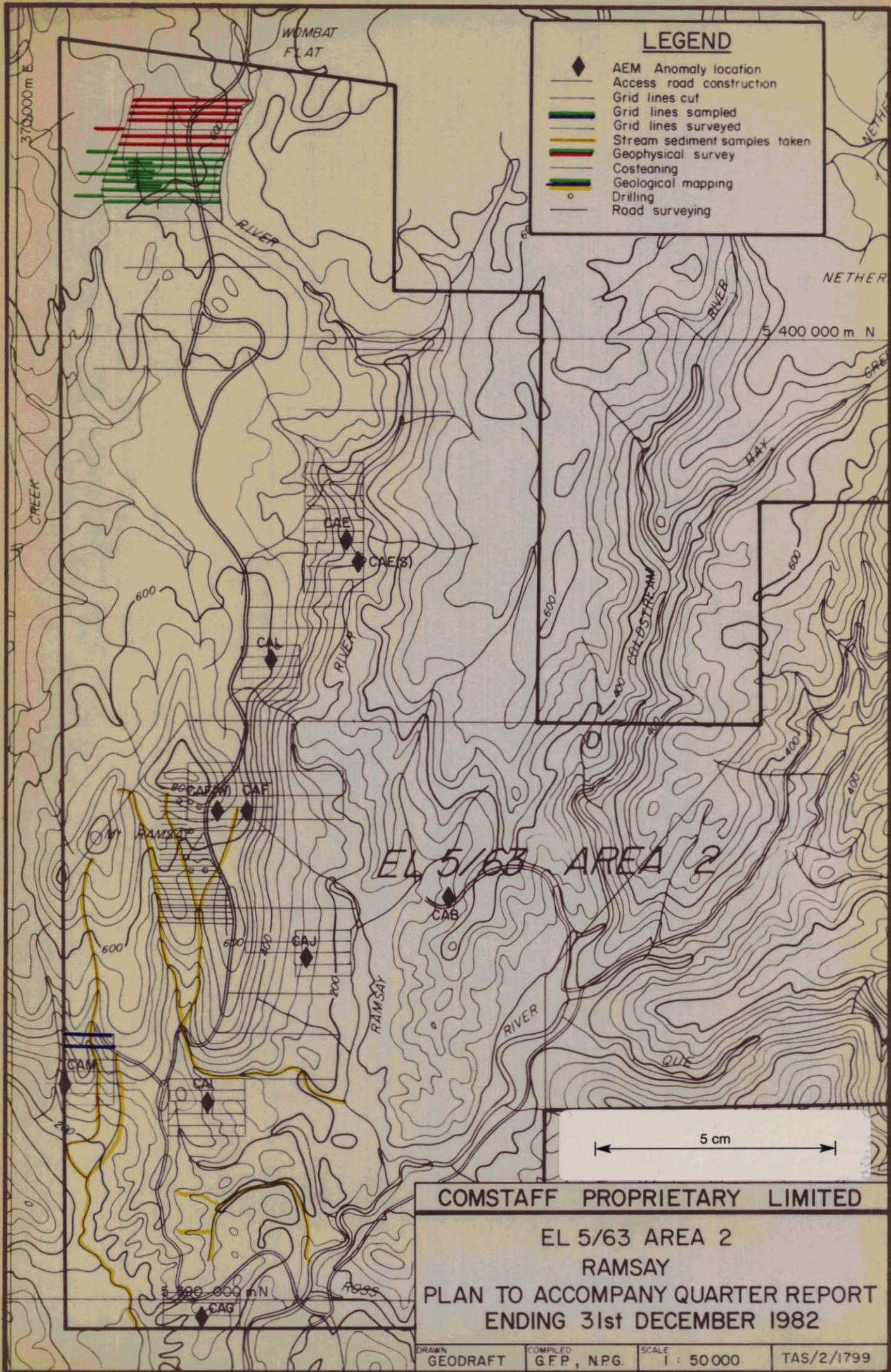
- Access road construction
- Grid lines cut
- Grid lines surveyed
- Grid lines sampled
- Stream surveying & sample collection
- Geophysical survey
- Costeasing
- Geological mapping
- Drilling
- Assessment of alluvial Sn potential

COMSTAFF PROPRIETARY LIMITED

EL 5/63 AREA I
 MAGNET/ARTHUR RIVER
 PLAN TO ACCOMPANY QUARTER REPORT
 ENDING 31st DECEMBER 1982

DRAWN: GEODRAFT COMPILED: G.F.P. SCALE: 1:50000 TAS/2/1897

62009



20th Nov

620011



AUSTRALIAN ANGLO AMERICAN LIMITED DRILLHOLE LOG

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Summary Sheet

PROJECT	AREA EAB Grid E-L.5/63	DRILLHOLE TYPE Diamond
CO-ORDS 378867 mE 5384505 mN	DECLIN -50°	AZIMUTH 148° MN RL ~1080m
DATE COMMENCED 2.9.81	DATE COMPLETED 25.9.81	DRILLED BY Longyear
		DRILL RIG Longyear 38
Non Coring to: 6.0 m HQ Core to: - NQ Core to: 48.0 m SQ Core to: 295.5m EOH 295.5m		

SURVEY DATA			Instrument: downhole camera.				
DEPTH	DECLINATION		AZIMUTH	DEPTH	DECLINATION		AZIMUTH
	Uncorr	Corr			Uncorr	Corr	
35.5m		-48°	152° MN	205.5m		-42.75°	148° MN
85.5m		-48°	151.5° MN	235.5m		-41.75°	147° MN
115.5m		-47.25°	151.5° MN	265.5m		-40.25°	148° MN
145.5m		-46.5°	150° MN	295.5m		-38.15°	150° MN
175.5m		-44°	147.5° MN				

LOG SUMMARY			
ROCK TYPE	MINERALIZATION		
	Style	Grade	Intersection width (Corr)
0-6.0m: triconed			
6.0-61.6m: porphyritic lavas, a sequence of quartz-feldspar py rhyodacites + rhyolites & minor tuff; lava units			
61.6-65.95m: Rhyitic dacite crystal lithic + lapilli tuff.			
65.95-83.9m: xal-ltc ash-lap rh tuff.			
83.9-93.6m: xal-coarse ash rh + rhda tuffs.			
93.6-100.85m: ltc ash-lap da tu & carbonaceous shale	Galena in qtz at 98.75m.		
interbeds.			
100.85-102.6m: carb sh & ash + lap epiclasts.			
102.6-108.6m: ltc ash-lap da tu grading uphole into more acid rhda tu.			
108.6-111.9m: carb sh & epiclasts of pyroclastic debris.			
111.9-115.0m: Py, ltc ash-lap da tu grading uphole into more acid rhda tu.	Qtz in fracture at 113.9m.		
115.0-121.8m: xal-ltc lap rh tu grading downhole to tu-l.			
121.8-124.8m: Py, ltc ash-lap da tu & subordinate carb sh material.			
124.8-170.15m: carb Py sh.			
170.15-176.55m: carb Py sh alternating & tuffaceous siltstone.			
176.55-182.0m: tuf arkasic sandstone grading to ss & interlayered carb sh + silty sh units.			
182.0-183.9m: brecciated sh.			
183.9-202.7m: tuf ak ss & minor interlayered thin carb sh unit.			
202.7-213.9m: tuf ak ss & thin da tu units.			
213.9-219.3m: quartz-carbonate vein breccia zone.			

Signature *[Handwritten Signature]* Date 26.10.81

DRILL ADVANCE				LITHOLOGY						
DEPTH	DRILL ADVANCE INTERVAL	CORE RECOVERY	PERCENT RECOVERY	INTERVAL	DESCRIPTION	ALTERATION	GRAPHIC LOG	STRUCTURE	MINERALISATION	
	triconed									
6.0	0.6	0.56	93.4%	6.0	<p>Quartz-feldspar porphyritic rhyolite & dacite lava. Strongly py with moderate to dense concentrations of plagioclase phenocrysts & varying amounts of qz phc in cream microgranular feldspathic matrix. cr sections are rhyolitic & qz:fel :: 2:1. green-brown sections are rhyodacitic to dacitic & qz:fel :: 1:3. qz phc are 3-4mm in diameter. plag phc are 1-3 mm along c axes. Densely quartzose sections have a qz-eye texture.</p> <p>11.4: predominantly rhyodacitic, brecciation along original banding common. porphyroidal + pyroclastic txt. qz:fel :: 1:2</p>	<p>strongly weathered. cr sections partially silicified, groundmass in rh sections are sil. The gm in da sections is chloritic.</p> <p>qz devitrification of gm emphasises flow banded structures.</p>	<p>6.8 band at 60° crudely layered & flow banding + auto brecciation along pseudo-bd.</p> <p>7.4 brec at 60°</p> <p>moderately fractured.</p> <p>8.4 brec along layering at 55°</p> <p>qz flow banding at 50° - devitrification of original vitric gm.</p> <p>10.2 at 60°, 20 cm dia layer in heavily microfract. rhy sequence.</p> <p>10.7 frac at 8° & preferential weathering.</p> <p>11.4, 30° - - - - - pcl brecciation & qz-eye phc throughout.</p>	<p>limonite developed along fractures.</p>		
6.6	0.9	0.6	66.7%							
7.5	0.8	0.83	103.75%							
8.3	0.9	0.99	110%							
9.2	0.8	0.89	111.25%							
10.0	2.3	2.46	106.95%							
12.3	0.4	0.33	132.5%	12.7	<p>feldspar-porphyrific dacitic tuff-lava.</p> <p>Densely clastic due to conc of plag phc & fels angular crystal clasts. qz:fel :: 1:4 scattered qz phc in lava sections, rare in pcl sections. gr to gr-br in colour.</p>	<p>chloritic alteration of gm gives pale greenish colour.</p>	<p>12.7 primary fol at 45°</p> <p>13.1 brec blocks of py va in brecst (Fe?) material.</p> <p>14.0 flow banding or layering at 35° both lava flow + pcl txt.</p> <p>14.95 strong frac at 15°</p>	<p>12.7 dk br Fe material along frac, in conc patches & occasionally as mtn to pcl blocks.</p>		
12.7	0.4	0.32	130%							
13.1	0.4	0.24	60%							
13.5	1.2	1.2	100%							
14.7	0.7	0.81	115.7%							

SCALE 1:100 (1cm = 1 m)

5 cm

COMSTAFF PROPRIETARY LIMITED

DRILLHOLE LOG FOR DDH EAB1

LOGGED BY G.F.P. FROM 0 TO 15 m

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LITHOLOGY

DRILL ADVANCE

LOST CORE	DRILL ADVANCE				LITHOLOGY				VISUAL PERCENTAGE MINERALISATION				
	DEPTH	DRILL ADVANCE INTERVAL	CORE RECOVERY	PERCENT RECOVERY	INTERVAL	DESCRIPTION	ALTERATION	GRAPHIC LOG		STRUCTURE	MINERALISATION		
	15.4	0.2	0.2	100%	15.1	Quartz-feldspar porphyritic rhyolite - cream to pale green siliceous volcanic, characterised by an abundance of qz phenocrysts. Plagioclase phc are sericitised & partially obscured by alteration. qz:fels varies 1:1 to 1:2. Groundmass has brcc txt & is f.g felsic material.	silicification after brecciation - does not affect qz phc.	moderately fractured & fine hairline intersecting frac.	Limonite staining on frac.				
	15.6	0.9	0.82	91%	16								
	16.5	1.9	2.23	117.4%	17								
					17.6	Qz-feldspar py rhyodacitic tuff-lava. qz:fel:: 1:4; pyroclastic brcc txt.	pale gr chloritic alt ⁿ in gm.	17.4 5° frac					
	18.4	2.3	1.13	49%	18.15	Qz-feldspar py rh lava. qz:fels:: 1:1, cream & prominent qz-eye phc.	sil.	18.1 2° frac wthd out hairline frac.					
					18.85	Lithic crystal rhda ash-lapilli tuff (or pass. a tu lava brccia). top of qz-fel py rh in chl da gm, densely packed in parts polymodal. Xals are of qz + plag - pseudo-py txt.	-qz deeply weathered, friable & limonite staining.	18.85	pcl "brcc" structure - primary				
	20.7	2.4	2.47	102.9%	20.75					fzldspar qz py rh. qz:fel:: 2:1 phc set in granular qz-fels gm. cr colour.	sil - partly wthd.	20.75	brcc structure cut by hairline frac.
					21.3					Qz-feldspar py rhda. strongly flow banded. qz:fels:: 1:2.	gr colour in gm - chlorite. pale orange-brown mineral in hairline cooling frac	21.3 60° contact	
					22.3	Qz-feldspar py rh tu lava or lava brccia & pcl txt. cr, white, pale gr interfingered sections & lithic fragments of cr qz py material enveloped in pale gr more da material.	wh sections have 2° silicification. pale gr gm may be due to chlorite/sericite alteration.	22.2 60° frac + brcc.	moderate secondary late frac cut core infilled & lim cut hairline frac.				
	23.1	1.1	1.22	110.9%	23								
	24.2	0.8	0.85	106.25%	24			24.2 5° frac					
	25.0	0.4	0.34	85%	25.0	Qz-feldspar py rhda lava. Strongly py & lesser sections showing pcl brcc features. Predominantly gr but & cr rh brcc inclusions. qz:fel:: 2:3. gm is finely granular feldspathic plus ? minor chlorite.	slight chloritic alt ⁿ in pale gr gm. Clay alt ⁿ in brcc zones.	24.35 25° frac	massive to pseudo-brcc.				
	25.4	0.4	0.49	122.5%									
	25.8	1.1	1.08	98.2%									
	26.9	0.5	0.56	112%									
	27.4	1.7	1.9	111.8%									
					28.65	Qz-feldspar py rh lava. Strongly py pale gr to cr with coarse phenocrysts 2-3mm diameter. qz:fel:: 1:1 "qz-eye" txt prominent.	pale cr silicification along early ? cooling fracs.	28.3 10° brcc + frac.	28.8 Remnant Pyrite xal in lim frac indicating that 2° Fe minerals in frac are after Py.				
	29.1	0.4	0.43	107.5%				28.68	mas & mod hairline intersecting frac cut by later frac.				
	29.5	2.0	2.4	105%	30								

SCALE 1:100 (1cm = 1m)

5 cm

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DRILLHOLE LOG FOR DDH EAB 1

LOGGED BY G.F.P.

FROM 15 TO 30m

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DRILL ADVANCE

LITHOLOGY

LOST CORE	DRILL ADVANCE			LITHOLOGY					VISUAL PERCENTAGE MINERALISATION	
	DEPTH	DRILL ADVANCE INTERVAL	CORE RECOVERY	PERCENT RECOVERY	INTERVAL	DESCRIPTION	ALTERATION	GRAPHIC LOG		STRUCTURE
					31-5	30-7	Quartz-feldspar lithic crystal tuff or tuff lava. Densely clastic to porphyritic texture. Lithics or lava clasts of qz-py rhyolite + fine-grain rh become more typically py l type down hole. qz:fal :: 1:3 rhyodacitic in composition.	clay alteration + weathered limonite along fractures.	30-7 frac, veined, E pct txt dominant. Heavily microfrac + qz veined. 31-8 60° flow band. 32-3 35° q.v.	Limonite on fractures.
					32-0	32-6	Quartz-feldspar porphyritic rhyodacite + rhyolite lava sequence. Pale greenish brown & cream more felsic sections; strongly py & plagioclase + qz phenocrysts. qz:fals :: 1:4 In f-medium grain, granular vitric almost shard like groundmass. felsic or rh sections have coarse grain qz phc. qz:fals :: 2:1. These sections are subordinate to the plag py rich sections.	minor clay / chlorite at gm. wthg effects along frac as lim + clay alt ⁿ . silicified in rh sections.	32-6 Massive to flow layered. Moderately frac.	
					34-2					
					35-0					
					36-7					
					37-3					
					38-1					
					39-3					
					39-9					
					40-5					
					40-9	40-3	at 40-3 25 cm fels py dacite & sericitised plag phc subordinate qz phc in gr chl gm.	37-4 Less wthg. chlorite is the mineral developed along frac which oxidises pale br lim.	38-2 15° frac. 38-75 55° frac along flow band. 39-3 2° irregular open lim frac.	
					41-7	40-9	Feldspar-qz porphyritic rhyolite. phc of qz eyes + subordinate plag in a foliated light gr-orange gm; or gm sections may indicate K feldspar. qz:fals :: 3:2	or-br mineral in fol gm highlights flow txt.	41-9 flow band 70° 41-15 flow banded + bracciated along layering. 42-3 flow band 60° strong primary bracc ⁿ 43-15 frac at 25° secondary frac.	Fa oxide along frac.
					42-6					
					43-0					
					44-0	44-0	Quartz-feldspar porphyry. A massive plag fels porphyroidal rock consists of coarse phc of wh plag with scattered	fresh, unweathered except for lim along frac.	44-0 massive.	

