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APPENDIX 1 OF TCR 75-1124

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PROJECT NAME: COMSTAFF PROPRIETARY LIMITED

TITLE: DRILL LOG CP 3

MICROFILMED

OPEN FILE

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

CHESTER SK-55/3 MCG 6.ON 1.2E

COMMODITY/IES: Cu, Pb, Zn

TEXT PAGES NO:

PLAN NOS:

TABLE NOS:

APPENDICES:

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DATE: April 1975

AUSTRALIAN ANGLO AMERICAN LIMITED

Incorporated in the State of Victoria

BOREHOLE NO. CP 3 TYPE Diamond Drill Hole CO-ORDINATES 6.ON 1.25 INCLINATION 45° at surface DIRECTION 080° (mag) at surface
 DATE START 1/4/74 DATE FINISH 20/4/74 DRILLER Ian Pringle, Steve Remac COMPANY Longyear FINAL DEPTH

CORE SIZE	DEPTH metres	DRILLED FEET metres	RECOVERED FEET metres	CORE DEPTH METRES	SAMPLE NO.	DESCRIPTION	ASSAY RESULTS							
							Cu	Pb	Zn	Ag	Ba			
NX	12.80	12.80	1.24			1.14 metres whole, rest broken.								
NX	14.48	1.68	1.60			1.35 metres whole, rest broken.								
NX	17.07	2.59	2.66			2.49 metres whole, rest broken.								
NX	19.51	2.44	2.72			2.52 metres whole, rest broken.								
NX	22.56	3.05	2.74			2.56 metres whole, rest broken.								
NX	24.38	1.82	1.82	25-26	TE 016	1.32 metres whole, rest broken.	40	32	400	0.1	800			
NX	26.21	1.83	1.83	26-27	TE 017	Whole core.	25	22	620	0.3	800			
NX	29.26	3.05	3.05	27-28	TE 018	Whole core.	25	22	1850	0.3	800			
NX	32.31	3.05	3.07	28-29	TE 019	Whole core.	25	260	650	0.3	1000			
NX	35.36	3.05	3.18	35-36	TE 020	2.93 metres whole, rest broken.	18	60	340	0.3	800			
NX	38.40	3.04	3.12			Whole core.								
NX	41.45	3.05	3.08	42.80m	TA 951	Whole core.								
NX	44.50	3.05	3.05	45-46	TE 021	2.90m whole, rest broken.	18	72	700	0.3	800			
						0.0m to 47.12m - Grey-white initially weathered fine siliceous pyritiferous rock which, in places, is porphyritic with white phenocrysts (probably pseudomorphed by an alteration mineral) 0.1cm in size. Alignment of the phenocrysts and pyrite aggregates at 35°-45° to the core axis. Occasionally pyrite is concentrated in stringers (by remobilization?) isolating patches of the white host rock as at 28.23m. From 2% to 15% pyrite present but on average 5%. Euhedral to globular in form as disseminated single crystals (0.1cm size) or fine aggregates. The rock is probably a crystal tuff - refer to thin section TA 951 sampled at 42.80 metres.								
NX	47.24	2.74	2.74	46-47	TE 022	2.56 metres whole, rest broken.	18	15	110	0.1	800			
NX	50.29	3.05	3.05	47-48	TE 023	Whole core.	50	10	680	>0.1	800			
NX	53.44	3.15	3.10			Whole core.								
NX	56.59	3.15	3.07	55-56	TE 024	2.92 metres whole, rest broken.	8	140	38	0.3	800			
						47.12m to 48.54m Fine dark green dacite(?) with a faint foliation at 50° to the core axis. Carbonate veins are present, some elongate quartz bodies (up to 1cm x 0.2cm in size) are present. The lower contact of this lithology at 48.54m is inclined at 26° to core axis.								
NX	59.74	3.15	3.20			3.12 metres whole, rest broken.								
NX	60.35	0.61	0.38			0.16metres whole, rest broken.								
						48.54m to 59.80m The same lithology (tuff?) as from 0m to 47.12m but with an initial mottling of grey and yellowish white. Thereafter mottled dark and light grey. Layering in the rock has core nuclei ranging from 45° to 60°. Phenocrysts are scarce. Disseminated								

BUREAU NO. CP 3

TYPE Diamond Drill Hole

CO-ORDINATES

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DRILLER

COMPANY Longyear

FINAL DEPTH

CORE SIZE	DEPTH metres	DRILLED metres	RECOVERED metres	Depth metres	SAMPLE NO.	DESCRIPTION	ASSAY RESULTS				
							Cu	Pb	Zn	Ag	Ba
						pyrite as before in same concentrations. Black globules (0.1cm size) occur at 64m. Sericitisation has occurred, also shearing has foliated the rock. 59.89m to 60.04m Fine dark green foliated dacite. 60.04m to 64.54m Tuff(?) containing pyrite, as before with shear foliation. 64.54m to 64.71m Fine dark green foliated vesicular dacite with limonite infilled fractures at 45° to the core axis. Trace of disseminated euhedral pyrite less than 0.1cm in size. The rock has been foliated by shearing.					
NX	62.72	2.44	2.44	63-64	TE 025	2.14 metres whole, rest broken.	15	5	18	<0.1	600
NX	64.62	1.83	1.90	64-65	TE 026	1.60 metres whole, rest broken.	15	5	180	0.1	800
NX	65.45	1.83	1.62	69.49-		1.32 metres whole, rest broken.					
NX	69.49	3.04	2.44	70.63	TE 027	2.14 metres whole, rest broken.	110	< 5	1020	0.1	500
NX	70.41	0.22	0.92	70.63-71.5	TE 028	0.33 metres whole, rest broken.	12	< 5	730	0.1	400
						64.71m to 69.49m Pyritiferous tuff(?) as before, sericitised and foliated. 69.49m to 70.63m Dark green foliated dacite with upper contact at 24° to core axis, parallel to which are layers of vesicles (1cm = 0.2cm size). At 69.60m is a 1.0cm wide band of euhedral quartz crystals (core angle = 62°) containing 3 bodies of chalcopyrite, each 0.6cm across.					
NX	71.63	1.22	1.68	76.4-		1.0 metres whole, rest broken.					
NX	73.46	1.33	0.75	77.66	TE 029	0.60 metres whole, rest broken.	130	< 5	860	<0.1	400
NX	74.98	1.52	2.54	77.66-78.5	TE 030	2.0 metres whole, rest broken.	10	< 5	95	<0.1	300
						70.63m to 76.40m Pyritiferous tuff as above, schistosity (produced by shearing) inclined 60° to core axis, sericitised. TA 952 70.7m	10	< 5	12	<0.1	1200
NX	77.11	2.13	2.06	79.5-	TE 031	76.40m to 77.66m Dark green foliated dacite; some penetration by carbonate as pods. The rock itself is slightly calcareous.	12	< 5	32	0.1	800
						Upper contact core angle = 47°, lower contact core angle = 27°	80	< 5	870	<0.1	400
						77.66m to 80.24m Pyritiferous foliated tuff as before.					
						80.24m to 81.77m Calcareous dark green foliated dacite with some carbonate veins (0.5cm wide) at 30° to 40° to core axis. One such vein is truncated by the lower contact of this lithology suggestive of a fault contact. The rock is foliated by shearing upper contact core angle = 37°, lower contact core angle = 34°.	55	< 5	800	< 0.1	300
						81.77-83	12	< 5	25	<0.1	1000
						85-86	10	25	45	0.1	800
NX	80.16	3.05	3.05			2.75 metres whole, rest broken.					
NX	83.21	3.05	3.12			Whole core.					
NX	90.53	7.32	7.16			Whole core.					
NX	92.51	2.98	2.08			Whole core.					

HOLE NO. CP 3

TYPE Diamond Drill Hole

CO-ORDINATES

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DRILLER

COMPANY Longyear

FINAL DEPTH

CORE SIZE	DEPTH metres	DRILLED metres	RECOVERED metres	CORE Depth metres	SAMPLE NO.	DESCRIPTION	ASSAY RESULTS				
							Cu	Pb	Zn	Ag	Sa
NX	95.61	3.10	3.07	95-96	TE 037	Whole core.	8	90	410	0.3	800
NX	98.76	3.15	3.12			Whole core.					
NX	101.80	3.04	3.11			2.05 metres whole, rest broken.					
NX	105.00	3.20	3.11			Whole core.					
NX	108.10	3.10	3.06			Whole core.					
						81.77m to 126.50m Foliated sericitised pyritiferous tuff(?) at 82.80m the foliation is inclined at 55° to core axis at 84.85m " " " " " 25° " " " with slickensides pitching 25° from strike. at 91.60m the foliation has core angle of 40° at 100.90m " " " " " 65°					
				105-106	TE 038	at 100.90m heavily slickensided surface with core angle of 30°, slickensides pitch 37° from strike. From 100.90m to 104.04m the foliation core angle is 55° to 65°. Phenocrysts are visible again from 90.53m to 98.76m. At 126.50m the contact with dark green dacite below has core angle = 52°. 126.50m to 130.33m Foliated dark green dacite with elongate mafic bodies aligned parallel to the lithology's upper contact (core angle 52°).	8	8	18	0.3	500
NX	111.25	3.15	3.07			Whole core.					
NX	114.30	3.05	3.05			Whole core.					
NX	117.04	2.74	2.94	115-116	TE 039	2.84 metres whole, rest broken.	8	10	22	0.1	400
NX	120.09	3.05	3.12			3.02 metres whole, rest broken.					
NX	123.14	3.05	3.12			Whole core.					
NX	126.34	3.20	3.10	125-126	TE 040	2.95 metres whole, rest broken.	8	< 5	12	< 0.1	800
NX	128.93	2.59	2.52	127-128	TE 041	1.80 metres whole, rest broken.	45	5	800	< 0.1	400
NX	130.76	1.83	1.78			1.17 metres whole, rest broken. 130.33m to 130.66m Grey foliated sericitised pyritiferous tuff as before. 130.66m to 131.89m Dark green dacite foliated by shear as is the tuff.					
				135-136	TE 042	At 131.26m the foliation has core angle of 57° with dip slip slickensides. 131.89m to 132.22m Grey foliated sericitised pyritiferous tuff as before.	10	< 5	20	< 0.1	1200
NX	132.89	2.13	1.93			Whole core.					
NX	135.94	3.05	3.06			Whole core.					
NX	137.36	1.42	1.50			1.43 metres whole, rest broken. 132.22m to 132.22m Foliated dark green dacite. 132.22m to 162.92m Grey foliated sericitised pyritiferous tuff as before. Core angle of foliation is 65° at 133.29m. The latter half of this section is slightly coarser in grain size.					

BOREHOLE NO CP 3

TYPE Diamond Drill Hole

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DRILLER

COMPANY Longyear

FINAL DEPTH

CORE SIZE	DEPTH metres	DRILLED metres	RECOVERED metres	Depth metres	SAMPLE NO.	DESCRIPTION	ASSAY RESULTS				
							Cu	Pb	Zn	Ag	Ba
						rock is finely sheared with foliation core angle of 50° at 189.90m. Some fine particles of chalcopyrite(?) occur on a slickensided surface. Core angle of lower contact = 46°.	90	5	580	< 0.1	< 50
BX	188.98	4.27	1.30	189.5-190.36	TE 053						
BX	191.17	2.13	1.88			1.28 metres whole, rest broken. 192.36m to 192.05m Grey sericitised foliated pyritiferous tuff, which is initially quite coarse. The foliation core angle at 195.1m is 55°. 1-2% pyrite present in disseminated form. 192.05m Fault zone inclined at 45° to core axis, refilled with quartz, coarse pyrite and fine pyrrhotite(?) along fractures.					
BX	193.85	2.74	2.79	198-199	TE 054	Whole core.	38	22	60	0.1	1000
BX	196.90	3.05	3.10	199-200	TE 055	Whole core.	60	< 5	520	< 0.1	< 50
BX	199.95	3.95	3.07	200-201	TE 056	Whole core. 199.05m to 200.2m Fine dark green foliated dacite containing less than 1% pyrite and quartz carbonate veinlets. The upper contact is a shear inclined at 56° to the core axis. 200.2m to 211.46m Grey foliated sericitised pyritiferous tuff containing, on average, 5% pyrite. The tuff is coarse from 684.3m to 211.46m. At 211.46m the lower contact is a shear with core angle of 66°. 211.46m to 212.15m Fine dark green dacite which is faintly foliated and contains less than 1% pyrite. The lower contact is inclined at 25° to core axis. 212.15m to 222.00m Grey foliated sericitised pyritiferous coarse tuff. Pyrite content = 1-4%.	18	5	120	0.1	300
				210-211	TE 057		25	18	18	0.1	800
				211-212	TE 058		15	12	360	0.1	300
				220-221	TE 059	foliation core angle varies from 60° to 90°. At 220.7m is a 10cm band of 50% pyrite inclined at 65° to the core axis. From 227.0m to 233.0m is heavy tuff breccia with interfragmental coarse pyrite (50%).	12	10	18	0.1	600
BX	202.39	2.44	2.38			Whole core.					
BX	205.44	3.05	3.08			Whole core.					
BX	208.64	3.20	3.05			Whole core.					
BX	211.84	3.20	2.83			2.70 metres whole, rest broken.					
BX	214.88	3.04	3.05			Whole core.					
BX	217.93	3.05	3.15			3.10 metres whole, rest broken.					
BX	220.99	3.05	3.20			Whole core.					
BX	224.03	3.05	3.50			Whole core.					
BX	227.08	3.05	3.05	226-227	TE 060	Whole core. 223m to 223.36m Fine dark grey igneous rock(?) cut by numerous slickensided shear surfaces at high core angles up to 90°.	22	5	12	0.1	400
				227-228	TE 061		15	8	18	0.1	400
BX	230.43	3.35	3.12	228-229	TE 062	3m whole, rest broken. 231.26m to 234.75m Grey foliated sericitised pyritiferous tuff as before which is cut by a wughy milky quartz vein. The vein is coated with a 0.1cm thick layer of light green mica.	15	12	30	0.1	400
				229-230	TE 063		15	10	12	0.1	600
				230-231	TE 064		12	8	12	0.1	400

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DRILLER

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FINAL DEPTH

CORE SIZE	DEPTH metres	DRILLED metres	RECOVERED metres	Depth mangues	SAMPLE NO.	DESCRIPTION	ASSAY RESULTS				
							Cu	Pb	Zn	Ag	Ba
BX	233.48	3.05	3.09	231-232	TE 065	2.79 metres whole, rest broken.	15	8	15	0.1	300
EX	236.22	2.74	2.59	232-233	TE 066	1.38 metres whole, rest broken.	45	10	95	0.1	300
BX	239.57	3.35	3.37	233-234	TE 067	3.17 metres whole, rest broken. 234.75m to 236.22m Fine grey igneous rock(?) cut by slickensided surfaces, the lower contact is a shear with a core angle of 10°. Less than 1% pyrite present.	12	5	300	0.1	200
				240-241	TE 068	236.22m to 251.76m Grey foliated sericitised pyritiferous tuff but slightly finer than the tuffa since 212.15m. Pyrite content is 3% to 6%. The foliation is inclined at 65°-70° to core axis. 251.76m to 254.81m Light grey silicified crystal tuff with white phenocrysts and/or barite inclusions (0.3cm size). The groundmass is siliceous without a foliation. Whole core.	8	< 5	8	0.1	400
BX	242.62	3.05	1.73								
BX	245.67	3.05	3.68								
BX	248.72	3.05	3.10	250-251	TE 069	Whole core. 254.81m to 265.6m Grey silicified vuggy tuff lacking a foliation. Numerous irregularly shaped vughs (0.5cm to 2cm across) coated by quartz and barite? (unreactive HCl acid) or completely filled by these minerals. A trace of galena occurs in a vugh at 257.90m. Light and dark layers inclined at 65° to core axis. Up to 6% pyrite present.	15	8	210	0.3	2000
				251-251.76	TE 070		25	18	200	0.5	1000
				251.76-253	TE 071		25	260	2700	1.0	800
				253-254	TE 072		28	100	1650	1.0	1000
				254-254.81	TE 073		15	440	570	0.5	800
BX	251.76	3.04	3.04	254-254.81		Whole core.					
BX	254.81	3.05	1.22	256	TE 074	1.66 metres whole, rest broken.	12	300	1000	0.3	400
BX	257.86	3.05	3.20	256-257	TE 075	2.20 metres whole, rest broken.	8	390	1000	0.5	1000
BX	259.69	1.87	1.95	257-258	TE 076	Whole core.	5	450	1230	0.5	500
BX	262.74	3.05	3.10	258-259	TE 077	Whole core.	5	370	1450	0.5	800
BX	265.79	3.05	3.16	259-260	TE 078	Whole core. From 259.60m to 265.6m The vughs are not common.	18	1850	4450	1.0	500
				260-261	TE 079	From 261.26m to 261.56m The pyrite looks darker than usual (stained?) and is similar to chalcopyrite or a thin coating of sphalerite?	18	550	820	0.3	400
				261-262	TE 080		22	800	2250	1.0	500
				262-263	TE 081	265.6m to 268.8m Grey sericitised foliated pyritiferous tuff which is not silicified as in previous section. 4% pyrite present and a trace of pyrrhotite. At 266.2m the foliation core angle is 35°.	12	58	42	0.3	500
				263-264	TE 082		8	110	120	0.3	800
				264-265	TE 083		10	150	190	0.3	500
BX	268.83	3.04	3.00	265-266	TE 084	2.94 metres whole, rest broken.	8	120	410	0.1	600
BX	271.88	3.05	3.08	266-267	TE 085	Whole core. 268.8m to 270.3m Lapilli tuff, medium grained tuff and agglomerate mottled greyish green in dark and light shades, and also pink, which represent relict fragments. No foliation, some chloritisation. A faint layering is sometimes visible at between 50° and 90° to core axis. Up to 3% pyrite present. At 271.83m is a 0.35m wide band of fine dark green dacite (could possibly be a tuff deposited under water) with fine layering inclined at 57° to core axis;	15	290	230	0.5	500
				267-268	TE 086		18	190	65	0.3	500
				268-269	TE 087		15	58	55	0.1	600
				269-270	TE 088		10	28	85	0.1	600
				280-281	TE 089		10	10	70	0.1	500

BOREHOLE No. CP 3

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CO-ORDINATES

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DRILLER Longyear

COMPANY

FINAL DEPTH

CORE SIZE	DEPTH metres	DRILLED metres	RECOVERED metres	DEPTH metres	SAMPLE NO.	DESCRIPTION	ASSAY RESULTS				
							Cu	Pb	Zn	Ag	Fe
						The upper contact core angle = 67°, the lower contact core angle = 32°. A trace of chalcopyrite and galena occurs in a quartz vein (core angle = 14°) at 306.5m. Up to 1% pyrrhotite occurs between					
BX	274.03	3.05	3.07			291.0m and 303.0m.					
BX	277.98	3.05	3.12			Whole core.					
BX	281.10	3.12	3.17			Whole core.					
BX	284.23	3.13	3.10			Whole core.					
BX	287.27	3.04	3.16			Whole core.					
BX	290.40	3.13	3.14			Whole core.					
BX	293.52	3.12	3.15	290-291	TE 090	Whole core.	8	45	160	0.1	500
BX	296.57	3.05	3.13			Whole core.					
BX	299.77	3.20	3.13			Whole core.					
BX	302.97	3.20	2.91	300-301	TE 091	Whole core.	10	20	160	0.1	1200
BX	306.02	3.05	3.09			Whole core.					
BX	309.22	3.20	3.13			Whole core.					
BX	312.42	3.20	3.11	310-311	TE 092	Whole core.	70	750	1200	0.3	600
BX	315.16	2.74	2.84			Whole core.					
BX	318.29	3.13	3.15			Whole core.					
BX	321.41	3.12	3.12	320-321	TE 093	Whole core.	8	12	90	< 0.1	500
BX	324.61	3.20	3.08			Whole core.					
BX	327.66	3.05	3.02			Whole core.					
BX	330.71	3.05	3.04	330-331	TE 094	2.90 metres whole, rest broken.	5	5	80	< 0.1	800
BX	333.76	3.05	3.01			Whole core.					
BX	336.80	3.04	3.01			Whole core.					
BX	339.85	3.05	3.02			Whole core.					
BX	342.90	3.05	3.09	340-341	TE 095	Whole core.	8	180	600	0.1	1500
BX	345.95	3.05	3.18	348-	TE 096	Whole core.	28	18	85	0.1	600
BX	349.00	3.05	2.30	349.3		Whole core.					
BX	352.04	3.04	3.79	350	TE 097	3.69 metres whole, rest broken. 349.3m to 350.96m Dark grey-green	22	12	80	0.1	1000
				350-351	TE 098	crystal tuff containing chlorite and carbonate veins. Between 350.06m	15	< 5	100	0.1	800
				351-352	TE 099	and 350.96m is a coarse quartz carbonate vein at 10° to core axis	8	10	75	0.1	800
						containing 0.1cm sized particle of hornite. Veins of chlorite and carbonate (2cm wide) have core angle of 27°. Bodies of carbonate occur throughout. Rounded quartz crystals up to 1cm across are present in the tuff. A trace of pyrite occurs along fractures associated with chlorite. 350.96m to 420.1m Agglomerates and lapilli tuffs. Mottled					
						in shades of gray, green & brown. The component fragments are dark grey-green to pink brown with mafic spots (0.5cm). The					

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FINAL DEPTH

CORE SIZE	DEPTH metres	DRILLED FEET metres	RECOVERED FEET metres	Depth MARKS	SAMPLE NO.	DESCRIPTION	ASSAY RESULTS				
							Cu	Pb	Zn	Ag	Ba
						fragments range up to 6.0cm in size. Negligible pyrite is present. Occasional random chlorite veins occur. White crystals (up to 0.4cm size) occur, sporadically in concentration lending a porphyritic texture to the rock at times. Occasionally the rock is entirely dark grey-green.					
BX	355.09	3.05	3.07			Whole core.					
BX	358.14	3.05	3.01			Whole core.					
BX	360.58	2.44	2.31	360-361	TE 100	1.95 metres whole, rest broken.	8	5	80	0.1	800
BX	363.63	3.05	3.09			Whole core.					
BX	366.67	3.04	3.05			Whole core.					
BX	369.72	3.05	3.05	370-371	TE 101	Whole core.	45	8	120	0.1	800
BX	372.85	3.13	3.12			Whole core.					
BX	375.97	3.12	3.20			2.80 metres whole, rest broken.					
BX	378.87	2.90	3.03			2.90 metres whole, rest broken.					
BX	381.91	3.04	3.12	380-381	TE 102	3.0 metres whole, rest broken.	15	12	80	0.1	600
BX	384.96	3.05	3.15			Whole core.					
BX	388.01	3.05	2.95			Whole core.					
BX	391.05	3.05	3.00	390-391	TE 103	Whole core.	8	8	90	0.1	800
BX	394.11	3.05	3.05			Whole core.					
BX	397.15	3.04	3.00			Whole core.					
BX	400.20	3.05	3.14			Whole core.					
BX	403.25	3.05	3.05	400-401	TE 104	Whole core.	12	5	95	0.1	1000
BX	406.30	3.05	3.00			Whole core.					
BX	409.35	3.05	3.10			Whole core.					
BX	411.78	2.43	2.46	410-411	TE 105	1.56 metres whole, rest broken.	10	15	130	0.1	1500
BX	414.53	2.75	2.72			Whole core.					
BX	416.36	1.83	1.73			Whole core.					
BX	419.40	3.04	2.62	419-420	TE 106	2.52 metres whole, rest broken.	15	8	110	0.1	800
BX	422.45	3.05	2.83	420-421	TE 107	2.13 metres whole, rest broken.	260	18	250	0.1	500
BX	425.50	3.05	3.06			Whole core.					
BX	427.94	2.44	2.57			Whole core. 420.1m to 421m Fine dark green partially bleached dacite, lower contact core angle = 50°. 421m to 462.1m Fine dark grey-green to pale pink quartz-feldspar crystal tuff, containing white feldspars and, less abundantly, quartz. Occasional veins of quartz occur; chlorite veins are inclined at 30° to the core axis. A 1cm bleb of sphalerite(?) occurs in a quartz infilling. From 436.80m to 440.40m is agglomerate of grey fragments in dark green groundmass. Between					

PORTLAND CP 3

TYPE Diamond Drill Hole

CO-ORDINATES

INCLINATION

DIRECTION

DATE
STARTDATE
FINISH

DRILLER

COMPANY Longyear

FINAL DEPTH

CORE SIZE	DEPTH metres	DRILLED metres	RECOVERED metres	CORE DEPTH ANGLE NOTES	SAMPLE NO.	DESCRIPTION	Cu	Pb	ASSAY RESULTS		
									Zn	Ag	Mo
						458.11m to 460.3m is from 2' to 6% pyrrhotite in fissures (on average 3%). 468.1m to 507.1m Anglomerate and lapilli tuff. Groundmass or pink-brown in a dark grey groundmass. The rock is barren of mineralization and appears porphyritic in places with white feldspar megacrysts. Quartz crystals are also present.					
BX	431.14	3.20	3.05	430-431	TE 108	0.15 metres whole, rest broken.	12	12	65	0.1	600
BX	434.26	3.12	3.11			3.05 metres whole, rest broken.					
BX	437.32	3.13	3.20			2.79 metres whole, rest broken.					
BX	440.44	3.05	3.09	440-441	TE 109	2.99 metres whole, rest broken.	8	15	120	0.1	600
BX	443.45	3.01	3.03			2.79 metres whole, rest broken.					
BX	446.53	3.03	2.94			2.79 metres whole, rest broken.					
BX	449.26	1.33	1.30			1.39 metres whole, rest broken.					
BX	450.49	2.13	2.20	450-451	TE 110	1.59 metres whole, rest broken.	15	22	110	0.3	600
BX	452.93	2.44	2.36			2.36 metres whole, rest broken.					
BX	455.08	2.75	2.13	457-458	TE 111	1.80 metres whole, rest broken.	20	510	1700	0.5	600
BX	458.11	2.43	3.23	458-459	TE 112	2.73 metres whole, rest broken.	15	320	210	0.3	800
BX	461.37	3.36	3.14	459-460	TE 113	2.74 metres whole, rest broken.	22	700	550	1.0	300
BX	464.36	2.99	3.18	460-461	TE 114	Whole core.	28	500	1200	0.5	800
BX	467.49	3.13	3.07	461-462	TE 115	Whole core.	42	50	180	0.1	600
BX	470.61	3.12	3.13	462-463	TE 116	Whole core.	10	8	90	0.1	600
BX	473.66	3.05	2.38	470-471	TE 117	Whole core.	8	20	210	0.1	800
BX	476.86	3.20	3.76			Whole core.					
BX	479.91	3.05	3.09			Whole core.					
BX	482.96	3.05	3.08	480-481	TE 118	Whole core.	8	20	90	0.5	800
BX	486.16	3.20	3.12			Whole core.					
BX	489.05	2.89	3.04			Whole core.					
BX	492.05	3.00	3.16	490-491	TE 119	Whole core.	15	70	410	0.1	800
BX	495.22	3.17	3.12			3 metres whole, rest broken.					
BX	498.33	3.13	3.16	500-501	TE 120	Whole core.	12	30	210	0.1	800
BX	501.40	3.05	3.07	507-508	TE 121	Whole core.	8	38	370	0.3	400
BX	504.54	3.04	3.02	508-509	TE 122	Whole core.	8	25	250	0.1	1500
BX	507.49	3.05	3.05	509-510	TE 123	2.80 metres whole, rest broken.	22	18	310	0.3	1500
BX	510.54	3.05	2.93	510-511	TE 124	Whole core.	8	12	120	< 0.1	1000
BX	516.79	6.25	6.17	511-512	TE 125	5.96 metres whole, rest broken.	10	70	310	0.3	2000
BX	519.99	3.20	3.03	512-513	TE 126	2.90 metres whole, rest broken.	12	100	270	1.0	1500
BX	523.04	3.05	3.04	513-514	TE 127	2.94 metres whole, rest broken.	15	30	290	0.5	1000
BX	526.03	3.04	3.03	514-515	TE 128	Whole core.	100	22	400	0.3	800

HOLE NO CP 3

TYPE Diamond Drill Hole

CO-ORDINATES

INCLINATION

DIRECTION

DATE START

DATE FINISH

DRILLER

COMPANY Longyear

FINAL DEPTH

CORE SIZE	DEPTH metres	DRILLED metres	RECOVERED metres	Depth metres	SAMPLE NO.	DESCRIPTION	ASSAY RESULTS				
							Cu	Pb	Zn	Ag	Ba
				515-	TE 129	507.1m to 521.00m Fine light yellow-green to dark green tuff containing negligible pyrite until 516.3m after which there is	85	110	530	5.0	2000
				515.5-							
				515.87	TE 130	2% very fine pyrite. From 516.50m to 519.45m is lead-zinc	22	270	5500	8.0	800
				516.5-	TA 955	mineralization: 516.42m to 516.80m 23% sulphides (Galena 90%, pyrite 10%).	0.007%	0.16%	1.37%	12.0	0.28%
				517.5-	TA 956	GRADE WAS 516.8m to 517m 20% sulphides, (Galena 80%, sphalerite 5%, pyrite 15%).	0.019%	6.20%	34.00%	80.0	10.1%
				518.9-	TA 957	BY VISUAL 517m to 517.3m 10% sulphides (galena 90%, pyrite 7%, sphalerite 3%).	0.003%	0.31%	0.12%	6.0	0.28%
				520-	TA 958	517.3m to 517.5m 10% sulphides (galena 55%, sphalerite 45%, chalcocpyrite trace)	12	12	470	0.3	400
				521-522	TE 132	517.5m to 518.9m 70-80% sulphides (galena 25%, sphalerite 75%).	15	60	290	0.3	1000
				522-523	TE 133	Whole core. 518.9m to 519.42m 1% galena and sphalerite.	10	32	1200	0.1	800
BX	529.15	3.05	3.12	525-526	TE 136	2.9 metres whole, rest broken.	35	35	2250	0.3	800
BX	532.18	3.05	3.1	526-527	TE 137	Whole core.	95	170	2200	0.3	1000
BX	535.23	3.05	3.12	527-528	TE 138	5.4 metres whole, rest broken.	12	22	600	3.0	1000
BX	541.02	5.79	5.82	528-529	TE 139	Whole core.	10	20	300	<0.1	1500
BX	544.07	3.05	3.20	529-530	TE 140	521m to 525m Light green tuff with numerous irregularly shaped inclusions of yellowish white barite (usually 1cm size). Trace sphalerite and galena. 525m to 546.2m Light yellowish green crystal tuff with pale yellowish-white phenocrysts (up to 0.2cm size). Occasional pods and veins of barite are present and a trace of sphalerite. At 545.4m is a 3cm quartz band containing 30% sphalerite and 30% galena, inclined at 40° to core axis. Pods and veins of barite(?) are occasionally present.	38	38	590	0.3	1500
				530-531	TE 141		20	10	130	0.3	600
				531-532	TE 142		15	85	900	0.3	600
				532-533	TE 143		12	30	700	0.3	1000
				533-534	TE 144		12	8	90	0.1	800
				534-535	TE 145		22	18	95	0.5	600
				535-536	TE 146		10	18	400	0.3	400
				536-537	TE 147		10	58	230	0.1	800
BX	547.42	3.35	3.08	538-539	TE 149	Whole core.	15	12	600	0.1	800
BX	550.47	3.05	3.06	539-540	TE 150	Whole core.	15	15	330	0.1	2200
BX	553.52	3.05	3.05	540-541	TE 151	Whole core.	15	10	85	0.1	800
BX	556.56	3.04	3.14	541-542	TE 152	Whole core.	15	25	120	0.1	1000
BX	559.61	3.05	3.13	542-543	TE 153	Whole core.	15	20	100	0.1	1200
BX	562.66	3.05	3.00	543-544	TE 154	2.95 metres whole, rest broken.	30	22	650	<0.1	1500
BX	565.71	3.05	2.95	544-545	TE 155	Whole core.	30	10	140	0.1	1000
BX	568.76	3.05	3.15	545-546	TE 156	Whole core.	60	30	9200	0.3	1000
BX	571.80	3.04	3.08	546-547	TE 157	Whole core.	10	10	100	0.1	600
BX	574.85	3.05	3.12	550-551	TE 158	Whole core.	12	140	500	0.3	500
BX	577.90	3.05	3.04	560-561	TE 159	Whole core.	12	5	60	0.1	500

BOREHOLE NO. CP 3

TYPE Diamond Drill Hole

COORDINATES

INCLINATION

DIRECTION

DATE START

DATE FINISH

DRILLER

COMPANY Longyear

FINAL DEPTH

CORE SIZE	DEPTH METRES	DRILLED METRES	RECOVERED METRES	Depth RANGES	SAMPLE NO.	DESCRIPTION	Cu	Fe	ASSAY RESULTS		
									Ag	As	Ba
BX	580.95	3.05	3.05	570-571	TE 160	Whole core.	28	35	220	0.1	600
BX	584.00	3.05	3.00	580-581	TE 161	Whole core.	10	10	40	0.1	800
BX	587.00	3.00	3.01			Whole core.					
BX	590.09	3.09	2.94	590-591	TE 162	Whole core.	15	18	100	<0.1	800
BX	593.14	3.05	3.14			Whole core.					
BX	596.19	3.05	2.87			Whole core.					
BX	599.24	3.05	3.16			Whole core.					
BX	601.89	2.59	2.67	600-601	TE 163	Whole core.	60	15	60	0.1	400
BX	602.90	1.07	0.96			0.9 metres whole, rest broken.					
						546.2m to 602.9m Dark green tuff, lapilli tuff and agglomerate containing very indistinct porphyritic component fragments which are discerned most easily by a clustering of phenocrysts. The fragments are slightly lighter in colour than the dark green groundmass. Trace of pyrite present.					
						<u>END OF HOLE</u>					

012

COMSTAFF PROPRIETARY LIMITED

CHESTER METRIC GRID - E.L.5/63

640013

SUMMARY OF DIAMOND DRILL HOLE CP 3

1. ROCK INTERSECTIONS

0.0m to 47.12m	Grey crystal tuff containing 5% pyrite.
47.12m to 48.54m	Fine dark green dacite foliated by shear.
48.54m to 59.59m	Grey sericitised foliated pyritiferous tuff.
59.59m to 60.04m	Fine dark green foliated dacite.
60.04m to 64.54m	Tuff.
64.54m to 64.71m	Dacite.
64.71m to 69.49m	Tuff.
69.49m to 70.63m	Dacite.
70.63m to 76.40m	Tuff.
76.40m to 77.66m	Dacite.
77.66m to 80.24m	Tuff.
80.24m to 81.77m	Dacite.
81.77m to 126.50m	Tuff.
126.50m to 130.33m	Dacite.
130.33m to 130.66m	Tuff.
130.66m to 131.89m	Dacite.
131.89m to 132.22m	Tuff.
132.22m to 133.23m	Dacite.
133.23m to 162.92m	Tuff.
162.92m to 163.67m	Fine dark grey rock, lacking shear foliation.
163.67m to 178.16m	Tuff. (Fault at 177.85m to 178.16m)
178.16m to 179.11m	Dacite.
179.11m to 180.20m	Tuff. Chloritised.
180.20m to 180.37m	Dacite - no shear foliation.
180.37m to 187.33m	Tuff.
187.33m to 190.36m	Dacite.
190.36m to 199.05m	Tuff.
199.05m to 200.20m	Dacite.
200.20m to 211.46m	Tuff.
211.46m to 212.15m	Dacite.
212.15m to 227.00m	Tuff.
227.00m to 233.00m	Tuff breccia.
233.00m to 233.36m	Fine dark grey rock.
233.36m to 234.75m	Tuff.
234.75m to 236.22m	Fine grey rock.
236.22m to 251.76m	Tuff.
251.76m to 254.81m	Unfoliated grey porphyry.
254.81m to 265.60m	Tuff; silicified, vuggy, no foliation.
265.60m to 268.60m	Tuff.
268.60m to 349.30m	Tuffs, lapilli tuffs and agglomerates.
349.30m to 350.96m	Dark grey-green crystal tuff.
350.96m to 420.10m	Lapilli tuffs and agglomerates.
420.10m to 421.00m	Unfoliated dacite.
421.00m to 462.10m	Dark grey green to pink crystal tuff.
462.10m to 507.10m	Lapilli tuffs and agglomerates.
507.10m to 521.00m	Light yellow-green to dark green tuff, mineralized (galena, sphalerite) between 516.52m and 519.43m.
521.00m to 525.00m	Light green tuff with barite(?) inclusions.
525.00m to 546.20m	Light yellow green crystal tuff - some lead-zinc at 545.40m.
546.20m to 602.90m	Dark green lapilli tuffs and agglomerates.