SCALE 1:100 (1cm = 1 m)

5 cm

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DRILLHOLE LOG FOR DDH EAB1

LOGGED BY G.F.P. FROM 30 TO 45m

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DRILL ADVANCE

LITHOLOGY

LITHOLOGY	DRILL ADVANCE				INTERVAL	DESCRIPTION	ALTERATION	GRAPHIC LOG	STRUCTURE	MINERALISATION	VISUAL PERCENTAGE MINERALISATION
	DEPTH	DRILL ADVANCE INTERVAL	CORE RECOVERY	PERCENT RECOVERY							
						com) found phenocrysts of quartz eyes quartz:feldspar :: 1:3 Set in a grey-green fine grained ground-mass - varies from ultra f.g. to flow banded.	com) yellow sericitic grains + patches in otherwise hard siliceous felsic gm. dark gr chlorite developed along flow fractured layers.		45.4 frac at 1° moderate secondary frac & light gr or clays		
	46.5	0.9	0.9	100%					46.5 frac at 20° cut core -qz + limonite.		
	47.4	0.6	0.73	121.6%					47.38 flow band 35°		
	48.0	1.2	1.1	91.6%							
					48.4	Altered shear zone. shd. sericitised volcanic & raltict qz phc. light gr colour.	sr & destruction of plag phc.		48.4 strongly shd.		
					49.1	Sheared porphyritic rhyodacite. cream-brown-light gr. qz eyes prominent + unalt.	weathered, plag phc vary from destroyed to well preserved		49.1 shd. frac.		limonite along fracs.
					50.0	Quartz-feldspar porphyritic rhyodacite. (lava or crystal tuff lava). Densely py to clast agglomeration of plagioclase phc (white) & sub-ordinate qz (clear) qz:fel :: 1:3 in a gr-br iron stained gm.	chloritic gm. plag phc vary from relatively fresh to heavily shd + altered to sr.		49.6 0° frac.		
					51.3				50.0 flow layered to 'auto' brecciated vo structures		
					51.8				51.05 30° flow band		
					52.3				cut by heavily limonitic quartzose vns along fracs.		
					52.9				withd & haematitic Fe & crystalline qz in or bleached densely plag phc section.		
					54.0	Feldspar-quartz porphyritic rhyolite. qz eye phc predominates in f.g. flow band light gr gm of devitrified glass.	siliceous. lim along qz veins + in frac.		53.8 10° q.v. 1 lim.		
					55.15	Feldspar porphyritic rhyodacite & minor qz phc	chl gm; Fe stained; shd		54.0 flow banded structures in gm. qz veined + lim.		
					55.45	Weathered shear zone Feldspar py v-densely packed coarse grain phc (or xals in tu)	heavily alt to clay + lim.		55.45 4° shear preferentially		
					56.7	Weathered quartz-feldspar porphyritic rhyodacite. qz eyes well preserved. plag phc vary from minor to total alteration. withg mainly along q.v.3 + fracs.	shd plag phc alt to sr clays. gm generally iron sm, possibly originally chl in sections.		55.6 20° shear withd along lim encrusted shear planes.		
					57.4				56.7 moderately intense qz veining, frac + finally cut by late Fe encrusted fracs.		
					59.3	Feldspar-quartz porphyritic rhyolite lava.	orange colour in fel		57.4 primary massive		

SCALE 1:100 (1cm = 1m)

COMSTAFF PROPRIETARY LIMITED

DRILLHOLE LOG FOR DDH EAB 1

LOGGED BY G.F.P. FROM 45 TO 60m

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5 cm

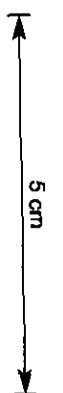
620017

DRILL ADVANCE

LITHOLOGY

LOST CORE	DRILL ADVANCE				LITHOLOGY				GRAPHIC LOG	STRUCTURE	MINERALISATION	VISUAL PERCENTAGE MINERALISATION
	DEPTH	DRILL ADVANCE INTERVAL	CORE RECOVERY	PERCENT RECOVERY	INTERVAL	DESCRIPTION	ALTERATION	ALTERATION				
	60.0	0.6	0.62	102.3%		cont medium grain phenocrysts of orange-white plagioclase + angular crystal quartz (not qz eye) scattered in light gr v.f.g sil. groundmass. qz: fcl :: 1:1. from 6.4 m fels pho dominate-dacitic.	cont phc partially due to iron.		cont structure, moderate later fracturing & limonite.	lim along frac.		
	60.6	0.3	0.3	100%								
	60.9	0.6	0.76	126.7%								
	61.5	0.9	0.93	103.3%	61.6	Pyritic dacite, crystal lithic, ash-lapilli tuff. Dark green pyroclastic volcanic, comprised of dk gr the clasts of da-andesitic composition & irregular plag + sub-ordinate qz xal in a light-dk gr chloritic matrix.	61.4 chloritic + Fe stn. weathered, heavily Fe impregnated; frac. 62.38 heavily chloritised & Pyrite associated & alteration.		61.6 unsorted, massive pcl texture.	disseminated pyrite associated & chl alt.	3%	
	62.4	0.7	0.8	114.2%								
	63.1	0.8	0.84	103%								
	63.9	0.6	0.61	101.7%								
	64.5	2.0	2.19	106.5%	64.2	Interlayered dacite + rhyolite crystal-lithic lapilli tuffs.	strong chl alt ⁿ in da sections.		64.2 20° frac fractured. 64.5 64.7 20° q.v. strongly qz veined	dis xain Py in da sections.	1%	
					65.05	Crystal-lithic, ash-lapilli rhyolitic tuff. ang coarse grained the clasts of dominantly or-brown qz-feldspar porphyritic rh & fine grain rh + minor dk gr da; ic clasts of rock types seen above in hole. xals are ang. c.g. of wh plag fcl + rounded qz eyes, concentrated in variable amounts from dense to very scattered. mix is dk gray-gr chl where fresh, stained or-br where weathered. pcl are polymodal, rare lapilli are almost block size of siliceous py rh.	fresh, cut by vuggy minor q.v.'s 66.85 silicified + subsequently withd. 68.4		65.05 strikingly obvious pcl txt. moderately qz veined.	lim along secondary fracs (joints) botryoidal goethite in q.v.'s after Py.		
	66.5	2.5	2.8	100%								
	69.0	1.5	1.84	102.7%								
	70.5	3.0	3.09	103%								
	73.5	2.2	2.3	104.5%								
									67.15 55° layering 71.4 0-3° secondary frac. 73.65 25° vuggy q.v.			

SCALE 1:100 (1cm = 1m)



COMSTAFF PROPRIETARY LIMITED

DRILLHOLE LOG FOR DDH EAB1

LOGGED BY G.F.P. FROM 60 TO 75m

DATE / / 81.

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620018

DRILL ADVANCE				LITHOLOGY					VISUAL PERCENTAGE MINERALISATION	
LOST CORE	DEPTH	DRILL ADVANCE INTERVAL	CORE RECOVERY	PERCENT RECOVERY	INTERVAL	DESCRIPTION	ALTERATION	GRAPHIC LOG	STRUCTURE	MINERALISATION
	75.7	3.0	2.96	98.7%	76		brown stained.			
	78.7	3.0	3.04	101.47%	79					
	81.7	3.0	3.07	102.4%	82					
	84.7	2.5	2.51	100.4%	85	Crystal, coarse ash rhyolitic tuff. c. xal of predominantly plagioclase, white feldspar with round quartz xal in a brown fine-medium grained groundmass - made up of interlocking devitrified shards? or glasses.	br-yellow colour after siderite? or similar mineral, staining obliterates any evidence of K feldspar.		21.25 20° shearing 21.7 50° layering in flow banding 22.0 40° fracture	
	87.2	2.5	2.55	102%	88					
	89.7	3.0	3.04	101.4%	90	Crystal, coarse ash rhyodacitic tuff. c. xal of plag feldspar - vary from well defined wh to cloudy diffuse altered. Matrix, where fresh, is grey to buff of f-c ash material.	iron stn along fracs. generally fresh & min- or iron stn along fracs.		23.9 24.7 0° fractured qz vein. 26.45 0° irregular limonite filled frac. 26.85 fractured. 27.8 minor fracturing. minor qz veining. 29.45 15° q.v.	

5 cm

SCALE 1:100 (1cm = 1m)

COMSTAFF PROPRIETARY LIMITED

DRILLHOLE LOG FOR DDH EAB1

LOGGED BY G.F.P.

FROM 75 TO 90m

DATE / / 21

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620019

DRILL ADVANCE				LITHOLOGY					VISUAL PERCENTAGE MINERALISATION	
LOST CORE	DEPTH	DRILL ADVANCE INTERVAL	CORE RECOVERY	PERCENT RECOVERY	INTERVAL	DESCRIPTION	ALTERATION	GRAPHIC LOG	STRUCTURE	MINERALISATION
					91		90 ^s becomes progressively more iron stained.			
					91.75	Carbonaceous shale & lithic felsic pyroclast at top	iron stained, indurated.		91.75 60° contact	
					92.0	crystal, coarse ash-lapilli rhyodacitic tuff. Densely concentrated clasts of predominantly plagioclase phenocrysts with minor quartz. Matrix of green-brown ash & minor carb mud. Subaqueous deposit.	br-orange stn. haematite? along fractures or as irregular patches.		92.0 65° contact	banded, brecc.
	92.7	1.3	1.13	86.9%	93				gradational & increases in pct.	
					93.6	Lithic ash lapilli dacitic tuff. & scattered crystals. Ltc of gr fine grained da volcanic, wispy angular shape & c. xal plag & rare qz. Mtx is heavily weathered.	strongly withd, iron stn & friable due to clay development.		92.4 30° frac.	
	94.0	0.4	0.3	75%	94				(end xal tu, start) ltc. da tuffs	
	94.4	0.5	0.5	100%	95				94.0 frac. massive quartz vein.	
	94.9	1.8	1.74	96.7%	96				94.4	
					96.35	carb shale & qz-feldspar py rhy bomb. lapilli	95 ^s qz veined, fractured & serialised.		95.75 15° q.v.	increase in explosive activity
	96.7	1.6	1.6	100%	97	Lithic lapilli-ash dacitic tuff or tuffaceous (epiclastic) lithicwacke. Subrounded to subangular gr. f.g. da vo. tuf sandstone & black sh lithics in a gr da to grey partially carb ash mtx.	heavily clay altered, brecciated & qz veined. intense with effect along q.v.		96.1 20° frac.	
					98.3				96.35 irregular contact	
					99.7	carb sh & pyroclastic + epiclastic lithics.	iron stn in frags.		96.3 75° q.v. cuts tension vns at 15°	
	100.5	0.7	0.6	85.7%	100				96.5 irregular contact	
					100.15	Lithic ash-lapilli dacitic tuff or tuffaceous (epiclastic) lithicwacke.	Iron stn, heavily clay alt along frags.		97.1 1° q.v. along frac.	increase in explosive activity
	101.2	2.3	2.16	93.9%	101	Carbonaceous shale. bk carb sh mtx to ash & lap pct & epiclasts. brecc.			97.4 50° B	
					102.25	carb, slightly tuf, siltstone.			98.6 35° frac-qz haematite vn.	
					102.35				98.75 45° q.v.	
					102.5	Lithic ash-lapilli rhyodacitic to dacitic tuff, becoming more basic in clast & mtx components downhole, & minor interbedded argillaceous sedimentary units. c. lap of predominantly qz-feldspar py rh & minor m. clasts of f. py andesite, plag & qz xals.	bleached, sil.		99.15 25° q.v.	
	103.5	3.0	3.0	100%	103				99.7 irregular contact 20° fractured.	
					103.3				100.15 fractured.	
					104.0		limonite along frags.		100.85 broken	
					104.6	Lapilli of pred qz-py andesite - the mtx of			strongly frac-brecciated & infilling vein quartz.	
					104.7				102.25 broken	
									102.3 40° B. cleaved.	102.33 oxidised pyrite along cl.
									102.5 90° contact	3%
									103.4 65° 10cm carb unit (sh) & da	
									103.65 35° S	
									104.0 2° frac.	
									104.5 block of qz-fel py rh.	
									104.7 block of rounded gy cherty f.g. siliceous vo or sediment.	

SCALE 1:100 (1cm = 1m)

COMSTAFF PROPRIETARY LIMITED

DRILLHOLE LOG FOR

DDH EAB1

LOGGED BY G.E.P.

FROM 90 TO 105m

DATE / / 81

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5 cm

620020

DRILL ADVANCE				LITHOLOGY					VISUAL PERCENTAGE MINERALISATION		
LOST CORE	DEPTH	DRILL ADVANCE INTERVAL	CORE RECOVERY	PERCENT RECOVERY	INTERVAL	DESCRIPTION	ALTERATION	GRAPHIC LOG	STRUCTURE	MINERALISATION	
					106	(cont) which is dark green & chloritic with serialised dacitic clasts. Bombs, blocks & boulders of grey cherty volcanic (or fine grained siliceous tuff) occur at 104.5, 106.5, 107.25 m. Scattered crystals of plagioclase die out downhole.		106-48 iron stained - brown. 107-1	106-18 bk f. flow banded gy sil. rh. 106-9 accumulation of sil. rh blocks & lap. 106-5 py gy sil rh block. 107-25 block or boulders gy ch tu.		
	106-0	3-0	3-04	101-4%	108-6	Carbonaceous epiclastic conglomerate.	volcaniclasts chloritized.	108-4 50° contact unsorted, poorly bedded.	increase in pcl ↑	oxidised Pyrite in carb sh along cleavage & fracs.	2%
	109-5	1-4	1-54	110%	109-95	Carbonaceous siltstone & shale. Indurated dk gy-black interlayered ss & sh partings & interstumped minor units of lithic rhyodacitic lapilli tuff, & crystal ash tu.	indurated. 109-9 heavily brecciated.	109-5 15° a.v. 109-65 10° S well bedded & cleaved. 109-9 35cm unit xal ltc tu 110-25 110-25-35° xal tuff layer 110-48 unit of xal tuff.		massive patches R ₂	10%
	110-9	0-9	0-53	58-9%	111-9	Crystal-lithic lapilli rhyodacitic tuff. Hc of quartz-feldspar py rh, f. py andesite, xal plag, qz.	iron stn in pcl units increase in pyroclastic material downhole.	111-0 fractured 111-9 50° irreg contact pyroclastic acid ↑	decrease in pcl ↓	dis Py concentrated along fractures.	5%
	111-8	0-7	0-77	110%	112-6	Lithic ash lapilli dacitic tuff. Subrounded polymodal lap of gr f.g ds. to gy fg rh? volcanic in ashy flow banded matrix. Sericitised mix & clasts & disseminated Pyrite.	iron stn, bleached & weathered. yellow-gr sericitic alteration.	112-6 foliated & flow banding or layering 112-9 15° frac	intrusive ↓	dis crystalline Py - very fig.	10%
	112-8	0-5	0-56	112%	115-0	Crystal lithic lapilli rhyolitic tuff & units of pyroclastic tuff lava. Polymodal lap clasts of feldspar-qz porphyritic rh, coarse plag & occasional qz xals in gr to gy, f. xal ash mix. rh tu lavas vary from massive to pcl breccias of fcl-qz py rock & a fg. siliceous mix. tu lavas are 116.2 - 47.35 m. 118.7-119.7 m.	114-0 iron stn, withd. 114-4 sericitised. 115-4 iron stn, clay altered. 116-18 silicified, iron stn. along fracs.	114-5 30° flow banding 114-9 transition via plag xal tu 115-1 115-0 65° contact 115-25 re-worked, subrounded Hc 115-8 50° 2cm gy cherty unit & pcl.	int ↑	114-98 conc patches Py	5%
	113-0	2-8	2-46	98-4%	116-4			113-9 15° frac		113-9 galena xal along frac.	
	113-3	0-9	0-93	103-3%	117-3			114-9 50° frac			
	116-4	0-9	0-86	98-5%	118-2			115-8 50° 2cm gy cherty unit & pcl.			
	117-3	0-9	1-02	113-3%	119-8			117-3 35° frac			
	118-2	1-3	1-28	96-1%	119-8			118-7 65° minor F.			
	119-8	1-8	1-78	98-8%	119-8			119-8 fractured, iron stn.			