END OF HOLE.

2. INDICATED VALUES OF ORE

At 5% zinc cut off 516.50m to 518.90m	22.33% Zn; 5.24% Pb; 65.4 ppm Ag; 8.77% Ba; 0.086% Cu x 2.4m D.T.
At 1% zinc cut off 515.87m to 518.90m	17.97% Zn; 4.18% Pb; 54.3 ppm Ag; 7.02% Ba; 0.070% Cu x 3.03m D.T.
At 0.1% zinc cut off 515.50m to 520.00m	12.17% Zn; 2.90% Pb; 38.7 ppm Ag; 4.80% Ba; 0.050% Cu x 4.5m D.T.
251.76m to 262.00m	0.17% Zn; 0.05% Pb; 0.7 ppm Ag; 0.07% Ba; 0.002% Cu x 10.24m D.T.

<u>SPECIFIC GRAVITY</u>	Ore 516.50m to 518.90m	3.64
	Country rocks	2.88

SUMMARY OF DIAMOND DRILL HOLE - CP3 (continued)

640014

3. CORE RECOVERY

	<u>1$\frac{1}{2}$ out off</u>	<u>Overall</u>
Metres drilled	515.87 to 518.9	0 to 602.9m
Metres recovered	94.68%	584.22
Percentage recovery	94.68%	96.90%

4. WATER TABLE not recorded - lost water.

CASING LEFT IN HOLE None.

BOREHOLE SURVEYS USING EASTMAN MULTISHOT BOREHOLE CAMERA AND ACID READINGS

	<u>Borehole Depth</u>		<u>Inclination</u>	<u>Direction</u>
	Feet	Metres		
	50	15.2	44 $\frac{1}{2}$	E 10 ^N at surface
	100	30.5	38 $\frac{1}{2}$	
Acid survey	150	45.7	34	
corrected	200	70.0	31 $\frac{1}{2}$	
for	250	76.2	24 $\frac{1}{2}$	
capillarity	300	91.4	24	
	350	106.7	21	Unable to determine direction
	330	100.6	24	
	450	137.2	18 $\frac{1}{2}$	
Eastman	570	173.74	17	
	690	210.31	14	
	810	246.89	14	
	930	283.46	13 $\frac{1}{2}$	
	1050	320.04	12	E 4 ^S mag.
	1125	342.90	9	
	1225	373.38	8	
	1325	403.86	8	
	1425	434.34	8	Unable to determine direction.
	1520	463.29	7 $\frac{1}{2}$	
	1620	493.78	5	
Acid survey	1700	518.16	5	
as above,	1800	548.64	3 $\frac{1}{2}$	
Eastman (1978	602.9	0	In south-east quadrant.

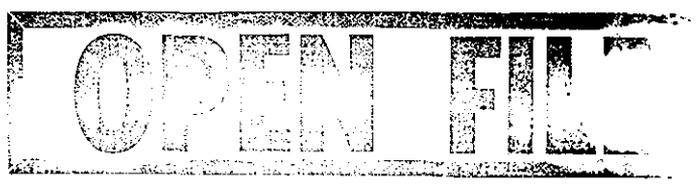
014

640015 75-1084

aac

PROJECT NAME: COMSTAFF PROPRIETARY LIMITED

TITLE: DRILL LOG CP 4



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

CHESTER SK-55/3 MCG 4.ON 7.01E

COMMODITY/IES: Cu, Pb, Zn

TEXT PAGES NO:

PLAN NOS:

TABLE NOS:

APPENDICES:

AUTHOR/S: R.N. Smith

DATE: April 1975

AUSTRALIAN ANGLO AMERICAN LIMITED

Incorporated in the State of Victoria

AUSTRALIAN ANGLO AMERICAN LIMITED

640016

015

PROJECT: E.L. 5/63 CHESTER METRIC GRID

BOREHOLE No. CP4

TYPE Diamond Drill Hole

CO-ORDINATES 4.ON 7.01E

INCLINATION 50°

DIRECTION 258° Mag.

DATE START

DATE FINISH 10/6/74

DRILLER

COMPANY Longyear Aust. Pty. Ltd. FINAL DEPTH 199.95 m

CORE SIZE	DEPTH	DRILLED METRES	RECOVERED METRES	SAMPLE NO. AND DEPTH	DESCRIPTION	ASSAY RESULTS
BQ	47.58	3.05	3.02		2.72 m whole core, remainder broken.	
	50.63	3.05	2.91		2.44 m " " " "	
	53.68	3.05	3.05		3.05 m " "	
	56.73	3.05	2.88		2.48 m " " " "	
	59.78	3.05	3.11		2.90 m " " " "	
	62.83	3.05	3.12		3.07 m " " " "	
	65.88	3.05	2.89		2.85 m " " " "	
	68.93	3.05	3.07		3.07 m " " " "	
	71.98	3.05	3.01		3.01 m " " " "	
	75.03	3.05	3.12		3.12 m " " " "	
	78.08	3.05	3.10		2.95 m " " " "	
	81.13	3.05	3.01		2.95 m " " " "	
	84.18	3.05	3.05		2.85 m " " " "	
	87.23	3.05	2.88		2.84 m " " " "	
					51.00 m to 93.50 m Fine vitric-crystal-lithic(?) tuff which in colour is mottled dark green and brown. The brown colouration is probably due to localised haematization (unreactive to staining for potash). Crystals and bedding are vaguely distinguished; quartz crystals up to 3 mm across and susceptible to haematization along internal fractures are present, and layering is inclined at core angles of 55° - 65°. Sporadic hairline shearing concordant to the layering and defined by a fine yellow alteration mineral deposited in the shears. No mineralization is present apart from a trace of disseminated pyrite (cubes less than 1 mm size).	
BQ	90.28	3.05	3.05		3.05 m whole core	
	93.33	3.05	3.04		3.04 m " " " , remainder broken.	
	96.32	2.99	3.00		2.95 m " " " "	
	99.36	3.04	3.03		2.90 m " " " "	
	102.41	5.05	3.08		3.08 m " " " "	
	105.46	3.05	2.99		2.99 m " " " "	
	108.51	3.05	3.14		3.14 m " " " "	
	111.56	3.05	2.97		2.97 m " " " "	
	114.60	3.04	2.96		2.96 m " " " "	
					93.50 m to 94.58 m Vitric crystal tuff or ?agglomerate similar to previous lithology but phenocrysts rather than being evenly distributed are more common in localised patches. These patches	

AUSTRALIAN ANGLO AMERICAN LIMITED

640017

016

PROJECT: E.L. 5/63 CHESTER METRIC GRID

BOREHOLE No. CP4

TYPE Diamond Drill Hole

CO-ORDINATES 4.0N 7.01E

INCLINATION 50°

DIRECTION 258° Mag.

DATE START

DATE FINISH 10/6/74

DRILLER

COMPANY Longyear Aust. Pty. Ltd. FINAL DEPTH 199.95 m

CORE SIZE	DEPTH	DRILLED METRES	RECOVERED METRES	SAMPLE NO. AND DEPTH	DESCRIPTION	ASSAY RESULTS			
BQ	47.58	3.05	3.02		2.72 m whole core, remainder broken.				
	50.63	3.05	2.91		2.44 m " " " "				
	53.68	3.05	3.05		3.05 m " "				
	56.73	3.05	2.88		2.48 m " " " "				
	59.78	3.05	3.11		2.90 m " " " "				
	62.83	3.05	3.12		3.07 m " " " "				
	65.88	3.05	2.89		2.85 m " " " "				
	68.93	3.05	3.07		3.07 m " " " "				
	71.98	3.05	3.01		3.01 m " " " "				
	75.03	3.05	3.12		3.12 m " " " "				
	78.08	3.05	3.10		2.95 m " " " "				
	81.13	3.05	3.01		2.95 m " " " "				
	84.18	3.05	3.05		2.85 m " " " "				
	87.23	3.05	2.88		2.84 m " " " "				
					51.00 m to 93.50 m Fine vitric-crystal-lithic(?) tuff which in colour is mottled dark green and brown. The brown colouration is probably due to localised haematization (unreactive to staining for potash). Crystals and bedding are vaguely distinguished; quartz crystals up to 3 mm across and susceptible to haematization along internal fractures are present, and layering is inclined at core angles of 55° - 65°. Sporadic hairline shearing concordant to the layering and defined by a fine yellow alteration mineral deposited in the shears. No mineralization is present apart from a trace of disseminated pyrite (cubes less than 1 mm size).				
BQ	90.28	3.05	3.05		3.05 m whole core				
	93.33	3.05	3.04		3.04 m " " , remainder broken.				
	96.32	2.99	3.00		2.95 m " " " "				
	99.36	3.04	3.03		2.90 m " " " "				
	102.41	3.05	3.08		3.08 m " " " "				
	105.46	3.05	2.99		2.99 m " " " "				
	108.51	3.05	3.14		3.14 m " " " "				
	111.56	3.05	2.97		2.97 m " " " "				
	114.60	3.04	2.96		2.96 m " " " "				
					93.50 m to 94.58 m Vitric crystal tuff or ?agglomerate similar to previous lithology but phenocrysts rather than being evenly distributed are more common in localised patches. These patches				

AUSTRALIAN ANGLO AMERICAN LIMITED

640018

017

PROJECT: E.L. 5/63 CHESTER METRIC GRID

BOREHOLE No. CP4

TYPE Diamond Drill Hole

CO-ORDINATES 4.ON 7.01E

INCLINATION 50°

DIRECTION 258° Mag.

DATE START

DATE FINISH 10/6/74

DRILLER

COMPANY Longyear Aust. Pty. Ltd. FINAL DEPTH 199.95 m

CORE SIZE	DEPTH	DRILLED METRES	RECOVERED METRES	SAMPLE NO. AND DEPTH	DESCRIPTION	ASSAY RESULTS
					0.0 m to 26.23 m Pale green chloritised vitric-crystal tuff containing euhedral chlorite pseudomorphs (5mm in size) and a trace of disseminated pyrite. Iron-staining of the rock and its fracture surfaces is common. Occasional rounded fragments of fine dark green dacite(?) are included in the tuff. Chlorite veins occur infrequently and are generally no greater than 20° in core angle. Vesicles (5 mm across) lined with quartz crystals and/or chlorite occur; A vesicle 4 cm across lined with quartz occurs at 10.94 m. Layering is sometimes developed vaguely distinguished by alternating bands of light green and pale yellow at 60° to the core axis.	
					26.23 m to 30.20 m A band of partially iron-stained green dacite with gradational boundaries. The dacite is veined and infilled by massive chlorite. Fine iron-stained layering at 28.60 m has a 50° core angle.	
					30.20 m to 32.33 m Fine pale green-brown vitric tuff veined by chlorite and/or white quartz. The veins are generally no wider than 1 cm with 32° core angles.	
NQ	0.00 to 4.85	4.85	1.63		1.53 m whole core, remainder broken.	
	7.93	3.08	3.00		2.85 m " " " "	
	10.98	3.05	3.11		2.66 m " " " "	
	13.03	3.05	3.03		2.33 m " " " "	
	16.08	3.05	3.05		2.95 m " " " "	
	19.13	3.05	3.10		2.95 m " " " "	
	22.12	2.99	3.15		2.95 m " " " "	
	23.58	1.46	1.33		1.33 m " " " "	
BQ	26.23	2.65	1.70		1.36 m " " " "	
	29.28	3.05	2.50		1.80 m " " " "	
	32.33	3.05	2.60		1.50 m " " " "	
	35.38	3.05	3.05		2.75 m " " " "	
					32.33 m to 51.00 m Pale green chloritised vitric tuff, and vitric crystal tuff containing euhedral chlorite pseudomorphs as for 0.0 m to 26.23 m. Iron staining is conspicuous for most of this section. A vague layering with 60° core angle occurs. A trace of fine disseminated pyrite occurs.	
	38.43	3.05	3.08		3.0 m whole core, remainder broken.	
	41.48	3.05	3.04		2.90 m " " " "	
	44.53	3.05	2.99		2.74 m " " " "	

AUSTRALIAN ANGLO AMERICAN LIMITED

640019

PROJECT: E.L. 5/63 CHESTER METRIC GRID

BOREHOLE No. CP4

TYPE Diamond Drill Hole

CO-ORDINATES 4.ON 7.0LE

INCLINATION 50°

DIRECTION 258° Mag.

DATE START

DATE FINISH 10/6/74

DRILLER

COMPANY Longyear Aust. Pty. Ltd. FINAL DEPTH 199.95 m

CORE SIZE	DEPTH	DRILLED METRES	RECOVERED METRES	SAMPLE NO. AND DEPTH	DESCRIPTION	ASSAY RESULTS
					have a darker green groundmass than the remaining rock and may possibly represent component fragments of an agglomerate. Trace fine disseminated pyrite.	
					94.58 m to 97.14 m Hard light grey pyritiferous vitric-crystal tuff containing up to 3% disseminated pyrite (up to 1 mm grain size), quartz and feldspar crystals, some of which are pink in colour (unreactive to staining for potash), are common (up to 4 mm across). Localised shearing of the rock is inclined at 50° - 55° to the core axis on average. Traces of a fine black mineral are found in localised disseminations.	
					97.14 m to 113.42 m Yellowish green lapilli tuff? and agglomerate? with vaguely defined fragments which are fine pale green, grey, or dark green with white phenocrysts (2 mm across). The rock is cut by bands of hairline shearing with 55° - 60° core angles and coincident yellowish discolouration due to alteration. Fine disseminated pyrite ranges from trace amounts up to local concentrations of 5%.	
					113.42 m to 122.92 m Fine coarse light grey tuff which on exposure becomes iron stained and contains up to 5% - 6% disseminated pyrite. The character of the tuff varies, in places white crystals (2 mm) are conspicuous. Infrequently lapilli - agglomerate grade fragments of a fine light grey lithology are included in the tuff. At 117.65 m is a 7 mm wide quartz vein containing galena and sphalerite and inclined at 36° to the core axis.	
BQ	117.65	3.05	3.13		3.13 m whole core, remainder broken	
	120.70	3.05	2.96		2.96 m " " " "	
	123.75	3.05	3.09		2.90 m " " " "	
	126.80	3.05	2.73		2.50 m " " " "	
	129.84	3.04	2.98		2.85 m " " " "	
	132.89	3.05	3.03		3.03 m " " " "	
	135.94	3.05	3.08		2.80 m " " " "	
	138.99	3.05	2.84		2.70 m " " " "	
					122.92 m to 126.98 m Fine dark green dacite containing a trace of fine disseminated pyrite (1 mm size). Faint layering of the dacite is at 85° to the core axis.	

AUSTRALIAN ANGLO AMERICAN LIMITED

640020

019

PROJECT: E.L. 5/63 CHESTER METRIC GRID

BOREHOLE No. CP4

TYPE Diamond Drill Hole

CO-ORDINATES 4.ON 7.01E

INCLINATION 50°

DIRECTION 258° Mag.

DATE START

DATE FINISH 10/6/74

DRILLER

COMPANY Longyear Aust. Pty. Ltd. FINAL DEPTH 199.95 m

NAFS

CORE SIZE	DEPTH	DRILLED METRES	RECOVERED METRES	SAMPLE NO. AND DEPTH	DESCRIPTION	ASSAY RESULTS
					126.98 m to 141.08 m Indurated foliated pale yellow-grey pyritiferous vitric tuff. The tuff is discoloured in lenticular patches (1 cm x 3 cm) to a yellowish colour and is due to localised widening of bands of hairline shearing. The shears have core angles of 70° - 90°. An average of 3% fine disseminated pyrite is present throughout.	
					141.08 m to 142.87 m Light grey vitric crystal tuff containing white crystals (2mm) which do not respond to staining for potash. Fine disseminated pyrite is present, varying in concentration up to 10% but on average only 3% - 4%. A trace of sphalerite occurs at 141.59 m on a fracture surface with quartz.	
					142.87 m to 145.45 m Light grey lapilli tuff grading into a light grey vitric crystal tuff. The lapilli fragments are of ragged outline, fine grained, sometimes containing phenocrysts (2 mm), and green in colour. Up to 1% disseminated pyrite occurs, though only as trace amounts on average. The rock is gently sheared at approximately 70° to core axis.	
					145.45 m to 150.95 m Light grey sericitised tuff containing on average 2% disseminated pyrite. The rock has been foliated by shearing at 60° - 70° core angles.	
BQ	142.04	3.05	3.36		3.30 m whole core, remainder broken	
	145.08	3.04	3.09		3.09 m " "	
	148.13	3.05	3.07		2.90 m " " " "	
	151.18	3.05	3.00		3.00 m " "	
	154.23	3.05	3.06		3.06 m " "	
	157.28	3.05	3.05		3.05 m " "	
	160.32	3.04	3.13		3.13 m " "	
	163.37	3.05	3.14		1.00 m " " " "	
	166.42	3.05	3.14		3.14 m " "	
	169.47	3.05	3.04		3.04 m " "	
	172.52	3.05	3.05		3.05 m " "	
					150.95 m to 199.95 m Fine grey sericitised foliated tuff which has been sheared to produce the foliation at core angles of 65° to 85°. Trace amounts of fine disseminated pyrite occur throughout and sometimes local concentrations of 5% - 10% occur. Minor traces of a fine disseminated black mineral occur at 184.60 m.	

COMSTAFF PROPRIETARY LIMITEDCHESTER METRIC GRID - EL 5/63.SUMMARY OF DIAMOND DRILL HOLE CP41. ROCK INTERSECTIONS:

Depth (m)	Description
0.00 m to 26.23 m	Pale green chloritised vitric-crystal tuff containing a trace of pyrite.
26.23 m to 30.20 m	Iron-stained green dacite intruded by veins of massive chlorite.
30.20 m to 32.33 m	Pale green-brown vitric tuff intruded by chlorite and quartz veins.
32.33 m to 51.00 m	Iron-stained pale green chloritised vitric tuff and vitric-crystal tuff containing traces of pyrite.
51.00 m to 93.50 m	Mottled dark green and brown vitric-crystal-lithic(?) tuff with a trace of pyrite.
93.50 m to 94.58 m	Dark green vitric-crystal tuff (or agglomerate?) with a trace of pyrite.
94.58 m to 97.14 m	Light grey vitric-crystal tuff containing 3% pyrite and traces of a fine black mineral (sphalerite?).
97.14 m to 113.42 m	Yellow green lapilli tuff? or agglomerate containing up to 5% pyrite.
113.42 m to 122.92 m	Fine to coarse light grey tuff containing a trace of galena and sphalerite in a quartz vein and 5% - 6% pyrite.
122.92 m to 126.98 m	Fine dark green dacite with traces of pyrite.
126.98 m to 141.08 m	Indurated foliated pale yellow-grey vitric tuff containing 3% pyrite.
141.08 m to 142.87 m	Light grey vitric-crystal tuff containing a minute trace of sphalerite and 3% - 4% pyrite.
142.87 m to 145.45 m	Light grey lapilli tuff grading into light grey vitric-crystal tuff containing traces of pyrite.
145.45 m to 150.95 m	Light grey sericitised foliated tuff containing 2% pyrite.
150.95 m to 199.95 m	Grey sericitised foliated tuff containing traces of pyrite, with local concentrations up to 10%. A trace of fine black mineral (sphalerite?) occurs at 184.60 m.

END OF HOLE2. INDICATED VALUES OF ORE

The core contains negligible visible mineralization and was not assayed.

3. OVERALL CORE RECOVERY

Metres drilled	199.95
Metres recovered	195.05
Percentage recovery	97.54

4. WATER TABLE

CASING LEFT IN HOLE - Collar.

BOREHOLE SURVEYS USING TROPARI AND ACID BOTTLES

(Note - where possible Tropari readings were recorded by Comstaff geologists. The Tropari was not tested by Comstaff for precision and accuracy.)

<u>Depth</u>	<u>Dip</u>	<u>Bearing (Mag)</u>	<u>Method</u>
0 m	50°	258°	Suunto compass, Brunton clinometer.
25 m	50°	255½°	Tropari
50 m	51°	256°	"
75 m	52°	256°	"
100 m	53°	256½°	"
125 m	Incorrect	253°	"
150 m		253°	"
125 m	32°		Acid bottle.
150 m	26½°		"
193 m	13°	266°	Tropari

022

640023

BL 5/63 CHESTER METRIC GRID

DIAMOND DRILL HOLE CP 4

Sample Number	Depth metres	ASSAY RESULTS					
		Cu	Pb	Zn	Cd	Ba	Hg
T2313	0 - 4.85	8	15	65	1	95	50
T2314	4.85 - 7.93	8	10	65	3	95	100
T2315	7.93 - 10.98	8	10	65	2	90	<50
T2316	10.98 - 13.03	20	25	75	<1	90	200
T2317	13.03 - 16.08	15	18	75	2	90	100
T2318	16.08 - 19.13	10	10	60	3	90	50
T2319	19.13 - 22.12	10	8	65	3	90	50
T2320	22.12 - 23.58	10	12	80	1	65	<50
T2321	23.58 - 26.23	15	12	75	1	75	<50
T2322	26.23 - 29.28	15	12	150	<1	60	50
T2323	29.28 - 32.33	10	15	60	1	90	<50
T2324	32.33 - 35.38	35	25	65	2	95	300
T2325	35.38 - 38.43	8	12	85	1	110	<50
T2326	38.43 - 41.48	8	8	75	2	110	50
T2327	41.48 - 44.53	10	18	100	1	120	<50
T2328	44.53 - 47.58	15	22	85	1	110	100
T2329	47.58 - 50.63	12	22	85	2	100	<50
T2330	50.63 - 53.68	8	25	70	2	110	100
T2331	53.68 - 56.73	12	40	110	1	110	<50
T2332	56.73 - 59.78	8	18	85	1	130	<50
T2333	59.78 - 62.83	8	22	70	2	130	<50
T2334	62.83 - 65.88	8	18	85	<1	140	<50
T2335	65.88 - 68.93	5	15	75	3	150	<50
T2336	68.93 - 71.98	8	8	80	<1	160	100
T2337	71.98 - 75.03	10	15	85	2	160	<50
T2338	75.03 - 78.08	5	10	85	2	200	50
T2339	78.08 - 81.13	5	12	90	1	140	<50
T2340	81.13 - 84.18	5	18	110	2	140	50
T2341	84.18 - 87.23	8	10	80	1	180	<50
T2342	87.23 - 90.28	2	8	75	1	170	200
T2343	90.28 - 93.33	8	10	70	2	170	<50
T2344	93.33 - 96.32	8	15	65	4	140	50
T2345	96.32 - 99.36	12	42	75	1	120	<50
T2346	99.36 - 102.41	8	100	120	4	130	50
T2347	102.41 - 105.46	42	180	250	2	110	<50
T2348	105.46 - 108.57	12	20	130	2	110	200
T2349	108.57 - 111.56	12	15	120	3	120	<50
T2350	111.56 - 114.60	10	22	95	3	100	150
T2351	114.60 - 117.65	10	120	1180	6	140	350
T2352	117.65 - 120.70	8	150	580	4	200	200
T2353	120.70 - 123.75	25	18	220	1	180	<50
T2354	123.75 - 126.80	15	8	460	3	65	<50
T2355	126.80 - 129.84	12	40	160	1	100	<50
T2356	129.84 - 132.89	12	90	75	1	120	100
T2357	132.89 - 135.94	10	12	12	1	110	<50
T2358	135.94 - 138.99	8	50	25	2	65	50
T2359	138.99 - 142.04	8	70	340	4	230	50
T2360	142.04 - 145.08	20	170	1250	6	130	150
T2361	145.08 - 148.13	5	80	620	4	110	50
T2362	148.13 - 151.18	8	12	100	3	70	<50
T2363	151.18 - 154.23	2	5	8	3	42	<50
T2364	154.23 - 157.28	<2	<5	2	1	15	<50
T2365	157.28 - 160.32	<2	<5	8	1	<5	<50
T2366	160.32 - 163.37	2	5	10	1	5	150
T2367	163.37 - 166.42	10	12	18	3	15	150
T2368	166.42 - 169.47	5	5	10	3	12	150
T2369	169.47 - 172.52	8	10	22	2	12	<50

023

640024

2

e1 5/63 CHESTER METRIC GRID

D.D.H. CP 4 (contin)

Sample number	Depth metres	ASSAY RESULTS					
		Cu	Pb	Zn	Cd	Ba	Hg
T2370	172.52 - 175.56	5	<5	5	2	12	200
T2371	175.56 - 178.61	30	8	8	3	20	<50
T2372	178.61 - 181.66	8	<5	22	3	65	100
T2373	181.66 - 184.71	8	15	48	1	110	<50
T2374	184.71 - 187.76	5	<5	12	4	110	<50
T2375	187.76 - 190.80	5	5	10	2	28	50
T2376	190.80 - 193.85	5	<5	5	1	290	<50
T2377	193.85 - 196.90	2	<5	8	<1	330	<50
T2378	196.90 - 199.95	2	<5	15	1	220	<50

END OF HOLE

Note: Au results less than 0.05 except T2314 - 0.15 ppm. All Ag results less than 1 ppm.
Assay results expressed in ppm except Hg which is expressed in ppb.

CP 4 (LENGTHENED)

T2705	199.95 - 203.00	8	8	18		120
T2706	203.00 - 206.05	2	10	5		150
T2707	206.05 - 209.10	2	10	8		140
T2708	209.10 - 212.15	15	8	15		45
T2709	212.15 - 215.20	5	62	40		55
T2710	215.20 - 218.25	5	5	8		25
T2711	218.25 - 221.30	22	<5	12		28
T2712	221.30 - 224.35	10	18	8		65
T2713	224.35 - 227.40	75	20	2		120
T2714	227.40 - 229.30	48	72	2		130
T2715	229.30 - 230.45	10	18	2		65
T2716	230.45 - 233.50	100	42	150		110
T2717	233.50 - 236.55	2	10	5		40
T2718	236.55 - 239.60	2	8	140		35
T2719	239.60 - 242.65	2	8	28		18
T2720	242.65 - 245.70	2	<5	25		18
T2721	245.70 - 248.75	2	25	22		22
T2722	248.75 - 250.00	5	<5	42		40

END OF HOLE

024

640025 75-1084

aac

PROJECT NAME: COMSTAFF PROPRIETARY LIMITED

TITLE: DRILL LOG CP 5

OPEN FILE

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

CHESTER SK-55/3 MCG 6.ON 7.04E

COMMODITY/IES: Cu, Pb, Zn

TEXT PAGES NO:

PLAN NOS:

TABLE NOS:

APPENDICES:

AUTHOR/S: R.N. Smith

DATE: April 1975

AUSTRALIAN ANGLO AMERICAN LIMITED

GRADES OF MINERALIZATION GIVEN ARE VISUAL ESTIMATES.

640026

025

COMPILED BY: R.N. Smith (Geologist)

AUSTRALIAN ANGLO AMERICAN LIMITED

PROJECT: METRIC CHESTER GRID E.L. 5/63

M.C.G.

BOREHOLE No. CP5

TYPE Diamond Drill hole

CO-ORDINATES Line 6.0N, 7.04E

INCLINATION 49° at collar

DIRECTION 258°(mag) at collar

DATE START 11/6/74

DATE FINISH 17/6/74

DRILLER

COMPANY LONGYEAR AUSTRALIA

FINAL DEPTH 160.33 metres

CORE SIZE	DEPTH metres	DRILLED METRES	RECOVERED METRES	SAMPLE NO. AND DEPTH	DESCRIPTION	ASSAY RESULTS (ppm)				
						Cu	Pb	Zn	Ag	Ba
NX	0.0			TA960	On surface at drill site	50	240	1.5%		
	4.88	4.88	4.13	1.71 TE164	3.63m whole, rest broken.	15	160	380	0.1	1000
	7.92	3.04	3.06	2.69 TE165	2.76m " " "	12	600	610	0.3	1200
	9.75	1.83	1.00	3.67 TE166	0.60m " " "	8	60	220	0.1	1000
	10.97	1.22	1.23	4.67 TE167	1.18m " " "	8	22	440	0.1	800
	14.02	3.05	2.93	5.67 TE168	2.63m " " "	8	120	280	0.1	1200
				6.70 TE169	0.0m to 14.70m Fine light to dark green tuff containing small	10	340	350	0.3	800
				7.73 TE170	white pods of barite(?), frequently 1 mm across but attaining	10	360	360	0.1	800
				8.73 TE171	1.0 cm size. A trace of galena is present (1.2 mm size)	18	100	980	0.1	1000
				10.55 TE172	associated with occasional veins and pods of quartz and	22	210	500	0.1	600
				11.56 TE 173	barite(?), and often chlorite. From 2.70 m to 5.40 m white	15	180	550	0.1	2000
				12.73 TE174	euhedral to anhedral feldspar crystals present fine fractures	15	190	260	0.1	2000
				13.73 TE175	infilled by barite(?) with core angle of 40° occur at 4.0 m. A trace of disseminated galena (size 1 mm) occurs in sample TE168 and almost microscopic crystals of pyrite(?). Fine sphalerite traces occur in a barite(?) pod at 11.70 m. Phenocrysts are common below 9.0 m as they were between 2.70 m and 5.40 m. Dark/light green patches are aligned at 50° to the core axis.	8	75	210	0.1	1000
				14.70 TE176	14.70 m to 17.20 m light yellow-green fine silicified tuff	32	1150	2040	1	800
				15.70 TE177	containing oval quartz bodies (2 mm across). The rock is	28	310	1620	0.5	1000
				16.68 TE178	layered at 45° to the core axis. Up to 1% pyrite occurs along	70	550	270	5	2000
				17.70 TE179	fractures or as sporadic aggregations. A trace of galena and sphalerite (less than 0.1%) is disseminated through a quartz vein. Infillings of barite(?) occur rarely. From 17.20 m to 19.54 m same rock type as above but with no	32	240	45	5	800
				18.71 TE180	barite infillings. Up to 3% pyrite occurs disseminated or as	30	520	130	15	600
				19.73 TE181	contorted veinlets. A trace of galena occurs in a quartz vein (core angle 42°) at 18.70 m, at 19.10 m the pyrite grades 1% to 1% in disseminated form. 2.66 m whole core, rest broken	70	170	390	5	1000
NX	17.07	3.05	3.16		Whole core					
	20.12	3.05	3.02		" "					
	26.21	6.09	6.05		" "					
	27.43	1.22	1.22		" "					
BX	29.26	1.83	1.91		1.88 m whole core, rest broken.					
	32.31	3.05	3.07		2.90 m " " " "					
	35.36	3.05	3.12		Whole core.					