SCALE 1:100 (1cm = 1 m)

5 cm

COMSTAFF PROPRIETARY LIMITED

DRILLHOLE LOG FOR

DDH EAB 1

LOGGED BY G.F.P.

FROM 105 TO 120 m

DATE / / 81

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620021

DRILL ADVANCE

LITHOLOGY

DEPTH	DRILL ADVANCE INTERVAL	CORE RECOVERY	PERCENT RECOVERY	INTERVAL	DESCRIPTION	ALTERATION	GRAPHIC LOG	STRUCTURE	MINERALISATION	VISUAL PERCENTAGE MINERALISATION
121.3	2.2	2.41	109.5%	120.9	Rhyolite tuff-lava Feldspar-quartz porphyritic pale green-cream acid volcanic	bleached, pitted & iron stained on veins.		121.0 15° frac heavily veined & vuggy, leached iron stn q.v. 5 121.8 45° contact		
123.5	0.3	0.49	98%	121.8	Lithic ash-lapilli dacitic tuff. Angular to subrounded (reworked) lap + coarse ash lts of: gr py dacite, fine grain foliated dacitic tu, tuffaceous sandstone. Groundmass is fol gr to grey f.g. Ash & minor carbonaceous component. Subaqueous deposition & rare intercalated shale.	Sericitised matrix with chloritised ltc clasts, pyritic alteration & sr.		122.5 25° foliation, foliated, irregular, iron stn fractures	disseminated Pyrite crystals + clusters.	10%
124.0	0.5	1.27	47.7%	124.5	Carbonaceous shale. Block, massive to 'blocky' sh & gradation to shaly siltstone & ss. Pyrite along fractures & dis along bedding.	124.5 Iron stained. indurated. bk carb matter along fracs. Cut by later fracs & Py.		124.1 20° fol. 124.3 0° tuff ss layer, slumped 124.6 15° q.v. 124.8 contact broken cleaved, well bedded, but bd 125.8 340°, parallel B. obscured by ind + cl. 126.9 B 55°	finely crystalline Py along fracs & in main aggregates.	3%
125.4	0.15	0.15	80%	126.2						
125.45	0.15	0.51	105%	126.7						
127.45	0.3	0.44	92%	127.7						
128.15	0.25	0.2	80%	128.4						
128.4	0.4	0.4	100%	128.8						
128.8	0.6	0.44	106.4%	129.4				129.9 40° B. Py along bedding		
130.5	0.5	0.67	134%	131.0						
131.0	0.85	0.86	101.2%	131.85						
132.7	0.8	0.92	115%	133.5						
133.5	0.9	0.51	56.7%	134.4				133.6 45° B.		

SCALE 1:100 (1cm = 1m)

COMSTAFF PROPRIETARY LIMITED

DRILLHOLE LOG FOR DDH EAB1

LOGGED BY G.F.P.

FROM 120 TO 135m

DATE / / 81

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5 CM

620022

LITHOLOGY

DRILL ADVANCE

DEPTH	DRILL ADVANCE INTERVAL	CORE RECOVERY	PERCENT RECOVERY
135.5	0.1	0.18	18%
136.6	0.5	0.4	80%
136.1	0.3	0.15	50%
136.4	0.4	0.31	77.5%
136.8	0.4	0.33	82.5%
137.2	0.6	0.45	158.3%
137.8	1.25	0.91	72.8%
139.05	0.45	0.79	83.1%
140.0	1.0	0.64	64%
141.0	0.15	0.2	133.3%
141.15	0.65	0.85	130.8%
141.8	0.3	0.23	76.7%
142.1	0.1	0.12	120%
142.25	0.25	0.2	80%
142.5	0.25	0.19	76%
142.75	0.6	0.5	83.4%
143.35	0.65	0.54	83%
144.0	0.4	0.6	150%
144.4	1.1	0.83	75.5%
145.5	1.6	1.71	106.9%
147.1	1.4	1.4	100%
148.5	1.4	1.41	100.7%
149.9	1.6	1.53	95.6%

SCALE 1:100 (1cm = 1m)

Carbonaceous pyritic shale (con)

ALTERATION

GRAPHIC LOG

STRUCTURE

MINERALISATION

VISUAL PERCENTAGE MINERALISATION



137.2 60° Py along frac = 3
137.4 25° Py along frac = 3

cleavage dominant over bedding.
shaly bd prominent.

139.7 25° S

140.1 broken crystalline quartz vein

141.05 xaln q.v.
141.20 xaln q.v.

142.1 xaln q.v.
142.25 xaln q.v.

143.5 75° shaly B.

144.4 25° shaly B

consolidated,
unbroken core.

146.1 25° B

149.4
149.65 55° qv.

increase in bracciation with quartz infilling.

Pyrite predominantly as very fine grain or clusters along bedding. Also concentrated in fractures, bd planes & cleavage planes.

36

52

5 cm

620023

COMSTAFF PROPRIETARY LIMITED

DRILLHOLE LOG FOR

DDH EAB 1

LOGGED BY G.F.P.

FROM 135 TO 150m

DATE / / 81

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LITHOLOGY

DRILL ADVANCE

LOST CORE	DRILL ADVANCE			INTERVAL	DESCRIPTION	ALTERATION	GRAPHIC LOG	STRUCTURE	MINERALISATION	VISUAL PERCENTAGE MINERALISATION
	DEPTH	DRILL ADVANCE INTERVAL	CORE RECOVERY							
					Carbonaceous pyritic shale (con)					
			151		150-9 brecciated infilling by vuggy quartz - py			break apart - breccia structures infilled & qz-py - ? st. - pug material.	150-9 crystalline py in quartz v. breccia fill material.	72
	151-5	0-5	0-52	104%	151-45 P. weathered sideritic carbonate + py.					
	152-0	0-5	0-82	164%	151-55					
	152-5	1-5	1-16	77.4%						5%
	154-0	1-8	1-8	100%				153-05 75°B pyritic conc. minor - rare thin qz veins + breccia zones.		
	155-8	1-6	1-6	93.2%				155-4 75°B		
	157-4	3-0	2-92	97.4%				156-15 80° 2cm qz-cbtlz-py conc along B.		
	160-4	2-0	2-1	105%				156-25 30° qv and py		
	162-4	1-1	1-2	93.4%				158-5 75°B		
	163-5	0-8	0-8	100%				160-9 75°B		
	164-3	1-2	1-18	98.4%				163-9 65°B		
								164-55 quartz infilled shale breccia.		

SCALE 1:100 (1cm = 1 m)

5 CM

COMSTAFF PROPRIETARY LIMITED

DRILLHOLE LOG FOR

DDH EAB.1

LOGGED BY G.F.P FROM 150 TO 165 m

DATE / / 81

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620024

DRILL ADVANCE

LITHOLOGY

LOST CORE	DRILL ADVANCE			INTERVAL	DESCRIPTION	ALTERATION	GRAPHIC LOG	STRUCTURE	MINERALISATION	VISUAL PERCENTAGE MINERALISATION
	DEPTH	DRILL ADVANCE INTERVAL	CORE RECOVERY							
	165.5	1.3	1.33	102.3%	Carbonaceous pyritic shale (con)				disseminated Pyrite along bedding.	5%
	166.8	1.4	1.44	96%						
	169.3	2.4	2.4	100%						
	170.7	1.45	1.42	97.9%	170-15 Gray tuffaceous-carb siltstone units + layers, with interbedded black carb shale + silty sh. Gradual increase overall in grain size downhole & finer alternating grain sized units.			169.7 45° B quartz-Pyrite 2-3cm zones of brecciation + veining parallel B. 170-35 finely alternating beds of 171.4 10° q.v. infill in brecc zone. 171.6 80° B sh, silty sh + ss. 172.3 55° q.v. in breccia.		
	172.15	3.05	3.01	98.7%						
	175.2	1.2	1.27	105.8%					m.g. crystalline Py in breccia zones.	7%
	176.4	2.1	2.07	98.6%	176-55 tuf sandstone grading to ss & interlayered carb sh + silty sh. ss units are gy to green, medium grained grading uphole into fine grained ss into ss. Comprised of felsic tuf material + & a carb matrix. Interlayered carb sections are comprised of distinctly finer alternating light-dark gray tuf ss, dk gy silty sh + bk carb	sericitic alteration in ss units.		174.45 174.8 35° breccia. sections brecc infilled & quartz 175.4 85° B ± Py. soft sediment deformation. 176-55 50° irregular contact of first ss unit. 177.45 60° B — base of ss unit 177.85 65° B — top of ss unit 178.0 80° — base of ss unit 178-5 178.75 40° B — top of ss unit f.g ss unit, bedded. frac 179.4 179.65 70° B 179.9 80° B f.g ss & into ss.	dis Py along bedding dis Py along bd + in qz veined frags.	12% 5% 5%
	178.5	2.15	2.18	101.1%					Py in carb silty sh layers.	4%

SCALE 1:100 (1cm = 1m) sh.

5 cm

COMSTAFF PROPRIETARY LIMITED

DRILLHOLE LOG FOR DDH EAB 1

LOGGED BY G.F.P. FROM 165 TO 180 m. DATE / / 91 PAGE 13 OF 21

620025

DRILL ADVANCE				LITHOLOGY				VISUAL PERCENTAGE MINERALISATION			
LOST CORE	DEPTH	DRILL ADVANCE INTERVAL	CORE RECOVERY	PERCENT RECOVERY	INTERVAL	DESCRIPTION	ALTERATION	GRAPHIC LOG	STRUCTURE	MINERALISATION	PERCENTAGE
											1%
	181.25	0.45	0.4	88.9%	181		181-08 patches sericitised In tuf sa & orange K? patches		180.3 30°B Alternating tuf sa, ss, carb silty sh, minor sh. 181-05 75°B tuf sa, fractured. 181-75 broken altered sa, ss, minor sh. 182.0	Py & carbonaceous bands. disseminated fine grain Py in sa.	3%
	181.7	0.5	0.56	112%	182						
	182.2	0.55	0.55	103.6%	182-0	Breccia Zone. Carbonaceous shale & sub-ordinate carb-tuffaceous siltstone, fractured & brecciated in sections.			heavily fractured, core very broken.		
	183.05	0.35	0.39	111.4%	183						
	183.4	0.15	0.12	80%							
	183.55	0.25	0.20	80%							
	183.8	0.70	0.76	108.6%	183-9	Tuffaceous sandstone. coarse to medium grained gray-green arkosic tuf sa. Becomes less brcc + more obviously bedded.	altered, ye mineral staining in brcc, frac sections. Carb matter sa irregular structures & Gl		183-9 15° sheared 184.1 15° S brcc, but annealed. 184.4 faintly bedded, generally massive. 185.3 185.45 50°B very well bedded. 185.3 45°B 15° shearing 185.4 185.5 15° shear 187.15 fault or shear zone & qz 187.45 fractured.	dis Py, Pyroxotite in tuf mtn; f.g crystalline Galena in frac or in gy irregular concentration, br sphalerite in quartz veins f.g. dis Pb-Py in arkosic layers - concentrated along bedding in shaley units. Xaln Gl also in tuf layers or along minor fractures.	5% Gln Sph
	184.5	1.9	1.86	97.9%	184-3	Alternating tuf sa & very finely bd carb shale, & tuf sa 'striped' beds. Soft sediment deformation & crenulation folding evident.	sa units gy-gr & sericitic alteration. 186.4 bedding destroyed in deformed, shd rock.				
					187.45	Tuffaceous sandstone of 183-9m. sheared?	alt - ye mineral staining - epidote?				
					188-0	Sheared, alternating tuf sa & remnants of carb sh & ss interbeds. Contains a thin base unit of fine grain ash rhyolitatu.			188-0 shear 0°-3° cut by q.v. at ad 188-3 60° brcc. of tu unit or? large lapilli apiclast.	clusters v.f.g. Pb, Py along shd bd; minor f.g. Gl.	2% Gln
	188.7	2.4	2.44	101.7%	189-05	Alternating tuffaceous sandstone with siltstone in well bedded turbiditic units. sa grade from m.g. feldspathic arkosic lithic-crystal wackes to gr v.f.g cherty units. Interbedded gy carb units range from fg sa to ss.	sericitic alt of feldspathic layers gives ye light gr colouring.		189.05 0°-3° contact B 189.2 20°B wall bedded, 189.05 35°B rare quartz veins. 189.9 30°B braccias cut bedding. 189.65 40°B grading uphole 189.2 45°B 189.9 frac, core broken. vained & thin qz veinlets 4 carbonate. 189.3 15° S 189.6 189.8 15° shearing aligned & bd.	Py conc along bd or irregularly dis in gy carb layers. rare v.f.g. xaln Gl.	3%
	191.1	1.4	1.38	98.6%	191						
	192.5	0.9	0.8	88.9%	192						
	193.4	1.6	1.65	103.1%	193						
					194						
					195-0						

SCALE 1:100 (1cm = 1m)

COMSTAFF PROPRIETARY LIMITED

DRILLHOLE LOG FOR

DDH EAD 1

LOGGED BY G.F.P. FROM 180 TO 195m

DATE / / 81

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5 CM

620026

DRILL ADVANCE				LITHOLOGY					VISUAL PERCENTAGE MINERALISATION		
LOST CORE	DEPTH	DRILL ADVANCE INTERVAL	CORE RECOVERY	PERCENT RECOVERY	INTERVAL	DESCRIPTION	ALTERATION	GRAPHIC LOG	STRUCTURE	MINERALISATION	
	195.0	1.5	1.69	112.7%		Alternating units of medium-fine grain tuffaceous sandstone (con)		195.7 75° B 195.95 20° q.v.			
	196.5	1.3	1.46	112.3%							
	197.8	2.7	2.81	104%				198.0 60° B q.v. along bedding 198.65 50° B conc. Py. along bd.			
	200.8	0.7	0.29	41.4%				199.75 45° B, crenulation to 10° 200.2 broken due to moderate fracturing.			
	201.2	0.8	0.66	82.5%							
	202.0	2.3	2.44	106%							
					202.7	Andesitic tuff or tuf altered sa, m.g. interlocking crystalline texture, igneous aspect	chloritized in sections, dark gr & patches Py. spotted alt ⁿ	202.7 massive - igneous texture		diffuse f. patches Pyrite conc in chloritized sections.	5%
					203.4	Tuffaceous felsic sandstone? or felsic tuff. (cf 194.05 m) but coarse grained. Massive to crudely layered near top - could be a tuff, grading down into bedded alternating layers	yellow-green, heavily sericitised & lenses dk gr chloritic alt ⁿ in bands or layers.	203.4 mas. ↑ increase in pyroclastic texture.		Py in crystalline patches. Galena along shear or conc in dk gy bands-bedded?	7%
	204.3	1.6	1.73	108.1%		Varies from c.g. crystal tuf sa to fine grain. predominantly pyroclastic clasts but with some reworking - a sediment derived from weathering of true p.c. rocks?	feldspar partially to totally destroyed by alteration.	204.3 75° layering crudely layered. moderately fractured.		minor brown-red Sp.	
	205.9	0.4	0.25	62.5%							
	206.3	0.7	0.7	100%							
	207.0	1.0	0.95	95%	207.0	Alternating felsic tuf sa & finely bedded ss & minor silty shale bands.	silicified, moderately calcite veined.	207.05 75° bedding broken due to strong frac.		Py in f.g. patchy clusters on frac.	2%
	208.0	0.7	0.82	117.1%	207.9	Altered felsic tuff or tuffaceous sandstone (cf 203.4 m) but more alt + fractured.	silt, heavily silt to soft pug in parts. Cal veined.	207.9 crudely layered, strongly frac & sheared.		Py in f.g. aggregates along frac.	3%
	208.7	1.8	1.7	94.5%		gr. c.g. - f.g. crudely layered siliceous felsic rock. Shearing at a narrow angle - 2°-3° to core. Probably dacitic in composition.	feldspar totally altered to sericite.	208.0 3° S 208.3 20° cal vn.		Marcasite blebs altered to Py. Scattered blabe br Sp in more felsic f.g. bands.	