BOREHOLE No. CP5

TYPE

CO-ORDINATES

INCLINATION

DIRECTION

DATE START

DATE FINISH

DRILLER

COMPANY

FINAL DEPTH

NWFS

CORE SIZE	DEPTH	DRILLED METRES	RECOVERED METRES	SAMPLE NO. AND DEPTH	DESCRIPTION	ASSAY RESULTS (ppm)				
						Cu	Pb	Zn	Ag	Ba
					19.54 m to 26.10 m Fine green tuff containing oval darker green patches inclined at 60° to the core axis and frequent infillings of barite(?), 2 mm to 1 cm across, within which are also quartz crystals. The barite infillings are not evenly distributed throughout the core. Dark grey to black pods (up to 5 mm long) of fine sphalerite and galena occur (less than 1% grade) associated with up to 1% pyrite. Vugh					
				20.77 TE182	of quartz with some chalcopyrite at end of sample TE181.	32	200	350	8	800
				21.77 TE183	A 1 cm wide quartz vein (core angle 40°) contains some specks	12	90	600	0.3	600
				22.77 TE184	of galena. Over sample interval TE184 sulphides (including	5	18	130	-	2000
				23.75 TE185	pyrite) are rare. Small crystals of quartz and quartz/barite?	5	12	130	-	800
				24.72 TE186	inclusions (up to 2 mm size) are present as well as the usual	2	10	100	-	1000
				25.81 TE187	larger inclusions (up to 1 cm size). A trace of galena occurs	15	12	180	0.1	800
				26.78 TE188	in a white quartz veinlet in sample TE185. From 24.07 m the	8	12	140	0.1	600
				27.86 TE189	rock is generally grey with a brown discolouration in patches. White quartz inclusions with or without carbonate are present and up to 1 cm across. Pyrite is absent except when occasionally occurring as veins (5 mm wide). Unidentified black bodies (up to 5 mm across) occur occasionally. Inclusions are rare after 25.10 m.	5	80	290	0.1	1500
					26.10 m to 49.95 m Brown to dark green tuffs and crystal tuffs. The crystal tuffs contain white euhedral feldspar (2 mm size) and grade into the tuffs. Some thin (2 mm wide) carbonate - quartz veinlets are present. At 26.46 m is a thin veinlet of chlorite (core angle 15°). Negligible fine disseminated pyrite occurs - some pyrite has crystallised on a parting surface of the core at 26.71 m. A 1 cm wide chlorite band (core angle 25°) with slickensided surfaces bearing smeared films of pyrite occurs at 27.96 m; the slickensides pitch at 50°. A veinlet					
				28.75 TE190	of carbonate with fine black material in sample TE190 occurs	15	130	1100	0.1	1000
				29.71 TE191	at 28.09 m. Some infillings of white barite(?) from 0.5 cm	18	170	890	0.3	1200
					cross to 0.5 cm x 2 cm in size occur between 28.13 m and 28.30 m.					
				30.75 TE 192	A trace of galena occurs in sample TE192 at 29.85 m in a 4 mm	12	1050	1300	0.3	800
				31.74 TE 193	wide quartz vein (core angle 57°) and in a 4 mm wide quartz vein	15	440	580	0.5	600
				32.72 TE194	(core angle 60°) at 30.07 m. Galena also occurs in small	18	320	1300	0.3	500

AUSTRALIAN ANGLO AMERICAN LIMITED

640028

PROJECT: METRIC CHESTER GRID E.L. 5/63

BOREHOLE No. CP5

TYPE

CO-ORDINATES

INCLINATION

DIRECTION

DATE START

DATE FINISH

DRILLER

COMPANY

FINAL DEPTH

CORE SIZE	DEPTH	DRILLED METRES	RECOVERED METRES	SAMPLE NO. AND DEPTH	DESCRIPTION	Cu	Pb	ASSAY RESULTS (ppm)		
								Zn	Ag	Ba
				33.68 TE195	vesicles at 30.30 m and 30.55 m. A 20 cm wide breccia zone, inclined at 40° to the core axis, begins at 30.31 m. At 31.64 m several specks of fine galena are visible. Pyrite content is negligible (less than 1%). At 46.51 m is a trace of chalcopyrite in a 2 mm wide quartz - carbonate vein (core angle 80°). The rock is brecciated at 47.17 m for 10 cm with breccia cavities infilled by carbonate. At 47.61 m is a trace of chalcopyrite and galena in a carbonate veinlet. A trace of galena and sphalerite occurs in a 2 mm wide quartz vein (core angle 82°), at 47.94 m.	30	330	950	0.3	500
BX	38.40	3.04	3.04		Whole core.					
	41.45	3.05	2.88		" "					
	44.50	3.05	2.94		2.73 m whole core, rest broken.					
	47.55	3.05	2.93		2.68 m " " " "					
	50.60	3.05	3.14		2.94 m " " " "					
	53.64	3.04	3.06		Whole core					
	56.69	3.05	3.02		" "					
	59.74	3.05	3.03		2.98 m whole core, rest broken.					
	62.79	3.05	3.02		Whole core.					
	65.84	3.05	3.03		" "					
					49.95 m to 50.70 m Agglomerate (or possibly a tuff with patches of discolouration) with faint brown fragments up to 6 cm across surrounded by dark green groundmass. Both the fragments and the groundmass contain white phenocrysts (2 mm size).					
					50.70 m to 50.98 m Fine dark grey tuff grading from the previous rock type. Up to 1% pyrite is present (up to 2 mm in grain size) in aggregates.					
					50.98 m to 51.55 m Same lithology as between 49.95 m and 50.70 m.					
					51.55 m to 52.45 m Alternations of fine brown tuff and dark grey tuff(?) containing some faint angular light grey fragments up to 4 cm across. The lithologies have gradational boundaries. The dark grey tuff(?) contains 1% pyrite in aggregates.					
					52.45 m to 57.02 m Light brown agglomerate with indistinct fragments in green-grey groundmass.					

AUSTRALIAN ANGLO AMERICAN LIMITED

640029

028

PROJECT: METRIC CHESTER GRID E.L.5/63

BOREHOLE No. CP5

TYPE

CO-ORDINATES

INCLINATION

DIRECTION

DATE START

DATE FINISH

DRILLER

COMPANY

FINAL DEPTH

CORE SIZE	DEPTH	DRILLED METRES	RECOVERED METRES	SAMPLE NO. AND DEPTH	DESCRIPTION	Cu	Pb	ASSAY RESULTS (ppm)		
								Zn	Ag	Ba
					57.02 m to 63.95 m Brown-green crystal lithic tuff with fine dark red-brown mineral (rutile?) in infillings. Sulphides are rare and occur as grains of galena in occasional quartz veins. No pyrite is present. Occasional oval lithic fine green fragments (up to 2 cm size) and whitish euhedral crystals (2 mm) are present. Occasional veinlets of carbonate and/or chlorite occur.					
					63.95 m to 65.08 m Fine dark grey tuff with rare 1 cm oval light grey-green included fragments. No sulphides are present.					
					65.08 m to 66.27 m Brown crystal tuff containing some veins and pods of quartz or carbonate.					
					66.27 m to 66.84 m Fine dark grey tuff containing no sulphides.					
BX	68.88	3.04	3.11		2.91 m whole core, rest broken.					
	71.93	3.05	3.05		Whole core.					
	74.98	3.05	3.08		" "					
	78.03	3.05	3.05		" "					
	81.08	3.05	3.05		" "					
	84.12	3.04	3.08		" "					
	87.17	3.05	3.07		" "					
	90.22	3.05	3.09		2.49 m whole core, rest broken.					
	91.44	1.22	1.17		0.74 m " " " "					
	93.27	1.83	1.83		1.17 m " " " "					
	96.32	3.05	2.74		2.04 m " " " "					
	99.36	3.04	3.13		2.98 m " " " "					
					66.84 m to 68.18 m Fine green dacite containing occasional equant bodies of carbonate (0.7 cm across) surrounded by a rim of red-stained dacite. Negligible pyrite is present. A slickensided carbonate surface in the dacite at 67.90 m is inclined at 72° to the core axis.					
				68.24 TA964	68.18 m to 71.63 m Fine light to dark grey tuff containing angular mafic bodies (up to 2 mm size) which are probably crystals. A faint orientation of the elongate mafics at 50° to the core axis occurs, pyrite is very rare. Some pods (3 mm to 3 cm size) and veins of carbonate are present, sometimes containing pyrite.					

AUSTRALIAN ANGLO AMERICAN LIMITED

PROJECT: METRIC CHESTER GRID E.L. 5/63

E40020

BOREHOLE No. CP5

TYPE

CO-ORDINATES

INCLINATION

DIRECTION

DATE START

DATE FINISH

DRILLER

COMPANY

FINAL DEPTH

NWFS

CORE SIZE	DEPTH	DRILLED METRES	RECOVERED METRES	SAMPLE NO. AND DEPTH	DESCRIPTION	ASSAY RESULTS (ppm)				
						Cu	Pb	Zn	Ag	Ba
					71.63 m to 87.77 m Agglomerates of various colours. The varieties present have brown fragments in a dark grey-green groundmass; light yellow green fragments in a dark green groundmass or dark grey fragments in a light grey groundmass. Such colour differences may reflect differences in composition and/or presence of alteration minerals. A trace of fine disseminated pyrite is present and also a 1 cm patch of fine galena, pyrite (and possibly chalcopyrite) in a carbonate inclusion.					
					87.77 m to 90.50 m Light yellow green to dark grey tuffs. A 3cm wide vesicle lined by pyrite and galena occurs at 88.70 m. A stockwork of carbonate veinlets occurs between 88.70 m and 89.00 m. A fault (core angle 60°) occurs at 89.85 m. 90.50 m to 105.22 m Dark grey tuff and crystal tuff with white euhedral feldspar phenocrysts (3 mm). Pyrite content is negligible. The core is often broken along numerous fine carbonate veinlets between 90.50 m and 95.37 m. Angular black inclusions (2 mm size) occur sporadically. 1 cm wide carbonate veins and pods occur between 101.50 m and 102.41 m. A 5 mm pyrite vein at 103.60 m has core angle of 20°. A 3 cm pod of galena occurs at 105.20 m in thick quartz-carbonate veins which extend from 105.00 m to 105.30 m.					
BX	102.41	3.05	3.07		2.87 m whole core, rest broken.					
	105.46	3.05	3.13		2.90 m " " " "					
	108.51	3.05	2.94		2.54 m " " " "					
	111.56	3.05	3.03		2.93 m " " " "					
	114.60	3.04	3.06		2.16 m " " " "					
	117.65	3.05	3.09		2.19 m " " " "					
	120.70	3.05	2.93		2.93 m whole core.					
	123.75	3.05	3.12		2.97 m whole core, rest broken.					
	126.80	3.05	3.11		Whole core.					
	129.84	3.04	3.05		" "					
	132.89	3.05	3.10		" "					
	135.94	3.05	3.05		" "					
	138.99	3.05	3.02		" "					
	142.04	3.05	3.08		" "					

AUSTRALIAN ANGLO AMERICAN LTD

PROJECT: METRIC CHESTER GRID E.L.5/63

640031

030

BOREHOLE No. CP5

TYPE

CO-ORDINATES

INCLINATION

DIRECTION

DATE START

DATE FINISH

DRILLER

COMPANY

FINAL DEPTH

CORE SIZE	DEPTH	DRILLED METRES	RECOVERED METRES	SAMPLE NO. AND DEPTH	DESCRIPTION	ASSAY RESULTS (ppm)				
						Cu	Pb	Zn	Ag	Ba
BX	145.08	3.04	3.04		Whole core.					
	148.13	3.05	3.10		" "					
	151.18	3.05	3.14		" "					
	154.23	3.05	3.06		" "					
	157.28	3.05	3.03		" "					
	160.33	3.05	3.09		" "					
					105.22 m to 105.46 m Dark green dacite. The upper contact is a carbonate veinlet (core angle 55°) accompanied by several cm of yellow discolouration. The lower contact is a fault (core angle 30°).					
					105.46 m to 107.30 m Fine tuff coloured green or pink in patches; and containing some quartz crystals (2 mm). A trace of sphalerite and fine galena (less than 0.1%) is present as disseminated aggregates (0.5 cm size) and from 1% to 2% disseminated pyrite.					
					107.30 m to 112.75 m Fine grey sericitised pyritiferous tuff (3 - 4% pyrite content). A fault at 112.30 m has core angle of 42°.					
					112.75 m to 114.00 m Altered discoloured yellowish green dacite. No sulphides visible.					
					114.00 m to 115.85 m Agglomerate with light grey fragments and some pale yellow angular fragments containing quartz phenocrysts in a dark grey groundmass. 0.5% pyrite present as disseminated grains. A fault at 114.20 m has core angle of 47°.					
					115.85 m to 118.90 m Creamy white to pink "agglomerate" with white quartzose pyritiferous groundmass. The groundmass may be a primary feature or it may be the result of replacement of a previous groundmass or the rock as a whole (i.e., it could be a pseudo agglomerate). The "fragments" composing the "agglomerate" contain 1 - 2% pyrite. The groundmass generally contains 4% pyrite but in places it contains up to 50% pyrite. A trace of galena occurs in quartz veins (core angle 40°) between 117.10 m and 117.30 m.					

AUSTRALIAN ANGLO AMERICAN LTD

PROJECT: METRIC CHESTER GRID E.L.5/63

640032

031

BOREHOLE No. GP5

TYPE

CO-ORDINATES

INCLINATION

DIRECTION

DATE START

DATE FINISH

DRILLER

COMPANY

FINAL DEPTH

CORE SIZE	DEPTH	DRILLED METRES	RECOVERED METRES	SAMPLE NO. AND DEPTH	DESCRIPTION	Cu	Pb	ASSAY RESULTS (ppm)		
								Zn	Ag	Ba
					118.90 m to 123.91 m Pink tuff grading into grey tuff. Up to 4% disseminated pyrite is present. The pink tuff is cut at random by some quartz veinlets.					
					123.91 m to 124.20 m Dark green dacite cut at random by some 1 mm wide quartz veinlets. The lower contact (core angle 68°) and the upper contact (core angle 90°) are penetrated by numerous yellow-stained hairline fractures. The rock is yellowish near the contacts.					
					124.20 m to 126.95 m Grey tuff containing up to 2% disseminated pyrite.					
					126.95 m to 131.43 m Fine pink tuff with grey patches. Pyrite is generally restricted to the grey patches which are less than 1 cm in size and average 0.5% grade. A brecciated zone between 131.33 m and 131.43 m is infilled by chlorite.					
					131.43 m to 140.16 m Dark green dacite cut by numerous 1 cm carbonate veins, sometimes containing quartz, which are generally inclined at 40-50° to the core axis. The upper contact of the dacite is a 1.5 cm quartz vein (core angle 54°). A quartz vein at 139.90 m is inclined at 45° to the core axis and contains a 1 cm inclusion of cupriferous(?) pyrite.					
					140.16 m to 146.00 m Fine light green crystal tuff containing some quartz crystals but mostly white euhedral feldspar crystals (2 mm size). A 1 cm wide quartz-carbonate-chlorite vein is roughly parallel to the core axis between 141.75 m and 142.30 m. The lower contact of the tuff is gradational into the lithology below.					
					146.00 m to 160.33 m Sequence of agglomerates, lapilli tuffs and occasional tuff. Component fragments of the coarse pyroclastics are generally light pink in colour. The groundmass is generally dark grey-green. Up to 0.5% fine disseminated pyrite and approximately 3% pyrite as fine grained stringers and aggregates is present.					
					END OF HOLE					

032

640033

AUSTRALIAN ANGLO AMERICAN LIMITED

COMSTAFF PROPRIETARY LIMITED

CHESTER METRIC GRID - E.L.5/63

SUMMARY OF DIAMOND DRILL HOLE CP5

1. ROCK INTERSECTIONS

0.00 m to 14.70 m	Green tuff containing traces of Pb-Zn mineralization and pods/veins of quartz and barite?
14.70 m to 17.20 m	Yellow-green layered silicified tuff with rare barite? infillings. (trace of galena and sphalerite present).
17.20 m to 19.54 m	Yellow-green layered silicified tuff with no barite? infillings. Trace of galena present.
19.54 m to 26.10 m	Green to grey-brown tuff with numerous barite? infillings (traces of galena, sphalerite and chalcopryrite).
26.10 m to 49.95 m	Brown to dark green tuffs and crystal tuffs (traces of galena, sphalerite and chalcopryrite). Brecciated at 47.17 m.
49.95 m to 50.70 m	Agglomerate(?) or altered tuff.
50.70 m to 50.98 m	Dark grey tuff (up to 1% pyrite).
50.98 m to 51.55 m	Agglomerate(?) or altered tuff.
51.55 m to 52.45 m	Brown to dark grey tuff (1% pyrite).
52.45 m to 57.02 m	Agglomerate.
57.02 m to 63.95 m	Brown-green lithic crystal tuff, (trace of galena).
63.95 m to 65.08 m	Dark grey tuff.
65.08 m to 66.27 m	Brown crystal tuff.
66.27 m to 66.84 m	Dark grey tuff.
66.84 m to 68.18 m	Green dacite.
68.18 m to 71.63 m	Light/dark grey tuff (trace pyrite).
71.63 m to 87.77 m	Agglomerates (trace of galena and pyrite).
87.77 m to 90.50 m	Yellow green to dark grey tuff (trace of galena and pyrite).
90.50 m to 105.22 m	Dark grey tuffs and crystal tuffs with stockwork of numerous carbonate veinlets (trace of galena and pyrite).
105.22 m to 105.46 m	Dark green dacite.
105.46 m to 107.30 m	Green or pink tuffs (1 - 2% pyrite, trace of Pb-Zn mineralization).
107.30 m to 112.75 m	Grey sericitised tuff (3 - 4% pyrite).
112.75 m to 114.00 m	Yellow-green altered dacite.
114.00 m to 115.85 m	Grey agglomerate (0.5% pyrite).
115.85 m to 118.90 m	White to pink agglomerate(?) (up to 4% pyrite, trace of galena).
118.90 m to 123.91 m	Pink tuff and grey tuff (4% pyrite).
123.91 m to 124.20 m	Dark green dacite.
124.20 m to 126.95 m	Grey tuff (2% pyrite).
126.95 m to 131.43 m	Pink tuff with grey patches (0.5% pyrite). Brecciated between 131.33 m and 131.43 m.
131.43 m to 140.16 m	Dark green dacite.
140.16 m to 146.00 m	Green crystal tuff.
146.00 m to 160.33 m	Agglomerates, lapilli tuffs, and tuffs (up to 3% pyrite).

END OF HOLE

033

2. INDICATED VALUES OF ORE:

All values less than 2000 ppm.

3. CORE RECOVERY:

Metres drilled 160.33
 Metres recovered 157.46
 Percentage recovery 97%

4. WATER TABLE:

Artesian water intersected.

5. CASING LEFT IN HOLE:

0.6 metres

6. BOREHOLE SURVEYS USING TROPARI AND ACID READINGS:
(Acid readings corrected for capillarity)

<u>Borehole Depth</u> <u>metres</u>	<u>Inclination</u>	<u>Direction</u>
Collar	49°	258°
25	47° Tropari	277°
	48° Acid	
50	45° Tropari	260°
	44° Acid	
75	42° Tropari	260°
	42½° Acid	
100	37° Tropari	258°
	36½° Acid	
125	32° Tropari	253°
	34° Acid	
160	24° Tropari	255°

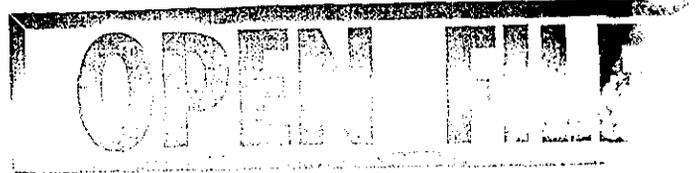
034

640035 75-1084

22C

PROJECT NAME: COMSTAFF PROPRIETARY LIMITED

TITLE: DRILL LOG CP 6



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

CHESTER SK-55/3 MCG 10.0N 8.33E

COMMODITY/IES: Cu, Pb, Zn

TEXT PAGES NO:

PLAN NOS:

TABLE NOS:

APPENDICES:

AUTHOR/S: R.N. Smith

DATE: April 1975

AUSTRALIAN ANGLO AMERICAN LIMITED

Incorporated in the State of Victoria

AUSTRALIAN ANGLO AMERICAN LIMITED

640036

035

PROJECT: E.L. 5/63 CHESTER METRIC GRID

BOREHOLE No. CP6

TYPE Diamond Drill Hole

CO-ORDINATES 10.0N 8.33E

INCLINATION 30°

DIRECTION 258° Mag.

DATE START 18/6/74

DATE FINISH 3/7/74

DRILLER

COMPANY Longyear Aust. Pty. Ltd. FINAL DEPTH 299.62 m

CORE SIZE	DEPTH	DRILLED METRES	RECOVERED METRES	SAMPLE NO. AND DEPTH	GRADES OF MINERALIZATION GIVEN IN THE DESCRIPTION ARE VISUAL ESTIMATES.		ASSAY RESULTS			
					DESCRIPTION					
NQ	3.96	3.96	0.92		0.85 m whole core, remainder broken					
	7.00	3.04	3.05		2.70 m " " " "					
	10.06	3.06	3.06		2.80 m " " " "					
	13.11	3.05	3.05		2.60 m " " " "					
	16.15	3.05	3.07		2.70 m " " " "					
	19.20	3.05	2.90		2.38 m " " " "					
	22.25	3.05	2.85		2.40 m " " " "					
	25.30	3.05	3.05		3.00 m " " " "					
	27.43	2.13	2.14		2.14 m " "					
BQ	28.34	0.91	1.02		1.00 m " " " "					
	31.39	3.05	2.87		2.80 m " " " "					
	34.44	3.05	3.04		3.04 m " "					
					0.00 m to 9.60 m Mottled green/yellow vitric - ? crystal tuff, which is bedded as defined by the mottled colouring at 70° to the core axis. The rock is weathered and heavily iron-stained down to 6.7 m. Traces of fine disseminated pyrite occur throughout.					
					9.60 m to 12.60 m Same as from 0.0 m to 9.60 m but the rock is predominantly dark green with some lighter shaded mottling. A trace of pyrite occurs in local concentrations. Bedding of the tuff occurs at core angles of 45° to 60°.					
					12.60 m to 16.50 m Pale green lithic-vitric-?crystal tuff containing partly eroded chloritised fragments and ?crystals (1 mm to 5 mm across). No pyrite is present.					
					16.50 m to 36.70 m Vitric tuffs and vitric-crystal tuffs which occasionally contain fine grained, dark green rounded fragments (up to 2 cm across) of dacite(?). The tuffs are often mottled in shades of green or yellow-green. Occasionally bedding can be distinguished at core angles of 60° to 70°. Fine disseminated pyrite is present ranging from trace amounts to 3% by volume. At 27.3 m, the rock is limonitised along shear foliations (core angle 75°) but from 27.0 m to 27.6 m the surface of the core has been limonitised on exposure, possibly by oxidation of microscopic disseminations of an iron mineral. From 30.4 m to 32.3 m the rock is sheared in places at core angles of 50° to 60°. A 5 mm wide carbonate vein at 35.51 m is inclined at a 45° core angle.					

AUSTRALIAN ANGLO AMERICAN LIMITED

PROJECT: E.L. 5/63 CHESTER METRIC GRID

640037

BOREHOLE No. CP6

TYPE Diamond Drill Hole

CO-ORDINATES 10.0N 8.33E

INCLINATION -30°

DIRECTION 258° Mag.

DATE START 18/6/74

DATE FINISH 3/7/74

DRILLER

COMPANY Longyear Aust. Pty. Ltd. FINAL DEPTH 299.62 m

CORE SIZE	DEPTH	DRILLED METRES	RECOVERED METRES	SAMPLE NO. AND DEPTH	DESCRIPTION	ASSAY RESULTS
BQ	37.49	3.05	3.03		3.03 m whole core.	
	40.53	3.04	3.02		3.00 m " " remainder broken.	
	43.58	3.05	3.07		3.07 m " "	
	46.63	3.05	3.08		3.08 m " "	
	49.68	3.05	3.03		3.03 m " "	
	52.73	3.05	3.04		3.04 m " "	
	55.78	3.05	3.06		3.06 m " "	
	58.83	3.05	3.16		2.94 m " " " "	
	61.87	3.04	2.74		2.64 m " " " "	
					36.70 m to 40.53 m Pale green vitric tuff and vitric crystal tuff. Stringers of aggregated pyrite are inclined at approximately a 55° core angle as is also a faint bedding (?). Much of this section of core has become iron stained from exposure to air. Pyrite is no greater than 1% grade by volume.	
					40.53 m to 49.68 m Pale green to yellow vitric tuff containing occasional stringers of pyrite oriented at random (up to 2% in grade).	
					49.68 m to 55.14 m Green to yellow green vitric tuff cut at random by irregular stringers of chlorite and pyrite (possibly a trace of pyrrhotite also). The pyrite content averages 1% - 2%.	
					55.14 m to 56.75 m Fine calcareous dark green dacite. The upper contact has a 46° core angle and the lower contact has a 41° core angle. The dacite has alternating layers of dark/light green inclined at 52° to the core axis from 55.14 m to 55.34 m. Occasional carbonate veins are oriented with core angles of 30° to 45° (both these veins and the dacite react with dilute hydrochloric acid).	
					56.75 m to 59.27 m Dark green vitric-lithic tuff which is poorly sorted in grain size. Some vaguely defined dark green lithic fragments are up to 2 cm across. Several shear emplaced layers of fine green ^{dacite} are included in the rock. Several carbonate veins are present with core angles 20° - 25°. A trace of fine disseminated pyrite.	
					59.27 m to 78.66 m Fine dark green calcareous dacite. Carbonate veins are common and usually have core angles between 12° and 45°. A vein of carbonate and massive chlorite with a 29° core angle occurs at 59.5 m.	
BQ	64.92	3.05	2.96		2.96 m whole core, remainder broken.	
	67.97	3.05	3.15		3.10 m " " " "	
	71.02	3.05	2.94		2.94 m " " " "	

AUSTRALIAN ANGLO AMERICAN LIMITED

640038

PROJECT: E.L.5/63 CHESTER METRIC GRID

BOREHOLE No. CP6

TYPE Diamond Drill Hole

CO-ORDINATES 10.0N 8.33E

INCLINATION -30°

DIRECTION 258° Mag.

DATE START 18/6/74

DATE FINISH 3/7/74

DRILLER

COMPANY Longyear Aust. Pty. Ltd. FINAL DEPTH 299.62 m

CORE SIZE	DEPTH	DRILLED METRES	RECOVERED METRES	SAMPLE NO. AND DEPTH	DESCRIPTION	ASSAY RESULTS
BQ	74.07	3.05	3.13		3.13 m whole core.	
	77.11	3.04	3.01		3.01 m " "	
	80.10	2.99	3.07		3.07 m " "	
	83.25	3.15	3.01		3.01 m " "	
	86.30	3.05	3.27		3.27 m " "	
	89.35	3.05	2.91		2.91 m " "	
					78.66 m to 86.10 m Vitric tuffs and vitric-crystal tuffs which grade in colour from amottled dark green through pink to grey. The grey tuff has been iron stained to a yellow colour on exposure. In places the rock has been fractured and into the fractures has come quartz, carbonate and pyrite. 1 - 2% fine disseminated pyrite is present in addition to 1% pyrite in fracture fillings. Grey quartz (?) crystals present in the vitric-crystal tuffs are vaguely discernable. Traces of a fine black mineral are present with pyrite in a fracture filling at 84.72 m.	
					86.10 m to 105.94 m Mottled light/dark grey vitric tuff. The rock is mottled with light grey patches (up to 6 cm across) surrounded by a darker grey colouration which may represent a relict agglomerate. An average of 5% disseminated aggregates of pyrite (up to 4 mm across) is present.	
					105.94 m to 108.50 m Fine dark green calcareous dacite. The lower contact is a shear inclined at 80° to 90° core angle.	
BQ	92.35	3.00	2.92		2.90 m whole core, remainder broken.	
	95.40	3.05	3.08		3.08 m " "	
	98.45	3.05	3.11		3.11 m " "	
	101.50	3.05	3.02		3.02 m " "	
	104.50	3.00	3.07		3.07 m " "	
	107.60	3.10	2.98		2.80 m " "	
	110.64	3.04	3.02		3.02 m " "	
	113.69	3.05	3.09		3.00 m " " " "	
	116.74	3.05	3.04		3.04 m " "	
	119.79	3.05	3.07		3.07 m " "	
	122.83	3.04	3.03		3.03 m " "	
	125.88	3.05	3.00		3.00 m " "	
					108.50 m to 109.56 m Vitric tuff which is mottled dark green and grey in irregular 5 mm wide layers (bedding probably) inclined roughly normal to the core axis. The rock has been discoloured yellow on exposure by oxidation. Up to 3% disseminated pyrite (less than 2 mm grain size) is	

AUSTRALIAN ANGLO AMERICAN LIMITED

PROJECT: E.L.5/63 CHESTER METRIC GRID

640039

BOREHOLE No. CP6

TYPE Diamond Drill Hole

CO-ORDINATES 10.ON 8.33E

INCLINATION -30°

DIRECTION 258° Mag.

DATE START 18/6/74

DATE FINISH 3/7/74

DRILLER

COMPANY Longyear Aust. Pty. Ltd. FINAL DEPTH 299.62 m

NW FS

CORE SIZE	DEPTH	DRILLED METRES	RECOVERED METRES	SAMPLE NO. AND DEPTH	DESCRIPTION	ASSAY RESULTS
					present. A 5mm wide carbonate vein at 109.35 m has a core angle of 66°.	
					109.56 m to 113.35 m Fine calcareous dark green dacite.	
					113.35 m to 117.00 m Light grey vitric tuff containing up to 7% disseminated pyrite (generally no larger than 1 mm grain size). Some white crystals less than 1 mm in size are present. The core has become iron stained to a yellow colour from exposure.	
					117.00 m to 134.20 m Fine dark green calcareous dacite. The upper contact has a 25° core angle and is occupied by quartz infilling; the dacite within several centimetres of this contact is stained yellow. The lower contact is a shear inclined at a 37° core angle. Occasional quartz carbonate veins cut the dacite at random. Infrequent layers (less than 2 mm wide) of dark red haematite(?) occur at random core angles.	
BQ	128.93	3.05	3.00		3.00 m whole core.	
	131.97	3.04	3.09		3.09 m " "	
	135.02	3.05	3.00		3.00 m " "	
	138.07	3.05	3.02		3.02 m " "	
	141.12	3.05	3.03		3.03 m " "	
	144.17	3.05	3.11		3.11 m " "	
	147.22	3.05	3.07		2.95 m " " remainder broken.	
	150.27	3.05	2.98		2.98 m " "	
	153.31	3.04	3.03		3.03 m " "	
					134.20 m to 145.81 m Light grey vitric tuff containing up to 7% pyrite as disseminated grains and aggregates. Much of this core has been iron stained to a yellow colour from exposure to air.	
					145.81 m to 146.66 m Fine dark green dacite cut by several quartz-carbonate veins with core angles of 42° or less. The lower contact is a shear with a 60° core angle.	
					146.66 m to 147.07 m Agglomerate? containing fine light grey angular fragments up to 5 cm across in a fine slightly darker grey groundmass. 1 - 2% fine disseminated pyrite is present. The fragmental appearance may be an alteration phenomenon in a fine vitric tuff.	
					147.07 m to 150.87 m Fine dark green dacite. A 1 cm wide quartz vein at 147.5 m has a 20° core angle. The upper and lower contacts coincide with shears at core angles of 30° and 70° respectively. The dacite within 10 cm of the lower contact has been sericitised, foliated and bleached to creamy colour.	

039

AUSTRALIAN ANGLO AMERICAN LTD ED

640040

PROJECT: E.L. 5/63 CHESTER METRIC GRID

BOREHOLE No. CP6

TYPE Diamond Drill Hole

CO-ORDINATES 10.0N 8.33E

INCLINATION 30°

DIRECTION 258° Mag.

DATE START 18/6/74

DATE FINISH 3/7/74

DRILLER

COMPANY Longyear Aust. Pty. Ltd. FINAL DEPTH 299.62 m

CORE SIZE	DEPTH	DRILLED METRES	RECOVERED METRES	SAMPLE NO. AND DEPTH	DESCRIPTION	ASSAY RESULTS
					150.87 m to 154.62 m Grey vitric tuff set within two bands of agglomerate?	
					From 150.87 m to 151.47 m and from 153.40 m to 154.62 m is agglomerate?	
					with fine light grey angular fragments (up to 6 cm across) containing quartz phenocrysts in a slightly darker grey fine groundmass similar to the section from 146.66 m to 147.07 m. 7% pyrite occurs as disseminated	
					1 mm sized grains and infrequent aggregates (up to 3 cm across). The vitric tuff is sericitised and foliated by shearing (core angle = 52°)	
					at 151.80 m.	
BQ	156.36	3.05	3.10		2.95 m whole core, remainder broken.	
	159.41	3.05	3.04		2.34 m " " " "	
	162.46	3.05	3.07		2.97 m " " " "	
	165.51	3.05	3.00		3.00 m " " " "	
	168.55	3.04	3.10		3.10 m " " " "	
	171.60	3.05	3.05		2.95 m " " " "	
	174.65	3.05	2.93		2.93 m " " " "	
					154.62 m to 156.46 m Fine dark green dacite which, apart from 0.40 m of core in the middle of this section, is not calcareous. The upper contact is irregular and within 5 cm of this contact, the dacite is discoloured a pale yellow. The lower contact is a 10 cm band of shearing (core angle = 70°) with similar discolouration of the dacite.	
					156.46 m to 164.20 m Mottled light/dark grey fine vitric tuff or agglomerate? (same as from 146.66 m to 147.07 m). Irregularly shaped, equant bodies of barite? up to 1.5 cm across occur over 0.10 m of core at 160.94 m). Disseminated grains and aggregates of pyrite range in grade from trace amounts to local concentrations of 10%.	
					164.20 m to 171.35 m Fine dark green dacite which for the most part is not calcareous. A quartz-carbonate vein at 170.56 m has a 33° core angle. White plagioclase crystals (up to 2 mm in grain size) are present in the upper half which is classified as fine dark green porphyritic dacite.	
					171.35 m to 179.19 m Fine grey vitric-lithic(?) tuff with lenticular fine dark grey patches (relict lithic fragments?) and aggregates of pyrite aligned normal to the core axis. The dark grey lenses are up to 3 cm long whereas those of aggregated pyrite are generally no longer than 1 cm. On average 4 - 5% pyrite is present as disseminated grains and aggregates.	
					179.19 m to 187.93 m Agglomerates and lapilli tuffs with fine light grey to white fragments (up to 4 cm across) in a dark grey fine groundmass.	

AUSTRALIAN ANGLO AMERICAN LIMITED

640041

040

PROJECT: E.L. 5/63 CHESTER METRIC GRID

BOREHOLE No. CP6

TYPE Diamond Drill Hole

CO-ORDINATES 10.0N 8.33E

INCLINATION 30°

DIRECTION 258° Mag.