SCALE 1:100 (1cm = 1 m)

5 cm

COMSTAFF PROPRIETARY LIMITED

DRILLHOLE LOG FOR DDH EAB 1

LOGGED BY G.F.P FROM 195 TO 210 m DATE / / 81 PAGE 15 OF 21

620027

DRILL ADVANCE				LITHOLOGY						
DEPT	DRILL ADVANCE INTERVAL	CORE RECOVERY	PERCENT RECOVERY	INTERVAL	DESCRIPTION	ALTERATION	GRAPHIC LOG	STRUCTURE	MINERALISATION	VISUAL PERCENTAGE MINERALISATION
210.5	0.63	0.84	133.4%	210-85	dark green chloritic in bands + patches - more basic in composition - ? transition to andesite?	chl alteration, calcite veined.	210-65 braccie 210-8 fault pug		Py, Sp, Marcasite (con)	3%
211.13	1.97	1.88	95.4%	212					210-85 sulphides - very fine disseminated. Pyrite, Chalcopyrite, Sphalerite.	5%
213.1	0.8	0.8	100%	212-95	Andesite Breccia 1. Medium grained aphytic textured dk gr andesite composed of interlocking feldspar + mafic crystals. Fragmented by macro to micro white Cal veining + minor macro siderite veining. andesitic tuff + possible minor intercalated sediment.	mafics heavily chloritised, feldspars sericitised, otherwise txt well preserved.	212-95 bracciated + heavily carbonate veined.	dis Py in an frags, crystalline Py, trace Sp in vns. isolated xaln Galena in vns	5%	
213.6	1.5	1.25	90%	215					214-65 35° relic layering + carb material - interbed of sediment	
215.1	2.4	2.42	100.8%	215-92	Yellow siderite vein material predominant enclosing sub-rounded fragments of andesite + rare dacite. Reaction rims around clasts of tuff carbonate - grade away to wh Cal + later quartz toward vn		215-9 vein breccia of unsorted fragments in cbte cement.	fine grain xaln Gl > Sp dis to scattered in cbte - qz vn material. Minor dis Py in andesite fragments.	2%	
217.8	2.7	2.67	98.9%	217-95	2. Fine braccia of partially centric, absorbed equi-sized andesite clasts in qz-pinkish cbte vn cement. (non-calcareous high S.G.)		217-95 xaln Py along Cal vns		tr	
219.15				219-15	Dacitic tuff with lesser andesitic tuff. Predominantly pale ye-gr banded felsic dacitic m.g. ash tu (cf. 207-9m type) becoming dk gr + more dominantly andesitic down hole. Includes rare lapilli tu layers + very scattered lithics.	pale ye gr colour probably due to sericite. andesite sections chloritised.	219-9 20° Cal vn + houndstooth wals 219-8 35° contact shear or fault	crudely to well layered / 220-05 85° layering - bedding	blcks Sp + xaln Gl in da unts. Concentrated Sp in patches along cbte vns. dis Sp, Py in chl sections.	3%
220.2	2.1	2.17	103.3%	221					221-9 } lap tu bed.	4%
222.3	2.3	2.44	106%	222-25		222.4 chl alt more prominent - reflects increase in andesitic component.	222-25 } dis Py + Py	222-75 35° 10cm cbte vn 223-0 cbte vn at 10°	222-6 xaln Gl, karsc Sp in complex veined cbte sections. tr Sp dis Gl, Sp, Py in mts.	5%
224.4	1.2	1.23	102.5%	224-4	Lithic ash-lapilli andesitic tuff.	patchy Pz stained.	gradational 224-65 10° cbte vn 224-9 65° layering-bd.	223-3 dis Sp, Py > Cp in mtx	2%	
									xaln Gl + Sp along microfrac. blcks Gl + Sp + cbte.	2%

SCALE 1:100 (1cm = 1 m)

COMSTAFF PROPRIETARY LIMITED

DRILLHOLE LOG FOR DDH EAB 1

LOGGED BY G.F.P. FROM 210 TO 225 m

DATE / / 81

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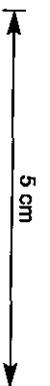
5 cm

620028

LITHOLOGY

DRILL ADVANCE											
LOST CORE	DEPTH	DRILL ADVANCE INTERVAL	CORE RECOVERY	PERCENT RECOVERY	INTERVAL	DESCRIPTION	ALTERATION	GRAPHIC LOG	STRUCTURE	MINERALISATION	VISUAL PERCENTAGE MINERALISATION
						Porphyritic vesicular andesite (con)					
	241.5	3.0	2.97	99.0%	241-242						
					242-243						
					243-244						
	244.5	3.0	2.97	99.0%	244.5-245		244.5 a pink-flesh coloured carbonate occurs with the calcite.				
					245-246						
					246-247						
	247.5	3.0	2.92	97.4%	247.5-248						
					248-249						
					249-250						
	250.5	3.0	3.06	102%	250.5-251						
					251-252						
					252-253						
					253-254						
	253.5	3.0	2.97	99.0%	253.5-254						
					254-255						

SCALE 1:100 (1cm = 1m)



COMSTAFF PROPRIETARY LIMITED
DRILLHOLE LOG FOR DDH EAB1

LOGGED BY G.F.P. FROM 240 TO 255m DATE / / 81
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620030

DRILL ADVANCE				LITHOLOGY					VISUAL PERCENTAGE MINERALISATION	
LOST CORE	DEPTH	DRILL ADVANCE INTERVAL	CORE RECOVERY	PERCENT RECOVERY	INTERVAL	DESCRIPTION	ALTERATION	GRAPHIC LOG	STRUCTURE	MINERALISATION
					256	(cont) sequence becomes more acid down hole with quartz-infilled vesicles in dacitic (light green fine grained) units.			255-85 70° layering da lava unit.	
	256.5	3.0	2.94	98.0%	257					
					258.4	<u>Dacite lava or altered andesite?</u> Similar to da sections in predominantly andesite layers above & below. f.g. light gr to brown-gr grading to buff matrix with gr mafic phenocrysts & chloritic amygdalae. Quartz infilling amygdale is subordinate, giving more acid composition. Strong brecciation indicates more viscous lavas with more hydrothermal activity - hence variation in texture, composition & alteration.	carbonate veined & chte brcc in sections	258.25 - 258.4 - 258.65 10° chte vn breccia & wispy chloritised andesite fragments. 259.2 - 259.55 auto-volcanic brecciated.	predominantly flows with intermittent breccias.	
	259.5	3.0	3.05	101.7%	260					
					262.5				261.85 autobrecciated.	
	262.5	3.0	2.96	98.7%	263	<u>Porphyritic vesicular andesite lava.</u> Pred dark gr f.g. andesite & scattered + rare phc of dk gr mafic - augite & coarse plagioclase. Amygdaloidal - rare to dense. This rock type grades into sub-ordinate pink-br more acid sections with quartz vesicles (or att phc?) c.f. 253.5 m.	infrequent chte veining & brecciation. da composition may be due to silicification during cooling.	262.95	massive flows	
					265.5					
	265.5	3.0	2.91	97.0%	266					
					268.5				268.0 75° layered.	267.8 Rare crystals chalcopyrite & chte.
	268.5	3.0	2.9	97.7%	269				268.6 extensive carbonate veining	tr
					270				269.5	

SCALE 1:100 (1cm = 1 m)

5 cm

COMSTAFF PROPRIETARY LIMITED

DRILLHOLE LOG FOR DDH EAB 1

LOGGED BY G.F.P. FROM 255 TO 270m

DATE / / 81

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620031

LITHOLOGY

DRILL ADVANCE				LITHOLOGY					VISUAL PERCENTAGE MINERALISATION		
LOST CORE	DEPTH	DRILL ADVANCE INTERVAL	CORE RECOVERY	PERCENT RECOVERY	INTERVAL	DESCRIPTION	ALTERATION	GRAPHIC LOG	STRUCTURE	MINERALISATION	
					270	vesicular & brecciated andesite lavas (con)	pink hematite? developed on veined fractures & in feldspar phenocrysts.	270.5 55° contact & dacitic unit. 271.75 273.05 38° calcite-Py vn. 274.0 20° Cal veined fracture. 274.25 38° layering-flow banding	very scattered biabs Pyrite & trace disseminated Calans in light green dacitic units. 271.75 Py crystals. trace sphalerite & rad Fe in cbte veined fractures.	tr	
	271.5	3.0	2.99	99.7%	271						
	274.5	3.0	2.98	99.4%	274						
					275-2	Pyritic andesite tuff. grey-green-brown colour. Varies from ash to lapilli size - lithic lap-ash tu. Lithics are subrounded fine grained ash composition often cemented by pyrite into semi-spheroidal aggregates. Sequence is predominantly lap tu & layered intercalations of ash tu.	characterized by strong mottled effect. carbonated-calcite occurs in matrix to pyrite clasts & as vns. Generally mix of tu is slightly calcareous. pyritised - replacement of ltc clasts, or as rims or haloes to clasts.	275.2 35° contact base of lava cbte breccia massive tuff. 276.75 15° cbte-vn-frac & Py 277.55 25° bedding bd tu 277.75 Cal mtx 278.05 bedded tuff. 278.45 massive tuff.	Py in cbte cement pervasive Py-fg replacing ltc & to a lesser extent ash mix. Patches semi-mas Py cement ltc & mtx.	19% 5% 13%	
	277.5	3.0	2.98	99.4%	275						
	280.5	3.0	2.98	99.4%	278						
					283-15	Porphyritic vesicular andesite lava dark gr fg andesite cf. 262.05 type - passes down into a cbte lav breccia.	cbte veined & brac pk mineral & Cal in vns.	280.25 50° Cal vn 282.15 60° approx contact 283.4 55° flow banding	Patches f.g. Py & trace Chalcopyrite in mix of ltc clasts & in ash mix of tuff. tr Gl.Sp as f. crystals.	10% 7%	
	283.5	3.0	2.97	99.0%	283						
					284-5	Pyritic andesite tuff. cf. 275.2m.	Irregular wispy dk gr	284.5 30° lav breccia bd ash tu.	282.15 Sp in frac, diffuse Py patches. 283.25 284.5 Py conc along bands	10% 10%	
	284.5	3.0	2.97	99.0%	284						

SCALE 1:100 (1cm = 1m)

COMSTAFF PROPRIETARY LIMITED

DRILLHOLE LOG FOR DDH EAB 1

LOGGED BY G.F.P. FROM 270 TO 285m

DATE / / 81

PAGE 20 OF 21

5 cm

620032

DRILL ADVANCE				LITHOLOGY						
DEPTH	DRILL ADVANCE INTERVAL	CORE RECOVERY	PERCENT RECOVERY	INTERVAL	DESCRIPTION	ALTERATION	GRAPHIC LOG	STRUCTURE	MINERALISATION	VISUAL PERCENTAGE MINERALISATION
				286	(con) Coarse ash-lapilli andesite tuff interlayered with ash tu + lap-ash tu. Generally clasts are equigranular.	(con) chloritic alteration Pyritised in lithic clastic fragments or as rims around clasts. Calcite occurs in matrix in sections but only generally as Cal veins.	285.75 40° fracture & soft very fine-grained yellow waxy clay mineral. 286.6 75° bedding: bd ash tu	(con) in bedding	10%	
286.5	3.0	2.93	97.7%	287	287.6 Lithic ash-lap tu increases in clast size downhole.		286.9 bedded ash + lap tu. 287.6 massive lap tu.	Pyrite concentrated along bd in finer ash tu layers. 287.6 Py in itc in lap tu. Trace Chalcopyrite, Sphalerite + Galena in Cal vns.	5%	
289.5	3.0	3.0	100%	289			289.25 10° Cal vn			
				291	291.1 Crystal-lithic andesite-dacite lapilli tuff. Polymictic pyroclasts of an, porphyritic da + feldspar xala. Ash matrix is dark green andesitic in composition. clasts are polymodal.	pyritised in mtr, yellow epidote flecks.	291.1 30° Cal vn.	291.1 Sp blabs in Cal vn.		
292.5	3.0	2.93	97.7%	293	293.4 Andesite-dacite lava braccia or tuff-lava. Pale brown dacitic lava braccia grading down into dk gr andesite braccia. Concentrations of white vesicles show lava origin.	vns of light-dk gr chlorite + Cal cut core, developed in ? coating joints.	292.4 35°	293.4 v.f.g disseminated Py in an mtr. rare blabs Sp in carbonate vns.	2%	
					End of DDH: EAB 1 at 295.5m					

5 cm

SCALE 1:100 (1cm = 1m)

COMSTAFF PROPRIETARY LIMITED

DRILLHOLE LOG FOR DDH EAB 1

LOGGED BY G.F.P.

FROM 285 TO 295.5m

DATE / / 81

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620033

	Matras	Cu	Pb	Zn	Ag	Ba	Au	S									SAMPLE NUMBER
0																	
1																	
2																	
3																	
4																	
5																	
6																	
7	66																
8		15	5	190	BLD	140	BLD	0.005%									
9																	
10	92																
11		35	BLD	195	BLD	130	BLD	0.005%									
12																	
13																	
14																	
15		20	25	160	BLD	160	BLD	BLD									

COMSTAFF PROPRIETARY LIMITED

ASSAY RESULT SHEET FOR

DDH EAB 1

ASSAYED BY Anals

FROM 66 TO 15m

DATE 20/10/81

PAGE 1 OF 20

620034

	Matrazo	Cu	Pb	Zn	Ag	Ba	Au	S									SAMPLE NUMBER
15																	
16	184																
17		20	10	80	BLD	80	BLD	BLD									
18																	
19	184																
20		20	10	125	0.5	110	BLD	BLD									
21	207																
22		25	10	100	BLD	80	BLD	BLD									
23																	
24	201																
25		25	30	100	BLD	80	BLD	BLD									
26	258																
27		40	5	110	0.5	120	BLD	BLD									
28	274																
29		20	10	145	BLD	110	BLD	BLD									
30	295																

COMSTAFF PROPRIETARY LIMITED **ASSAY RESULT SHEET FOR** DDH EAB I
 ASSAYED BY Analabs FROM 15 TO 30m DATE 20/10/81 PAGE 2 OF 20

620035

	Matras	Cu	Pb	Zn	Ag	Ba	Au	S									SAMPLE NUMBER
8		10	10	140	BLD	100	BLD	BLD									
7	31.5	25	55	175	0.5	110	BLD	BLD									
6	34.2	10	35	160	0.5	110	BLD	BLD									
5	37.3	5	15	145	0.5	150	BLD	BLD									
4	38.4	35	25	105	BLD	110	BLD	BLD									
3	42.6	10	25	170	0.5	110	BLD	BLD									
2	43.0	25	5	110	0.5	110	BLD	BLD									
1																	

COMSTAFF PROPRIETARY LIMITED

ASSAY RESULT SHEET FOR

DDH EAB I

ASSAYED BY Analabs

FROM 30 TO 45m

DATE 20/10/01

PAGE 3 OF 20

620036

	Metres	Cu	Pb	Zn	Ag	Ba	Au	S									SAMPLE NUMBER
45																	
46																	
47	4-5																
48		25	10	150	BLD	120	BLD	0.005%									
49																	
50	4-2																
51		25	25	145	BLD	120	BLD	0.005%									
52																	
53	5-8																
54		10	15	155	0.5	170	BLD	BLD									
55																	
56	5-5																
57		5	30	175	BLD	220	BLD	BLD									
58																	
59	5-6																
60		15	145	150	0.5	90	BLD	0.005%									

COMSTAFF PROPRIETARY LIMITED

ASSAY RESULT SHEET FOR

DDH EAB 1

ASSAYED BY Analabs

FROM 45 TO 60m

DATE 20/10/51

PAGE 4 OF 20

620037

	Metres	Cu	Pb	Zn	Ag	Ba	Au	S									SAMPLE NUMBER
60																	
61	60.6																
62		15	35	175	0.5	170	BLD	0.055%									
63																	
64	63.1																
65		10	55	140	BLD	160	BLD	0.005%									
66																	
67	66.5																
68		15	30	260	BLD	190	BLD	0.005%									
69																	
70	69.0																
71		25	30	380	0.5	200	BLD	0.005%									
72	70.8																
73		40	25	300	0.5	160	BLD	0.005%									
74																	
75	73.5																
		10	20	240	0.5	190	BLD	BLD									

COMSTAFF PROPRIETARY LIMITED

ASSAY RESULT SHEET FOR

DDH EAB 1

ASSAYED BY Analabs

FROM 60 TO 75m

DATE 20/10/81

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620038

Matrix	Cu	Pb	Zn	Ag	Ba	Au	S										SAMPLE NUMBER
757	5	20	220	0.5	200	BLD	BLD										
787	5	20	180	0.5	250	BLD	0.005%										
817	BLD	15	150	0.5	200	BLD	0.005%										
847	BLD	15	145	0.5	230	BLD	0.005%										
872	BLD	10	125	0.5	200	BLD	0.005%										
897																	

COMSTAFF PROPRIETARY LIMITED **ASSAY RESULT SHEET FOR** DDH EAB1
 ASSAYED BY Analabs FROM 75 TO 90.m DATE 20/10/81 PAGE 6 OF 20

620039

	Matras	Cu	Pb	Zn	Ag	Ba	Au	S									SAMPLE NUMBER
20		10	170	515	1.0	370	BLD	0.025%									
10	937	20	95	225	0.5	390	BLD	0.005%									
5	944	50	3750	1300	3.5	300	BLD	0.12%									
0	967	25	440	540	0.5	340	BLD	0.020%									
15	963	15	500	935	0.5	270	0.008	0.015%									
30	101-2	15	345	345	1.0	340	0.008	0.005%									
45	103-5	15	80	750	0.5	380	0.017	0.020%									

COMSTAFF PROPRIETARY LIMITED

ASSAY RESULT SHEET FOR

DDH EAB 1

ASSAYED BY Analabs

FROM 90 TO 105m

DATE 20/10/81

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620040

	Matras	Cu	Pb	Zn	Ag	Ba	Au	S									SAMPLE NUMBER
105																	
106	106.6	40	340	1100	0.5	450	0.025	0.26%									
107																	
108																	
109	109.5	50	390	325	1.5	400	BLD	0.66%									
110																	
111																	
112																	
113	112.5	25	310	1800	0.5	580	BLD	0.26%									
114																	
115																	
116	115.8	30	25	325	0.5	150	BLD	0.010%									
117																	
118																	
119	118.2	50	495	265	0.5	160	BLD	0.005%									
120																	

COMSTAFF PROPRIETARY LIMITED

ASSAY RESULT SHEET FOR

DDH EAB1

ASSAYED BY Anaba

FROM 105 TO 120m

DATE 20/10/81

PAGE 3 OF 20

620041

	Metres	Cu	Pb	Zn	Ag	Ba	Au	S									SAMPLE NUMBER
121	121.3	100	8000	3.1%	6.5	360	BLD	3.05%									
122	124.0	60	1450	2500	2.0	310	BLD	3.75%									
123	126.7	50	420	450	1.0	250	BLD	1.90%									
124	129.4	50	450	510	1.0	250	BLD	1.90%									
125	01-88	60	960	955	2.0	250	BLD	1.65%									
126	134.4																

COMSTAFF PROPRIETARY LIMITED

ASSAY RESULT SHEET FOR DDH EAB 1

ASSAYED BY Analabs

FROM 120 TO 135m

DATE 20/10/81

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620042

	Metres	Cu	Pb	Zn	Ag	Ba	Au	S									SAMPLE NUMBER
135		65	490	690	1.5	230	BLD	1.75%									
136																	
137	137.2	65	320	490	1.0	200	BLD	1.65%									
138																	
139	140.0	50	215	715	1.0	190	BLD	1.80%									
140																	
141																	
142	142.75	50	195	860	1.0	190	BLD	1.80%									
143																	
144	145.5	65	105	350	1.0	210	BLD	2.10%									
145																	
146																	
147	148.5	70	300	735	1.0	200	BLD	1.85%									
148																	
149																	
150																	

COMSTAFF PROPRIETARY LIMITED **ASSAY RESULT SHEET FOR** DDH EAB 1
 ASSAYED BY Analabs FROM 135 TO 150 m DATE 20/10/81 PAGE 10 OF 20

620043

	Mzires	Cu	Pb	Zn	Ag	Ba	Au	S								SAMPLE NUMBER
150																
151																
152	151.5	80	65	220	0.5	170	BLD	2.80%								
153																
154	154.0	65	100	210	1.0	200	BLD	2.40%								
155																
156																
157																
158	157.4	70	55	140	1.0	230	BLD	2.40%								
159																
160																
161	160.4	60	40	140	1.0	220	BLD	1.95%								
162																
163																
164	163.5	35	20	105	0.5	250	BLD	0.96%								
165																

COMSTAFF PROPRIETARY LIMITED

ASSAY RESULT SHEET FOR DDH EAB 1

ASSAYED BY Analabs

FROM 150 TO 165m

DATE 20/10/81

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620044

	Mztras	Cu	Pb	Zn	Ag	Ba	Au	S									SAMPLE NUMBER
165	165-5	80	65	225	0.5	190	BLD	1.90%									
166																	
167																	
168	168-3	135	565	1550	1.5	180	0.025	3.50%									
169																	
170																	
171	171-7	80	230	455	1.5	230	BLD	2.60%									
172																	
173	172-6	85	535	1700	2.0	230	0.008	3.40%									
174																	
175																	
176	175-2	35	315	1750	1.0	260	BLD	1.30%									
177																	
178																	
179	178-5	20	355	1650	0.5	280	BLD	0.56%									
180																	

COMSTAFF PROPRIETARY LIMITED

ASSAY RESULT SHEET FOR

DDH EABI

ASSAYED BY Analabs

FROM 165 TO 180m

DATE 20/10/81

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620045

	Metres	Cu	Pb	Zn	Ag	Ba	Au	S.									SAMPLE NUMBER
180																	
181																	
182	181.25																
183		40	1050	2250	0.5	130	BLD	0.26%									
184																	
185	184.5																
186		40	1800	4350	1.0	130	BLD	0.40%									
187																	
188	186.4																
189		90	550	6500	1.0	130	BLD	0.54%									
190																	
191	188.7																
192		35	280	1300	1.0	180	BLD	0.69%									
193																	
194	191.1																
195		20	150	345	1.0	160	BLD	0.96%									
196																	
197	193.4																
198		20	240	1000	0.5	660	BLD	0.28%									

COMSTAFF PROPRIETARY LIMITED **ASSAY RESULT SHEET FOR** DDH EAB I
 ASSAYED BY Analabs FROM 180 TO 195 m DATE 20/10/81 PAGE 13 OF 20

620046

	Matrix	Cu	Pb	Zn	Ag	Ba	Au	S									SAMPLE NUMBER
195																	
196																	
197	196.3																
198		25	695	240	1.0	200	BLD	0.44%									
199																	
200																	
201	200.8																
202		20	290	820	BLD	240	BLD	0.27%									
203																	
204																	
205	204.3																
206		65	490	1450	1.0	220	BLD	0.22%									
207																	
208	207.0																
209		65	260	1950	0.5	120	BLD	0.25%									
210																	

COMSTAFF PROPRIETARY LIMITED

ASSAY RESULT SHEET FOR

DDH EAB 1

ASSAYED BY Analabs

FROM 195 TO 210m

DATE 20/10/81

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620047

	Mztrzs	Cu	Pb	Zn	Ag	Ba	Au	S									SAMPLE NUMBER
210	210-5																
211		40	285	1700	0.5	120	BLD	0.21%									
212																	
213	213-6																
214		60	1750	8600	1.0	9500	BLD	0.60%									
215																	
216																	
217	217-5																
218		50	345	3950	1.0	3300	BLD	0.20%									
219																	
220	220-2																
221		50	510	620	1.0	340	BLD	0.070%									
222																	
223	222-3																
224		280	2550	330	10.0	230	BLD	0.090%									
225	224-6																

COMSTAFF PROPRIETARY LIMITED

ASSAY RESULT SHEET FOR

DDH EAB1

ASSAYED BY Analabs

FROM 210 TO 225m

DATE 20/10/81

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620048

	Metres	Cu	Pb	Zn	Ag	Ba	AU	S									SAMPLE NUMBER
225		270	1850	785	10.0	230	BLD	0.10%									
226	225.95																
227		195	1300	2650	7.0	250	BLD	0.16%									
228																	
229	228.9																
230		150	2800	3750	2.0	260	BLD	0.34%									
231	231.1																
232		55	80	260	BLD	180	BLD	0.30%									
233																	
234	233.7																
235		85	470	2400	0.5	190	BLD	0.24%									
236																	
237	236.7																
238		105	70	345	BLD	300	BLD	1.50%									
239	238.5																
240		70	10	160	BLD	550	BLD	0.14%									

COMSTAFF PROPRIETARY LIMITED

ASSAY RESULT SHEET FOR

DDH EAB I

ASSAYED BY Analabs

FROM 225 TO 240 m

DATE 20/10/51

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620049

	Meqras	Cu	Pb	Zn	Ag	Bo	Au	S									SAMPLE NUMBER
240																	
241																	
242	241.8																
243		75	20	230	BLD	1200	BLD	0.090%									
244																	
245	244.5																
246		75	BLD	130	BLD	440	BLD	0.020%									
247																	
248	247.5																
249		35	10	105	BLD	300	BLD	0.030%									
250																	
251	250.5																
252		65	5	130	BLD	270	BLD	0.020%									
253																	
254	253.5																
255		60	5	90	BLD	420	BLD	0.015%									

COMSTAFF PROPRIETARY LIMITED

ASSAY RESULT SHEET FOR

DDH EAB I

ASSAYED BY Analabs

FROM 240 TO 255 m

DATE 20/10/81

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620050

	Matras	Cu	Pb	Zn	Ag	Ba	Au	S									SAMPLE NUMBER
255																	
256																	
257	256.5																
258		70	25	250	BLD	280	BLD	0.020%									
259																	
260	259.5																
261		35	130	420	BLD	650	BLD	0.035%									
262																	
263	262.5																
264		65	10	155	BLD	230	BLD	0.020%									
265																	
266	265.5																
267		60	10	120	BLD	190	BLD	0.020%									
268																	
269	268.5																
270		70	5	140	BLD	190	BLD	0.020%									

COMSTAFF PROPRIETARY LIMITED

ASSAY RESULT SHEET FOR

DDH EAB 1

ASSAYED BY Analabs

FROM 255 TO 270m

DATE 20/10/81

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620051

	Matrix	Cu	Pb	Zn	Ag	Ba	Au	S									SAMPLE NUMBER
270																	
271																	
272	271.5																
273		35	10	130	BLD	300	BLD	0.035%									
274																	
275	274.5																
276		65	35	200	BLD	340	BLD	2.40%									
277																	
278	277.5																
279		60	40	185	BLD	360	BLD	1.60%									
280																	
281	280.3																
282		80	505	2900	1.0	320	BLD	1.75%									
283																	
284	283.5																
285		60	40	195	BLD	320	BLD	2.05%									

COMSTAFF PROPRIETARY LIMITED

ASSAY RESULT SHEET FOR

DDH EAB1

ASSAYED BY Analabs

FROM 270 TO 285 m

DATE 20/10/21

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620052

	Metres	Cu	Pb	Zn	Ag	Ba	Au	S								SAMPLE NUMBER	
285																	
286																	
287	286.5																
288		100	20	300	BLD	250	BLD	1.35%									
289																	
290	289.5																
291		80	55	460	BLD	310	BLD	1.25%									
292																	
293	292.5																
294		50	80	200	BLD	390	0.008	1.20%									
295																	
295.5			End of DDH ; EAB 1 at 295.5m														

COMSTAFF PROPRIETARY LIMITED

ASSAY RESULT SHEET FOR

DDH EAB1

ASSAYED BY Analabs

FROM 285 TO 295.5m

DATE 20/10/81

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620053

**AUSTRALIAN ANGLO AMERICAN LIMITED
DRILLHOLE LOG**

Page 1A
of 17

Summary Sheet

PROJECT East Chester	AREA EL 5/63 Part 4	DRILLHOLE TYPE Diamond
CO-ORDS ~ E 378383 N 5384292	DECLIN -66°	AZIMUTH 148° MN
DATE COMMENCED 29.9.81	DATE COMPLETED 16.10.81	DRILLED BY Longyear
	DRILL RIG Longyear 38	RI 1175 m
Non Coring to: 4.0 m	HQ Core to:	NQ Core to: 60.7 m
	BQ Core to: 229.5 m	EOH 229.5 m

SURVEY DATA

Instrument: downhole camera.