DATE START 18/6/74

DATE FINISH 3/7/74

DRILLER

COMPANY Longyear Aust. Pty. Ltd. FINAL DEPTH 299.62 m

CORE SIZE	DEPTH	DRILLED METRES	RECOVERED METRES	SAMPLE NO. AND DEPTH	DESCRIPTION	ASSAY RESULTS
					2 - 5% fine disseminated pyrite occurs throughout and the core has become iron-stained on exposure to air. Minor grey vitric tuff also occurs.	
BQ	177.70	3.05	2.84		2.84 m whole core	
	180.44	2.74	2.92		2.90 m " " remainder broken.	
	183.49	3.05	3.17		3.12 m " " " "	
	186.61	3.12	3.09		2.95 m " " " "	
	189.74	3.13	3.02		3.02 m " "	
	192.86	3.12	2.88		2.88 m " "	
	195.99	3.13	3.33		3.30 m " " " "	
	199.03	3.04	3.07		3.00 m " " " "	
	202.08	3.05	3.05		3.05 m " " " "	
	205.13	3.05	3.03		3.03 m " "	
	208.18	3.05	3.05		3.05 m " "	
	211.23	3.05	3.04		2.94 m " " " "	
	214.27	3.04	3.07		3.07 m " "	
					187.93 m to 189.27 m Fine yellowish green calcareous dacite containing vaguely defined dark green crystals(?) 2 mm in size. Several carbonate veinlets cut the dacite at approximately 30° core angles and contain a trace of pyrite. Some quartz crystals are disseminated throughout the dacite. The upper contact has a 56° core angle and the lower contact has a 73° core angle. The dacite is stained yellow within 3 cm of the contacts.	
					189.27 m to 241.70 m A sequence of agglomerates(?) and vitric tuffs with gradational contacts. The agglomerate(?) fragments and tuffs are grey-green to pale pink in colour with occasional yellow iron-staining due to exposure of the core. The agglomerates(?) have a dark grey pyritiferous groundmass which, in places, seems to be a secondary phase intrusive into the primary (agglomerate fragment) phase. The tuffs and agglomerate fragments contain up to 4% disseminated pyrite whereas the dark grey groundmass contains variable amounts up to 6%. Quartz veins + shears at 203 m have an average core angle of 55°. Several irregularly shaped fragments of yellow-green dacite (4 cm across) occur in the pyroclastics at 203.6 m.	
BQ	217.32	3.05	2.92		2.92 m whole core.	
	220.37	3.05	3.11		3.11 m " "	
	223.42	3.05	3.03		3.03 m " "	

AUSTRALIAN ANGLO AMERICAN LIMITED

PROJECT: E.L. 5/63 CHESTER METRIC GRID

640042

BOREHOLE No. CP6

TYPE Diamond Drill Hole

CO-ORDINATES 10.ON 8.33

INCLINATION 30°

DIRECTION 258° Mag.

DATE START 18/6/74

DATE FINISH 3/7/74

DRILLER

COMPANY Longyear Aust. Pty. Ltd. FINAL DEPTH 299.62 m

CORE SIZE	DEPTH	DRILLED METRES	RECOVERED METRES	SAMPLE NO. AND DEPTH	DESCRIPTION	ASSAY RESULTS			
BQ	226.47	3.05	2.96		2.85 m whole core, remainder broken.				
	229.51	3.04	3.08		3.08 m " "				
	232.56	3.05	3.03		3.03 m " "				
	235.61	3.05	3.09		3.09 m " "				
	238.66	3.05	3.04		3.04 m " "				
	241.71	3.05	3.03		3.03 m " "				
	244.75	3.04	3.08		3.08 m " "				
	247.80	3.05	3.05		3.05 m " "				
	250.85	3.05	3.05		3.05 m " "				
	253.90	3.05	3.06		3.06 m " "				
	256.95	3.05	3.02		3.02 m " "				
	260.00	3.05	2.96		2.96 m " "				
					241.70 m to 284.60 m Grey-green vitric-crystal tuff mottled in dark and light shades. 2 - 4% pyrite occurs throughout as disseminated grains (1 mm size) and aggregates (rarely 2 cm across) generally 5 mm across). White feldspars up to 3 mm in grain size and do not react to staining for potash (therefore plagioclase). Between 270.70 m and 281.50 m the core has become iron-stained on exposure to air. From 279.00 m to 284.60 m the mottling of dark/light grey resembles discrete fine light grey rounded fragments (up to 5 cm across) in a fine dark grey groundmass and this section may be an agglomerate. The upper contact is very gradational.				
BQ	263.04	3.04	3.16		3.10 m whole core, remainder broken.				
	266.09	3.05	3.04		3.04 m " "				
	269.14	3.04	3.02		3.02 m " "				
	272.19	3.05	3.10		3.10 m " "				
	275.23	3.04	3.10		3.10 m " "				
	278.28	3.05	3.03		3.03 m " "				
	281.33	3.05	2.97		2.97 m " "				
	284.38	3.05	3.13		3.13 m " "				
	287.43	3.05	2.92		2.92 m " "				
	290.47	3.04	3.12		3.00 m " " " "				
	293.52	3.05	2.98		2.98 m " "				
	299.62	6.10	6.27		6.27 m " "				
					284.60 m to 287.43 m Light grey vitric tuff containing 2 - 4% pyrite as disseminated grains (1 mm in size) or infrequent aggregates (1 cm across).				

045

640044

Sample Number	Depth metres	ASSAY RESULTS					
		Cu	Pb	Zn	Ba	Ag	Au
T2470	159.41 - 162.46	55	<5	15	45	<1	<0.05
T2471	162.46 - 165.51	32	<5	75	135		
T2472	165.51 - 168.75	5	5	450	200		
T2473	168.75 - 171.60	12	5	490	355		
T2474	171.60 - 174.65	10	100	160	145		
T2475	174.65 - 177.70	8	<5	35	60		
T2476	177.70 - 180.44	15	25	1450	130		
T2477	180.44 - 183.49	15	10	320	100		
T2478	183.49m - 186.61	15	15	40	180		
T2479	186.61 - 189.74	22	10	230	185		
T2480	189.74 - 192.86	22	15	110	125		
T2481	192.86 - 192.94	15	5	60	65		
T2482	192.94 - 195.99	100	330	500	165		
T2483	195.99 - 199.03	12	10	30	240		
T2484	199.03 - 202.00	18	5	25	155		
T2485	202.08 - 205.13	22	<5	20	90		
T2486	205.13 - 208.18	12	<5	12	155		
T2487	208.18 - 211.23	10	<5	10	210		
T2488	211.23 - 214.27	8	<5	20	190		
T2489	214.27 - 217.32	8	<5	25	155		
T2490	217.32 - 220.37	8	5	28	210		
T2491	220.37 - 223.42	5	20	28	150		
T2492	223.42 - 226.47	8	140	320	155		
T2493	226.47 - 229.51	5	10	35	130		
T2494	229.51 - 232.56	5	<5	20	135		
T2495	232.56 - 235.61	5	5	15	175		
T2496	235.61 - 238.66	10	<5	12	160		
T2497	238.66 - 241.71	8	5	18	165		
T2498	241.71 - 244.75	5	5	28	260		
T2499	244.75 - 247.80	8	5	40	285		
T2500	247.80 - 250.85	5	5	32	200		
T2501	250.85 - 253.90	5	5	15	195		
T2502	253.90 - 256.95	18	5	25	295		
T2503	256.95 - 260.80	38	10	25	135		
T2504	260.80 - 263.04	10	15	22	145		
T2505	263.04 - 266.09	12	20	22	135		
T2506	266.09 - 269.14	22	750	1300	180		
T2507	269.14 - 272.19	30	5	18	210		
T2508	272.19 - 275.23	15	10	15	140		
T2509	275.23 - 278.28	5	10	12	135		
T2510	278.28 - 281.33	5	30	30	150		
T2511	281.33 - 284.38	8	320	930	165		
T2512	284.38 - 287.43	12	35	35	110		
T2513	287.43 - 290.47	22	235	900	110		
T2514	290.47 - 293.52	8	25	42	140		
T2515	293.52 - 299.62	5	20	40	125		

END OF HOLE

044

640045

EL 5/63 CHESTER METRIC GRID

D.D.H. CP 6

Sample Number	Depth metres	ASSAY RESULTS					
		Cu	Pb	Zn	Ba	Ag	Au
T2417	0.00 - 3.96	28	400	28	95	<1	<0.05
T2418	3.96 - 7.00	20	145	40	75		
T2419	7.00 - 10.06	12	90	100	80		
T2420	10.06 - 13.11	32	30	120	75		
T2421	13.11 - 16.15	<2	<5	70	90		
T2422	16.15 - 19.20	100	25	90	100		
T2423	19.20 - 22.25	5	<5	75	90		
T2424	22.25 - 25.30	10	25	50	95		
T2425	25.30 - 27.43	8	<5	25	190		
T2426	27.43 - 28.34	20	<5	25	175		
T2427	28.34 - 31.34	12	5	25	170		
T2428	31.39 - 34.44	15	5	42	210		
T2429	34.44 - 37.49	12	5	32	245		
T2430	37.49 - 40.53	5	5	22	240		
T2431	40.53 - 43.58	5	<5	28	180		
T2432	43.58 - 46.63	10	<5	35	170		
T2433	46.63 - 49.68	8	10	25	130		
T2434	49.68 - 52.73	12	<5	32	145		
T2435	52.73 - 55.78	45	<5	60	275		
T2436	55.78 - 58.83	22	<5	100	220		
T2437	58.83 - 61.87	12	5	130	115		
T2438	61.87 - 64.92	2	<5	110	105		
T2439	64.92 - 67.97	5	<5	110	750		
T2440	67.97 - 71.02	5	5	120	265		
T2441	71.02 - 74.07	5	<5	95	155		
T2442	74.07 - 77.11	5	<5	120	185		
T2443	77.11 - 80.10	160	5	100	265		
T2444	80.10 - 83.25	20	15	38	115		
T2445	83.25 - 86.30	15	15	85	135		
T2446	86.30 - 89.35	8	<5	45	35		
T2447	89.35 - 92.35	12	<5	8	60		
T2448	92.35 - 95.40	35	<5	8	30		
T2449	95.40 - 98.45	2	<5	15	15		
T2450	98.45 - 101.50	5	<5	10	45		
T2451	101.50 - 104.50	8	10	10	85		
T2452	104.50 - 107.60	15	5	310	230		
T2453	107.60 - 110.64	10	<5	450	600		
T2454	110.64 - 113.69	15	5	490	465		
T2455	113.69 - 116.74	15	5	55	155		
T2456	116.74 - 119.79	8	5	250	320		
T2457	119.79 - 122.83	5	5	320	285		
T2458	122.83 - 125.88	5	10	350	225		
T2459	125.88 - 128.93	5	5	300	250		
T2460	128.93 - 131.98	5	5	430	550		
T2461	131.98 - 135.03	15	<5	420	455		
T2462	135.03 - 138.07	22	5	35	90		
T2463	138.07 - 141.12	15	5	55	265		
T2464	141.12 - 144.17	15	<5	38	250		
T2465	144.17 - 147.22	45	<5	270	100		
T2466	147.22 - 150.27	8	<5	430	145		
T2467	150.27 - 153.31	38	<5	60	140		
T2468	153.31 - 156.36	12	<5	130	285		
T2469	156.36 - 159.41	48	5	12	80		

043

640046

COMSTAFF PROPRIETARY LIMITED
CHESTER METRIC GRID - E.L.5/61
SUMMARY OF DIAMOND DRILL HOLE CP6

1. ROCK INTERSECTIONS

0.00 m to 9.60 m	Mottled green/yellow vitric-?crystal tuff with trace of pyrite.
9.60 m to 12.60 m	Mottled dark green vitric-?crystal tuff with trace of pyrite.
12.60 m to 16.50 m	Pale green lithic-vitric-?crystal tuff.
16.50 m to 36.70 m	Mottled green or yellow green vitric tuffs and vitric-crystal tuffs with up to 3% pyrite.
36.70 m to 40.53 m	Pale green vitric tuff and vitric-crystal tuff with up to 1% pyrite.
40.53 m to 49.68 m	Pale green to yellow vitric tuff containing up to 2% pyrite.
49.68 m to 55.14 m	Green to yellow-green vitric tuff with 1 - 2% pyrite.
55.14 m to 56.75 m	Fine dark green calcareous dacite.
56.75 m to 59.27 m	Dark green vitric-lithic tuff with a trace of pyrite.
59.27 m to 78.66 m	Fine dark green calcareous dacite.
78.66 m to 86.10 m	Mottled dark green, pink or grey vitric tuffs and vitric crystal tuffs with 2 - 3% pyrite.
86.10 m to 105.94 m	Mottled light/dark grey vitric tuff (agglomerate?) with 5% pyrite.
105.94 m to 108.50 m	Fine dark green calcareous dacite.
108.50 m to 109.56 m	Mottled dark green/grey vitric tuff with up to 3% pyrite.
109.56 m to 113.35 m	Fine dark green calcareous dacite.
113.35 m to 117.00 m	Light grey vitric tuff with up to 7% pyrite.
117.00 m to 134.20 m	Fine dark green calcareous dacite.
134.20 m to 145.81 m	Light grey vitric tuff with up to 7% pyrite.
145.81 m to 146.66 m	Fine dark green dacite.
146.66 m to 147.07 m	Grey agglomerate? (or mottled light/dark grey vitric tuff) with 1 - 2% pyrite.
147.07 m to 150.87 m	Fine dark green dacite.
150.87 m to 151.47 m	Grey agglomerate? with 7% pyrite.
151.47 m to 153.40 m	Grey sericitised sheared vitric tuff with 7% pyrite.
153.40 m to 154.62 m	Grey agglomerate? with 7% pyrite.
154.62 m to 156.46 m	Fine dark green dacite, most of which is not calcareous.
156.46 m to 164.20 m	Fine mottled light/dark grey vitric tuff or agglomerate? with up to 10% pyrite.
164.20 m to 171.35 m	Fine dark green dacite which is porphyritic in the upper half and for the most part is not calcareous.
171.35 m to 179.19 m	Fine grey vitric-lithic? tuff with 4 - 5% pyrite.
179.19 m to 187.93 m	Grey agglomerates, lapilli tuffs and minor vitric tuff with 2 - 5% pyrite.
187.93 m to 189.27 m	Fine yellowish-green calcareous dacite.
189.27 m to 241.70 m	Grey-green to pink agglomerates? and vitric tuffs with 4 - 6% pyrite.
241.70 m to 284.60 m	Mottled grey-green vitric crystal tuff with 2 - 4% pyrite.
284.60 m to 287.43 m	Light grey vitric tuff containing 2 - 4% pyrite.
287.43 m to 289.33 m	Grey vitric-lithic-?crystal tuff with 2 - 4% pyrite.
289.33 m to 290.47 m	Light grey vitric tuff containing 2 - 4% pyrite.
290.47 m to 299.62 m	Mottled green/white vitric-crystal tuff (or agglomerate?) with 2 - 4% pyrite.

END OF HOLE.

2. INDICATED VALUES OF ORE

No precious metals or sulphides apart from pyrite detected.

3. CORE RECOVERY

Metres drilled	299.62 m
Metres recovered	295.66 m
Percentage recovery	98.67%

4. WATER TABLE

Artesian water intersected.

5. CASING LEFT IN HOLE = Collar

6. BOREHOLE SURVEYS USING TROPARI AND ACID BOTTLES

(Notes: The Tropari values were recorded by R. McLeod (Longyear Australia Pty. Ltd.) and, where possible, were checked by Comstaff geologists. The Tropari was not tested for precision and accuracy by Comstaff).

<u>Borehole</u> Depth	<u>Inclination</u> (from horizontal)	<u>Direction</u> (Mag.)	<u>Method</u>	<u>Borehole</u>	<u>Inclination</u>	<u>Direction</u>	<u>Method</u>
Collar	30°	258°	Suunto compass,	175 m	16°	260°	Tropari
			Brunto Clinometer.	200 m	12°	260°	"
25 m	29°	250°	Tropari	200 m	13°		Acid
25 m	30½°		Acid	225 m	13°	248°	Tropari
50 m	30°	259°	Tropari	225 m	12½°		Acid
50 m	26°		Acid	250 m	12°	255°	Tropari
75 m	27°	260°	Tropari	250 m	12°		Acid
75 m	23°		Acid	275 m	12°	265°	Tropari
100 m	26°	260°	Tropari	275 m	11°		Acid
125 m	25°	260°	"	300	10°	264°	Tropari
125 m	22°		Acid				

046

640047 75-1084

aac

PROJECT NAME: COMSTAFF PROPRIETARY LIMITED

TITLE: DRILL LOG CP 11

OPEN FILE

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

CHESTER SK-55/3 MGC 6.0N 6.2E

COMMODITY/IES: Cu, Pb, Zn

TEXT PAGES NO:

PLAN NOS:

TABLE NOS:

APPENDICES:

AUTHOR/S: R.N. Smith

DATE: April 1975

AUSTRALIAN ANGLO AMERICAN LIMITED

Incorporated in the State of Victoria

048

AUSTRALIAN ANGLO AMERICAN LIMITED

640049

PROJECT: E.L. 5/63 CHESTER METRIC GRID

BOREHOLE No. CP-11

TYPE D.D.H.

CO-ORDINATES LINE 6.ON 6.2E

INCLINATION 50°

DIRECTION 203° MAGNETIC

DATE START 19.10.1974

DATE FINISH 28.10.1974

DRILLER

COMPANY LONGYEAR

FINAL DEPTH

CORE SIZE	DEPTH	DRILLED METRES	RECOVERED METRES	SAMPLE NO. AND DEPTH	DESCRIPTION	ASSAY RESULTS
					20.90 m to 23.61m Fine dark green chloritised vitric tuff containing numerous irregularly shaped equant and elongate bodies of carbonate from 2 mm to 10mm long. A 4 mm wide vein of massive chlorite at 22.65 m has a 13° core angle, and contains a trace of sphalerite.	
					23.61 m to 25.80 m Dark green vitric-crystal tuff with faint layering (?bedding) of 40° core angle. Rare traces of fine (less than 0.5 mm) pyrite is disseminated throughout.	
					25.80 m to 26.30 m Pink-brown volcanic containing fine, pink, rounded, embayed bodies of irregular shape in a fine yellow groundmass. The rock contains irregularly shaped equant inclusions of carbonate (2 mm to 10 mm across) and, from 26.00 m to 26.30 m the rock is mottled by patches of fine dark green material and in places seems to be a matrix surrounding irregular globular inclusions of the pink volcanic. A faint layering of approximately 30° core angle is visible at 25.9 m. Upper and lower contacts for this unit are gradational.	
					26.30 m to 36.55 m Fine yellow-brown vitric-crystal tuff with some plagioclase crystals (2 mm size) inclusions of carbonate are scattered throughout. A 12 mm wide quartz-chlorite vein at 27 m has a 14° core angle. A 10 mm wide carbonate vein at 33.8 m has a 20° core angle and contains traces of pyrite, galena and/or sphalerite.	
					36.55 m to 60.90 m Agglomerate ? containing vaguely defined yellow fragments in a brown-green groundmass grading in and out of fine brown-green vitric-crystal tuff. A 1 cm wide quartz vein at 43.73 m contains sphalerite (2 cm x 1 cm) and has a 42° core angle. A faint layering of rock with 27° core angle occurs at 46.9 m. Hairline shears coated by a yellow mineral have the following core angles: 27° at 48 m; 30° at 55.4 m; A 1 cm wide quartz-carbonate vein containing a trace of galena occurs at 59.13 m with a 50° core angle.	

AUSTRALIAN ANGLO AMERICAN LIMITED

PROJECT: E.L. 5/63 CHESTER METRIC GRID

640050

BOREHOLE No. CP - 11

TYPE D.D.H.

CO-ORDINATES Line 6.ON 6.2E

INCLINATION -50°

DIRECTION 203° Magnetic

DATE START 19.10.1974

DATE FINISH 28.10.1974

DRILLER

COMPANY LONGYEAR

FINAL DEPTH 204.9 m

CORE SIZE	DEPTH	DRILLED METRES	RECOVERED METRES	CHIP SAMPLE NO. AND DEPTH	DESCRIPTION	CHIP SAMPLE ASSAY RESULTS					Au	
						Cu	Pb	Zn	Ba	Ag		
BQ	45.65	3.05	3.12	T2532	3.12 m whole core, remainder broken	20	1950	1370	230	2	4.95	
"	48.70	3.05	3.07	T2533	3.07 m " " " "	5	20	110	310	<1	"	
"	51.80	3.10	3.12	T2534	3.12 m " " " "	8	30	129	265	"	"	
"	54.85	3.05	3.08	T2535	3.08 m " " " "	5	30	130	185	"	"	
"	57.90	3.05	3.09	T2536	3.09 m " " " "	5	15	90	235	"	"	
"	60.90	3.00	3.12	T2537	3.11 m " " " "	10	120	1420	255	"	"	
"	62.00	1.10	0.86	T2538	0.80 m " " " "	12	850	1040	115	"	"	
"	65.00	3.00	3.07	T2539	3.07 m " " " "	18	120	690	140	"	"	
"	68.00	3.00	3.00	T2540	3.00 m " " " "	22	485	2100	150	"	"	
"	71.00	3.00	3.11	T2541	3.11 m " " " "	12	45	130	175	"	"	
"	74.00	3.00	3.06	T2542	3.06 m " " " "	10	40	800	160	"	"	
"	77.00	3.00	3.04	T2543	3.04 m " " " "	12	365	220	150	"	"	
					60.90 m to 67.40 m Dark green vitric-lithic-crystal tuff with indistinct lighter shaded green fragments up to 1 cm across. Crystals of plagioclase (?) are scattered throughout (up to 2 mm size). The rock is stained a pink colour in large irregular patches between 62.0 m and 62.7 m. A minute trace of galena occurs in a narrow quartz pod at 64.47 m. Between 65.00 m and 65.85 m the rock contains rounded pink bodies (2 mm to 10 mm) which are not reactive to the potash stain test and are sometimes aggregated. A trace of galena and yellow (copper bearing?) pyrite occur in a carbonate veinlet at 65.4 m.							
				Petrographic sample 67.6 TA 985	67.40 m to 72.30 m Vitric-crystal tuff (or porphyritic dacite) similar to the lithology above which has been mostly stained a pink colour. Minor patches of dark green are present and probably represent the original colouration. A faint layering of the rock can be distinguished in places. (Bedding or minor shearing?) with core angles of 30° - 40°. 1% pyrite is present as irregular pods and veinlets.							
				Devitrified altered lithic tuff.	72.30 m to 79.00 m Light green vitric-crystal-lithic tuff with an abundance of yellowish white plagioclase crystals (2 - 3 mm grain size) and lithic fragments?, up to 1 cm across, which are the same colour as crystals (some 'crystals' may be small lithic fragments). The tuff is bedded at a 45° core angle. Contorted bands of pyritiferous fine light grey fock are scattered throughout; in							

AUSTRALIAN ANGLO AMERICAN LIMITED

640051

050

PROJECT: E.L. 5/63 CHESTER METRIC GRID

BOREHOLE No. CP -11

TYPE D.D.H.

CO-ORDINATES Line 6.0N 6.2E

INCLINATION -50°

DIRECTION 203° Magnetic

DATE START 19.10.1974

DATE FINISH 28.10.1974

DRILLER

COMPANY LONGYEAR

FINAL DEPTH 204.9 m

CORE SIZE	DEPTH	DRILLED METRES	RECOVERED METRES	CHIP SAMPLE NO. AND DEPTH	DESCRIPTION	CHIP SAMPLE ASSAY RESULTS					
						Cu	Pb	Zn	Ba	Ag	Au
					in places these bands appear to be emplaced by shearing at core angles of 40° to 60°. A minute trace of galena is present in a quartz veinlet (core angle = 35°) at 74.61 m. The upper and lower contacts are gradational.						
BQ	80.00	3.00	3.02	T2544	2.90 m whole core, remainder broken	12	65	1650	160	<1	<.05
"	83.00	3.00	3.01	T2545	2.98 m " " " "	5	<5	430	50	"	"
"	85.50	2.50	2.31	T2546	2.31 m " " " "	5	<5	15	25	"	"
"	88.50	3.00	2.98	T2547	2.98 m " " " "	10	<5	8	10	"	"
"	89.00	0.50	0.79	T2548	0.79 m " " " "	10	<5	5	10	"	"
"	92.00	3.00	2.99	T2549	2.99 m " " " "	2	"	8	35	"	"
"	95.00	3.00	2.92	T2550	2.90 m " " " "	2	10	15	75	"	"
"	98.00	3.00	3.09	T2551	3.04 m " " " "	2	<5	5	65	"	"
"	101.00	3.00	2.90	T2552	2.85 m " " " "	2	"	18	60	"	"
"	103.50	2.50	2.52	T2553	2.50 m " " " "	8	"	28	110	"	"
"	106.50	3.00	2.50	T2554	2.45 m " " " "	5	5	60	75	"	"
"	107.50	1.00	0.83	T2555	0.80 m " " " "	38	50	80	80	3	"
"	108.70	1.20	0.70	T2556	0.60 m " " " "	12	25	90	110	<1	"
"	110.50	1.80	1.80	T2557	1.77 m " " " "	5	<5	12	80	"	"
"	113.70	3.20	3.03	T2558	3.00 m " " " "	8	500	630	120	"	"
"	116.10	2.40	2.18	T2559	2.13 m " " " "	25	20	280	60	"	"
"	116.80	0.70	0.49		0.33 m " " " "						
"	117.40	0.60	0.32	T2560	0.06 m " " " "	5	<5	500	280	"	"
					79.00 m to 116.15 m Grey foliated sericitised pyritiferous tuff, which contains varying amounts of fine disseminated pyrite (2.6%) and is foliated as a result of shearing at core angles of 35° to 60°. A deformed band of pyrite varying in width from 2 - 4 cm (core angle = 60° approximately) occurs at 106.60 m. From 111.0 m to 116.15 m crystals of plagioclase (2 mm size) are present in the tuff. At 113.46 m, a 10 cm wide band of vughy quartz contains traces of galena and sphalerite; the band is irregular and sharply acute to the core axis. The upper contact of this lithology is gradational whereas the lower contact is sharp. The core is broken at the lower contact so that the orientation of the contact can not be measured.						

PROJECT: P.L. 5/63 CHESTER METRIC GRID

BOREHOLE No. CP - 11

TYPE D.D.H.

CO-ORDINATES Line 6.ON 6.2E

INCLINATION 50°

DIRECTION 203° Magnetic

DATE START 19.10.1974

DATE FINISH 28.10.1974

DRILLER

COMPANY LONGYEAR

FINAL DEPTH 204.9 m

CORE SIZE	DEPTH	DRILLED METRES	RECOVERED METRES	CHIP SAMPLE NO. AND DEPTH	DESCRIPTION	CHIP SAMPLE ASSAY RESULTS					
						Cu	Pb	Zn	Ba	Ag	Au
					116.15 m to 124.04 m Fine green dacite.						
					124.04 m to 135.20 m Fine light grey sericitised foliated pyritiferous vitric-crystal tuff. In places vaguely defined lighter shaded patches may represent relict agglomerate fragments. White plagioclase crystals (up to 3 mm long) are scattered throughout. The rock is foliated (caused by shearing) at core of 40° - 60° and, less comonly, at 25° - 30°. 2 - 4% pyrite is disseminated throughout.						
					135.20 m to 136.25 m Green dacite speckled by numerous fine disseminated inclusions of carbonate. The upper contact is a shear of core angle = 20° coincident to carbonate veining. The lower contact also coincides with shearing (core angle = 32°) and carbonate veinlets.						
BQ	120.05	2.65	2.65	T2560	2.55 m Whole core, remainder broken	5	<5	500	280	<1	.05
"	122.20	2.15	1.75	T2561	1.70 m " " " "	5	"	640	450	"	"
"	123.10	0.90	0.44	T2562	0.31 m " " " "	45	15	210	70	"	"
"	124.60	1.50	0.86		0.57 m " " " "						
"	125.55	0.95	1.50		1.20 m " " " "						
"	127.35	1.80	1.24	T2563	0.86 m " " " "	22	10	15	35	"	"
"	129.20	1.85	1.90	T2564	1.43 m " " " "	10	15	65	50	"	"
"	132.00	2.80	2.89	T2565	2.89 m " " " "	12	45	200	95	"	"
"	135.30	3.30	3.06	T2566	3.06 m " " " "	18	45	190	180	"	"
"	138.80	3.50	3.40	T2567	3.00 m " " " "	75	5	4000	75	"	"
"	142.70	3.90	3.84	T2568	3.65 m " " " "	12	<5	60	115	"	"
"	145.50	2.80	2.54	T2569	2.54 m " " " "	15	"	45	70	"	"
"	148.20	2.70	1.64	T2570	1.52 m " " " "	5	"	15	150	"	"
"	151.25	3.05	3.14	T2571	3.14 m " " " "	5	"	5	40	"	"
					136.25 m to 204.90 m Gray sericitised foliated pyritiferous tuff. 2.6% fine disseminated pyrite occurs throughout. In rare instances light grey agglomerate grade fragments (up to 6 cm across) are vaguely distinguished (eg. at 141.0 m). The foliation produced by shearing has core angles of 30° - 60°.						

AUSTRALIAN ANGLO AMERICAN LIMITED
 PROJECT: E.L. 5/63 CHESTER METRIC GRID

640053

052

BOREHOLE No. CP -11

TYPE D.D.H.

CO-ORDINATES Line 6.ON 6.2E

INCLINATION -50°

DIRECTION 203° Magnetic

DATE START 19.10.1974

DATE FINISH 28.10.1974

DRILLER

COMPANY LONGYEAR

FINAL DEPTH 204.9 m

CORE SIZE	DEPTH	DRILLED METRES	RECOVERED METRES	CHIP SAMPLE NO. AND DEPTH	DESCRIPTION	CHIP SAMPLE ASSAY RESULTS					
						Cu	Pb	Zn	Ba	Ag	Au
BQ	154.30	3.05	3.08	T2572	3.08 m whole core, remainder broken	12	<5	5	25	<1	<.05
"	157.35	3.05	2.98	T2573	2.95 m " " " "	12	"	5	15	"	"
"	160.35	3.00	3.02	T2574	3.02 m " " " "	2	"	8	20	"	"
"	163.40	3.05	3.11	T2575	3.11 m " " " "	18	5	5	25	"	"
"	166.45	3.05	3.00	T2576	3.00 m " " " "	5	<5	5	40	"	"
"	168.00	1.55	1.72	T2577	1.70 m " " " "	5	"	8	35	"	"
"	171.00	3.00	3.08		3.00 m " " " "						
"	174.05	3.05	3.11	T2578	3.11 m " " " "	5	"	5	40	"	"
"	177.10	3.05	3.09	T2579	3.09 m " " " "	5	"	5	30	"	"
"	180.20	3.10	3.12	T2580	3.12 m " " " "	8	"	5	40	"	"
"	183.30	3.10	3.19	T2581	3.15 m " " " "	5	"	5	35	"	"
"	186.35	3.05	3.15	T2582	3.00 m " " " "	8	"	8	45	"	"
"	189.40	3.05	2.99	T2583	2.99 m " " " "	5	5	5	50	"	"
"	192.50	3.10	3.02	T2584	3.00 m " " " "	8	<5	20	40	"	"
"	195.60	3.10	3.15	T2585	3.10 m " " " "	5	"	8	20	"	"
"	198.70	3.10	3.05	T2586	3.00 m " " " "	5	10	5	40	"	"
"	201.80	3.10	3.06	T2587	2.95 m " " " "	2	<5	8	45	"	"
"	204.90	3.10	3.12	T2588	3.10 m " " " "	5	"	1	30	"	"
END OF HOLE											

053

64004

COMSTAFF PROPRIETARY LIMITED

CHESTER METRIC GRID - E.L. 5/63

SUMMARY OF DIAMOND DRILL HOLE CP 11

1. ROCK INTERSECTIONS

0.00 m to 13.60 m	Fine dark green vitric-crystal tuff.
13.60 m to 20.90 m	Greenish brown agglomerate (?) or mottled vitric-crystal tuff. A trace of pyrite, sphalerite and galena is present.
20.90 m to 23.61 m	Fine dark green chloritised vitric tuff with a trace of sphalerite.
23.61 m to 25.80 m	Fine dark green vitric-crystal tuff with a trace of pyrite.
25.80 m to 26.30 m	Pink-Brown volcanic.
26.30 m to 36.55 m	Fine yellow-brown vitric-crystal tuff with a trace of pyrite, galena and/or sphalerite.
36.55 m to 60.90 m	Agglomerates (?) and brown-green vitric-crystal tuffs with a trace of galena.
60.90 m to 72.30 m	Fine brown vitric-crystal tuff with 1% pyrite.
72.30 m to 79.00 m	Light green vitric-crystal-lithic tuff with a trace of pyrite.
79.00 m to 116.15 m	Grey foliated sericitised pyritiferous tuff with 2 - 6% pyrite.
116.15 m to 124.04 m	Fine green dacite.
124.04 m to 135.20 m	Grey foliated sericitised pyritiferous vitric-crystal tuff with 2 - 4% pyrite.
135.20 m to 136.25 m	Green dacite with numerous fine inclusions of carbonate.
136.25 m to 204.90 m	Same for 79.00 m to 116.15 m.

END OF HOLE

2. INDICATED VALUES OF ORE

Assay results from chip sampling of drill core were generally low with the exception of Zinc values for samples T 2540 (2100 ppm) and T 2567 (4000 ppm)

3. OVERALL CORE RECOVERY

Metres drilled - 204.9 m
 Metres recovered - 194.14 m
 Percentage recovery 94.75 %

4. WATER TABLE

5. CASING LEFT IN HOLE 5' NW casing in collar.

6. BOREHOLE SURVEYS USING TROPARI AND ACID BOTTLE

Note - The Tropari was found to give inaccurate compass bearings hence the values presented below only give an approximate direction. The bearings ranged from 1° below to 6° above the correct value during tests. For details of the Tropari tests refer to the Chester Borehole Survey File, Waratah Office. Acid readings have been corrected for capillarity.

<u>DEPTH</u> metres	<u>DIP</u>	<u>DIRECTION</u> (Magnetic)	<u>METHOD</u>
Collar	50	203°	Suunto compass, Brunton clinometer.
25	49	200°	Tropari
50	46	198	Tropari
50	46		Acid
75	43	204	Tropari
75	43½		Acid
100	39	204	Tropari
100	43		Acid
125	36	205	Tropari
125	37½		Acid
150	34	205	Tropari
205	33	221	Tropari

054

640055 75-1084

aac

PROJECT NAME: COMSTAFF PROPRIETARY LIMITED

TITLE: DRILL LOG CP 16

OPEN FILE

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

CHESTER SK-55/3 MCG 4N 6.0E

COMMODITY/IES:

Cu, Pb, Zn.

TEXT PAGES NO:

PLAN NOS:

TABLE NOS:

APPENDICES:

AUTHOR/S:

R.N. Smith

DATE:

April 1975

AUSTRALIAN ANGLO AMERICAN LIMITED

AUSTRALIAN ANGLO AMERICAN LIMITED

PROJECT: E.L. 5/63 CHESTER METRIC GRID.

BOREHOLE No. CP 16

TYPE D.D.H.

CO-ORDINATES 4N 6.0E

INCLINATION 45³/₄°

DIRECTION 075° MAG.

DATE 18.4.75

DATE 23.4.75

DRILLER

COMPANY LONGYEAR

FINAL DEPTH 200.00 m

N.W.P.S.

CORE SIZE	DEPTH metres	DRILLED METRES	RECOVERED METRES	SAMPLE NO. AND DEPTH		DESCRIPTION	chip sample ASSAY RESULTS								
				whole core	chip		Cu	Pb	Zn	Ba	Au	Ag			
NQ	0.00					0.00 m to 11.05 m.									
	6.05	6.05	2.15	1.20	T2589	Fine light grey green tuff containing numerous rounded cavities (2-5 mm size), some of which are lined with quartz crystals (the remaining cavities may be vughs or due to weathering away of lithic fragments. Traces of fine disseminated pyrite are present.	12	2	120	50	<0.05	<1			
	9.05	3.00	2.16	0.95	T2590		8	8	80	60	"	"			
	12.05	3.00	2.88	1.50	T2591		8	5	55	65	"	"			
						11.05 m to 73.60 m									
	14.05	2.00	2.23	0.50	T2592	Fine to medium grained grey-green or pale yellow vitric-crystal?-lithic tuff which contains numerous 2-5 mm vughs lined with quartz crystals and chlorite, the rock also contains numerous elongate chloritised crystals and/or lithic fragments (2-5mm) which are aligned at 43°-50° to the core axis to define bedding. Occasional fine green subangular to rounded lithic fragments (1-2 cm size) are present.	8	<5	75	50	"	"			
	17.05	3.00	2.95	1.45	T2593		10	10	100	70	"	"			
	20.05	3.00	2.78	1.30	T2594		15	8	70	45	"	"			
	23.05	3.00	2.51	1.10	T2595		12	5	80	50	"	"			
	27.05	4.00	3.69	1.75	T2596		8	8	100	50	"	"			
	30.05	3.00	3.18	2.10	T2597		12	5	130	45	"	"			
	33.05	3.00	2.75	1.15	T2598	Some quartz crystals are also present in the tuff (2 mm size). From 46.65 m the tuff is, in places, a pale brown colour. Bedding as defined by aligned crystals and/or lithic fragments is 45° to the core axis at 55.5 m. A network of grey quartz (+carbonate?) occurs from 72.3 m to 72.6 m. T428 Petrographic sample (24.6 m depth) has been identified as:	10	8	100	60	"	"			
	36.05	3.00	2.14	1.25	T2599		5	5	110	65	"	"			
	39.65	3.60	1.98	0.30	T2600		8	8	80	50	"	"			
	41.65	2.00	3.06	2.10	T2601		10	<5	105	60	"	"			
	44.65	3.00	3.44	1.55	T2602		8	5	100	45	"	"			
	47.65	3.00	3.13	2.55	T2603		8	<5	110	55	"	"			
NQ/BQ	50.65	3.00	1.04	0.97	T2604		15	<5	75	115	"	"			
BQ	53.65	3.00	1.77	1.76	T2605		8	<5	40	130	"	"			
	56.78	3.13	3.05	3.01	T2606		12	<5	55	95	"	"			
	59.78	3.00	2.94	2.91	T2607		12	<5	70	110	"	"			
	62.78	3.00	3.03	3.01	T2608		10	5	65	120	"	"			
	65.78	3.00	3.21	3.12	T2609		8	5	90	90	"	"			
	68.78	3.00	3.02	2.87	T2610		8	5	75	110	"	"			
	71.32	2.54	2.40	2.40	T2611	73.60 m to 74.12 m Fine green dacite. The upper contact is at 60° to the core axis. The dacite contains 2 mm vesicles near the upper contact.	15	5	60	85	"	"			
	74.32	3.00	3.13	3.00	T2612		35	8	160	60	"	"			
	77.43	3.11	3.15	3.10	T2613		20	5	70	65	"	"			
						74.12 m to 76.3 m Fine green vitric tuff with occasional impregnations of chlorite.									
	79.77	2.34	2.41	2.30	T2614	76.3 m to 84.72 m pale yellow or brown-green vitric-crystal?-lithic tuff as between 11.05 m and 73.60 m, but crystals and/or lithic fragments are only vaguely aligned.	12	5	60	70	"	"			
	82.77	3.00	3.12	3.12	T2615		12	<5	45	110	"	"			
	85.72	2.95	2.40	2.24	T2616		40	<5	55	125	"	"			

AUSTRALIAN ANGLO AMERICAN LIMITED

PROJECT: E.L. 5/63 CHESTER METRIC GRID

BOREHOLE No. CP 16

TYPE

CO-ORDINATES

INCLINATION

DIRECTION

DATE START

DATE FINISH

DRILLER

COMPANY

FINAL DEPTH

N.W.P.S.

CORE SIZE	DEPTH	DRILLED METRES	RECOVERED METRES	SAMPLE NO. AND DEPTH		DESCRIPTION	Chip sample ASSAY RESULTS					
				Whole core	Chip sample No.		Cu	Pb	Zn	Ba	Au	Ag
BQ	85.72 to 88.72	3.00	2.97	2.97	T2617	84.72 m to 93.2 m. Fine brownish green vitric tuff with occasional	20	<5	55	120	<0.05	<1
	91.72	3.00	3.00	3.00	T2618	fine green lithic fragments. (up to 2 cm long). Faint bedding at	8	<5	50	115	"	"
	94.72	3.00	3.27	3.20	T2619	55° core angle.	12	<5	50	115	"	"
	98.10	3.38	3.41	3.37	T2620	93.2 m to 99.10 m Brown-green vitric-crystal?-lithic tuff as	12	<5	60	110	"	"
	101.15	3.05	3.05	2.95	T2621	between 11.05 m and 73.60 m.	10	5	105	60	"	"
	104.62	3.47	3.55	3.20	T2622	99.10 m to 104.82 m As above but the rock is altered and bleached	38	5	85	70	"	"
	107.62	3.00	3.03	2.93	T2623	to a pale yellow colour.	10	5	65	55	"	"
	110.05	2.43	2.43	2.35	T2624	104.82 m to 109.95 m Brownish green vitric-crystal?-lithic tuff as	12	10	105	70	"	"
	113.05	3.00	3.06	2.63	T2625	between 11.05 m and 73.60 m. Faintly bedded at 50-55° to the core	18	25	110	50	"	"
	116.22	3.17	2.49	2.00	T2626	axis.	18	<5	100	75	"	"
	120.58	3.36	4.00	3.88	T2627	109.95 m to 113.35 m Fine green vitric tuff or lava containing	22	<5	55	85	"	"
	123.97	3.39	3.63	2.60	T2628	globular green siliceous amygdales(?) or spherulites which range in	15	<5	75	80	"	"
	126.97	3.00	3.00	3.00	T2629	size from 2 mm across (equant) to 10 mm long/(elongate). The	8	<5	60	125	"	"
	129.60	2.63	2.63	2.62	T2630	amygdales are indistinctly aligned at approximately a 40° core angle.	8	<5	70	135	"	"
	132.55	2.95	2.92	2.42	T2631	The rock is altered and slightly limonitised from 110.8 m to 113.35m.	10	<5	65	105	"	"
	135.18	2.63	2.63	2.58	T2632	113.35 m to 146.75 m Fine to medium grained brown-green vitric-	12	5	60	125	"	"
	138.75	3.57	3.63	3.44	T2633	crystal?-lithic tuff as between 11.05 m and 73.60 m grading into and	25	10	60	105	"	"
	141.75	3.00	3.00	3.00	T2634	out of minor sections of fine brown green vitric tuff. Crystal and/	8	5	60	120	"	"
	144.75	3.00	3.00	3.00	T2635	or lithic fragments are chloritised, indistinctly outlined, 2-3 mm	15	<5	65	110	"	"
	147.75	3.00	2.97	2.97	T2636	long, and are aligned at 55-60° to the core axis to define bedding.	12	<5	60	135	"	"
						Fine green rounded lithic fragments (1-2 cm across) are occasionally						
						seen.						
	150.80	3.05	3.05	3.04	T2637	146.75 m to 154.24 m Fine to medium grained brown-green vitric?	22	5	65	115	"	"
	153.80	3.00	2.97	2.97	T2638	lithic tuff containing some quartz crystals. Identified in thin	32	12	50	130	"	"
						section (sample T429 at 152.60 m) as:						
	157.12	3.32	3.50	2.73	T2639	154.24 m to 159.60 m Brown-green vitric-crystal lithic tuff as	8	<5	55	110	"	"
	160.12	3.00	3.03	3.01	T2640	between 11.05 m and 73.60 m. The chloritised crystals and/or lithic	12	5	70	110	"	"
						fragments are essentially unaligned. The rock is iron stained from						
						155.24 m to 156.12 m.						

AUSTRALIAN ANGLO AMERICAN LIMITED

PROJECT: EL 5/63 CHESTER METRIC GRID

BOREHOLE No. CP 16

TYPE D.D.H.

CO-ORDINATES

INCLINATION

DIRECTION

DATE START

DATE FINISH

DRILLER

COMPANY

FINAL DEPTH

N.V.P.S.

CORE SIZE	DEPTH	DRILLED METRES	RECOVERED METRES	SAMPLE NO. AND DEPTH		DESCRIPTION	ASSAY RESULTS					
				Whole metres	Chip sample No.		Cu	Pb	Zn	Ba	Au	Ag
BQ	160.12 to 163.69	3.57	3.64	3.25	T2641	159.60 m to 169.48 m Fine green to grey-green vitric-lithic? tuff	12	30	65	65	20.05	1
	167.48	3.79	3.85	3.20	T2642	(with gradational contacts as shown by all the tuffaceous lithologies above). Indistinct chloritised crystals and/or lithic fragments	18	25	85	50	"	"
	170.48	3.00	3.05	2.90	T2643	are occasionally present. Localised sections of the rock are iron stained.	48	18	70	80	"	"
	173.48	3.00	3.01	3.01	T2644	169.48 m to 178.48 m Fine to medium grained grey-green vitric-	10	10	60	150	"	"
	176.48	3.00	2.98	2.98	T2645	crystal?-lithic tuff. Identified in thin section (T430 at 176.2m)	8	8	60	130	"	"
	178.48	2.00	2.00	2.00	T2646	as:	12	8	60	150	"	"
	181.45	2.97	2.99	2.99	T2647	178.48 m to 200.00 m Fine to medium grained brown-green vitric-cry	8	5	60	125	"	"
	184.50	3.05	3.06	3.06	T2648	crystal?-lithic tuff as between 11.05 m and 73.60 m. A vughy	8	8	55	95	"	"
	187.55	3.05	3.05	3.05	T2649	quartz vein cuts the rock parallel to the core axis between 185.2 m	5	5	45	500	"	"
	190.60	3.05	2.95	2.95	T2650	and 190.0 m.	5	8	50	150	"	"
	193.65	3.05	3.02	3.02	T2651		32	6	55	125	"	"
	196.70	3.05	3.05	3.05	T2652		8	45	55	180	"	"
	200.00	3.30	3.22	3.22	T2653		18	5	60	130	"	"
END OF HOLE												

SUMMARY SHEET

NQ core to: 48.75 m BQ core to: 200.00 m End of Hole: 200.00 m

1. SURVEY DATA

Depth	Inclination		Azimuth
	Uncorr.	Corr.	
0	46		077½
29	45½		incorrect
56	43½		082
81	38		081
104	34		082
126	30		082
150	25½		082½
175	22½		083
200	17		083½

Instrument: Eastman Camera.

2. LOG SUMMARY

Rock Type	Mineralisation	
	Style	Grade
<u>0.00 m to 11.05 m</u> Fine light grey-green vughy tuff.	Fine disseminated pyrite.	Trace
<u>11.05 m to 73.60 m</u> Fine to medium grained grey-green, pale brown or pale yellow vitric-crystal?-lithic tuff.		
<u>73.60 m to 74.12 m</u> Fine green dacite.		
<u>74.12 m to 76.3 m</u> Fine green vitric tuff.		
<u>76.3 m to 84.72 m</u> Pale yellow or brown-green equivalent of the tuff between 11.05 m and 73.60 m.		
<u>84.72 m to 93.2 m</u> Fine brownish green vitric tuff.		
<u>93.2 m to 99.10 m</u> Brown-green equivalent of the tuff between 11.05 m and 73.60 m.		
<u>99.10 m to 104.82 m</u> As above but the rock is altered to a pale yellow colour.		
<u>104.82 m to 109.95 m</u> Brown-green equivalent to tuff from 11.05 m to 73.60 m.		
<u>109.95 m to 113.35 m</u> Green vitric tuff or lava containing amygdalites or spherulites.		
<u>113.35 m to 146.75 m</u> Brown-green equivalent of tuff from 11.05 m to 73.60 m.		
<u>146.75 m to 154.24 m</u> Fine to medium grained brown-green vitric-crystal-lithic tuff containing some quartz crystals.		
<u>154.24 m to 159.60 m</u> Brown-green equivalent of tuff between 11.05 m and 73.60 m.		
<u>159.60 m to 169.48 m</u> Fine green to grey-green vitric-lithic? tuff.		
<u>169.48 m to 178.48 m</u> Fine to medium grained grey-green vitric-crystal?-lithic tuff.		
<u>178.48 m to 200.00 m</u> Brown-green equivalent of the tuff between 11.05 m and 73.60 m.		

END OF HOLE

All Pb Zn Cu < 160 ppm

640639

CP 16 SUMMARY (contin.)

3. INDICATED VALUES OF ORE

The lack of visible mineralisation is born out by assay results from chip sampling of the drill core. All Cu. Pb and Zn results are less than 160 ppm.

4. CORE RECOVERY

	<u>overall</u>
metres drilled	0 to 200.00 m
metres recovered	189.85 m
percentage recovery	94.92 %

5. WATER TABLE

Not recorded - lost water.

6. CASING LEFT IN HOLE

3 m x NW casing and 1 rod shoe.

Sample number	Depth metres	ASSAY RESULTS					
		Cu	Pb	Zn	Ba	Ag	Au
T2589	0.00 - 6.05	12	12	120	50	<1	<0.05
T2590	6.05 - 9.03	8	8	80	60		
T2591	9.03 - 12.05	8	5	55	65		
T2592	12.05 - 14.05	8	<5	75	50		
T2593	14.05 - 17.05	10	10	100	70		
T2594	17.05 - 20.05	15	8	70	45		
T2595	20.05 - 23.05	12	n5	80	50		
T2596	23.05 - 27.05	8	8	100	50		
T2597	27.05 - 30.05	12	5	130	45		
T2598	30.05 - 33.05	10	3	100	60		
T2599	33.05 - 36.05	5	5	110	65		
T2600	36.05 - 39.65	8	8	80	50		
T2601	39.65 - 41.65	10	<5	105	60		
T2602	41.65 - 44.65	8	5	100	45		
T2603	44.65 - 47.65	8	<5	110	55		
T2604	47.65 - 50.65	15	<5	75	115		
T2605	50.65 - 53.65	8	<5	40	130		
T2606	53.65 - 56.78	12	<5	55	95		
T2607	56.78 - 59.78	12	<5	70	110		
T2608	59.78 - 62.78	10	5	65	120		
T2609	62.78 - 65.78	8	5	90	90		
T2610	65.78 - 68.78	8	5	75	110		
T2611	68.78 - 71.32	15	5	60	85		
T2612	71.32 - 74.32	35	8	160	60		
T2613	74.32 - 77.43	20	5	70	65		
T2614	77.43 - 79.77	12	5	60	70		
T2615	79.77 - 82.77	12	<5	45	110		
T2616	82.77 - 85.72	40	<5	55	125		
T2617	85.72 - 88.72	20	<5	55	120		
T2618	88.72 - 91.72	8	n5	50	115		
T2619	91.72 - 94.72	12	<5	50	115		
T2620	94.72 - 98.10	12	<5	60	110		
T2621	98.10 - 101.15	10	5	105	60		
T2622	101.15 - 104.62	38	5	85	70		
T2623	104.62 - 107.62	10	<5	65	55		
T2624	107.62 - 110.05	12	10	105	70		
T2625	110.05 - 113.05	18	25	110	50		
T2626	113.05 - 116.22	18	<5	100	75		
T2627	116.22 - 120.58	22	<5	55	85		
T2628	120.58 - 123.97	15	<5	75	80		
T2629	123.97 - 126.97	8	<5	60	125		
T2630	126.97 - 129.60	8	<5	70	135		
T2631	129.60 - 132.55	10	<5	65	105		
T2632	132.55 - 135.78	12	5	60	125		
T2633	135.78 - 138.75	25	10	60	105		
T2634	138.75 - 141.75	8	5	60	120		
T2635	141.75 - 144.75	15	<5	65	110		
T2636	144.75 - 147.75	12	<5	60	135		
T2637	147.75 - 150.80	22	5	65	115		
T2638	150.80 - 153.80	32	12	50	130		
T2639	153.80m- 157.12	8	<5	55	110		
T2640	157.12 - 160.12	12	5	70	110		
T2641	160.12 - 163.69	12	30	65	65		
T2642	163.69 - 167.48	18	25	85	50		
T2643	167.48 - 170.48	48	18	70	80		

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EL 5/63 CHESTER METRIC GRIDCP 16 (contin)

Sample Number	Depth metres	Assay Results					
		Cu	Pb	Zn	Ba	Ag	Au
T2644	170.48 - 173.48	10	10	60	150	<1	<0.05
T2645	173.48 - 176.48	8	8	60	130		
T2646	176.48 - 178.48	12	8	60	150		
T2647	178.48 - 181.45	8	5	60	125		
T2648	181.45 - 184.50	8	8	55	95		
T2649	184.50 - 187.55	5	5	45	500		
T2650	187.55 - 190.60	5	8	50	150		
T2651	190.60 - 193.65	32	6	55	125		
T2652	193.65 - 196.70	8	5	55	180		
T2653	196.70 - 200.00	18	5	60	130		

END OF HOLE

640062

062

640063 75-1084

aac

PROJECT NAME: COMSTAFF PROPRIETARY LIMITED

TITLE: DRILL LOG CP 17

OPEN FILE

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

CHESTER SK 55/3 MCG 5N 6.04E

COMMODITY/IES:

Cu, Pb, Zn,

TEXT PAGES NO:

PLAN NOS:

TABLE NOS:

APPENDICES:

AUTHOR/S: R.N. Smith

DATE: April 1975

AUSTRALIAN ANGLO AMERICAN LIMITED

Incorporated in the State of Victoria

AUSTRALIAN ANGLO AMERICAN LIMITED

PROJECT: E.L. 5/63 CHESTER METRIC GRID

BOREHOLE No. CP 17

TYPE D.D.H.

CO-ORDINATES Line 5N 6.04E

INCLINATION 45°

DIRECTION 077½° Magnetic.

DATE 24th April 1975

DATE 29th April 1975

DRILLER

COMPANY LONGYEAR

FINAL DEPTH

N.W.P.S.

CORE SIZE	DEPTH metres	DRILLED METRES	RECOVERED METRES	SAMPLE NO. AND DEPTH	DESCRIPTION	ASSAY RESULTS
	0.00			Whole		
NQ	to			Core		
	1.00	1.00	0.41	0.00	Glacial overburden.	
	2.00	1.00	0.41	0.00	" "	
	3.00	1.00	0.41	0.00	" "	
	4.00	1.00	1.05	0.95	Fine to medium grained, pale green, porous vitric-crystal tuff containing primary crystals of quartz. Epigenetic quartz and trace pyrite in small vughs.	
	5.00	1.00	1.05	0.90	As above.	
	6.00	1.00	1.05	0.90	As above. Grading into next lithology at 6.00 metres.	
	7.00	1.00	0.98	1.05	Fine green porphyry or crystal tuff containing weathered feldspars (2 mm size) faintly sheared at 45° to core axis grading into an agglomerate with vaguely discernable angular-subrounded pale brown or yellow fragments (2 cm to 5 cm across) in a fine dark green groundmass.	
	8.00	1.00	0.98	0.98	Agglomerate as above with occasional pods of quartz-carbonate and sporadic concentrations of yellow crystal pseudomorphs (1-3 mm).	
	9.00	1.00	0.98	0.98	As above.	
	10.00	1.00	1.04	1.04	As above.	
	11.00	1.00	1.04	1.04	As above, grading into a crystal-lithic (?) tuff, consisting of vague pale brown fragments (up to 1 cm across) in a fine green groundmass which is speckled by yellow crystal pseudomorphs (0.5 mm - 2 mm). Trace Pyrite. Sporadic disseminated spots of dark green chlorite occur.	
	12.00	1.00	1.04	0.90	As above. Faint shearing or bedding occurs (core angle 50°)	
NQ/BQ(12.15)	13.00	1.00	1.03	1.03	As above but containing vague brown patches up to 3.0 cm across (groundmass alteration or relict fragments).	
BQ	14.00	1.00	1.01	1.01	Fine green-brown tuff with a trace of disseminated pyrite.	
	15.00	1.00	0.97	0.97	As above.	
	16.00	1.00	0.97	0.97	Green crystal-lithic tuff with white crystals and/or lithic fragments (up to 3 mm). Carbonate inclusions (up to 6 mm) present.	
	17.00	1.00	0.98	0.98	As above grading into agglomerate with vague pale brown or yellow fragments (up to 6 cm across) in a dark brownish green groundmass. Trace of fine disseminated pyrite.	
	18.00	1.00	0.99	0.99	As above.	
	19.00	1.00	0.99	0.99	As above. Quartz-chlorite vein at 18.20 m (core angle = 23°)	

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AUSTRALIAN ANGLO AMERICAN LIMITED

PROJECT: E.L. 5/63 CHESTER METRIC GRID

BOREHOLE No. CP 17

TYPE D.D.H.

CO-ORDINATES

INCLINATION

DIRECTION

DATE START

DATE FINISH

DRILLER

COMPANY

FINAL DEPTH

N.W.P.S.

CORE SIZE	DEPTH	DRILLED METRES	RECOVERED METRES	SAMPLE NO. AND DEPTH	DESCRIPTION	ASSAY RESULTS
BQ	19.00	1.00		Whole Core metres		
	to 20.00	1.00	0.99	0.99	As above (agglomerate fragments imbricated at 40° core angle) grading into a fine yellowish green tuff with disseminated spots of chlorite (2 mm size). Faint shears at 31° core angle. Occasional inclusions of carbonate (0.5 - 1.0 cm size).	
	21.00	1.00	1.01	1.01	Lithology above grades into agglomerate with vague yellowish or brownish fine grained fragments (up to 6 cm across) in a fine brown or brown-green groundmass. In some instances the fragmental appearance may be due to rock alteration.	
	22.00	1.00	1.01	1.01	As above.	
	23.00	1.00	1.01	1.01	As above.	
	24.00	1.00	1.00	1.00	Sequence of fine green brown tuff grading into and out of the "agglomerate" described above.	
	25.00	1.00	1.00	1.00	As above.	
	26.00	1.00	1.00	1.00	As above.	
	27.00	1.00	1.01	1.01	As above.	
	28.00	1.00	1.01	1.01	As above, chlorite vein at 27.5 m (core angle = 20°)	
	29.00	1.00	1.01	1.01	As above.	
	30.00	1.00	0.98	0.98	As above.	
	31.00	1.00	0.98	0.98	Fine brown-green tuff with occasional yellow-stained shears (core angle = 40°). Vague faint brown fragments of agglomerate grade are rarely present.	
	32.00	1.00	0.98	0.98	As above.	
	33.00	1.00	1.02	1.02	As above.	
	34.00	1.00	1.02	1.02	As above.	
	35.00	1.00	1.02	1.02	As above.	
	36.00	1.00	1.05	1.05	As above.	
	37.00	1.00	1.05	1.05	As above, Quartz vein at 36.00m (20° core angle).	
	38.00	1.00	1.05	1.05	Rock type as above grading into a fine grey-green to brown tuff containing numerous carbonate blebs (1 mm size) and sporadic pods of carbonate (0.5-1.0 cm size) and bands of fine shearing (core angle = 40-45°) accompanied with yellowish brown iron oxide alteration. Occasional patches of lighter colour may be relict fragments or areas which were altered to a different extent to the rest of the rock.	

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640066

APPENDIX 1.

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AUSTRALIAN ANGLO AMERICAN LIMITED

PROJECT: E.L 5/63 CHESTER METRIC GRID

BOREHOLE No. CP 17

TYPE D.D.H.

CO-ORDINATES

INCLINATION

DIRECTION

DATE START

DATE FINISH

DRILLER

COMPANY

FINAL DEPTH

N.W.P.S.

CORE SIZE	DEPTH	DRILLED METRES	RECOVERED METRES	SAMPLE NO. AND DEPTH	DESCRIPTION	ASSAY RESULTS			
BQ	38.00 to 39.00	1.00	1.00	1.00	Fine grey-green to brown tuff as above.				
	39.00 to 40.00	1.00	1.00	1.00	As above.				
	40.00 to 41.00	1.00	1.00	1.00	As above.				
	41.00 to 42.00	1.00	0.96	0.96	As above.				
	42.00 to 43.00	1.00	0.96	0.96	As above.				
	43.00 to 44.00	1.00	0.96	0.96	As above.				
	44.00 to 45.00	1.00	0.94	0.94	As above.				
	45.00 to 46.00	1.00	0.94	0.94	As above.				
	46.00 to 47.00	1.00	0.94	0.94	As above.				
	47.00 to 48.00	1.00	1.00	1.00	As above.				
	48.00 to 49.00	1.00	1.01	1.01	As above.				
	49.00 to 50.00	1.00	1.01	1.01	As above.				
	50.00 to 51.00	1.00	1.00	1.00	Fine grey-green tuff speckled by numerous blebs of carbonate (0.5-2.0 mm). Occasionally larger inclusions of carbonate (up to 1 cm across) are present. Occasionally lighter coloured patches are present and may represent relict fragments.				
	51.00 to 52.00	1.00	1.00	1.00	As above.				
	52.00 to 53.00	1.00	1.00	1.00	As above.				
	53.00 to 54.00	1.00	1.00	1.00	As above.				
	54.00 to 55.00	1.00	1.00	1.00	As above.				
	55.00 to 56.00	1.00	1.00	1.00	As above.				
	56.00 to 57.00	1.00	1.00	1.00	As above.				
	57.00 to 58.00	1.00	1.00	1.00	As above.				
	58.00 to 59.00	1.00	1.00	1.00	As above.				
	59.00 to 60.00	1.00	0.99	0.99	As above.				
	60.00 to 61.00	1.00	0.99	0.99	As above.				
	61.00 to 62.00	1.00	0.99	0.99	As above.				
	62.00 to 63.00	1.00	1.01	1.01	As above.				
	63.00 to 64.00	1.00	1.01	1.01	As above.				
	64.00 to 65.00	1.00	1.01	1.01	As above.				
	65.00 to 66.00	1.00	1.01	1.01	As above.				
	66.00 to 67.00	1.00	1.01	1.01	As above.				
	67.00 to 68.00	1.00	1.01	1.01	As above.				

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AUSTRALIAN ANGLO AMERICAN LIMITED

PROJECT: E.L. 5/63 CHESTER METRIC GRID

BOREHOLE No. CP 17

TYPE D.D.H.

CO-ORDINATES

INCLINATION

DIRECTION

DATE START

DATE FINISH

DRILLER

COMPANY

FINAL DEPTH

N.W.P.S.

CORE SIZE	DEPTH	DRILLED METRES	RECOVERED METRES	SAMPLE NO. AND DEPTH	DESCRIPTION	ASSAY RESULTS
BQ	68.00 to 69.00	1.00	1.01	1.01	As above.	
	69.00 to 70.00	1.00	0.99	0.99	As above.	
	70.00 to 71.00	1.00	0.99	0.99	As above.	
	71.00 to 72.00	1.00	0.99	0.99	Fine green tuff as above with sporadic carbonate pods (0.5-1.0 cm) but no fine carbonate inclusions.	
	72.00 to 73.00	1.00	1.01	1.01	Fine green tuff impregnated by iron staining at 73.0 m.	
	73.00 to 74.00	1.00	1.01	1.01	Fine green tuff with faint brown patches up to 10 cm across.	
	74.00 to 75.00	1.00	1.01	1.01	Fine green tuff.	
	75.00 to 76.00	1.00	0.99	0.99	Fine green tuff with local concentrations of carbonate pods.	
	76.00 to 77.00	1.00	0.99	0.99	As above.	
	77.00 to 78.00	1.00	1.03	1.03	Fine green tuff containing local concentrations of globular embayed bodies of fine grey quartz (1.0 cm across) which in places merge together. Inclusions of carbonate (1-5 mm) occur sporadically. A 10 cm long vugh of quartz euhedra and chlorite occurs at 78.00 m (core angle = 0°).	
	78.00 to 78.73	0.73	0.82	0.70	Fine pale green vitric-crystal tuff containing white subhedral feldspar crystals (1-2 mm in size) and a trace of fine disseminated pyrite.	
	78.73 to 79.73	1.00	1.13	1.00	As above. Quartz-chlorite vein occurs at 78.73 m (10° core angle).	
	79.73 to 80.73	1.00	1.13	1.00	As above.	
	80.73 to 81.73	1.00	0.92	0.92	As above.	
	81.73 to 82.73	1.00	0.92	0.92	As above. A chlorite vein occurs at 82.1 m (20° core angle).	
	82.73 to 83.73	1.00	0.92	0.85	As above. A yellow discolouration occurs at 83.2 m.	
	83.73 to 84.73	1.00	1.06	0.90	Fine mottled pale pink-green tuff with localised chlorite infillings in pore spaces. Trace of fine disseminated pyrite. A chlorite vein with 20° core angle occurs at 84.20 m.	
	84.73 to 85.73	1.00	1.07	0.95	As above grading into a fine green-grey vitric crystal tuff with pale pink-brown feldspar subhedral crystals (2mm-5 mm size)	
	85.73 to 86.73	1.00	1.07	1.00	Green-grey vitric crystal tuff as above.	
	86.73 to 87.73	1.00	0.99	0.95	As above, gradually decreasing in crystal content and then grading into a 30 cm band enriched in crystals (up to 3 mm size) and containing sporadic silica-encrusted vughs. A faint layering (40° core angle) is visible in this 30 cm band.	
	87.73 to 87.85				Petrographic sample T426	
	87.85 to 88.73	1.00	0.98	0.98	Described as: devitrified altered, incipiently sheared porphyritic dacite.	

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AUSTRALIAN ANGLO AMERICAN LIMITED

PROJECT: E.L. 5/63 CHESTER METRIC GRID

BOREHOLE No. CP 17

TYPE D.D.H.

CO-ORDINATES

INCLINATION

DIRECTION

DATE START

DATE FINISH

DRILLER

COMPANY

FINAL DEPTH

N.W.P.S.

CORE SIZE	DEPTH	DRILLED METRES	RECOVERED METRES	SAMPLE NO. AND DEPTH	DESCRIPTION	ASSAY RESULTS			
BQ	87.73 to 88.73	1.00	0.98	Whole Core metres 0.98	Pale pink-green vitric-lithic-?crystal tuff (?) or tuff lava containing disseminated dark green anhedral-subhedral crystal ? Pseudomorphs. Occasional rounded fine green fragments of lapilli grade are present. Quartz lined vughs (2mm to 1 cm across) are present, often aligned at core angles of 35 - 50°, indicative of a lava flow perhaps. The groundmass is mottled by patches of pale brown and green, which may represent relict agglomerate or lava breccia fragments.				
	89.73	1.00	0.98	0.98	As above.				
	90.79	1.06	1.04	1.04	As above, grading at 90.0 m into a fine yellowish grey tuff (?) speckled by disseminated chloritic spots (1-4 mm size). The rock is faintly layered at 55° core angle.				
	91.79	1.00	0.98	0.80	Fine green dacite with vesicles near upper and lower contacts. The upper contact and its associated aligned vesicles have a 45° core angle.				
	92.08	0.29	0.29	0.29	As above. The lower contact and vesicles have a 57° core angle.				
	92.57	0.49	0.48	0.48	Greyish green agglomerate (?) or mottled tuff containing vaguely defined faint brown fragments (?) (or areas of discolouration) which are up to 10 cm across. The fact that dark green chloritised lithic fragments (?), 1 mm - 20 mm across, tend to be slightly more abundant throughout the faint brown patches suggests that the patches are more likely to be relict agglomerate clasts. The Dark green lithic fragments are lenticular, and dont appear to be aligned. Occasional concentrations of vughs honeycombed by quartz and blebs of carbonate (2mm across) also define possible agglomerate fragments.				
	93.57	1.00	0.97	0.97	As above.				
	94.57	1.00	0.97	As above	As above.				
	95.57	1.00	0.97	0.97	As above.				
	96.57	1.00	0.99	0.99	As above.				
	97.57	1.00	1.00	1.00	As above.				
	98.57	1.00	1.00	1.00	As above.				
	99.57	1.00	1.00	1.00	As above.				
	100.57	1.00	1.00	1.00	As above.				
	101.57	1.00	1.00	1.00	As above.				
	102.57	1.00	1.04	1.04	As above.				
	103.57	1.00	1.08	1.08	As above.				

068

640069

APPENDIX 1.

Page6...

AUSTRALIAN ANGLO AMERICAN LIMITED

PROJECT: E.L. 5/63 CHESTER METRIC GRID

BOREHOLE No. CP 17

TYPE D.D.H.