DEPTH	DECLINATION		AZIMUTH	DEPTH	DECLINATION		AZIMUTH
	Uncorr	Corr			Uncorr	Corr	
47.5m		-62.5°	150° MN	197.5 m		-52°	148.5° MN
77.5m		-62.5°	151.5° MN	227.5 m		-51°	148° MN
107.5m		-61.25°	150° MN				
137.5m		-60.5°	151° MN				
167.5m		-55°	149.5° MN				

LOG SUMMARY

ROCK TYPE	MINERALIZATION		
	Style	Grade	Intersection width (Corr)
0-4.0m: triconed			
4.0-7.35m: sericitised epiclastic tuffaceous sandstone, siltstone + carbonaceous silty shale.	Blebs Galena in rhyolitic lithic clasts.		
7.35-13.75m: Itc (vitric) lapilli-ash dacitic tuff. heavily sericitised.	finely disseminated Tyrite.	5%	
13.75-16.35m: bedded fine to coarse crystal-Itc tuffs redeposited into epiclastic sa in layers.	Blebs Gl, Sphalerite + Py	1-2%	
16.35-20.7m: xal-Itc, ash-lap da tu. Heavily sericitised.	dis Py (5%), minor blebs SpGl.	3%	
20.7-23.65m: Itc lap-ash aquagene da tu. heavily sr.			
23.65-28.15m: interbedded c. ash da tu + tuf sa.	finely crystalline Py	2-3%	
28.15-35.85m: alternating tuf sa + finely bd tufes + sh.			
35.85-38.9m: Itc-ash aquagene redeposited tuffs.			
38.9-39.75m: carb silty sh	dis Py	5%	
39.75-50.45m: Itc lap-ash, fine ash + c. ash aquagene tuffs + intb tuf sa.			
50.45-51.25m: xal-Itc, ash-lap, rhyolitic tu.			
51.25-74.2m: intb tuf sa, tuf sa, carb silty sh + interlayered f. ash + Itc rh tu.	Gl + Sp (2-3%) + Py + Chalcopyrite	23%	
74.2-78.4m: xal-vit, ash, grading downhole to lap. rh tu.	Py, Gl + Sp + minor Cp	2-5%	
78.4-83.85m: tuf sa + f. ash tu + carb sh layers.			
83.85-92.25m: xal-vit rh ash tu + interlayered tuf sa, sr.	Py + Gl	average 8%	
92.25-100.85m: interlayered xal-Itc, ash; lap-ash + vit f ash tu redeposited into sedimentary epiclastic layers in sections.			
100.85-171.6m: plagioclase xal ash rhyodacitic tu + prominent flow banding. Iron staining is common.			
171.6-181.1m: feldspar xal da tu + fine grained ash layers.	Py + Sp in thin veinlets.		

Signature

[Handwritten Signature]

Date 21.10.81

DRILL ADVANCE				LITHOLOGY						VISUAL PERCENTAGE MINERALISATION			
DEPTH	DRILL ADVANCE INTERVAL	CORE RECOVERY	PERCENT RECOVERY	INTERVAL	DESCRIPTION	ALTERATION	GRAPHIC LOG	STRUCTURE	MINERALISATION				
4.0	0.5	0.45	90%	4.0	Lithic-crystal tuffite or coarse epiclastic sandstone, of reworked tlc + xal clasts in ash to carbonaceous matrix. The clasts are of lapilli size. Becomes more carb & an increase in vitric lap clasts downhole.	Pale yellow-brown - due to weathering, sericitised matrix. Pale waxy ye sericite replaces tlc + for vit clasts	Poorly sorted, clastic & rafts or blocks of shale.	Fine grain disseminated Pyrite in sr, carb mix. dis xaln blebs sl + spst in feldspar-qz rhyolite tlc clasts.	2%				
4.5	0.5	0.58	116%										
5.0	2.5	2.49	99.6%										
				5.7	Tuffaceous carbonaceous siltstone, light grey increasing to dark gy ss & 60% decreasing to 10% pyroclasts-ash, tlc-lap + xal clasts.	Pyroclastic lap are totally sericitised & remnant ash outline - scattered xal fg. ash?	5.1 sheared. 5.55 35° shearing 5.7 gradational	dis Py in sr vit clasts. xaln Py in carb sh blocks.	3%				
				6.7	Carbonaceous silty shale. gy & black fine intercalations. Rare tlc lap coast of sericitised tuff.		6.7 gradational	xaln Py blebs in ss. dis fg. Py in sericitic tuf clasts.	5%				
7.5	3.0	2.74	91.3%	7.5	Lithic or vitric lapilli-ash tuff. Clasts of pale ye-green sericitic? dacite comprising scattered coraded plagioclase phenocrysts in very fg. ground mass, also rare fg siliceous rhyolitic ash or lava. Mainly coarse ash to c. lap size. Sed in light gy-gr gm of felsic material & alteration to sericite, giving a soft crumbly texture. Sections also carry scattered plag + rare quartz crystals.	Pyroclasts of dacitic composition thoroughly sericitised. sr developed in ashy sections of mix. Infilling shears, fractures + along possible flow banding dk green chlorite? along shear. Minor weathering along the continuous veins + fractures.	6.98 25° slumping finely bedded. 7.35	fg. Py concentrated in wgs + blebs.	3%				
								7.6 65° fol. + lapilli clasts	finely dis Py in sericitised pyroclasts, ash units + bands.	5%			
								8.75	Blabs Py in siliceous clasts + in mix. dis Py in qz-sr sections of mix.				
								10.0	c. dacitic lap in fine grain ash mix.				
10.5	2.5	2.58	103.2%					10.6 30° shear mixed c. ash + lap clasts					
						11.45 55° fol - bedding minor fracturing.							
13.0	3.0	3.0	100%			13.75 gradational							
					grades into Bedded fine to coarse ash tuff & crystal-lithic pyroclasts. Pale gr to gy layered aegagene tu or sa. Scattered tlc + xal pcl.	sericitised in mix + along fracs.	14.15 50° B 14.3 50° B	bedded, minor to moderate fracturing.	finely dis xaln Py	1%			

SCALE 1:100 (1cm = 1m)

COMSTAFF PROPRIETARY LIMITED

DRILLHOLE LOG FOR DDH EAB2

LOGGED BY G.F.P.

FROM 0 TO 15m

DATE / / 81

PAGE 2 OF 17

5 cm

620056

DRILL ADVANCE				LITHOLOGY					VISUAL PERCENTAGE MINERALISATION		
LOST CORE	DEPTH	DRILL ADVANCE INTERVAL	CORE RECOVERY	PERCENT RECOVERY	INTERVAL	DESCRIPTION	ALTERATION	GRAPHIC LOG	STRUCTURE	MINERALISATION	
	30.4	0.3	0.3	100%	30	con) interbedded & very finely layered 'striped' cream/brown tuffaceous siltstone & carbonaceous silty shale 30-40 cm thick with individual layers 0.5-2 mm.		30.3 60° B	well bedded & finely interlayered units. soft sediment deformation apparent.	disseminated fine grain crystalline Pyrite. blebs Py.	2%
	31.2	0.2	0.18	90%	31	carb sh units are laminated & pyritic 3-25 mm thick.		32.35 70° B			
	31.4	2.9	3.24	111.7%	32	Crystal pyroclasts occur in coarse sections of tuf sandstone - evidence of contemporaneous acid volcanism with sedimentation.		33.3 slump breccia		f.g. Py in carb units & fine layers. Blebs Py in tuf layers.	2%
	34.3	1.2	1.3	108.3%	33			34.0		scattered Py xls in tuf ss	1%
					34			34.8 55° B		f.g. Py in carb layers	2%
					35			35.8		scattered Py in tuf ss	1%
					36	from 35.85. Aquagene lithic lapilli-ash tuff & Hc tu & sh.	35.85 Patchy sericite alteration developed in da ash matrix & Hc clasts.	35.85 65° B sh unit		Py as xal clusters in sh layers	1%
	35.5	2.0	2.02	101%	36-35	Lithic-ash aquagene or redeposited tuffs. Variable in composition & grain size :- 35.85-36.6 Hc la sh dacitic tu.		36.6 40° contact		xal blebs Py	1%
					37	36.6-37.1 Hc-xal, lap c. ash rhyolite tu.		37.1 60° fault contact			
					38	37.1-37.85 Hc ash-lap da tu.		37.25 15° SiO2 vein	unsorted.		
					39	37.85-38.05 f. ash tu.		37.85	f.g.		
					40	38.05-38.9 xal-Hc ash lap aquagene tu & a gy slightly carb mtx.		38.9 50° bedded contact			
					41	Carbonaceous silty shale. gray finely bedded shale & minor tuf ss. tuf layers come in from 39.6 m.	st att ⁿ in tuf layers.	39.6 20° B		dis Py in silty sh. banded Py concentrated along bedding where tuf layers are intc.	5%
					42			39.75			
					43			39.75			
					44			39.75			
	39.9	2.3	2.49	117.6%	39-35	Lithic lapilli-ash aquagene tuffs. Variable in composition & grain size (c.f. 35.85 m) 39.25-42.05 fine to c. ash predominant & sections of lap & xal-Hc pcl. lap are of plagioclase porphyritic da, sh & scatt xal pcl. at 42.05 f.g. light gr siliceous ash tu or sa. 42.25 Hc ash-lap tu of rhyolitic composition. light gy siliceous felsic ash mtx to polymodal Hc population - sericitised plag py da, sh & sc plag porphyroblasts? or f.g. th.	da lap have a gr sericitised mtx. soft white f.g. clay material in 50% of frac. dark gr chlorite in other 50%.	39.25 15° SiO2 vein	generally unsorted - f. ash sections may be layered. moderately fractured.	xal Py along f. frac associated & chlorite in some Py in mtx to Hc where carb. xaln Py, sp, Gl complexes associated & intersecting frac. tr Cp.	3%
					45			42.05			
					46			42.25	f.g.		
					47			42.25			
					48			43.5	5° frac.	dis blebs Py in felsic mtx cp, Gl, Sp along frac.	2%
					49			44.55	70° chlc ms. bedded but deformed by soft sediment def.	Cp, Sp, Gl along thin frac & ss complex blebs in chlc	2%

SCALE 1:100 (1cm = 1 m)

COMSTAFF PROPRIETARY LIMITED

DRILLHOLE LOG FOR DDH EAB 2

LOGGED BY G.E.P.

FROM 30 TO 43 m

DATE / / 81

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620058

DRILL ADVANCE				LITHOLOGY					VISUAL PERCENTAGE MINERALISATION		
LOST CORE	DEPTH	DRILL ADVANCE INTERVAL	CORE RECOVERY	PERCENT RECOVERY	INTERVAL	DESCRIPTION	ALTERATION	GRAPHIC LOG	STRUCTURE	MINERALISATION	
				46		(con) Green ash siliceous tuff predominates with gradations via increased carbonaceous content to silty shale. cream lithic ash-lapilli rhyolite units occur as carbonate interlayers.	(con) sericitised.			(con) veins. isolated patches Pyrite, disseminated Py in matrix.	
	46.5	1.5	1.59	106%	47				47.0 70°B wall bedded		
						gradational			47.6 75°B layered.		
	48.0	0.2	0.18	90%	48					scattered dis Py.	12
	48.2	0.2	0.17	86.6%							
	48.5	1.6	1.93	120.6%	49	Coarse ash aquagene tuffs, pale green-orange mottled siliceous tu, comprised of quartz with sections of or stained feldspar. Minor interbeds of light grey fine grain qz siltstone.	sericitic alteration of feldspar and felsic matrix.		49.2 55°B		
							49% increase in sr alt?				
	50.1	1.1	1.03	93.6%	50						
					50.45	Crystal lithic ash lapilli rhyolitic tuff. coarse ash to fine lap of fs etc in cr-gy sil mtr. decrease in grain size downhole.			massive	fine dis xal Py.	4r
	51.2	0.3	0.38	126.6%							
	51.5	1.0	1.0	100%	51.25	Finely interbedded tuffaceous sandstone, siltstone & carbonaceous silty shale. arenaceous units are light gr. medium to f.g. ash, finely to massively bedded. Beds become more mas & thicker down hole. finely interlayered with striped tuf ss & carb sh units which become less frequent downhole.	fine sr alt?		51.4 80°B finely bedded	xal blebs Py & trace Galena in bk sh. irregularly dis Py in tuf ss.	12
									52.3 52.8 73°B broken, fractured conz. f. qz veins + microfrac cut conz.		
	52.3	1.5	1.46	97.3%	53				54.15 55°B		
									54.8 70°B		
	54.0	0.9	0.83	92.2%	54						
	54.9	0.8	0.93	116.2%	55						
	55.7	0.6	0.37	61.6%	56	from 55.65 m. f. aquagene bd tuffs or tuf sa. No carb sh matter (cf. 44-1 type)			56.2	xal Py, Chalcopyrite & trace Gl along f. frac.	1%
	56.3	2.2	2.2	100%	57				56.7 65°B	xals sphalerite, Gl in minor brecciated bands. rare dis xal Py.	
									58.25 80°B		
	58.5	0.8	0.78	97.5%	59				59.6 70°B		
	59.3	1.4	1.49	106.4%	60				59.75 calcite breccia at 75°		

5 cm

SCALE 1:100 (1cm = 1 m)

COMSTAFF PROPRIETARY LIMITED

DRILLHOLE LOG FOR DDH EAB 2

LOGGED BY G.F.P. FROM 45 TO 60 m

DATE / / 81

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620059

DRILL ADVANCE

LITHOLOGY

LOST CORE	DRILL ADVANCE			INTERVAL	DESCRIPTION	ALTERATION	GRAPHIC LOG	STRUCTURE	MINERALISATION	VISUAL PERCENTAGE MINERALISATION
	DEPTH	DRILL ADVANCE INTERVAL	CORE RECOVERY							
				60-15	Interlayered fine grained ash tuff & lithic rhyolite tuffs. ash tu units are green, grading when f.g., to grey; siliceous-quartz-sericite composition. Massive to finely bedded where f. ash is redeposited. rh units are cream ltc tuffs, grading to f. ash cherty units. at 64.15 carbonaceous breccia, carb mud - to 64.5 stone is matrix to rhyolitic & sill. clasts. gradational	ash tu units are patchily sericitised.		disseminated Py & sr alt? scattered blebs crystalline Pyrite. very f.g. scattered dis Ty xaln coarse g. blebs Py. bands GI along frac, or assoc xaln Py xal blebs Py, trace Chalcopyrite, GI & Sphalerite in cherty & q.v.'s GI & Sp along foliations blebs, dis Ty	3% 0% 4% 5% 2%	
61.5	1.2	1.27	105.8%							
62.7	1.8	1.72	95.5%							
64.5	3.0	2.95	98.3%							
				67-5	Interbedded tuffaceous sandstone, with minor tuffaceous siltstone. cf. 60-15 & greater sedimentological properties + cf. 55-65. Predominantly gy gr siliceous f.g. ash tuf sa & irregular layers + slumped inclusions of yellow coarse grain feldspathic ash, & cream rh tu or sa eg. to f.g. xal ash & minor ltc tu units	silicified? patchily sr in fels sections.		Py in narrow stringers along frac. dis diffusa patches Py. tr GI, Sp associated & q.v.'s xaln Py, Cp in fissures + scattered, dis blebs.	3% 2%	
70.5	1.9	2.15	113.1%							
				72-4	from 71.6m well bedded sediments of same composition as before.			fine, scattered, dis Py. ranc blebs Py, Cp, GI.	2%	
				74.2	Crystal-vitric grading down to crystal-lithic ash grading down to lapilli rhyolite tuff.	ye-green sr along frac.		xaln blebs Py & Cp. scattered v.f.g Py, GI, Sp	5%	

SCALE 1:100 (1cm = 1 m)

COMSTAFF PROPRIETARY LIMITED

DRILLHOLE LOG FOR DDH EAB 2

LOGGED BY G.F.P.