CO-ORDINATES

INCLINATION

DIRECTION

DATE START

DATE FINISH

DRILLER

COMPANY

FINAL DEPTH

N.W.P.S.

CORE SIZE	DEPTH	DRILLED METRES	RECOVERED METRES	SAMPLE NO. AND DEPTH	DESCRIPTION	ASSAY RESULTS
BQ	103.57			Whole Core metres		
	104.57	1.00	1.00	1.05	As above.	
	105.57	1.00	1.10	1.05	As above.	
	106.57	1.00	1.12	1.05	As above.	
	107.57	1.00	1.12	1.12	As above.	
	108.57	1.00	1.08	1.05	As above.	
	109.57	1.00	1.01	0.95	As above.	
	110.57	1.00	1.01	0.95	As above.	
	111.57	1.00	1.03	1.03	As above.	
	112.57	1.00	1.06	1.06	As above.	
	113.57	1.00	1.06	1.06	As above.	
	114.57	1.00	1.06	1.00	As above.	
	115.57	1.00	1.04	1.04	As above.	
	116.57	1.00	1.04	1.04	As above.	
	117.57	1.00	1.05	1.05	As above.	
	118.57	1.00	1.10	1.05	As above.	
	119.57	1.00	1.10	1.05	As above, finally grading into lithology below.	
	120.57	1.00	1.08	1.08	Fine to medium grained grey tuff containing sporadic blebs of carbonate (up to 1 cm across). The rock is faintly layered at approximately 40 - 50° to the core axis.	
	121.57	1.00	1.00	1.00	As above.	
	122.57	1.00	1.00	0.95	As above.	
	123.57	1.00	1.00	0.95	As above.	
	124.57	1.00	1.00	1.00	Fine grey rock with globular embayed quartz forming an aggregation through much of the rock with pink-grey chalcedony (?) forming coatings to the quartz and interstitial fillings. Blebs of carbonate (1 mm to 5 mm average size) are scattered throughout in addition to disseminated spots of chlorite (1 to 2 mm)	
	126.57				Petrography sample T427 Described as: Devitrified altered incipiently sheared dacitic tuff lava.	
	126.57	1.00	1.00	1.00	As above.	
	127.57	1.00	1.03	1.03	As above.	
	128.57	1.00	1.03	1.03	As above.	
	129.57	1.00	1.03	1.03	As above.	
	130.57	1.00	1.00	1.00	As above.	
	131.57	1.00	1.00	1.00	As above.	

069

AUSTRALIAN ANGLO AMERICAN LIMITED

PROJECT: E.L. 5/63 CHESTER METRIC GRID

BOREHOLE No. CP 17

TYPE D.D.H.

CO-ORDINATES

INCLINATION

DIRECTION

DATE
STARTDATE
FINISH

DRILLER

COMPANY

FINAL DEPTH

N.W.P.S.

CORE SIZE	DEPTH	DRILLED METRES	RECOVERED METRES	SAMPLE NO. AND DEPTH	DESCRIPTION	ASSAY RESULTS			
BQ	131.57			Whole core metres					
	132.57	1.00	1.00	1.00	Iron stained fine grey porphyry or vitric-crystal tuff containing 2 mm white crystals of plagioclase and/or quartz (potash stain negative except in ground mass). A vein of chlorite occurs at 132.20 m (10° core angle).				
	133.57	1.00	0.97	0.97	As above. Vein of dark green chlorite at 133.0 m (35° core angle).				
	134.57	1.00	0.97	0.97	As above but mostly not ironstained.				
	135.57	1.00	0.97	0.97	As above. Dark green chlorite vein at 135.4 m (22° core angle).				
	136.57	1.00	0.99	0.95	As above containing blebs of carbonate (2 mm).				
	137.57	1.00	0.99	0.99	As for 136.57 m. Chlorite vein at 136.6 m (20° core angle). Trace of pyrite along a fracture. At 137.10 m the rock grades into a fine yellowish-grey tuff (?) containing disseminated irregularly shaped blebs (1-2 mm) of barite?. Disseminated spots of dark green chlorite (2 mm) are found throughout and may be pseudomorphs after crystals or lithic particles.				
	138.57	1.00	0.99	0.99	As above.				
	139.57	1.00	1.05	1.05	As above, though the rock is now grey without a yellowish tinge. Barite(?) blebs are absent, the spots of chlorite are abundant and many are definitely crystal pseudomorphs because of their euhedral outline.				
	140.15	0.58	0.62	0.62	Fine grey vitric-crystal tuff or porphyry (as above from 131.57 to 132.57 m) with an upper gradational boundary at 139.6 m.				
	141.15	1.00	1.00	0.95	As above, but iron stained, with sporadic chlorite veins (20° - 40° core angles)				
	142.15	1.00	1.00	0.90	As for 141.15 m.				
	143.15	1.00	1.02	1.00	As for 141.15 m				
	144.15	1.00	1.08	1.08	As for 141.15 m.				
	145.15	1.00	1.05	1.05	As above but not ironstained. The crystals are scarce.				
	146.15	1.00	1.05	1.05	As above. " " " " " " " "				
	147.15	1.00	0.92	0.92	As above " " " " " " " ". Rounded darker grey green fragments or patches of discolouration are present (up to 0.7 cm size)				
	148.15	1.00	0.96	0.96	As above.				
	149.15	1.00	0.87	0.70	As above.				
	150.00	0.85	0.73	0.70	As above.				
					END OF HOLE				

070
640071

AUSTRALIAN ANGLO AMERICAN LIMITED DRILLHOLE LOG

Summary Sheet

PROJECT E.L. 5/63 Tasmania	AREA CHESTER METRIC GRID	DRILLHOLE TYPE D.D.H.
CO-ORDS 5.0N 6.04 E DEC LN 45°	AZIMUTH 077½ (mag) RL	DH No. CP 17
DATE COMMENCED 24.4.75	DATE COMPLETED 29.4.75	DRILLED BY LONGYEAR
DRILL RIG		
Non Coring to: - HQ Core to: - NQ Core to: 12.15 mBQ Core to: 150.00m EOH 150.00m		

SURVEY DATA

Instrument:

DEPTH	DECLINATION		AZIMUTH	DEPTH	DECLINATION		AZIMUTH
	Uncorr	Corr			Uncorr	Corr	
0 m	45		077½	101 m	25		081
29 m	38		080½	125 m	24		incorrect
53 m	34		081½	149 m	20½		082
777 m	27		081				

LOG SUMMARY

ROCK TYPE	MINERALIZATION		
	Style	Grade	Intersection width (Corr)
0 - 3.00m Glacial overburden			
3.00m - 6.00 m Pale green vitric crystal tuff.	Pyrite in vughs	Trace	
6.00m - 10.00m Agglomerate (?)			
10.00m - 13.00m Crystal-lithic (?) tuff.			
13.00m - 15.00m Fine green-brown tuff.	Disseminated pyrite	Trace	
15.00m - 16.00m Green crystal-lithic tuff.			
16.00m - 23.00m Agglomerate			
23.00m - 30.00m Sequence of fine green brown tuffs and agglomerates.			
30.00m - 37.00m Fine green-brown tuff.			
37.00m - 50.00m Fine grey green to brown tuff.			
50.00m - 71.00m Fine grey green tuff.			
71.00m - 77.00m Fine green tuff			
77.00m - 78.00m Fine green tuff with aggregates of globular quartz.			
78.00m - 85.73m Fine pale green vitric-crystal tuff.	Disseminated pyrite	Trace	
85.73 m - 87.85m Fine green-grey vitric crystal tuff.			
87.85m - 89.73m Pale pink-green vitric-lithic-?crystal tuff or tuff lava.			

Signature

Date

072

SUMMARY D.D.H. CP 17 (contin)

2. INDICATED VALUES OF ORE

No mineralisation is visible in the core apart from traces of pyrite. The core is to be chip sampled and assay values will appear in an appendix to this drill log.

3. Core Recovery

	<u>Overall</u>
metres drilled	150.00 m
metres recovered	148.61 m
percentage recovery	99.0 %

4. WATER TABLE

No record.

5. CASING LEFT IN HOLE

None.

136.57 - 139.57 Cu Pb Zn Ba Ag Au
 20. 350. 1220 95 ? ?

? < 1 ag < 0.05 Au

all rest < 200 ppm.

Sample Number	Depth metres	ASSAY RESULTS					
		Cu	Pb	Zn	Ba	Ag	Au
T2654	0.00 - 3.00	5	15	15	38	<1	<0.05
T2655	3.00-5.00	20	32	220	90		
T2656	5.00 - 8.00	12	20	140	90		
T2657	8.00 - 11.00	10	22	95	95		
T2658	11.00 - 14.00	18	15	180	140		
T2659	14.00 - 17.00	8	32	240	140		
T2660	17.00 - 20.00	15	80	90	130		
T2661	20.00 - 23.00	8	30	90	130		
T2662	23.00 - 26.00	5	25	80	150		
T2663	26.00 - 29.00	5	20	60	140		
T2664	29.00 - 32.00	5	48	120	130		
T2665	32.00 - 35.00	8	48	190	140		
T2666	35.00 - 38.00	8	32	70	140		
T2667	38.00 - 41.00	10	28	60	130		
T2668	41.00 - 44.00	25	18	60	150		
T2669	44.00 - 47.00	8	8	48	140		
T2670	47.00 - 50.00	8	10	50	160		
T2671	50.00 - 53.00	8	10	45	150		
T2672	53.00 - 56.00	10	15	50	200		
T2673	56.00 - 59.00	10	15	65	170		
T2674	59.00 - 62.00	8	20	50	140		
T2675	62.00 - 66.00	10	12	55	150		
T2676	66.00m-68.00	15	5	40	140		
T2677	68.00 - 71.00	10	8	48	130		
T2678	71.00 - ,74.00	10	8	45	130		
T2679	74.00 - 77.00	8	28	55	140		
T2680	77.00 - 79.73	5	95	120	120		
T2681	79.73 - 82.73	15	150	150	110		
T2682	82.73 - 85.73	5	95	100	110		
T2683	85.73 -m88.73	12	105	80	130		
T2684	88.73 - 91.79	22	12	140	140		
T2685	91.79 - 94.57	20	8	85	130		
T2686	94.57 - 97.57	12	<5	45	120		
T2687	97.57 - 100.57	12	5	50	110		
T2688	100.57 - 103.57	10	<5	55	130		
T2689	103.57 - 106.57	12	8	65	100		
T2690	106.57 - 109.57	10	5	55	120		
T2691	109.57 - 112.57	12	5	60	110		
T2692	112.57 - 115.57	15	<5	50	130		
T2693	115.57 - ,118.57	15	8	50	120		
T2694	118.57 - 121.57	10	<5	42	130		
T2695	121.57 - 124.57	10	10	60	100		
T2696	124.57 - 127.57	5	8	48	120		
T2697	127.57 - 130.57	8	10	42	120		
T2698	130.57 - 133.57	8	22	65	130		
T2699	133.57 - 136.57	5	78	240	90		
T2700	136.57 - 139.57	20	350	1220	95		
T2701	139.57 - 142.15	8	58	190	80		
T2702	142.15 - 145.15	12	55	220	110		
T2703	145.15 - 148.15	18	18	85	130		
T2704	148.15 - 150.00	18	18	85	190		

END OF HOLE

074

640075 75-1084

aac

PROJECT NAME: COMSTAFF PROPRIETARY LIMITED

TITLE: DRILL LOG CP 18

OPEN FILE

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

CHESTER

SK-55/3

MCG

6N

5.77E

COMMODITY/IES:

Cu, Pb, Zn.

TEXT PAGES NO:

PLAN NOS:

TABLE NOS:

APPENDICES:

AUTHOR/S:

R.N. Smith

DATE:

April 1975

AUSTRALIAN ANGLO AMERICAN LIMITED

075

AUSTRALIAN ANGLO AMERICAN LIMITED

PROJECT: E.L. 5/63 CHESTER METRIC GRID

BOREHOLE No. CP 18

TYPE D.D.H.

CO-ORDINATES 9 metres south of

INCLINATION 45

DIRECTION 076 1/2 magnetic.

DATE 26.4.75

DATE 30.4.75

DRILLER Line 6N 5.77 E.

COMPANY LONGYEAR

FINAL DEPTH 146.95 m

N.W.P.S.

CORE SIZE	DEPTH	DRILLED METRES	RECOVERED METRES	SAMPLE NO. AND DEPTH	DESCRIPTION	ASSAY RESULTS				
NQ	0.00									
	to 1.00	1.00	0.55	0.00	Overburden.					
	2.00	1.00	0.55	0.06 T1379	Weathered fine pale grey vitric-crystal tuff permeated by a yellow alteration mineral.					
	3.00	1.00	0.55	0.15 T1380	As above.					
	4.00	1.00	0.55	0.40 T1381	As above but less weathered. Weathered white feldspars (2mm) are disseminated throughout.					
	5.00	1.00	0.55	0.35 T1382	Pale green-grey vitric-crystal tuff as above.					
	6.00	1.00	0.55	0.20 T1383	As above. Chlorite vein at 6.0 m (core angle = 0-10°)					
	7.00	1.00	0.55	0.50 T1384	As above.					
	8.00	1.00	0.55	0.55 T1385	As above.					
	9.00	1.00	0.67	0.67 T1386	As above. Several irregular infillings (up to 2 cm long) of quartz-carbonate occur at 8.75 m.					
	10.00	1.00	1.05	0.90 T1387	As above. A quartz-chlorite vein cuts the rock at sub-parallel to the core axis from 9.5 m to 10.2 m and contains a trace of sphalerite.					
	11.00	1.00	1.05	1.05 T1388	As above. Trace of aggregated pyrite.					
	12.00	1.00	1.04	1.04 T1389	As above. Approximately 1/2 - 1% fine black sphalerite and galena occurs with a quartz-chlorite vein at 11.2m (core angle = 0°-15°)					
	13.00	1.00	0.99	0.99 T1390	As above with a yellow discolouration.					
	14.00	1.00	0.99	0.99 T1391	" " " " " Chlorite vein at 13.90 m (core angle = 30°).					
	15.00	1.00	1.02	1.02 T1392	Coarse grained yellow stained tuff. In localised patches the yellow staining is absent and the rock consists of a grey groundmass containing rounded elongate fragments (up to 1.5 cm long) aligned at 45° to the core axis.					
	16.00	1.00	1.19	1.19 T1393	As above.					
NQ/BQ	17.00	1.00	1.19	1.14 T1394	As above.					
(17.10)										
BQ	18.00	1.00	0.95	0.95 T1395	Fine vitric-crystal tuff or porphyry containing pale yellow feldspar crystals (2mm). The rock is mottled in its colouration consisting of indistinct patches of yellowish brown to brown (up to 10cm across) set within a grey colour.					

AUSTRALIAN ANGLO AMERICAN LIMITED

PROJECT: E.L. 5/63 CHESTER METRIC GRID

BOREHOLE No. CP 18

TYPE D.D.H.

CO-ORDINATES

INCLINATION

DIRECTION

DATE START

DATE FINISH

DRILLER

COMPANY

FINAL DEPTH

N.W.P.S.

CORE SIZE	DEPTH	DRILLED METRES	RECOVERED METRES	SAMPLE NO. AND DEPTH	DESCRIPTION	ASSAY RESULTS				
BQ	18.00									
	18.00				Fine mottled brown-gray vitric-crystal tuff or porphyry.					
	19.00	1.00	0.92	0.92 T1396	As above. Trace of disseminated pyrite.					
	20.00	1.00	1.00	1.00 T1397	As above. Trace of sphalerite in 3 mm wide quartz vein (5° core angle).					
	21.00	1.00	1.01	1.01 T1398	As above.					
	22.00	1.00	1.01	1.01 T1399	As above.					
	23.00	1.00	0.99	0.99 T1400	As above.					
	24.00	1.00	0.99	0.99 T3001	As above.					
	25.00	1.00	0.99	0.99 T3002	As above.					
	26.00	1.00	1.00	1.00 T3003	As above.					
	27.00	1.00	1.00	1.00 T3004	As above. Trace of galena in quartz vein at 26.4 m (20° core angle).					
	28.00	1.00	1.00	1.00 T3005	Brown to grey vitric crystal tuff (as above) but with traces of sphalerite and galena in random sporadic quartz-chlorite veins (0-40° core angles)					
	29.00	1.00	0.99	0.99 T3006	As above.					
	30.00	1.00	0.99	0.99 T3007	As above.					
	31.00	1.00	0.99	0.99 T3008	As above.					
	32.00	1.00	0.96	0.96 T3009	As above.					
	33.00	1.00	0.95	0.80 T3010	As above.					
	34.00	1.00	0.95	0.95 T3011	As above.					
	35.00	1.00	0.99	0.99 T3002	As above.					
	35.95	0.95	0.95	0.95 T3013	As above.					
	36.95	1.00	1.00	1.00 T3014	As above.					
	37.95	1.00	0.98	0.98 T3015	As above.					
	38.95	1.00	0.97	0.97 T3016	As above.					
	40.15	1.20	1.15	1.15 T3017	As above.					
	41.15	1.00	1.01	0.90 T3018	As above.					
	42.15	1.00	1.02	1.02 T3019	As above.					
	43.15	1.00	1.02	1.02 T3020	As above.					
	44.15	1.00	1.00	0.95 T3021	As above.					
	45.15	1.00	1.00	1.00 T90228	As above.					
	46.15	1.00	1.00	1.00 T3029	As above.					

AUSTRALIAN ANGLO AMERICAN LIMITED

PROJECT: EL 5/63 CHESTER METRIC GRID

BOREHOLE No. CP 18

TYPE D.D.H.

CO-ORDINATES

INCLINATION

DIRECTION

DATE START

DATE FINISH

DRILLER

COMPANY

FINAL DEPTH

N.W.P.S.

CORE SIZE	DEPTH	DRILLED METRES	RECOVERED METRES	SAMPLE NO. AND DEPTH	DESCRIPTION	ASSAY RESULTS			
BQ	45.15 to								
	46.15	1.00	1.00	1.00 T3023	As above. (i.e. same rock as in sample T3005)				
	47.15	1.00	0.97	0.97 T3024	As above.				
	48.15	1.00	0.95	0.95 T3025	As above.				
	48.93	0.78	0.74	0.74 T3026	As above.				
	49.93	1.00	0.97	0.97 T3027	As above.				
	50.93	1.00	1.01	1.01 T3028	As above.				
	51.93	1.00	1.01	1.01 T3029	As above.				
	52.93	1.00	1.00	1.00 T3030	As above.				
	53.93	1.00	0.98	0.98 T3031	As above.				
	54.93	1.00	0.98	0.98 T3032	As above.				
	55.60	0.67	0.66	0.66 T3033	As above.				
	56.60	1.00	0.97	0.97 T3034	As above.				
	57.60	1.00	0.97	0.97 T3035	As above.				
	58.60	1.00	0.97	0.97 T3036	Lithology above grades into fine green-grey tuff. Approximately 1% sphalerite occurs in quartz + chlorite veins (core angles = 0 - 15°)				
	59.60	1.00	0.97	0.95 T3037	Fine green-grey tuff as from 57.60 m to 58.60 m. Occasional veins of quartz + chlorite with traces of ZnS.				
	60.60	1.00	0.97	0.97 T3038	As above.				
	61.60	1.00	0.97	0.80 T3039	As above.				
	62.60	1.00	1.05	0.90 T3040	As above.				
	63.60	1.00	1.06	0.80 T3041	As above.				
	64.60	1.00	1.06	1.00 T3042	As above with disseminated blebs (2-5 mm) of carbonate.				
	65.60	1.00	0.99	0.97 T3043	As above. " " " " " "				
	66.60	1.00	0.98	0.98 T3044	As above. " " " " " "				
	67.60	1.00	0.98	0.97 T3045	As above. (i.e. rock identical to that in sample T3037)				
	68.60	1.00	1.01	1.01 T3046	As above with sporadic random quartz-carbonate veinlets.				
	69.60	1.00	1.01	0.75 T3047	As above.				
	70.60	1.00	1.01	0.97 T3048	As above.				
	71.60	1.00	0.99	0.99 T3049	As above with disseminated feldspars (2 mm).				
	72.60	1.00	0.98	0.98 T3050	As above.				
	73.60	1.00	0.98	0.98 T3051	As above with 1% disseminated pyrite.				
	74.60	1.00	0.99	0.99 T3052	As above with a trace of disseminated ZnS and pyrite at 74.90m				

078

AUSTRALIAN ANGLO AMERICAN LIMITED

PROJECT: E.L. 5/63 CHESTER METRIC GRID

BOREHOLE No. CP-18

TYPE D.D.H.

CO-ORDINATES

INCLINATION

DIRECTION

DATE START

DATE FINISH

DRILLER

COMPANY

FINAL DEPTH

N.W.P.S.

CORE SIZE	DEPTH	DRILLED METRES	RECOVERED METRES	SAMPLE NO. AND DEPTH	DESCRIPTION	ASSAY RESULTS				
BQ	74.60 to									
	75.60	1.00	1.01	1.01 T3053	As above. (ie fine green-grey tuff as at 59.6 metres)					
	76.60	1.00	1.01	1.01 T3054	As above.					
	77.60	1.00	1.00	0.95 T3055	As above.					
	78.60	1.00	1.00	0.98 T3056	As above.					
	79.60	1.00	1.00	0.98 T3057	As above with patchy yellow discolouration.					
	80.60	1.00	0.99	0.95 T3058	As above. " " " "					
	81.60	1.00	0.99	0.97 T3059	As above " " " "					
	82.60	1.00	0.99	0.99 T3060	As above					
	83.60	1.00	1.00	1.00 T3061	As above with a trace of disseminated ZnS at 83.15 m.					
	84.60	1.00	1.00	0.90 T3062	As above.					
	85.60	1.00	1.00	1.00 T3063	Fine green-grey vitric-crystal tuff and vitric tuff with indistinct pale brown patches (up to 10cm across) which may be relict agglomerate fragments. White feldspar crystals (2mm) are dispersed throughout in varying proportions.					
	86.60	1.00	0.99	0.99 T3064	As above.					
	87.60	1.00	0.99	0.99 T3065	As above.					
	88.60	1.00	0.99	0.99 T3066	As above.					
	89.30	0.70	0.69	0.67 T3067	As above.					
	90.30	1.00	0.99	0.90 T3068	Fine green-grey to brownish grey vitric crystal tuff.					
	91.30	1.00	0.99	0.95 T3069	As above.					
	92.30	1.00	0.99	0.99 T3070	As above.					
	93.30	1.00	1.00	1.00 T3071	As above.					
	94.30	1.00	1.00	1.00 T3072	As above.					
	95.30	1.00	1.00	1.00 T3073	As above.					
	96.30	1.00	1.00	0.95 T3074	As above.					
	97.30	1.00	1.00	1.00 T3075	As above.					
	98.30	1.00	1.00	1.00 T3076	As above.					
	99.30	1.00	0.98	0.98 T3077	As above.					
	100.30	1.00	0.98	0.98 T3078	As above but containing indistinct relict fragments (?) up to 4 cm across.					
	101.30	1.00	0.98	0.98 T3079	Same as for 99.3 m to 100.3 m					
	102.30	1.00	1.01	1.01 T3080	As above. (i.e. same as for 99.3 m to 100.3 m)					
	103.30	1.00	1.01	0.95 T3081	As above.					
	104.30	1.00	1.01	1.01 T3082	As above.					

AUSTRALIAN ANGLO AMERICAN LIMITED

PROJECT: E.L. 5/63 CHESTER METRIC GRID

BOREHOLE No. CP. 18.

TYPE D.D.H.

CO-ORDINATES

INCLINATION

DIRECTION

DATE START

DATE FINISH

DRILLER

COMPANY

FINAL DEPTH

N.W.P.S.

CORE SIZE	DEPTH	DRILLED METRES	RECOVERED METRES	SAMPLE NO. AND DEPTH	DESCRIPTION	ASSAY RESULTS				
BQ	104.30									
	to									
	105.30	1.00	0.98	0.98 T3083	As above.					
	106.30	1.00	0.98	0.98 T3084	As above with trace disseminated pyrite.					
	107.30	1.00	0.98	0.98 T3085	As above with a trace of disseminated pyrite, the rock grades into the next lithology roughly at 107.3 m.					
	108.30	1.00	1.00	0.95 T3086	Vitric-crystal tuff mottled by patches of yellow-grey colouration and green colouration. Crystals are not as common as in the previous lithology. Trace of sphalerite and galena in a quartz-chlorite/ ^{-carbonate} vein at 107.9 m (24° core angle). Trace of disseminated pyrite.					
	109.30	1.00	1.00	1.00 T3087	As above. Disseminated pyrite (trace amounts up to 1%). Traces of ZnS and PbS in a quartz-carbonate-chlorite vein at 108.6 m (7° core angle).					
	110.30	1.00	1.00	1.00 T3088	As above with traces of disseminated pyrite.					
	111.30	1.00	1.01	0.75 T3089	Grading from previous lithology into a fine grey-green vitric tuff with some white crystals (2 mm) and traces of disseminated pyrite.					
	112.30	1.00	1.02	0.95 T3090	As above with occasional veinlets of quartz-carbonate (core angle 0-20°)					
	113.30	1.00	1.02	1.02 T3091	As above. Shear (core angle 50°) at m. Occasional carbonate blebs (2-5 mm).					
	114.30	1.00	1.02	1.02 T3092	As above with occasional blebs of carbonate (up to 1 cm across)					
	115.30	1.00	1.02	1.02 T3093	As above. " " " " " " " "					
	116.30	1.00	1.02	1.02 T3094	As above. " " " " " " " "					
	117.30	1.00	1.03	1.03 T3095	As above. " " " " " " " "					
	118.30	1.00	1.03	1.03 T3096	As above. " " " " " " " "					
	119.30	1.00	1.03	1.03 T3097	As above. " " " " " " " "					
	120.30	1.00	1.02	1.02 T3098	As above, grading into a fine vitric-crystal tuff which is mottled in shades of pale brown and green and contains indistinct white crystals (2 mm), traces of disseminated pyrite and occasional blebs of carbonate (up to 1 cm across).					
	121.30	1.00	1.01	1.01 T3099	Brown-green mottled vitric-crystal tuff as above.					
	122.30	1.00	1.01	1.01 T3100	As above.					
	123.30	1.00	1.02	1.02 T3101	As above.					

AUSTRALIAN ANGLO AMERICAN LIMITED

PROJECT: E.L. 5/63 CHESTER METRIC GRID

BOREHOLE No. CP 18

TYPE D.D.H.

CO-ORDINATES

INCLINATION

DIRECTION

DATE START

DATE FINISH

DRILLER

COMPANY

FINAL DEPTH

N.W.P.S.

CORE SIZE	DEPTH	DRILLED METRES	RECOVERED METRES	SAMPLE NO. AND DEPTH	DESCRIPTION	ASSAY RESULTS
BQ	123.30 -					
	124.30	1.00	1.02	1.02 T3102	Green grey vitric-crystal tuff with traces of disseminated pyrite.	
	125.30	1.00	1.02	1.02 T3103	Fine grey-brown vitric tuff.	
	126.30	1.00	1.01	1.01 T3104	As above.	
	127.30	1.00	0.99	0.99 T3105	Fine grey-green to grey-brown vitric tuff with aligned carbonate blebs (core angle 64° 5 mm size)	
	128.30	1.00	0.99	0.99 T3106	Fine grey brown vitric tuff. Quartz-chlorite vein subparallel to core axis from 127.7 m to 128.1 m. Blebs of carbonate (up to 1 cm across) from 128.1 m to 128.3 m. Trace of disseminated pyrite.	
	129.3	1.00	0.99	0.99 T3107	Fine grey-green vitric tuff with traces of pyrite (occasionally 1% pyrite)	
	130.30	1.00	1.00	1.00 T3108	As above.	
	131.30	1.00	1.00	1.00 T3109	As above.	
	132.30	1.00	1.00	1.00 T3110	As above with blebs of carbonate (up to 2 cm across) which are roughly aligned at core angles of 70-80°.	
	133.30	1.00	1.00	1.00 T3111	As above.	
	134.30	1.00	1.00	1.00 T3112	As above.	
	135.30	1.00	0.99	0.99 T3113	As above.	
	136.30	1.00	0.98	0.98 T3114	As above.	
	137.30	1.00	0.98	0.98 T3115	Fine brown-grey tuff containing carbonate blebs (up to 1 cm long) and small (1-2 mm) indistinct black inclusions roughly aligned at a 60° core angle. Traces of disseminated pyrite.	
	138.30	1.00	0.99	0.99 T3116	Fine grey tuff as above grading into fine grey vitric-crystal tuff with white feldspar phenocrysts (2mm) which, at times, tend to concentrate into local accumulations. Trace of disseminated pyrite.	
	139.30	1.00	1.02	1.02 T3117	As above but becoming mottled in colouration possibly indicating the presence of relict fragments. The mottling takes the form of pink-brown indistinct patches no less than 2 cm across, set in rock of grey colour. Crystals are evenly distributed through both colourations.	
	140.30	1.00	1.02	1.02 T3118	Mottled vitric-crystal tuff as above.	

081

AUSTRALIAN ANGLO AMERICAN LIMITED

PROJECT: E.L. 5/63 CHESTER METRIC GRID

BOREHOLE No. CP18

TYPE D.D.H.

CO-ORDINATES

INCLINATION

DIRECTION

DATE START

DATE FINISH

DRILLER

COMPANY

FINAL DEPTH

N.V.P.S.

CORE SIZE	DEPTH	DRILLED METRES	RECOVERED METRES	SAMPLE NO. AND DEPTH	DESCRIPTION	ASSAY RESULTS				
BQ	140.30									
	to 141.30	1.00	1.01	1.01 T3119	As above.					
	142.30	1.00	0.99	0.99 T3120	As above grading into fine grey vitric tuff containing yellow blebs of carbonate up to 0.6 cm across. The rock contains localised networks of fine grey globular, embayed carbonate which may possibly be coatings on original fine grey lithic fragments.					
	143.30	1.00	0.99	0.99 T3121	Fine grey vitric tuff containing blebs and networks of carbonate as for sample T3120. A layering of 50° core angle is defined by the carbonate network.					
	144.30	1.00	0.99	0.99 T3122	Fine vitric crystal tuff which is faintly mottled in colours of grey and pale brown. Trace of disseminated pyrite.					
	145.30	1.00	0.98	0.98 T3123	As above.					
	146.30	1.00	0.98	0.98 T3124	As above.					
	146.95	0.65	0.64	0.64 T3125	As above.					
					<u>END OF HOLE</u>					

E.L. 5/63 CHESTER METRIC GRIDD.D.H. CP 18SUMMARY SHEET

NQ core to: 17.10 m

BQ core to 146.95 m

E.O.H. 146.95 m

1. SURVEY DATA

Depth	Declination		Azimuth (mag)	Depth	Declination		Azimuth
	uncorr	corr			uncorr	corr	
0	45		076½	120	28		085
24	42½		079	144	24		086
48	39		081				
72	34		083				
96	30		084				

Instrument: Eastman Camera

2. LOG SUMMARY

Rock Type	Style	Grade
<u>0.00 m to 1.00 m</u>	Overburden	
<u>1.00 m to 14.00 m</u> -crystal tuff with yellow stain.	Fine green-grey vitric	ZnS & PbS in quartz-chlorite veins, Trace
<u>14.00 m to 17.00 m</u> grey tuff.	Coarse yellow-stained	
<u>17.00 m to 27.00 m</u> grey vitric-crystal tuff or porphyry.	Mottled yellowish brown/	ZnS & PbS in quartz veins. Trace
<u>27.00 m to 57.60 m</u> crystal tuff as above.	Brown to grey vitric-	ZnS & PbS in random sporadic quartz-chlorite veins. Trace
<u>57.60 m to 84.60 m</u>	Fine green-grey tuff.	ZnS & PbS in quartz † chlorite veins rarely disseminated. Occasional traces up to 1%
<u>84.60 m to 89.30 m</u>	Fine green-grey vitric-crystal tuff & vitric tuff mottled by pale brown patches.	
<u>89.30 m to 99.30 m</u>	Fine green-grey to brownish grey vitric crystal tuff.	
<u>99.30 m to 107.30 m</u>	As above with indistinct lapilli/agglomerate fragments.	
<u>107.30 m to 110.30 m</u> mottled in yellow-grey and green.	Vitric-crystal tuff	ZnS & PbS in quartz-chlorite-carbonate vein. Trace
<u>110.30 m to 119.30 m</u>	Fine grey-green vitric tuff.	
<u>119.30 m to 123.30 m</u>	Mottled pale brown/green vitric crystal tuff.	
<u>123.30 m to 137.30 m</u>	Fine grey-green to grey-brown vitric tuff with minor vitric-crystal tuff.	
<u>137.30 m to 141.30 m</u>	Fine grey vitric-crystal tuff becoming mottled pink-brown/grey.	
<u>141.30 m to 143.30 m</u>	Fine grey vitric tuff penetrated by a network of grey, globular carbonate.	
<u>143.30 m to 146.95 m</u>	Faintly mottled grey/pale brown vitric-crystal tuff.	

END OF HOLE

3. INDICATED VALUES OF ORE

E.L. 5/63 CHESTER METRIC GRID

D.D.H. CP 18

SUMMARY (contin.)

3. INDICATED VALUES OF ORE

1% Zinc cut off.

57.60 m to 58.60 m	1.90%Zn;	0.60%Pb;	<0.01%Cu	55 gms	tonne Cd	x 1.0 m D.T.
70.60 m to 71.60 m	1.70%Zn;	0.09%Pb;	<0.01%Cu;	48 gms	tonne Cd	x 1.0 m D.T.
73.60 m to 75.60 m	1.45%Zn;	0.08%Pb;	<0.01%Cu	39 gms	tonne Cd	x 2.0 m D.T.
78.60 m to 79.60 m	1.10%Zn;	0.20%Pb;	<0.01%Cu;	30 gms	tonne Cd	x 1.0 m D.T.
82.60 m to 83.60 m	1.20%Zn;	0.07%Pb;	<0.01%Cu;	30 gms	tonne Cd	x 1.0 m D.T.