FROM 60 TO 75 m

DATE / / 81

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5 cm

620060

DRILL ADVANCE				LITHOLOGY				GRAPHIC LOG	STRUCTURE	MINERALISATION	VISUAL PERCENTAGE MINERALISATION	
LOST CORE	DEPTH	DRILL ADVANCE INTERVAL	CORE RECOVERY	PERCENT RECOVERY	INTERVAL	DESCRIPTION	ALTERATION					
	76.4	1.6	1.69	99.3%		Gray gradually grading to cream, siliceous tuff. Mottled texture from partially corroded scattered crystal pyroclasts in vitric? ash matrix.			75.1 45° sulphides	cont in dark gray foliae.		
	77.0	2.5	2.36	94.4%		from 77.05 m Lithic xal lapilli coarse grained stained feld xals. top of chloritic andesite. altered black shale plagioclase phenocrysts, sr porphyritic dacite, qz-feldspar rhyolite in grass mts.			77.05 65° contact.	disseminated Pyrite + crystalline blabs Py + chalcocopyrite.	2%	
	78.4				78.4	Tuffaceous sandstone: cr to gr, grading from fg. ash to coarse grain ash downhole.			78.4 40° frac + qz vein.	well bedded.	dis. scattered xals Py	1%
	79.2				79.2	Carbonaceous shale; black siliceous silty sh & interlayered f. bedded tuff ss at contacts.	weathering suggests a fissure.		79.2 65° bd contact.	broken	scattered blabs Py; Galena developed along veined frac.	5%
	79.5	1.1	1.18	107.2%					79.8 75° B			
	79.8				79.8	Interbedded tuffaceous sandstones of 67.6m. Predominantly fine grained cherty gy ash to grading into light cr ash layers, & medium grain xal clasts. Possibly eugegne tuffs in part.	Calcite + epidote developed on fractures.		79.8 75° B	well bd; cut by thin, hairline microfractures.	Pyrite in hairline frac, trace Gl along fractures.	2%
	80.6	1.2	1.2	100%					81.05 62° B			
	81.8	1.2	1.2	104%		from 81.8 Siliceous gy cherty sa is massively bedded - brecciated + is cut by shear zones.			81.8	qz veined + brecciated	very fine scattered dis Py	1%
	83.0	2.0	2.0	100%					82.75 6° sheared.	fractured - brittle deformation	blabs Gl, minor Py	2%
	83.0						82.75 sericite on shear zone					
	83.0						83.05					
	83.85				83-85	Crystal vitric rhyolitic tuff or brecciated tuff-lava. fg quartzose igneous rock & brick red phc or pcd in patches of fg chloritic groundmass.	heavily sericitised in sheared section.		84.7	heavily frac.	xaln stringers, patches Py along frac + foliae; Gl in hairline frac + ss blabs.	10%
	85.0	1.7	1.72	101.1%					85.1 8° shd sheared	coarse patches Py associated & frac; xaln blabs Gl in frac.	5%	
	85.65				85-85	Finely bedded tuffaceous sandstones. pale gy to cr rh tuf c.g - mg ash.			85.9 70° B	bedded	Py in frac i v. fg Gl concentrated in dk gy diffuse bands.	2%
	86.7	1.8	1.7	94.4%			86.3 sericitised					
	86.7				86-85	Crystal-vitric c.g.-fg ash tuff: varies from mg. ash rh to flow banded + brec welded? tu & scattered brick red xals.	sericite + epidote in wispy either ad mix of? welded ash patches chl.		85.1 8° shd sheared		dis Py in chloritic + sericitised patches	1%
	87.7				87.7	Finely bedded tuffaceous sandstones. dk gy to light gr fg sa.			85.9 70° B	bedded	Py in frac i v. fg Gl concentrated in dk gy diffuse bands.	2%
	88.5	0.5	0.62	124%					88.15 45° B calcite veins.	well bd, cut by thin calcite veins.	fg Py conc along dk layers.	2%
	89.0	0.7	0.61	87.1%					88.65 55° contact		Py ss scattered dis xals, fg Gl & bk carb patches + mtx.	2%
	89.7	1.0	1.18	118%					89.0 80° Cal vn.			

SCALE 1:100 (1cm = 1m)

COMSTAFF PROPRIETARY LIMITED

DRILLHOLE LOG FOR DDH EAB 2

LOGGED BY G.F.P. FROM 75 TO 90m

DATE / / 81

PAGE 7 OF 17

620061

DRILL ADVANCE				LITHOLOGY				GRAPHIC LOG	STRUCTURE	MINERALISATION	VISUAL PERCENTAGE MINERALISATION
LOST CORE	DEPTH	DRILL ADVANCE INTERVAL	CORE RECOVERY	PERCENT RECOVERY	INTERVAL	DESCRIPTION	ALTERATION				
	90.7	0.9	0.85	94.4%	91	(con) of black carbonaceous material. Increase in crystal pyroclasts from sp. of brick red xals. lapilli lithics from sp. of porphyritic trachyte i.e. orange feldspar in f.g. br groundmass.			90.8 30° sheared contact & f.g. ash tu.		
	91.6	0.3	0.07	23.3%	91-3	Porphyritic rhyodacite or crystal vitric tuff. Scattered or phenocrysts or pd in fine grain, light green quartz-feldspar matrix.	Sericitised along fracture planes		strongly fractured.	Pyrite in sericitised frac & in stringers along frac.	5%
	91.9	0.1	0.13	130%							
	92.0	0.2	0.25	112.5%							
	92.4	2.1	2.05	97.3%	92-25	Interlayered crystal lithic ash, lapilli ash & fine grain vitric ash tufts. Redeposited into sedimentary layers in sections. Highly siliceous sequence & irregular contacts between varying rock types. Includes brecciated wispy blocks, or bree & displaced minor units, of or. plagioclase py dacite.	siliceous, sr developed in shd sections. calcite & Py in tension veins.		92.7 25° flow banding.	rare patches of Py associated & sericitic alteration along fractures	tr
	95.5	0.8	0.89	111.6%	93				93.5 50° bedded contact microfractured, shd & quartz veined.		
	96.3	1.9	2.33	123.6%	94				95.0 30° bedding		
					95						
					96						
					97						
					98						
	98.2	2.3	1.83	79.5%	98-05	Tuffaceous sandstone grading to redeposited tuff. f.g. highly siliceous, light gray-cream mottled texture. Fairly bedded, obscured by silicification.	sr infilling in bree sections, cal veined, sil.		98.05 60° contact mcr. frac & moderately shd. cut by cal + qz.	rare xain br sphalerite along frac.	tr
					99						
					100						
					101						
					102						
					103						
					104						
					105						
	100.5	3.0	2.98	99.3%	99.8	Crystal vitric rhyolitic tuff. Strongly foliated xals of plag feldspar are heavily altered to sr in a f.g. vit matrix. Rare or. feldspar xal. gradational contact on lithology, structural style, texture. sharp contact on alteration, colour, hardness. plag, xal-vit tu or a glassy py lava. Texturally it is a xal tu & a vit mtx. Scattered to dense concentrations of red-iron oxide stained plag xal occur in a f.g. flow textured devitrified glassy mtx. plag pd are angular, vary from halocrystalline to fragmental. iron	sericitised along foliation planes & as replacement of feld pd		99.7 40° B	disseminated xal Py. patches Py along frac.	12
					100.83						
					101						
					102						
					103						
					104						
					105						
	103.5	3.0	2.96	98.6%		plag, xal-vit tu or a glassy py lava. Texturally it is a xal tu & a vit mtx. Scattered to dense concentrations of red-iron oxide stained plag xal occur in a f.g. flow textured devitrified glassy mtx. plag pd are angular, vary from halocrystalline to fragmental. iron	silicified generally. mtx is patchily sericitised & fine dis Py Chlorite alteration in sections. Patches of pervasive sr alt ⁿ affects plag xal altering them to gr very f.g. masses. Cal vms moderate		103.15 80° Cal vms 103.3 30° fal 103.9 15° shd & chlorite	rare dis Py	tr

SCALE 1:100 (1cm = 1m)

COMSTAFF PROPRIETARY LIMITED

DRILLHOLE LOG FOR

DDH EAB 2

LOGGED BY G.F.P

FROM 90 TO 105m

DATE / / 81

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5 cm

620062

DRILL ADVANCE				LITHOLOGY					VISUAL PERCENTAGE MINERALISATION	
LOST CORE	DEPTH	DRILL ADVANCE INTERVAL	CORE RECOVERY	PERCENT RECOVERY	INTERVAL	DESCRIPTION	ALTERATION	GRAPHIC LOG	STRUCTURE	MINERALISATION
						(con) oxide dust is pervasive, varies from concentrated along stress fractures in crystals to a pervasive cloudiness which can extend outside of the crystal into the matrix. mtx is dark green to gray, felsic with possibly some chlorite alteration. Flow textured or brecciated & small microclasts scattered throughout. Rare very scattered chloritized lithic pyroclasts occur. Chemical composition: dacite, or if K feldspar is present in mtx: rhyodacite.	(con) intensity cut core. Carbonate mineral also in matrix. Epidote on calcite vns margins.			
	106.5	3.0	2.89	96.3%	106-107					
	109.5	3.0	2.9	96.6%	109-110				109.25 35° fol cut by Cal vns	
	112.5	2.9	2.87	98.9%	112-113		112.1 Cal + ep vns breccia		112.1 20° vns breccia 112.6 25° fol. 112.8 lithic lapilli quartz-chlorite/py-rhyolite.	
	115.4	3.1	3.0	96.7%	115-116				114.9 22° flow banding	
	118.5	2.3	2.19	95.2%	118-119					117.1 crystal Sphalerite + Galena in Cal veinlets.

5 cm

SCALE 1:100 (1cm = 1 m)

COMSTAFF PROPRIETARY LIMITED

DRILLHOLE LOG FOR DDH EAB2

LOGGED BY G.F.P FROM 105 TO 120 m

DATE / / 81

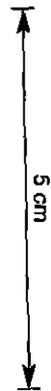
PAGE 9 OF 17

620063

LITHOLOGY

DRILL ADVANCE				LITHOLOGY					VISUAL PERCENTAGE MINERALISATION	
LOST CORE	DEPTH	DRILL ADVANCE INTERVAL	CORE RECOVERY	PERCENT RECOVERY	INTERVAL	DESCRIPTION	ALTERATION	GRAPHIC LOG	STRUCTURE	MINERALISATION
	120.8	3.0	3.04	101.3%	121	Plagioclase crystal-vitric dacitic tuff (con)				
					122					
					123					
	123.8	3.0	2.96	98.6%	124	124.0 lithic crystal pyroclastic fragments Lithics of pink rhyolite + green dacite tuff or fine grain lava.				
					125					
					126					
	126.8	0.7	0.6	85.7%	127					
	127.5	1.8	1.79	99.4%	128					
					129					
	129.3	1.2	1.21	100.8%	130					
					131					
	130.5	3.0	2.91	97.0%	131					
					132					
					133					
	133.5	3.0	2.97	99.0%	134					
					135					

SCALE 1:100 (1cm = 1m)



127.2 35° fol.

129.6 10° chlorite frac + xal Cal.

131.8 20° fol.

slight increase to moderate calcite veining chlorite-Cal vns & fractures.

120.8

129.0

Patches disseminated Pyrite associated with sericitic alteration of matrix + concentrated along chloritic fractures. trace Sphalerite & Calcite veinlets.

12%

620064

LITHOLOGY

DRILL ADVANCE				LITHOLOGY							
LOST CORE	DEPTH	DRILL ADVANCE INTERVAL	CORE RECOVERY	PERCENT RECOVERY	INTERVAL	DESCRIPTION	ALTERATION	GRAPHIC LOG	STRUCTURE	MINERALISATION	VISUAL PERCENTAGE MINERALISATION
						Plagioclase crystal-vitric dacitic tuff. (cont)			135-3 10° chlorite-calcite veined fracture.		
	136.5	3.0	2.96	98.6%							
					137-6	as above, but with only rare iron staining of plagioclase crystals.				137.6 blabs Pyrite associated with fractures. disseminated Py in sericitised matrix.	2%
	139.5	3.0	2.93	97.6%							
					142-5	as 100-85 m. Plag xal-vit tu, iron stained.				143.1 dis xal Py in sr mtk xal Py along chlorite-Cal veins.	1%
	142.5	3.0	2.91	97.0%							
					145-5						
	145.5	3.0	2.99	99.7%							
					148-5				148.4 30° fol		
	148.5	3.0	2.98	99.3%							

SCALE 1:100 (1cm = 1m)

5 CM

COMSTAFF PROPRIETARY LIMITED

DRILLHOLE LOG FOR DDH EAB2

LOGGED BY G.F.P. FROM 135 TO 150m

DATE / / 81

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620065

DRILL ADVANCE				LITHOLOGY					VISUAL PERCENTAGE MINERALISATION	
LOST CORE	DEPTH	DRILL ADVANCE INTERVAL	CORE RECOVERY	PERCENT RECOVERY	INTERVAL	DESCRIPTION	ALTERATION	GRAPHIC LOG	STRUCTURE	MINERALISATION
	151.5	3.0	2.87	95.6%						
	154.5	2.0	1.95	97.5%						
	156.5	1.4	1.44	102.8%	caving 156.5	gradational Flow banded plagioclase crystal-vitric dacitic (or andesitic) tuff. Similar to 157.6 section but more intermediate in composition. Rare to faint orange iron staining. White light green ± or plag ± felsic ? shards in light to dark gr devitrified matrix. Includes heavily chloritised lithic clasts of plag phenocrysts in chloritic mtk.	mtx sericitised, ± in part chloritised.		gradational	
	157.9	2.6	2.38	99.2%						
	160.5	3.0	2.93	97.6%						160.3 xal blebs honey-red Sphalerite in calcite veins along thin fractures. Chalcopyrite. sp. Pyrite concentrated in frac.
	162.5	3.0	2.98	99.3%						162.25 Py in frac, ± chloritic alteration ± in blebs.

5 cm

SCALE 1:100 (1cm = 1 m)

COMSTAFF PROPRIETARY LIMITED

DRILLHOLE LOG FOR DDH EAB 2

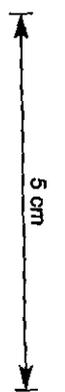
LOGGED BY G.F.P FROM 150 TO 165m

DATE / / 31

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620065

DRILL ADVANCE				LITHOLOGY						
DEPTH	DRILL ADVANCE INTERVAL	CORE RECOVERY	PERCENT RECOVERY	INTERVAL	DESCRIPTION	ALTERATION	GRAPHIC LOG	STRUCTURE	MINERALISATION	VISUAL PERCENTAGE MINERALISATION
181.5	0.7	0.28	125.7%	181.1	Crystal-lithic andesitic ash-topilli tuff Lithic pyroclasts of plagioclase-porphyrific vesicular andesite & chloritised augite. py an. in densely granular fragmental matrix. pcl unsorted but sub to well rounded. Dark green in colour generally. Matrix to clasts is light gr- probably sericitised.	chloritised mix. Highly varying to purely calcareous.	181.5 Fragmented to brecciated pyroclastic texture.	Disseminated Pyrite concentrated in andesitic lithic clasts. Py as blebs in mix associated with fractures.	2%	
182.2	2.3	2.2	95.6%							
184.6	3.0	2.91	97.0%							
187.5	3.0	2.92	97.3%	188.6m. increase in % & size of plag py an. lvs clasts, to black size - a contemporaneous an. lvs tu. to 189.5m		184.95 30° calcite in & Py.	184.95 Py along Cal vns & in frac. dis Py conc. in fine grain an tu rounded ltc pcl. dis scal blebs in mtk. Rare ruby blebs Sphalerite in Cal veins.	3%		
190.5	3.0	2.97	99.0%							
193.5	3.0	2.96	98.7%				190.5 cream carbonate mineral in veins.			