0.5% Zinc cut off

42.15 m to 43.15 m	0.84%Zn;	0.08%Pb;	<0.01%Cu;	20 gms	tonne Cd	x 1.0 m D.T.
54.93 m to 59.60 m	1.04%Zn;	0.29%Pb;	<0.01%Cu;	29 gms	tonne Cd	x 4.67 m D.T.
70.60 m to 75.60 m	1.22%Zn;	0.07%Pb;	<0.01%Cu;	33 gms	tonne Cd	x 5.00 m D.T.

@.

4. CORE RECOVERY

	<u>overall</u>
metres drilled	146.95 m
metres recovered	142.92 m
percentage recovery	97.25%

5. WATER TABLE

Not recorded.

6. CASING LEFT IN HOLE

None.

EL 5/63 CHESTER METRIC GRID

D.D.H. CP 18

Sample Number	Depth metres	ASSAY RESULTS					
		Cu	Pb	Zn	Cd	Ba	Hg
T1379	1.00 - 2.00	30	50	110	2	50	<50
T1380	- 3.00	8	90	470	4	100	<50
T1381	- 4.00	8	65	590	3	95	50
T1382	- 5.00	12	60	400	3	110	<50
T1383	- 6.00	8	70	430	3	110	50
T1384	- 7.00	12	75	270	3	80	<50
T1385	- 8.00	10	55	180	3	80	<50
T1386	- 9.00	8	110	400	4	95	100
T1387	- 10.00	12	1400	2140	7	55	200
T1388	10.00 - 11.00	5	130	280	2	95	50
T1389	- 12.00	18	150	1120	5	95	100
T1390	- 13.00	8	30	160	4	105	50
T1391	- 14.00	5	50	120	3	100	<50
T1392	- 15.00	32	32	290	2	80	<50
T1393	- 16.00	5	20	150	3	100	<50
T1394	- 17.00	5	20	140	4	110	450
T1395	- 18.00	5	22	130	4	110	300
T1396	- 19.00	10	50	700	5	120	100
T1397	- 20.00	5	42	1780	1	110	100
T1398	20.00 - 21.00	5	38	480	1	120	200
T1399	- 22.00	5	22	85	2	140	<50
T1400	- 23.00	8	50	600	3	150	50
T3001	- 24.00	5	12	75	<1	150	<50
T3002	- 25.00	25	12	65	1	130	<50
T3003	- 26.00	10	12	65	2	120	<50
T3004	- 27.00	12	210	80	2	120	<50
T3005	- 28.00	10	290	730	2	85	50
T3006	- 29.00	38	710	1300	6	120	50
T3007	- 30.00	18	300	350	3	110	50
T3008	- 31.00	42	710	810	1	110	100
T3009	- 32.00	55	480	820	4	95	200
T3010	- 33.00	12	42	130	2	110	<50
T3011	- 34.00	8	130	110	1	110	<50
T3012	- 35.00	10	90	120	1	110	50
T3013	- 35.95	8	90	90	3	110	<50
T3014	- 36.95	8	60	75	2	120	50
T3015	- 37.95	8	40	85	1	90	<50
T3016	- 38.95	5	100	130	1	90	<50
T3017	- 40.15	5	110	390	1	110	<50
T3018	40.15 - 41.15	8	75	920	4	120	100
T3019	- 42.15	10	50	110	1	110	50
T3020	- 43.15	50	770	8400	20	110	700
T3021	- 44.15	8	100	180	2	85	<50
T3022	- 45.15	18	20	110	3	100	50
T3023	- 46.15	20	5	100	1	160	50
T3024	- 47.15	2	8	70	1	110	100
T3025	- 48.15	8	8	160	3	180	<50
T3026	- 48.93	70	18	100	2	140	50
T3027	- 49.93	5	75	290	2	130	50
T3028	- 50.93	10	290	490	2	110	50
T3029	50.93 - 51.93	5	60	220	3	140	50
T3030	- 52.93	8	170	310	3	110	100
T3031	- 53.93	8	90	130	2	150	150
T3032	- 54.93	5	120	210	1	120	50
T3033	- 55.60	85	2200	7600	22	130	750
T3034	- 56.60	25	2620	7800	22	140	600
T3035	- 57.60	30	2300	9000	25	150	550

EL 5/63 CHESTER METRIC GRID

D.D.H. CP 18 (contin.)

Sample Number	Depth metres	ASSAY RESULTS					
		Cu	Pb	Zn	Cd	Ba	Hg (ppb)
T3036	57.60 - 58.60	28	6000	1.90%	55	160	1700
T3037	- 59.60	150	1320	7800	20	440	1100
T3038	- 60.60	25	410	1650	4	240	500
T3039	- 61.60	15	210	1660	7	190	700
T3040	- 62.60	12	940	1120	7	200	350
T3041	- 63.60	42	290	330	3	150	50
T3042	- 64.60	5	60	250	2	170	<50
T3043	- 65.60	5	32	140	4	150	<50
T3044	- 66.60	10	50	200	2	190	<50
T3045	- 67.60	8	90	240	4	300	50
T3046	- 68.60	20	90	240	3	200	<50
T3047	- 69.60	20	450	500	4	200	100
T3048	- 70.60	55	670	1540	5	240	250
T3049	70.60 - 71.60	30	900	1.70%	48	290	1800
T3050	- 72.60	22	360	7000	18	270	750
T3051	- 73.60	35	670	8000	22	390	1100
T3052	- 74.60	28	720	1.85%	50	290	1800
T3053	- 75.60	38	900	1.05%	28	340	1200
T3054	- 76.60	5	80	790	3	270	100
T3055	- 77.60	18	1470	1540	8	280	550
T3056	- 78.60	8	290	300	3	230	50
T3057	- 79.60	60	2020	1.10%	30	210	2100
T3058	- 80.60	20	770	4720	12	230	750
T3059	80.60 - 81.60	18	470	1160	6	190	200
T3060	- 82.60	8	490	1180	3	220	200
T3061	- 83.60	70	680	1.20%	30	200	1100
T3062	- 84.60	38	1060	4040	12	200	450
T3063	- 85.60	15	520	2000	7	230	250
T3064	- 86.60	5	120	800	2	210	100
T3065	- 87.60	2	80	130	5	190	150
T3066	- 88.60	5	110	220	3	200	50
T3067	- 89.30	20	n150	920	6	180	50
T3068	- 90.30	12	210	480	3	150	50
T3069	90.30 - 91.30	5	30	85	<1	140	<50
T3070	- 92.30	5	25	70	<1	150	<50
T3071	- 93.30	10	30	60	3	220	<50
T3072	- 94.30	5	60	90	4	180	<50
T3073	- 95.30	10	120	180	1	200	<50
T3074	- 96.30	12	210	210	5	170	<50
T3075	- 97.30	10	85	370	4	180	<50
T3076	- 98.30	12	210	2000	10	130	100
T3077	- 99.30	5	80	85	4	110	<50
T3078	- 100.30	8	120	160	4	140	<50
T3079	100.30 - 101.30	5	150	220	4	120	50
T3080	- 102.30	10	160	600	6	90	<50
T3081	- 103.30	18	200	180	4	75	<50
T3082	- 104.30	8	35	70	3	100	<50
T3083	- 105.30	12	160	110	3	110	50
T3084	- 106.30	10	260	150	<1	160	<50
T3085	- 107.30	12	590	460	4	130	<50
T3086	- 108.30	120	940	5700	18	160	350
T3087	- 109.30	45	960	4000	12	120	200
T3088	- 110.30	15	110	800	6	100	<50
T3089	110.30 - 111.30	20	430	240	2	110	<50
T3090	- 112.30	8	160	160	3	90	<50

EL 5/63 CHESTER METRIC GRID

D.D.H CP 18 (contin)

Sample Number	Depth metres	ASSAY RESULTS					
		Cu	Pb	Zn	Cd	Ba	Hg
T3091	112.30 - 113.30	10	240	380	2	70	100
T3092	- 114.30	30	220	1720	6	120	100
T3093	- 115.30	8	100	380	3	170	50
T3094	- 116.30	10	60	75	2	170	50
T3095	- 117.30	8	20	50	1	160	<50
T3096	- 118.30	8	35	48	<1	150	<50
T3097	- 119.30	8	190	60	1	150	50
T3098	- 120.30	10	300	340	2	120	50
T3099	120.30 - 121.30	8	220	95	1	110	50
T3100	- 122.30	8	140	200	1	120	50
T3101	- 123.30	12	42	70	<1	130	50
T3102	- 124.30	35	670	920	3	140	50
T3103	- 125.30	10	270	610	3	90	50
T3104	- 126.30	5	18	100	1	80	<50
T3105	- 127.30	5	15	60	4	140	100
T3106	- 128.30	8	38	42	2	160	<50
T3107	- 129.30	8	310	42	2	140	50
T3108	- 130.30	8	22	90	1	160	50
T3109	130.30 - 131.30	8	48	50	<1	140	<50
T3110	- 132.30	5	12	65	2	120	<50
T3111	- 133.30	5	<5	80	2	110	<50
T3112	- 134.30	15	5	95	2	180	<50
T3113	- 135.30	8	18	85	3	120	<50
T3114	- 136.30	5	15	50	2	200	<50
T3115	- 137.30	8	10	42	1	170	<50
T3116	- 138.30	12	25	180	2	180	50
T3117	- 139.30	20	48	190	<1	120	50
T3118	- 140.30	15	70	620	3	270	50
T3119	140.30 - 141.30	12	42	130	3	310	50
T3120	- 142.30	15	35	48	<1	250	<50
T3121	- 143.30	22	60	90	1	150	<50
T3122	- 144.30	28	55	50	2	200	<50
T3123	- 145.30	10	18	55	2	320	<50
T3124	- 146.30	12	18	75	1	140	<50
T3125	146.30 - 146.95	20	85	160	2	120	<50

END OF HOLE

Note: All Au less than 0.05 ppm. All Ag less than 1 ppm. Hg results expressed in ppb.

640087

087

640088

75-1084

aac

PROJECT NAME: COMSTAFF PROPRIETARY LIMITED

TITLE: DRILL LOG CP 19

OPEN FILE

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

CHESTER SK-55/3 MCG 2N 6.88E

COMMODITY/IES:

Cu, Pb, Zn.

TEXT PAGES NO:

PLAN NOS:

TABLE NOS:

APPENDICES:

AUTHOR/S: R.N. Smith

DATE: May 1975

AUSTRALIAN ANGLO AMERICAN LIMITED

AUSTRALIAN ANGLO AMERICAN LIMITED

PROJECT: EL 5/63 CHESTER METRIC GRID

BOREHOLE No. CP 19

TYPE D.D.H.

CO-ORDINATES Line 2N 6.88E
(Resurveyed after topography
DRILLER altered by bulldozing
drillpad)

INCLINATION 19°

DIRECTION 259° MAG.

DATE START 30.4.1975
N.W.P.S.

DATE FINISH 4.5.1975

COMPANY LONGYEAR

FINAL DEPTH 120.00 m.

CORE SIZE	DEPTH	DRILLED METRES	RECOVERED METRES	SAMPLE NO. AND DEPTH		DESCRIPTION	ASSAY RESULTS								
				Whole Core metres	Sample No.		Cu	Pb	Zn	Hg ppb	Ba				
NQ	0.00														
	1.00	1.00	0.20	0.00	T3253	0.00 m to 21.00 m Fine grey or light green vitric-crystal	14	68	96	40	750				
	2.00	1.00	0.19	0.15	T3254	tuff with occasional rounded fine green lapilli-grade	10	58	92	55	750				
	3.00	1.00	0.20	0.05	T3255	fragments. The crystals are 2 mm plagioclase laths which,	12	150	140	25	600				
	4.00	1.00	0.30	0.13	T3256	between 8.5 m and 12.2 m, are pink in colour (potash stain	10	40	110	25	600				
	5.00	1.00	0.30	0.18	T3257	test negative). Between 13.00 m and 20.00 m the plagio-	10	30	114	25	600				
	6.00	1.00	0.30	0.00	T3258	clases are white; elsewhere the plagioclase are brown from	8	30	200	55	600				
	7.00	1.00	0.78	0.55	T3259	weathering. The rock is iron stained and altered in	10	46	102	25	600				
	8.00	1.00	0.83	0.25	T3260	sporadic bands which have core angles of approximately 20°.	14	36	92	110	510				
	9.00	1.00	0.83	0.71	T3261	A minute trace of galena and pyrite occurs in a vugh in	10	22	90	15	700				
	10.00	1.00	0.43	0.37	T3262	sample T3267. Sporadic localised traces of fine dissemin-	10	22	98	25	490				
	11.00	1.00	0.36	0.30	T3263	ated pyrite up to 1% by volume occur.	18	26	84	10	480				
BQ	12.00	1.00	0.96	0.90	T3264		12	20	96	25	650				
	13.00	1.00	0.83	0.75	T3265		10	30	84	20	600				
	14.00	1.00	0.71	0.65	T3266		10	20	80	10	480				
	15.00	1.00	0.70	0.67	T3267		14	56	94	30	750				
	16.00	1.00	0.62	0.45	T3268		12	50	68	35	650				
	17.00	1.00	0.50	0.27	T3269		10	30	86	25	700				
	18.00	1.00	0.50	0.30	T3270		10	32	62	25	700				
	19.00	1.00	0.42	0.23	T3271		10	26	78	25	650				
	20.00	1.00	0.20	0.30	T3272		8	26	108	30	550				
	21.00	1.00	0.29	0.20	T3273		14	32	60	35	550				
	22.04	1.04	0.37	0.30	T3274	21.00 m to 22.00 m The rock is probably the same as above	16	24	270	60	450				
	23.00	0.96	0.44	0.20	T3275	but the crystals are pseudomorphed by chlorite and iron	12	42	114	15	520				
	24.00	1.00	0.47	0.30	T3276	oxides. The groundmass is yellow-green in colour. Upper	12	30	84	20	600				
	25.00	1.00	0.40	0.25	T3277	and lower contacts are rapidly gradational.	8	22	120	25	550				
	26.00	1.00	0.22	0.14	T3278		12	26	108	15	460				
	27.00	1.00	0.22	0.05	T3279	22.00 m to 25.00 m As between 0.00 m and 21.00 m. At	12	30	76	15	550				
	28.00	1.00	0.32	0.32	T3280	34.20 m in sample T3287 is a minute trace of sphalerite and	14	66	370	210	480				
	29.00	1.00	0.65	0.45	T3281	galena in a pod of milky quartz inclined at 35° to the core	16	58	400	105	700				
	30.00	1.00	0.66	0.40	T3282	axis.	18	90	680	195	700				
BQ/NQ	30.80	31.00	1.00	0.62	0.37	T3283		10	30	56	30	600			
NQ	32.00	1.00	0.51	0.20	T3284		10	30	92	25	600				

091

EL 5/63 CHESTER METRIC GRID

D.D.H. CP 19

SUMMARY SHEET

CO-ORDINATES 2N 6.88E DECLINATION 19° AZIMUTH 257½ (magnetic)

NQ core to: 0 to 11.00 m, 30.8 to 53.2 m. BQ core to: 11.00 to 30.8 m, 53.2 to 120.0 m. E.O.H. 120.00 metres

1. SURVEY DATA

Depth	Declination uncorrected	Azimuth (magnetic)
0	19	257½
69	18	257
93	15½	257
117	13	257

2. LOG SUMMARY

Rock Type	Mineralisation	Grade
0.00 m to 21.00 m	Fine grey or light green vitric-crystal tuff. Disseminated pyrite. galena in vugh.	Trace Trace
21.00 m to 22.00 m	Yellow green altered equivalent to lithology above.	
22.00 m to 41.00 m	As between 0.00m and 21.00 m. ZnS and Pbs in quartz pod.	Trace
41.00 m to 43.00 m	As above, but altered to clay and limonite.	
43.00 m to 64.11 m	Fine grey vitric-lithic tuff. Disseminated pyrite PbS and chalcopyrite in quartz veins	Trace Trace
64.11 m to 67.15 m	Fine green dacite	
67.15 m to 70.45 m	Fine grey vitric-crystal tuff. Disseminated pyrite.	½ - 1%
70.45 m to 76.18 m	Fine grey-green dacite (sometimes porphyritic)	
76.18 m to 76.66 m	Fine ironstained grey vitric-crystal tuff. Disseminated pyrite	Trace
76.66 m to 80.12 m	Fine green porphyritic dacite.	
80.12 m to 81.47 m	Grey quartz crystal tuff	
81.47 m to 84.14 m	Fine green porphyritic dacite.	
84.14 m to 120.00 m	Mottled-grey vitric-crystal tuff. ZnS and PbS in a vugh at 113.10 m and at 119.15 m	Trace

END OF HOLE

3. INDICATED VALUES OF ORE

All values less than 0.5%. *Cu Pb Zn Ba Hg only reported*

4. CORE RECOVERY

metres drilled 120.00 m
metres recovered 90.97 m
percentage recovery 75.81%

5. WATER TABLE

unknown.

6. CASING LEFT IN HOLE

No casing left in hole.

640092

092

75-1084

640093

aac

PROJECT NAME: COMSTAFF PROPRIETARY LIMITED

TITLE: DRILL LOG CP 20

OPEN FILE

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

CHESTER SK-55/3 MCG 2N 6.95E

COMMODITY/IES:

Cu, Pb, Zn.

TEXT PAGES NO:

PLAN NOS:

TABLE NOS:

APPENDICES:

AUTHOR/S:

R.N. Smith

DATE:

May 1975

AUSTRALIAN ANGLO AMERICAN LIMITED

AUSTRALIAN ANGLO AMERICAN LIMITED

PROJECT: E.L. 5/63 CHESTER METRIC GRID

BOREHOLE No. CP 20

TYPE D.D.H.

CO-ORDINATES.....

INCLINATION.....

DIRECTION.....

DATE START.....

DATE FINISH.....

DRILLER.....

COMPANY.....

FINAL DEPTH.....

N.W.P.S.

CORE SIZE	DEPTH	DRILLED METRES	RECOVERED METRES	SAMPLE NO.		DESCRIPTION	ASSAY RESULTS							
				Whole Core metres	Chip Sample No.		Cu	Pb	Zn	Ba	Hg			
	72.05-													
BQ	75.10	3.05	3.03	3.02	T2877	72.05 - 94.45 Greyish green to pale brown vitric-lithic tuff containing	12	38	60	140				
	78.15	3.05	2.20	2.00	T2878	rounded fine green to grey lithic fragments generally no larger than 1 cm	25	90	95	180				
	81.20	3.05	3.04	3.04	T2879	across. Within this sequence are minor sections of fine to medium grained	10	20	70	430				
	84.25	3.05	3.00	3.00	T2880	green vitric-lithic? tuff. Vugh of pyrite and quartz at 73.5 m.	5	8	70	160				
	87.30	3.05	3.10	3.10	T2881	Occasional pods of carbonate inclined at 50° core angle are found between	5	12	85	160				
	90.35	3.05	3.04	3.05	T2882	72.2 m and 74.4 m. The rock is slightly sheared at 30° core angle at	5	5	75	150				
	93.40	3.05	3.07	3.07	T2883	78.5 m. Small inclusions (2-10mm) of carbonate are present between 87 m	2	8	85	150				
	96.45	3.05	3.00	3.00	T2884	and 88 m. Bedding core angle = 30-40° at 92.5 m.	8	8	150	520				
	99.50	3.05	3.09	3.09	T2885	94.45 m to 94.88 m Fine green dacite containing a high carbonate content	15	12	120	190				
						in the form of abundant aphanitic inclusions. The upper and lower contact								
						core angles are 70° and 24° respectively.								
						94.88m to 98.91 m Agglomerate consisting of angular to subrounded								
						fragments of dark green crystal-lithic? tuff or porphyry set in a pale grey-								
						brown fine to medium grained groundmass. The crystals in the fragments are								
						white indistinct plagioclases? (2 mm size) accompanied by some quartz								
						carbonate inclusions of the same size. A 3 cm wide band of green dacite								
						at 96.4 m has a 25° core angle.								
						98.91 m to 99.30 m Fine green calcareous dacite as between 94.45 m and								
						94.88 m. The upper and lower contact core angles are 25° and 30° respect-								
						ively.								
	102.55	3.05	2.80	2.60	T2886	99.30 to 109.52 m Green vitric-crystal tuff containing white plagioclase	12	20	80	170				
	105.60	3.05	2.90	2.84	T2887	crystals and carbonate inclusions (2 mm size) aligned at 50° core angle.	12	42	90	120				
	108.65	3.05	2.94	1.10	T2888	In places the rock is pervaded by a fine grey lithology. Traces of	15	42	100	100				
	111.70	3.05	2.83	2.40	T2889	disseminated pyrite present.	12	22	230	110				
						109.52 m to 111.37 m Fine green calcareous dacite as between 99.45 m and								
						94.88 m. Unable to measure contact core angles due to broken core.								
						111.37 m to 111.70 m Fine yellowish grey vitric tuff containing traces of								
						fine disseminated pyrite. The contacts are gradational.								
SPLIT CORE SAMPLES FOLLOW														
	112.00	0.30	0.27	0.07	T3321	Altered porphyritic dacite.	T3321	30	150	84	540	85		
	113.00	1.00	0.89	0.65	T3322	As above.	T3322	32	60	94	400	55		
	114.00	1.00	0.89	0.68	T3323	As above.	T3323	12	28	60	460	30		
	115.07	1.07	0.98	0.90	T3324	As above. (Petrographic sample T432)	T3324	26	38	48	370	25		
	116.00	0.93	0.94	0.94	T3325	As above, but pink in colour.	T3325	14	16	26	430	25		
	116.18	0.18	0.18	0.18	T3326	As above, but pink in colour.	T3326	40	16	22	460	30		

095

640096

APPENDIX 1.

Page 3

AUSTRALIAN ANGLO AMERICAN LIMITED

PROJECT: E.L. 5/63 CHESTER METRIC GRID

BOREHOLE No. CP 20

TYPE D.D.H.

CO-ORDINATES

INCLINATION

DIRECTION

DATE START

DATE FINISH

DRILLER

COMPANY

FINAL DEPTH

N.W.P.S.

CORE SIZE	DEPTH	DRILLED METRES	RECOVERED METRES	SAMPLE NO. AND DEPTH		DESCRIPTION	ASSAY RESULTS								
				Whole	Core Sample metres No.		Cu	Pb	Zn	Ba	Hg				
	116.18-														
BQ	117.00	0.82	0.83	0.83	T3327	Altered porphyritic dacite.	16	20	44	360		25			
	118.00	1.00	0.99	0.95	T3328	As above.	10	66	64	440		40			
	119.00	1.00	0.92	0.85	T3329	As above. Minute trace of ZnS in carbonate chlorite vein at 118.01 m (55°CA)	20	30	90	450		55			
	120.00	1.00	0.92	0.85	T3330	As above.	16	80	60	420		25			
	121.00	1.00	0.93	0.93	T3331	As above.	46	76	380	440		155			
	122.00	1.00	0.96	0.96	T3332	As above.	16	102	180	360		65			
	123.00	1.00	0.96	0.80	T3333	As above.	62	104	160	430		75			
	124.00	1.00	0.97	0.97	T3334	As above.	16	36	62	410		25			
	125.00	1.00	1.00	1.00	T3335	As above.	18	32	42	500		20			
	126.00	1.00	1.00	1.00	T3336	As above.	34	20	34	450		10			
	127.00	1.00	1.00	1.00	T3337	As above.	16	22	44	440		20			
	128.00	1.00	0.99	0.99	T3338	As above. Trace of PbS & ZnS in quartz-carbonate vein (15° core angle) at 128 m.	12	96	110	600		65			
	129.00	1.00	0.99	0.99	T3339	As above. " " " " " " (60° core angle) at 128.5m	18	150	550	600		295			
	130.00	1.00	0.99	0.99	T3340	As above.	8	20	110	550		50			
	131.00	1.00	0.99	0.99	T3341	As above.	4	26	90	530		45			
	132.00	1.00	1.00	1.00	T3342	As above, minute trace of ZnS in quartz-carbonate vein (55° C.A.) at 131.3 m.	12	46	56	420		25			
	133.05	1.05	1.04	1.00	T3343	As above.	40	102	170	520		75			
<u>CORE CHIP SAMPLES FOLLOW</u>															
133.05 m to 133.85 m						Rock same as above. The lower contact is a sericitised zone of shearing 15 cm wide. The shear planes have 15° core angles and bear slickensides which are normal to the core axis.									
133.85 m to 140.82 m						Green vitric-crystal-lithic tuff containing 2 mm white feldspar crystals and indistinct pale brown fragments of coarse tuff to lapilli grade.									
	136.10	3.05	2.80	2.50	T2890		12	15	95	100					
	139.15	3.05	3.25	2.75	T2891		8	8	100	110					
140.82 m to 142.20 m						Fine grey-green calcareous dacite as between 94.45 m and 94.88 m. The upper contact core angle is 34° but the core is broken at the lower contact.									
	142.20	3.05	3.17	2.83	T2892		8	25	280	85					
	145.25	3.05	3.02	2.97	T2893	142.20 m to 164.36 m	8	8	85	160					
	148.30	3.05	3.13	3.13	T2894	A sequence of fine to medium grained green-grey vitric-lithic tuffs and agglomerates(?) with gradational contacts. The agglomerates consist of indistinct fine pale brown rounded fragments set in a fine to medium grained green-grey groundmass. Quartz-carbonate veins occur sporadically and generally have 30° core angles. Chlorite is occasionally found in the veins.	8	18	110	140					
	151.35	3.05	3.15	3.15	T2895		8	12	80	150					
	154.40	3.05	2.41	2.41	T2896		5	10	75	140					
	157.45	3.05	3.09	3.09	T2897		5	8	120	140					
	160.50	3.05	3.04	3.04	T2898		5	8	85	120					
	163.55	3.05	3.06	3.06	T2899		5	12	75	130					

E.L. 5/63 CHESTER METRIC GRID D.D.H. CP 20

SUMMARY SHEET

CO-ORDINATES: 2N 6.95E INCLINATION 45° AZIMUTH 078° magnetic.
 NQ CORE TO: 33.36 m BQ CORE TO: 166.60 m E.O.H.: 166.60 m

1. SURVEY DATA

Depth metres	Declination uncorrected	Azimuth (mag)
0	45	078
25	no survey - in casing	
42	45	083
90	43½	081½
115	39	082
139	37	082½
164	33	083½

2. LOG SUMMARY

Depth	Rock Type	mineralisation Style	Grade
<u>0.00 m to 48.8 m</u>	Weathered grey-green or limonitised vitric-crystal?-lithic tuff.		<i>Ba Cu Pb Zn Hg all < 500 ppm</i>
<u>48.8 m to 53.3 m</u>	Brown to green-brown vitric-crystal-lithic tuff.		
<u>53.3 m to 66.35m</u>	Bleached vitric-crystal-lithic tuff.		
<u>66.35m to 70.05m</u>	Same as between 48.8 m and 53.3 m.		
<u>72.05m to 94.45 m</u>	Greyish green to pale brown vitric-lithic tuff.		
<u>94.45m to 94.88m</u>	Fine green calcareous dacite.		
<u>94.88m to 98.91m</u>	Agglomerate of dark green porphyry(?) fragments in pale grey-brown ground mass.		
<u>98.91m to 99.30m</u>	Fine green calcareous dacite.		
<u>99.30m - 109.52m</u>	Green vitric-crystal tuff.	Disseminated pyrite.	Trace
<u>109.52 - 111.37m</u>	Fine green calcareous dacite.		
<u>111.37 - 133.85m</u>	Fine yellowish grey to pink altered porphyritic dacite.	ZnS in carbonate-chlorite vein and PbS+ ZnS in quartz-carbonate veins.	Trace
<u>133.85 - 140.82m</u>	Green vitric-crystal-lithic tuff.		
<u>140.82 - 142.20m</u>	Fine grey-green calcareous dacite.		
<u>142.20 - 164.36m</u>	Sequence of fine to medium grained green-grey vitric-lithic tuffs and agglomerates(?). The agglomerates have fine pale brown fragments in a green-grey groundmass.		
<u>164.36 - 164.85m</u>	Fine green-grey and yellowish green dacite.		
<u>164.85 - 166.60m</u>	Green vitric-crystal-lithic tuff.		

END OF HOLE

3. INDICATED VALUES OF ORE: All values less than 600 ppm Zn.4. CORE RECOVERY

metres drilled 0 m to 166.60 m
 metres recovered 136.12 m
 percentage recovery 81.7 %

5. WATER TABLE: Not recorded - lost water.6. CASING LEFT IN HOLE: Nil.

098

640099

75-1084

aac

PROJECT NAME: COMSTAFF PROPRIETARY LIMITED

TITLE: DRILL LOG CP 21

OPEN FILE

AREA NAME/S, STATE 1:250,000 SHEET NO/S & COORDINATES:
CHESTER SK-55/3 MCG 1N 6.1E

COMMODITY/IES:
Cu, Pb, Zn.

TEXT PAGES NO:
PLAN NOS:

TABLE NOS:

APPENDICES:

AUTHOR/S: R.N. Smith

DATE: May 1975

AUSTRALIAN ANGLO AMERICAN LIMITED

Incorporated in the State of Victoria

AUSTRALIAN ANGLO AMERICAN LIMITED

PROJECT: E.L. 5/63 CHESTER METRIC GRIDBOREHOLE No. CP 21TYPE D.D.H.

CO-ORDINATES

INCLINATION

DIRECTION

DATE START

DATE FINISH

DRILLER

COMPANY

FINAL DEPTH

N.W.P.S.

CORE SIZE	DEPTH	DRILLED METRES	RECOVERED METRES	SAMPLE NO. AND DEPTH		DESCRIPTION	ASSAY RESULTS							
				Whole core metres	Chip Sample No.		Cu	Pb	Zn	Ba	Hg			
NQ	80.45	-												
	83.50	3.05	3.01	2.70	T4014	79.55 m to 82.01 m Fine grey sericitised sheared tuff. Shears have core angles of 80°-90° and are accompanied by yellow staining of the rock. The lower contact is gradational.	8	26	42	2300	35			
	86.55	3.05	2.96	2.75	T4015	82.01 m to 108.30 m Fine pale pink-grey layered vitric tuff containing	4	30	76	1300	15			
	89.60	3.05	2.95	2.83	T4016	some pink feldspar crystals. The rock has been weakly sheared at 80°-90°	4	38	70	1300	25			
	92.65	3.05	3.13	2.80	T4017	core angle and this is parallel to the alternating layers of pale pink and	6	20	120	800	25			
	95.70	3.05	2.86	2.70	T4018	grey. The sericitisation and chloritisation is associated with the shears.	4	22	140	800	10			
	98.14	2.44	2.35	1.75	T4019	Traces of disseminated pyrite are present. The pink colouration is absent	4	12	58	800	10			
BQ	100.55	2.41	2.03	1.37	T4020	between 88.0 m and 89.76 m. Traces of PbS and ZnS occur along shears	6	30	140	850	5			
	103.60	3.05	2.49	2.49	T4021	between 107.0 m and 108.0 m.	4	20	110	1400	15			
	106.65	3.05	2.93	2.77	T4022		4	24	120	1350	5			
	109.70	3.05	2.32	2.32	T4023	108.30 m to 108.88 m Fine dark green or yellow vitric tuff with gradational contacts. The portions that are a dark green colour are similar to the fine dark green dacites in this area.	6	20	250	1300	15			
						108.88 m to 109.48 m Weakly sheared vitric tuff as between 89.76 m and 108.30 m.								
						109.48 m to 109.92 m Fine yellow vitric tuff.								
	112.75	3.05	3.67	3.50	T4024	109.92 m to 113.00 m Pale pink or grey vitric tuff weakly sheared at 70°-90° core angles. Lower contact is gradational.	6	86	520	1150	95			
						113.00 m to 114.00 m Fine grey vitric tuff with occasional crystal concentrations. The tuff is faintly layered at 65° core angle and grades into lithic tuff, which contains dark green rounded lithic fragments (up to 2 cm across) with carbonate inclusions.								
	115.80	3.05	3.07	3.07	T4025	114.0 m to 119.71 m Fine grey to grey-brown tuff containing occasional	12	28	250	1050	30			
	118.85	3.05	3.27	3.27	T4026	carbonate inclusions (up to 1 cm across) and sometimes numerous ^{fine} dark green chloritised particles. Traces of fine disseminated pyrite occur. The tuff is faintly layered at 67° core angle.	10	24	240	1150	35			
						119.71 m to 119.84 m Bands of pyritiferous white quartz and fine grey tuff. Pyrite grade by volume = 25%.								
	121.90	3.05	3.13	3.13	T4027	119.84 m to approx 127.0 m Fine grey tuff. A quartz-carbonate-chlorite vein with 5° core angle occurs between 122.0 m and 123.0 m. Some pink discolouration of the grey tuff occurs between 124.0 m and 125.0 m. The lower contact is gradational.	320	24	200	0.75%	70			
	124.95	3.05	2.97	2.97	T4028		10	22	120	750	15			

AUSTRALIAN ANGLO AMERICAN LIMITED

PROJECT: E.L. 5/63 CHESTER METRIC GRID

BOREHOLE No. CP 21

TYPE D.D.H.

CO-ORDINATES

INCLINATION

DIRECTION

DATE START

DATE FINISH

DRILLER

COMPANY

FINAL DEPTH

N.W.P.S.