SCALE 1:100 (1cm = 1m)

COMSTAFF PROPRIETARY LIMITED

DRILLHOLE LOG FOR DDH EAB1

LOGGED BY G.F.P. FROM 130 TO 195m

DATE / /21

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620068

DRILL ADVANCE				LITHOLOGY							
LOST CORE	DEPTH	DRILL ADVANCE INTERVAL	CORE RECOVERY	PERCENT RECOVERY	INTERVAL	DESCRIPTION	ALTERATION	GRAPHIC LOG	STRUCTURE	MINERALISATION	VISUAL PERCENTAGE MINERALISATION
	196.5	3.0	3.03	101.6%	197						
					198						
					198.5	from 196.5m Increase in vesicular porphyritic andesite lava clasts.					
					199						
	199.5	3.0	2.96	98.6%	200	Vesicular plagioclase porphyritic andesite lava. Densely ves massive to brecciated lava with green & white amygdalae - calcite & chlorite.	matrix to lava clasts in brecc sections is chloritised. Highly calcareous.		massive calcite veining common.	crystalline blebs Pyrite & trace Chalcopyrite.	1%
					201						
					201.05	Lithic andesitic agglomerate - lapilli tuff. Rounded blocks of plag py ves an. lava in mtr of lap-ash pyroclastic material; or possibly a lava flow breccia. calc.	chlorite + yellow epidote developed in ashy mtr. carbonate in vesicles & in cross-cutting veins.		brecciated texture.	disseminated xln Py	tr
					202						
	202.5	3.0	2.94	98.0%	203						
					204						
					205						
	205.5	3.0	2.95	98.3%	206	Lithic andesitic lapilli-ash tuff. Rounded ltc of py an & dacite scattered in an andesitic granular groundmass. calc. increase in size of ltc clasts downhole.	gm chloritised & flecks of ye epidote.			blebs Py, tr Pyrrhotite concentrated in da ltc clasts.	2%
					207						
					208						
					207.8	Vesicular andesite lava - thin unit or bomb					
					208.15	Andesitic pyroclastic breccia or block-lapilli tuff. Angular ltc clasts of py an & ves an. in a fine to medium grained granular gm.					
	208.5	3.0	2.99	99.6%	209						
					210						

SCALE 1:100 (1cm = 1m)

COMSTAFF PROPRIETARY LIMITED

DRILLHOLE LOG FOR DDH EAB1

LOGGED BY G.F.P.

FROM 195 TO 210m

DATE / / 81

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5 cm

620069

DRILL ADVANCE				LITHOLOGY							
LOST CORE	DEPTH	DRILL ADVANCE INTERVAL	CORE RECOVERY	PERCENT RECOVERY	INTERVAL	DESCRIPTION	ALTERATION	GRAPHIC LOG	STRUCTURE	MINERALISATION	VISUAL PERCENTAGE MINERALISATION
					211	210-7	Vesicular andesite lava breccia. Blocks of densely ves. lava in an ash tuff matrix.			Pyrite along fracture.	12
	211-5	3-0	2-99	99-6%	212	211-95 Crystal-lithic andesitic ash-lapilli tuff? with brecciated ves an. lava bombs of irregular size. Lava clasts are densely ves. light green to cream in colour. Mtx has a crystalline porphyritic or xal clastic texture & may represent a plutonic rock. ∴ rock could be tuff lava.			Fine grained Py concentrated in scattered round dacitic lithic clasts. Stringers Py associated & fractures. Blebs Sphalerite, Galena associated & calcite in veins & fractures. Rare blebs xal chalcopyrite in mtx.		
				213							
				214							
				215							
	214-5	3-0	2-93	97-6%	216						
					217						
	217-5	3-0	3-02	100-6%	218						
					219						
					220						
	220-5	3-0	2-98	99-3%	221	220-75	Vesicular andesitic lava & lava breccia. Large calcite filled amygdalae dominant in clusters or scattered in breccia igneous lava-like py mtx.			Patches f.g. disseminated Py.	tr
					222						
					223						
	223-5	3-0	3-0	100%	224	224-1	Lithic-crystal andesitic lapilli-ash tuff. Distinctly pyroclastic texture with densely	orange-iron? staining in the xal clasts.	223-85 20° Cal vn & frac. 224-3 15° Cal vn & frac.	Sp & trace Gl in Cal veined sections.	
					225						

SCALE 1:100 (1cm = 1 m)

5 cm

COMSTAFF PROPRIETARY LIMITED

DRILLHOLE LOG FOR DDH EAB 1

LOGGED BY G.F.P. FROM 210 TO 225 m

DATE / /

PAGE 16 OF 17

620020

	Metres	Cu	Pb	Zn	Ag	Ba	AU	S									SAMPLE NUMBER
0																	
1																	
2																	
3																	
4																	
5	4.5																
6		90	380	1350	1.0	1300	0.019	0.76%									
7																	
8	7.5																
9		40	85	350	BLD	760	BLD	0.45%									
10																	
11	10.5																
12		45	115	140	BLD	600	BLD	0.40%									
13																	
14	13.0																
15		30	40	265	BLD	1200	BLD	0.14%									

5 cm

COMSTAFF PROPRIETARY LIMITED ASSAY RESULT SHEET FOR DDH EAB 2
 ASSAYED BY Analabs FROM 4.5 TO 5m DATE 30/10/81 PAGE 1 OF 16

620072

	Metres	Cu	Pb	Zn	Ag	Ba	AU	S									SAMPLE NUMBER
16.0																	
	35	30	240	BLD	660	BLD	0.17%										
19.5																	
	70	160	1650	BLD	630	BLD	0.40%										
22.7																	
	20	60	395	BLD	520	0.008	0.24%										
25.5																	
	20	510	810	0.5	640	BLD	0.30%										
28.5																	
	20	1400	3180	0.5	450	BLD	0.63%										

5 cm

COMSTAFF PROPRIETARY LIMITED

ASSAY RESULT SHEET FOR

DDH EAB 2

ASSAYED BY Analabs

FROM 15 TO 30 m

DATE 30/10/81

PAGE 2 OF 16

620073

	Metres	Cu	Pb	Zn	Ag	Ba	Au	S									SAMPLE NUMBER
38																	
37	31.4																
36		220	165	660	0.5	410	BLD	0.44%									
35																	
34	34.3																
33		90	170	1200	0.5	240	BLD	0.46%									
32																	
31	37.5																
30		80	285	1750	0.5	270	BLD	0.70%									
29																	
28	39.9																
27		65	70	385	BLD	270	BLD	0.25%									
26																	
25	42.4																
24		50	210	1400	0.5	250	BLD	0.54%									
23																	
22																	
21																	
20																	
19																	
18																	
17																	
16																	
15																	
14																	
13																	
12																	
11																	
10																	
9																	
8																	
7																	
6																	
5																	
4																	
3																	
2																	
1																	

5 cm

COMSTAFF PROPRIETARY LIMITED ASSAY RESULT SHEET FOR DDH EAB 2
 ASSAYED BY Analabs FROM 30 TO 45 m DATE 30/10/81 PAGE 3 OF 16

620074

Metres	Cu	Pb	Zn	Ag	Ba	Au	S									SAMPLE NUMBER
45																
46.5	15	100	255	BLD	270	BLD	0.18%									
48.5	30	405	565	0.5	300	BLD	0.24%									
51.5	160	435	900	1.5	260	0.008	0.57%									
54.0	70	405	905	2.0	210	0.008	0.30%									
56.3	25	170	445	0.5	190	0.008	0.24%									
59.3																
60																

5 cm

COMSTAFF PROPRIETARY LIMITED

ASSAY RESULT SHEET FOR

DDH EAB 2

ASSAYED BY Analabs

FROM 45 TO 60 m

DATE 30/10/81

PAGE 4 OF 16

620075

620076

	Matras	Cu	Pb	Zn	Ag	Ba	Au	S									SAMPLE NUMBER
60																	
61		95	230	375	3.0	280	BLD	0.24%									
62																	
63	62.7																
64		25	720	955	0.5	280	BLD	0.26%									
65	64.5																
66		110	630	1200	3.0	240	BLD	0.52%									
67																	
68	67.5																
69		165	125	135	0.5	300	0.012	0.38%									
70																	
71	70.5																
72		25	115	105	0.5	190	BLD	0.32%									
73	72.4																
74		70	85	205	BLD	210	BLD	0.28%									
75																	

5 cm

COMSTAFF PROPRIETARY LIMITED ASSAY RESULT SHEET FOR DDH EAB 2
 ASSAYED BY Analabs FROM 60 TO 75 m DATE 30/10/81 PAGE 5 OF 16

Metres	Cu	Pb	Zn	Ag	Ba	Au	S									SAMPLE NUMBER
75.4	45	40	180	BLD	120	BLD	0.16%									
77.0	30	45	235	BLD	220	BLD	0.15%									
79.5	35	55	145	0.5	210	0.017	0.31%									
81.8	30	135	245	BLD	240	0.017	0.42%									
83.0	30	115	460	BLD	260	0.008	0.27%									
88.5	30	35	400	0.5	240	BLD	0.16%									

5 cm

620077

COMSTAFF PROPRIETARY LIMITED ASSAY RESULT SHEET FOR DDH EAB 2
 ASSAYED BY Analabs FROM 75 TO 90 m DATE 30/10/81 PAGE 6 OF 16

	Matras	Cu	Pb	Zn	Ag	Ba	Au	S									SAMPLE NUMBER
90																	
91.6																	
92																	
93		20	60	155	0.5	230	BLD	0.18%									
94																	
95																	
95.5																	
96																	
97		20	35	105	0.5	280	BLD	0.24%									
98																	
98.2																	
99		10	5	65	BLD	240	BLD	0.11%									
100																	
100.5																	
101																	
102		15	10	55	BLD	230	BLD	0.080%									
103																	
103.5																	
104		15	5	75	0.5	240	BLD	0.030%									
105																	

5 cm

COMSTAFF PROPRIETARY LIMITED

ASSAY RESULT SHEET FOR

DDH EAB 2

ASSAYED BY Anatabs

FROM 90 TO 105 m

DATE 30/10/81

PAGE 7 OF 16

620078

Metres	Cu	Pb	Zn	Ag	Ba	Au	S									SAMPLE NUMBER
106.5	25	BLD	50	BLD	270	BLD	0.035%									
109.5	30	BLD	55	BLD	230	0.008	0.045%									
112.5	15	BLD	65	BLD	260	0.008	0.030%									
115.5	35	BLD	65	BLD	260	0.008	0.045%									
118.5	40	5	75	BLD	220	0.008	0.025%									

5 cm

COMSTAFF PROPRIETARY LIMITED

ASSAY RESULT SHEET FOR

DDH EAB 2

ASSAYED BY Analabs

FROM 105 TO 120m

DATE 30/10/81

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620079

	Matras	Cu	Pb	Zn	Ag	Ba	Au	S									SAMPLE NUMBER
120																	
121	120-8																
122		30	BLD	65	BLD	220	0.008	0.035%									
123																	
124	123-8																
125		15	5	65	BLD	210	0.008	0.035%									
126																	
127	124-8																
128		30	BLD	70	BLD	360	0.008	0.040%									
129																	
130	129-3																
131		15	BLD	55	BLD	270	BLD	0.025%									
132																	
133	133-5																
134		15	BLD	65	BLD	220	BLD	0.030%									
135																	

5 cm

COMSTAFF PROPRIETARY LIMITED

ASSAY RESULT SHEET FOR

DDH EAB 2

ASSAYED BY Analabs

FROM 120 TO 135

DATE 30/10/81

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620080

	Matres	Cu	Pb	Zn	Ag	Ba	Au	S									SAMPLE NUMBER
135																	
136																	
137	136.8																
138		25	10	95	BLD	150	BLD	0.040%									
139																	
140	139.5																
141		35	25	160	BLD	160	0.008	0.030%									
142																	
143	142.5																
144		30	20	95	BLD	180	0.008	0.035%									
145																	
146	145.5																
147		25	15	90	BLD	170	0.008	0.040%									
148																	
149	148.5																
150		30	35	175	BLD	160	BLD	0.040%									

5 cm

COMSTAFF PROPRIETARY LIMITED

ASSAY RESULT SHEET FOR

DDH EAB 2

ASSAYED BY Analabs

FROM 135 TO 150 m

DATE 30/10/81

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620081

	Metres	Cu	Pb	Zn	Ag	Ba	Au	S									SAMPLE NUMBER
150																	
151																	
152	151.5																
153		20	65	200	BLD	220	0.008	0.025%									
154																	
155	154.5																
156		50	40	185	BLD	260	BLD	0.030%									
157																	
158	157.5																
159		35	45	220	BLD	220	0.008	0.035%									
160																	
161	160.5																
162		20	70	295	BLD	185	BLD	0.070%									
163																	
164	163.5																
165		15	60	200	BLD	220	BLD	0.050%									

5 cm

COMSTAFF PROPRIETARY LIMITED

ASSAY RESULT SHEET FOR

DDH EAB1

ASSAYED BY Analabs

FROM 150 TO 165m

DATE 30/10/81

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620082

	Mttrs	Cu	Pb	Zn	Ag	Ba	Au	S								SAMPLE NUMBER
165																
166																
167	166.5															
168		20	45	220	BLD	410	BLD	0.075%								
169																
170	169.5															
171		20	35	170	BLD	240	BLD	0.065%								
172																
173	172.5															
174		30	50	130	BLD	270	BLD	0.10%								
175																
176	175.5															
177		45	300	1800	0.5	420	BLD	0.26%								
178																
179	178.5															
180		60	205	265	BLD	360	BLD	0.085%								

5 cm

COMSTAFF PROPRIETARY LIMITED

ASSAY RESULT SHEET FOR

DDH EAB 2

ASSAYED BY Analabs

FROM 165 TO 180m

DATE 30/10/81

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620083

Metres	Cu	Pb	Zn	Ag	Ba	Au	S									SAMPLE NUMBER
181.5	60	20	150	BLD	250	BLD	0.12%									
184.5	65	35	200	BLD	120	BLD	0.30%									
187.5	85	80	305	BLD	250	BLD	0.24%									
190.5	70	65	370	BLD	260	BLD	0.10%									
193.5	40	35	215	BLD	160	BLD	0.16%									

COMSTAFF PROPRIETARY LIMITED

ASSAY RESULT SHEET FOR

DDH EAB 2

ASSAYED BY Analabs

FROM 188 TO 193 m

DATE 30/10/81

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5 cm

620084

Metres	Cu	Pb	Zn	Ag	Ba	Au	S									SAMPLE NUMBER
196.5	45	20	205	BLD	260	BLD	0.20%									
199.5	50	10	245	BLD	160	0.008	0.12%									
202.5	35	5	175	BLD	110	BLD	0.16%									
205.5	35	10	175	BLD	230	BLD	0.070%									
208.5	30	20	190	BLD	160	BLD	0.060%									

5 cm

COMSTAFF PROPRIETARY LIMITED ASSAY RESULT SHEET FOR DDH EAB 2
 ASSAYED BY Analabs FROM 195 TO 210 m DATE 30/10/81 PAGE 14 OF 16

620085

	Matras	Cu	Pb	Zn	Ag	Ba	Au	S								SAMPLE NUMBER
210																
211																
212	211-8															
213		55	30	100	0.5	220	BLD	0.030%								
214																
215	214.5															
216		75	50	275	0.5	160	BLD	0.035%								
217																
218	217.5															
219		65	55	615	BLD	110	BLD	0.13%								
220																
221	220.5															
222		50	155	180	0.5	120	BLD	0.14%								
223																
224	223.5															
225		60	60	185	0.5	570	0.008	0.12%								

5 cm

COMSTAFF PROPRIETARY LIMITED

ASSAY RESULT SHEET FOR

DDH EAB2

ASSAYED BY Analabs

FROM 210 TO 225 m

DATE 30/10/81

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620086

Metres	CU	Pb	Zn	Ag	Fe	Au	S									SAMPLE NUMBER
226.5	60	70	275	0.5	260	0.008	0.065%									
229.5	End of DDH: EAB 2 at 229.5 m.															

5 cm

620087