CORE SIZE	DEPTH	DRILLED METRES	RECOVERED METRES	SAMPLE NO. AND DEPTH		DESCRIPTION	ASSAY RESULTS								
				Whole core metres	Chip sample number		Cu	Pb	Zn	Ba	Hg				
	124.95	-													
BQ	128.00	3.05	3.03	2.73	T4029	Approx. 127.0 m to 130.03 m Fine grey-green tuff, sometimes with yellowish colouration, containing occasional carbonate inclusions and feldspar crystals. The lower contact core angle is 50°.	6	16	120	600				5	
	131.05	3.05	2.98	2.90	T4030	130.03 m to 135.00 m Fine grey sericitised tuff weakly foliated at 45°-60° core angles and containing 1-3% disseminated pyrite by volume. The tuff contains only a trace of pyrite from 134.0 m to 135.0 m. The lower contact is gradational.	30	420	1080	1000				215	
	134.10	3.05	3.14	3.14	T4031		22	250	410	1350				140	
	137.15	3.05	3.06	3.06	T4032	135.00 m to 141.00 m Fine grey or yellow grey tuff with some 2 mm size white feldspar crystals.	12	22	210	1300				35	
	140.20	3.05	3.02	3.02	T4033		8	20	160	1150				30	
	143.25	3.05	3.02	2.93	T4034	141.00 m to 148.00 m Fine grey vitric?-crystal tuff with white 2 mm size feldspar crystals. Below 146.0 m the tuff is weakly sheared normal to the core axis and contains a minute trace of ZnS within a carbonate pod between 146.0 m and 147.0 m. Contacts are gradational.	8	24	390	950				45	
	146.30	3.05	3.07	3.07	T4035		10	24	860	950				70	
	149.35	3.05	3.05	3.05	T4036	148.00 m to 153.93 m Fine pink tuff sheared normal to the core axis and containing traces of disseminated pyrite and a fine black unidentified mineral. A pod of fluorite occurs at 153.67 m. (5 mm size).	20	60	940	1100				85	
	152.40	3.05	3.10	3.08	T4037		14	200	52	1000				30	
	155.45	3.05	3.02	2.84	T4038	153.83 m to 155.45 m Fine grey tuff weakly sheared at 70°-90° core angles and containing traces of disseminated pyrite, chlorite and a fine black mineral.	22	64	300	1200				45	
SPLIT CORE SAMPLES FOLLOW															
	156.00	0.55	0.55	0.55	T3344	Same lithology as above.	12	32	230	1200				65	
	157.00	1.00	1.02	1.02	T3345	" " " "	60	94	4000	1850				240	
	158.00	1.00	1.02	1.02	T3346	" " " "	36	750	540	2900				125	
	159.00	1.00	1.02	0.85	T3347	" " " "	16	220	270	1500				50	
	160.00	1.00	1.02	1.02	T3348	" " " "	16	24	140	1500				35	
	161.00	1.00	1.02	1.02	T3349	" " " " , but contains 2% ZnS as irregular band normal to core axis at 160.8 m.	310	96	8800	1200				655	
	162.00	1.00	0.99	0.99	T3350	" " " "	38	60	3000	1300				220	
	163.00	1.00	0.95	0.95	T3351	Fine grey weakly sheared tuff as above. The tuff contains traces of disseminated pyrite, chlorite and a fine black mineral. Shears have 70-90° core angles.	44	42	720	1300				60	
	164.00	1.00	0.95	0.95	T3352	Lithology same as above.	12	74	880	1350				65	

AUSTRALIAN ANGLO AMERICAN LIMITED

PROJECT: EL 5/63 CHESTER METRIC GRID

BOREHOLE No. CP 21

TYPE D.D.H.

CO-ORDINATES.....

INCLINATION.....

DIRECTION.....

DATE
STARTDATE
FINISH

DRILLER.....

COMPANY.....

FINAL DEPTH.....

N.W.P.S.

CORE SIZE	DEPTH	DRILLED METRES	RECOVERED METRES	SAMPLE NO. AND DEPTH		DESCRIPTION	ASSAY RESULTS								
				Whole core metres	Sample No.		Cu	Pb	Zn	Ba	Hg				
	164.00 -														
BQ	165.00	1.00	0.98	0.98	T3353	Sheared rhyolitic agglomerate lava? Sample T 433 at 194.20 m in the same lithology has been identified since logging as: Devitrified altered "dacitic" lithic vitric crystal tuff (? ignimbrite). The rock contains indistinct fine grained fragments which are most commonly bright pink and less frequently dark green to black, or yellow-grey in colour. Layering is present in some pink and grey fragments. The groundmass is fine green spotted with dark green chloritized crystals or lithic fragments? (up to 3 mm long). Shears have core angles of 45° to 90° and sometimes the shear surfaces are coated with trace amounts of ZnS and PbS. The fragments are sometimes aligned at 58° to the core axis.	10	340	840	1400	55				
	166.00	1.00	1.01	1.01	T3354	Same lithology as above.	14	220	960	1200	70				
	167.00	1.00	1.01	1.01	T3355	" " " "	12	104	820	900	55				
	168.65	0.65	0.65	0.65	T3356	" " " "	12	190	720	850	45				
CORE CHIP SAMPLES FOLLOW:															
	170.70	3.05	3.15	3.15	T4039	167.65 m to 250.00 m. Same lithology as between 164.00 m and 165.00 m.	6	210	380	950	25				
	173.75	3.05	3.05	3.05	T4040		2	340	300	900	15				
	176.80	3.05	3.05	3.00	T4041		6	360	300	850	20				
	179.85	3.05	3.06	3.06	T4042		4	36	180	900	10				
	182.90	3.05	3.02	3.02	T4043		6	290	360	1000	20				
	185.95	3.05	3.09	2.90	T4044		10	80	160	950	20				
	189.00	3.05	3.04	3.04	T4045		10	480	410	1100	55				
	192.05	3.05	3.16	3.16	T4046		4	64	170	900	20				
	195.10	3.05	3.03	3.03	T4047		6	68	180	950	10				
	198.15	3.05	3.00	3.00	T4048		2	90	260	900	20				
	201.20	3.05	3.10	3.10	T4049		4	120	260	950	30				
	204.25	3.05	3.08	3.08	T4050		2	260	250	1100	25				
	207.30	3.05	3.07	3.07	T4051		6	80	2000	1350	245				
	210.35	3.05	3.04	3.04	T4052		8	200	280	1200	70				
	213.40	3.05	2.92	2.80	T4053		12	112	1600	1150	375				
	216.45	3.05	3.03	3.03	T4054		8	40	140	1150	20				
	219.50	3.05	3.00	3.00	T4055		4	66	250	1500	35				
	222.55	3.05	3.10	3.00	T4056		2	40	140	1150	15				
	225.60	3.05	3.12	2.80	T4057		4	62	150	1200	15				
	228.65	3.05	3.14	3.00	T4058		4	80	170	1000	15				

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AUSTRALIAN ANGLO AMERICAN LIMITED

PROJECT: EL 5/63 CHESTER METRIC GRID

BOREHOLE No. CP 21

TYPE D.D.H.

CO-ORDINATES

INCLINATION

DIRECTION

DATE START

DATE FINISH

DRILLER

COMPANY

FINAL DEPTH

N.V.P.S.

CORE SIZE	DEPTH	DRILLED METRES	RECOVERED METRES	SAMPLE NO.	WHOLE CORE DEPTH METRES	DESCRIPTION	ASSAY RESULTS							
							Cu	Pb	Zn	Ba	Hg			
	228.65													
BQ	231.70	3.05	3.14	3.00 T4059		164.00 m to 250.00 m Devitrified altered "dacitic" lithic vitric crystal	8	50	210	1200		5		
	234.75	3.05	3.00	2.90 T4060		tuff (? ignimbrite). The rock contains indistinct fine grained fragments	4	78	160	1050		10		
	237.80	3.05	3.10	3.00 T4061		which are most commonly bright pink and less frequently dark green to black,	8	50	210	1000		20		
	240.85	3.05	3.07	3.07 T4062		or yellow grey in colour. Layering is present in some pink and grey	10	46	140	1200		20		
	243.90	3.05	3.07	3.07 T4063		fragments. The groundmass is fine green spotted with dark green chloritised	4	28	190	1100		30		
	246.95	3.05	3.04	3.00 T4064		crystals or lithic fragments, (up to 3 mm long). Shears have core angles of	4	24	270	1050		35		
	250.00	3.05	3.03	2.95 T4065		45° to 90°, and sometimes the shear surfaces are coated with trace amounts of	2	20	210	1250		30		
						ZnS and PbS. The fragments are sometimes aligned at 50° to the core axis.								
						END OF HOLE								

EL 5/63 CHESTER METRIC GRID CP 21

SUMMARY SHEET

RESURVEYED CO-ORDINATES: Line 1N 6.1E INCLINATION 21° AZIMUTH 258½ mag.

NQ CORE TO: 98.14 m BQ CORE TO: 98.14 m to E.O.H. E.O.H.: 250.00 m

1. SURVEY DATA

Instrument: Eastman Camera.

Depth metres	Inclination uncorrected	Azimuth (mag.)
0	21	258½
96	18	253
116	17	254
141	15½	256½
165	11	254
189	11½	252½
247	11	252½

2. LOG SUMMARY

DEPTH metres	Rock Type	Mineralisation Style	Grade
0.00 m to 13.75 m	Fine grey vitric tuff.	Disseminated pyrite	Trace up to 2%.
13.75 m to 17.63 m	Green sheared vitric-crystal tuff.		
17.63 m to 36.76 m	White to pale green grey fine vitric tuffs & vitric crystal tuffs.		
36.76 m to 54.99 m	Fine to coarse grey-green vitric-lithic tuff.	Disseminated pyrite.	Trace
54.99 m to 79.55 m	Sheared vitric-lithic tuff.	Disseminated pyrite.	Trace
79.55 m to 82.01 m	Fine grey sericitised sheared tuff.		
82.01 m to 108.30 m	Fine pale pink-grey layered vitric tuff.	Disseminated pyrite PbS & ZnS along shears	Trace Trace
108.30 m to 108.88 m	Fine dark green or yellow vitric tuff.		
108.88 m to 109.48 m	Weakly sheared vitric tuff		
109.48 m to 109.92 m	Fine yellow vitric tuff.		
109.92 m to 113.00 m	Pale pink or grey vitric tuff.		
113.00 m to 114.00 m	Fine grey vitric tuff.		
114.00 m to 119.71 m	Fine grey to grey-brown tuff.	Disseminated pyrite	Trace
119.71 m to 119.84 m	Pyritiferous white quartz and fine grey tuff.	Disseminated & aggregated pyrite	25%
119.84 m to 127.00m (approx)	Fine grey tuff.		
127.00 m to 130.03 m approx.	Fine grey green tuff.		
130.03 m to 135.00 m	Fine grey sericitised tuff.	Disseminated pyrite	1-3%
135.00 m to 141.00 m	Fine grey or yellow-grey tuff.		
141.00 m to 148.00 m	Fine grey vitric?-crystal tuff.	ZnS within carbonate pod.	minute trace.
148.00 m to 153.83 m	Fine pink tuff	Disseminated pyrite. Fluorite pod.	Trace. Minute trace
153.83 m to 155.45 m	Fine grey tuff.	Disseminated pyrite and chlorite.	Trace.
155.45 m to 163.00 m	Fine grey tuff.	Disseminated pyrite pure ZnS as vein	Trace. 2% by volume.
163.0 m to 250.00 m	Devitrified altered "dacitic" lithic vitric crystal tuff (ignimbrite)	PbS † ZnS films on shear surfaces between 208 m and 211 m.	

END OF HOLE

SUMMARY CP 21

2. INDICATED VALUES OF ORE

0.5% Zinc cut off

160.0 m to 161.0 m 0.88% Zn; 0.03% Pb; ~0.01% Cu x 1.0 m D.T.

3. CORE RECOVERY

metres drilled	250.00 m
metres recovered	235.43 m
percentage recovery	94.2 %

4. CASING LEFT IN HOLE

nothing left in hole.

106

75-1084

640107

aac

PROJECT NAME: COMSTAFF PROPRIETARY LIMITED

TITLE: DRILL LOG CP 22

OPEN FILE

AREA NAME/S, STATE 1:250,000 SHEET NO/S & COORDINATES:
CHESTER SK-55/3 MCG 1N 6.17E

COMMODITY/IES:

TEXT PAGES NO:

PLAN NOS:

TABLE NOS:

APPENDICES:

AUTHOR/S: R.N. Smith

DATE: May 1975

AUSTRALIAN ANGLO AMERICAN LIMITED

Incorporated in the State of Victoria

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AUSTRALIAN ANGLO AMERICAN LIMITED

PROJECT: EL 5/63 CHESTER METRIC GRID

BOREHOLE No. CP 22

TYPE D.D.H.

RESURVEYED CO-ORDINATES Line 1N 6.17 E

INCLINATION 43 1/2° from horizontal DIRECTION 077 1/2° mag.

DATE START 21.5.75

DATE FINISH 28.5.75

after topography altered by bulldozing

DRILLER drillpad.

COMPANY LONGYEAR

FINAL DEPTH 299.95 m

N.W.P.S.

CORE SIZE	DEPTH	DRILLED METRES	RECOVERED METRES	SAMPLE NO. AND DEPTH	DESCRIPTION	ASSAY RESULTS
	0.00	-		Whole core metres	0.00 m to 40.70 m	
NQ	4.00	4.00	1.27	0.27 T2901	Fine to medium grained greenish grey lithic-crystal tuff containing crystals of plagioclase and quartz. Fine, rounded dark grey-green lithic fragments (2-3 cm across) are occasionally present in the tuff.	
	5.70	1.70	1.06	0.47 T2902		
	8.75	3.05	1.85	0.90 T2903	The rock is weathered, ironstained and friable between the following depths:	
	11.80	3.05	1.25	0.30 T2904	0.00 m - 17.9 m; 24.0 m - 30.4 m (0.10 m of brown clay was recovered);	
	14.85	3.05	2.25	0.95 T2905	36.1 m - 40.70 m (0.6 m of yellow-brown sand was recovered). Occasional	
	17.90	3.05	2.15	1.00 T2906	traces of fine disseminated pyrite are present.	
	20.95	3.05	2.39	1.84 T2907		
	24.00	3.05	2.42	2.30 T2908	40.70 m to approx. 59.0 m Fine grey tuff containing 1/2% disseminated pyrite	
	27.05	3.05	1.65	0.85 T2909	by volume. The rock is weathered, ironstained and friable between the	
	30.10	3.05	3.05	1.68 T2910	following depths: 40.70 m - 44.45 m; 45.67 m - 48.80 m; 49.62 m - 54.6 m.	
	33.15	3.05	3.00	3.00 T2911		
	36.20	3.05	2.23	2.10 T2912	Approx 59.0 m to 60.6 m Fine to medium grained grey tuff containing some	
	39.25	3.05	2.49	1.00 T2913	white feldspar crystals and irregularly shaped white quartzose fragments	
	42.30	3.05	1.84	0.52 T2914	(0.5 cm). The tuff contains 1/2-1% disseminated and aggregated pyrite.	
	45.35	3.05	2.10	1.10 T2915		
	48.40	3.05	2.59	1.95 T2916		
	51.45	3.05	1.83	1.07 T2917		
	54.50	3.05	1.76	0.40 T2918		
	57.55	3.05	1.56	1.00 T2919		
	60.60	3.05	2.47	1.40 T2920		
SPLIT CORE SAMPLES FOLLOW:						
	61.00	0.40	0.30	0.30 T1401	As above.	
	62.00	1.00	0.74	0.60 T1402	As above, but mostly ironstained.	
	63.00	1.00	0.75	0.46 T1403	As above.	
	64.00	1.00	0.62	0.15 T1404	As above, but mostly ironstained.	
	65.00	1.00	0.39	0.20 T1405	As above, but mostly ironstained.	
	66.00	1.00	0.39	0.00 T1406	As above, but mostly ironstained.	
	67.00	1.00	0.51	0.36 T1407	As above, but mostly ironstained.	
	68.00	1.00	0.76	0.76 T1408	As above.	
	69.00	1.00	0.76	0.45 T1409	As above but mostly ironstained.	
	70.00	1.00	0.79	0.70 T1410	As above but containing a minute trace of PbS & ZnS in a vugh (all of mineralisation in assay sample).	
	71.00	1.00	0.87	0.60 T1411	As above.	
	72.00	1.00	0.87	0.87 T1412	As above.	
	73.00	1.00	0.88	0.47 T1413	As above, but mostly ironstained.	
	74.00	1.00	0.88	0.35 T1414	As above, but mostly ironstained.	

AUSTRALIAN ANGLO AMERICAN LIMITED

PROJECT: EL 5/63 CHESTER METRIC GRID

BOREHOLE No. CP 22
DATE START
N.W.P.S.

TYPE D.D.H.
DATE FINISH

CO-ORDINATES
DRILLER

INCLINATION
COMPANY

DIRECTION
FINAL DEPTH

CORE SIZE	DEPTH	DRILLED METRES	RECOVERED METRES	SAMPLE NO. AND DEPTH	DESCRIPTION	ASSAY RESULTS
	74.00			Whole core metres		
NQ	75.00	1.00	0.87	0.62 T1415	Fine to medium grained tuff containing some white feldspars, some irregularly shaped white quartzose fragments (0.5 cm) and 1/2-1% pyrite as above.	
	76.00	1.00	0.87	0.66 T1416	As above.	
	77.00	1.00	0.85	0.78 T1417	As above.	
	78.00	1.00	0.85	0.30 T1418	As above, but mostly ironstained.	
	79.00	1.00	0.87	0.62 T1419	As above grading into a grey-green poorly sorted lithic tuff faintly layered at 27° core angle.	
	80.00	1.00	0.98	0.98 T1420	Grey-green poorly sorted lithic tuff as above.	
	81.00	1.00	0.99	0.80 T1421	As above grading into fine pink tuff with traces of disseminated pyrite.	
	82.00	1.00	0.98	0.80 T1422	Fine pink tuff with traces of disseminated pyrite.	
	83.00	1.00	0.90	0.85 T1423	As above.	
	84.00	1.00	0.89	0.65 T1424	As above, but mostly ironstained.	
	85.00	1.00	0.90	0.80 T1425	As above.	
	86.00	1.00	0.99	0.99 T1426	As above.	
	87.00	1.00	0.98	0.98 T1427	As above, but faintly layered at 27° core angle.	
	88.05	1.05	1.04	1.04 T1428	Pale pink green tuff. A minute trace of PbS and ZnS occurs on a fracture plane at 87.03 m (core angle = 30°).	
CORE CHIP SAMPLES FOLLOW.						
	91.10	3.05	2.54	1.76 T2921	88.05 m to approx. 91.10 m Grey-green to pale pink sericitised tuff foliated locally to form "sericite schist" ^{plane of schistosity} at 35° to the core axis. White feldspar crystals (2 mm) are sometimes present. 1/2-1% disseminated pyrite is present.	
	94.15	3.05	0.56	0.00 T2992	Approx. 91.10 m to 94.15 m Fragments of the above rock, a light grey vitric-crystal tuff, a fine green tuff and a fragment of dolerite?	
	103.30	9.16	0.36	0.00 T2923	94.15 m to approx. 103.30 m The borehole intersected a pebbly sand seam. fragments recovered were of fine grey-brown chert and weathered iron-stained tuff.	
NOTE:- Bad core recovery was obtained between 91.10 m and 103.30 m even though a triple tube core barrel and additive fluids were used.						
	106.35	3.05	2.56	2.50 T2924	Approx. 103.30 m to 109.40 m fine to coarse grey brown lithic tuff cut	
	109.40	3.05	3.00	3.00 T2925	by occasional yellow-stained bands of hairline shearing inclined at core	
BQ	110.90	1.50	1.49	1.49 T2926	angles of 15-30°. Only rarely do lithic fragments attain a 1 cm diameter.	
	113.95	3.05	2.54	2.40		
	117.00	3.05	2.72	2.64 T2927		
	120.05	3.05	2.37	2.06 T2928		

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640510

AUSTRALIAN ANGLO AMERICAN LIMITED

PROJECT: EL 5/63 CHESTER METRIC GRID

BOREHOLE No. CP 22

TYPE D.D.H.

CO-ORDINATES

INCLINATION

DIRECTION

DATE START

DATE FINISH

DRILLER

COMPANY

FINAL DEPTH

N.W.P.S.

CORE SIZE	DEPTH	DRILLED METRES	RECOVERED METRES	SAMPLE NO. AND DEPTH	DESCRIPTION	ASSAY RESULTS
BQ	120.05			Whole core metres		
	123.10	3.05	2.06	1.84 T2929	123.32 m to 127.00 m Fine grey lithic crystal tuff containing white feldspar crystals (2 mm) grading down into a fine grey tuff with relatively few crystals. The uppermost metre of this section has bleached in patches. $\frac{1}{2}\%$ disseminated pyrite is present.	
	126.15	3.05	2.81	2.73 T2930		
	129.20	3.05	2.85	2.75 T2931		
	132.25	3.05	3.06	2.80 T2932	127.00 m to 133.12 m Fine dark grey-green tuff cut by yellow stained bands of hairline shearing at core angles of less than 40° . Trace disseminated pyrite.	
	135.30	3.05	2.96	2.60 T2933	133.12 m to 134.88 m Fine dark green dacite containing numerous minute carbonate inclusions. Several quartz-carbonate veins (core angle = 25°) are present. The lower contact core angle is 10° and carbonate blebs (2-5 mm size) near this contact are aligned at the same angle. The upper contact is indistinct and has a core angle of approximately 40° .	
	138.35	3.05	3.05	3.05 T2934	134.88 m to 180.12 m Fine to medium grained grey-green vitric-lithic tuff containing occasional fine dark green fragments (up to 3 cm across). Bands of yellow stained hairline shearing occur sporadically at core angles of $20-35^\circ$. The rock is faintly layered (core angle = $45-50^\circ$) at 161 m. Rare traces of disseminated pyrite occur. A 5 cm wide band of fine dark green dacite intrudes the rock at 172.0 m (25° core angle)	
	141.40	3.05	3.06	3.06 T2935		
	144.45	3.05	2.96	2.90 T2936		
	147.50	3.05	3.09	3.09 T2937		
	150.55	3.05	3.07	3.07 T2938		
	153.60	3.05	3.04	3.04 T2939		
	156.65	3.05	3.01	3.01 T2940		
	159.70	3.05	3.00	2.95 T2941		
	162.75	3.05	3.08	3.05 T2942		
	165.80	3.05	3.09	3.09 T2943		
	168.85	3.05	2.97	2.97 T2944		
	171.90	3.05	3.13	3.13 T2945		
	174.95	3.05	3.00	3.00 T2946		
	178.00	3.05	3.03	2.96 T2947		
	181.05	3.05	3.06	3.03 T2948	180.12 m to 181.53 m Fine green dacite containing numerous minute carbonate inclusions. The lower contact core angle is 62° .	
	184.10	3.05	3.09	3.09 T2949		
	187.15	3.05	3.02	2.75 T2950	181.53 m to 186.04 m Medium grained brown-green vitric-lithic tuff with some yellow stained bands of hairline shearing (core angle = $30^\circ-40^\circ$). Sometimes lithic fragments attain a width of 1 cm.	

AUSTRALIAN ANGLO AMERICAN LIMITED
DRILLHOLE LOG
Summary Sheet

PROJECT E.L. 5/63 TASMANIA AREA CHESTER METRIC GRID
 CO-ORDS Resurveyed after bulldozing 1N 6.17E DEC LN 43 1/2° from horizontal AZIMUTH 077 1/2° mag. RL
 DRILLHOLE D.D.H. TYPE
 DH No. CP 22

DATE COMMENCED 21.5.1975 DATE COMPLETED 28.5.1975 DRILLED BY LONGYEAR DRILL RIG
 Non Coring to: HQ Core to: NQ Core to: 0.00 m to 109.4 m BQ Core to: 109.4 m to E.O.H. EOH 299.95 m

SURVEY DATA

DEPTH	DECLINATION		AZIMUTH (mag)	DEPTH	DECLINATION		AZIMUTH (mag)
	Uncorr	Corr			Uncorr	Corr	
0	<u>43 1/2</u>		<u>077 1/2°</u>	92	<u>46</u>		<u>077</u>
24	<u>45</u>		<u>078</u>	126	<u>42</u>		<u>079</u>
(49)	<u>45</u>		<u>079</u>	138	<u>37 1/2</u>		<u>078</u>
(49)	<u>46</u>		<u>078</u>	150	<u>32</u>		<u>079</u>
73	<u>46 1/2</u>		<u>077</u>	175	<u>23</u>		<u>078</u>

LOG SUMMARY

ROCK TYPE	MINERALIZATION		
	Style	Grade	Intersection width (Corr)
<u>0.00 m to 40.70 m</u> Fine to medium greenish grey lithic-crystal tuff.	Disseminated pyrite	Traces	
<u>40.70 m to approx 59.0 m</u> Fine grey tuff.	Disseminated pyrite	<u>1/2%</u> by volume	
<u>approx. 59.0 m to 79.0 m</u> Fine to medium grey tuff containing some crystals and quartzose fragments.	Disseminated pyrite	<u>1/2-1%</u> by volume	
<u>79.0 m to 81.0 m.</u> Grey-green poorly sorted lithic tuff.	Trace of ZnS + PbS in vugh		
<u>81.00 m to 87.00 m</u> Fine pink tuff.	Disseminated pyrite	Trace	
<u>87.00 m to 88.05 m</u> Pale pink-green tuff	PbS + ZnS on fracture surface.	Minute trace.	
<u>88.05 m to approx 91.10 m</u> Grey-green to pale pink sericitised tuff with localised shearing.	Disseminated pyrite	<u>1/2-1%</u> by volume	
<u>approx 91.10 m to 94.15 m</u> Bad core recovery - fragments of above tuff, light grey vitric-crystal tuff, and dolerite (?).			
<u>94.15 m to approx 103.30 m</u> Seam of gravel and sand (bad recovery). Fragments of chert and ironstained tuff.			
<u>approx 103.30 m to 123.32 m</u> Fine to coarse grey-brown lithic tuff.			
<u>123.32 m to 127.00 m</u> Fine grey lithic-crystal tuff grading into fine grey tuff.	Disseminated pyrite	<u>1/2%</u> by volume.	
<u>127.00 m to 133.12 m</u> Fine dark grey-green tuff.	Disseminated pyrite	Trace.	
<u>133.12 m to 134.88 m</u> Fine dark green calcareous dacite.			
<u>134.88 m to 180.12 m</u> Fine to medium grained grey-green vitric-lithic tuff.	Disseminated pyrite	Trace.	
<u>180.12 m to 181.53 m</u> Fine green calcareous dacite.			
<u>181.53 m to 186.04 m</u> Medium grained brown-green vitric-lithic tuff.			
<u>186.04 m to 188.32 m</u> Fine green calcareous dacite.			
<u>188.32 m to 190.20 m</u> Fine to medium grained brownish grey to grey green vitric-lithic tuff.			
<u>190.20 m to 191.27 m</u> Fine green calcareous dacite.			
<u>191.27 m to 200.47 m</u> Fine grey-green to brown vitric-lithic tuff.			
<u>200.47 m to 206.80 m</u> Fine green calcareous dacite.			

Signature

Date

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E.L. 5/63 CHESTER METRIC GRID

D.D.H. CP 22

2. INDICATED VALUES OF ORE

All results less than 0.5% *Cu Pb Zn Ba Au Ag.*
best 1700 10 95 100. <1 <0.05
199.95-202.4

3. CORE RECOVERY

metres drilled	0.00 m to 299.95 m
metres recovered	260.05 m
percentage recovery	86.7 %

4. WATER TABLE

not recorded - last water.

5. CASING LEFT IN HOLE

12 x 3.05 metre NQ rods
NQ casing shoe

Sample Number	Depth metres	ASSAY RESULTS						
		Cu	Pb	Zn	Ba	Hg ppb	Ag	Au
T2901	0.00 m - 4.00 m	12	120	90	200		<1	<0.05
T2902	4.00 m - 5.70 m	8	110	55	140			
T2903	5.70 m - 8.75 m	12	140	140	160			
T2904	8.75 m - 11.80 m	12	100	70	140			
T2905	11.80 m - 14.85 m	12	140	55	150			
T2906	14.85 m - 17.90 m	12	210	100	160			
T2907	17.90 m - 20.95 m	12	40	240	130			
T2908	20.95 m - 24.00 m	5	12	150	190			
T2909	24.00 m - 27.05 m	12	180	240	190		1	
T2910	27.05 m - 30.10 m	12	80	55	140			
T2911	30.10 m - 33.15 m	8	5	140	150			
T2912	33.15 m - 36.20 m	5	32	150	150			
T2913	36.20 m - 39.25 m	10	80	120	150		1	
T2914	39.25 m - 42.30 m	18	95	130	110			
T2915	42.30 m - 45.35 m	12	95	120	120			
T2916	45.35 m - 48.40 m	18	40	180	190			
T2917	48.40 m - 51.45 m	15	95	120	140			
T2918	51.45 m - 54.50 m	12	210	90	110			
T2919	54.50 m - 57.55 m	18	320	910	110			
T2920	57.55 m - 60.60 m	10	360	310	110			

SPLIT CORE SAMPLES FOLLOW

T1401	60.60 m - 61.00 m	8	400	2600	470	340	-	-
T1402	61.00 m - 62.00 m	12	700	620	420	400		
T1403	62.00 m - 63.00 m	16	118	210	450	300		
T1404	63.00 m - 64.00 m	32	170	80	490	90		
T1405	64.00 m - 65.00 m	58	104	90	480	220		
T1406	65.00 m - 66.00 m	24	112	104	470	65		
T1407	66.00 m - 67.00 m	20	230	86	490	55		
T1408	67.00 m - 68.00 m	14	280	200	420	45		
T1409	68.00 m - 69.00 m	16	230	110	500	40		
T1410	69.00 m - 70.00 m	12	86	1500	490	260		
T1411	70.00 m - 71.00 m	14	96	250	420	55		
T1412	71.00 m - 72.00 m	14	150	270	380	60		
T1413	72.00 m - 73.00 m	14	108	100	420	65		
T1414	73.00 m - 74.00 m	14	112	170	500	120		
T1415	74.00 m - 75.00 m	10	84	150	490	45		
T1416	75.00 m - 76.00 m	10	86	80	490	60		
T1417	76.00 m - 77.00 m	8	40	150	410	45		
T1418	77.00 m - 78.00 m	14	72	200	540	55		
T1419	78.00 m - 79.00 m	8	40	240	480	20		
T1420	79.00 m - 80.00 m	6	48	260	510	30		
T1421	80.00 m - 81.00 m	10	112	1000	460	185		
T1422	81.00 m - 82.00 m	24	160	240	420	80		
T1423	82.00 m - 83.00 m	22	80	66	500	75		
T1424	83.00 m - 84.00 m	14	150	200	450	60		
T1425	84.00 m - 85.00 m	22	76	100	500	35		
T1426	85.00 m - 86.00 m	16	38	32	650	20		
T1427	86.00 m - 87.00 m	16	56	58	750	15		
T1428	87.00 m - 88.05 m	16	84	190	750	25		

CORE CHIP SAMPLES FOLLOW

E.L. 5/63 CHESTER METRIC GRID

D.D.H. CP 22 (contin.)

Sample Number	Depth metres	ASSAY RESULTS					Ag	Au
		Cu	Pb	Zn	Ba			
T2921	88.05 m - 91.10 m	15	95	350	120	<1	<0.05	
T2922	91.10 m - 94.15 m	18	180	150	100			
T2923	94.15 m - 103.30 m	8	140	85	80			
T2924	103.30 m - 106.35 m	5	18	65	110			
T2925	106.35 m - 109.40 m	5	12	65	120			
T2926	109.40 m - 113.95 m	8	22	180	150			
T2927	113.95 m - 117.00 m	8	18	170	230			
T2928	117.00 m - 120.05 m	5	10	240	250			
T2929	120.05 m - 123.10 m	8	40	470	150			
T2930	123.10 m - 126.15 m	8	12	110	130			
T2931	126.15 m - 129.20 m	8	32	110	250			
T2932	129.20 m - 132.25 m	5	20	150	170			
T2933	132.25 m - 135.30 m	8	20	350	130			
T2934	135.30 m - 138.35 m	10	65	100	120			
T2935	138.35 m - 141.40 m	10	42	120	140			
T2936	141.40 m - 144.45 m	8	28	90	160			
T2937	144.45 m - 147.50 m	8	32	90	150			
T2938	147.50 m - 150.55 m	8	15	100	150			
T2939	150.55 m - 153.60 m	5	20	100	160			
T2940	153.60 m - 156.65 m	8	25	100	150			
T2941	156.65 m - 159.70 m	5	20	95	140			
T2942	159.70 m - 162.75 m	5	15	110	140			
T2943	162.75 m - 165.80 m	5	20	110	160			
T2944	165.80 m - 168.85 m	5	22	100	140			
T2945	168.85 m - 171.90 m	8	28	90	190			
T2946	171.90 m - 174.95 m	8	35	100	280			
T2947	174.95 m - 178.00 m	18	55	100	200			
T2948	178.00 m - 181.05 m	20	15	190	120			
T2949	181.05 m - 184.10 m	10	15	180	120			
T2950	184.10 m - 187.15 m	15	10	250	150			
T2951	187.15 m - 190.20 m	10	18	210	130			
T2952	190.20 m - 193.25 m	12	15	200	150			
T2953	193.25 m - 196.30 m	15	8	60	110			
T2954	196.30 m - 199.35 m	10	10	120	140			
T2955	199.35 m - 202.40 m	1700	10	95	100			
T2956	202.40 m - 205.45 m	60	20	330	200			
T2957	205.45 m - 208.50 m	15	8	210	130			
T2958	208.50 m - 211.55 m	5	<5	90	150			
T2959	211.55 m - 214.60 m	8	<5	80	95			
T2960	214.60 m - 217.65 m	5	8	110	150			
T2961	217.65 m - 220.70 m	12	5	110	170			
T2962	220.70 m - 223.75 m	8	10	70	130			
T2963	223.75 m - 226.75 m	220	12	65	120			
T2964	226.75 m - 229.80 m	5	<5	50	300			
T2965	229.80 m - 232.85 m	5	<5	55	130			
T2966	232.85 m - 235.90 m	8	8	65	110			
T2967	235.90 m - 238.95 m	8	8	65	240			
T2968	238.95 m - 242.00 m	8	<5	120	90			
T2969	242.00 m - 245.05 m	5	10	80	110			
T2970	245.05 m - 248.10 m	18	10	90	100			

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E.L. 5/63 CHESTER METRIC GRIDD.D.H. CP 22 (contin.)

Sample Number	Depth metres	ASSAY RESULTS					
		Cu	Pb	Zn	Ba	Ag	Au
T2971	248.10 m - 251.15 m	8	5	70	120	<1	<0.05
T2972	251.15 m - 254.20 m	25	10	65	130		
T2973	254.20 m - 257.25 m	10	10	75	110		
T2974	257.25 m - 260.30 m	8	12	60	250		
T2975	260.30 m - 263.35 m	38	190	85	150		
T2976	263.35 m - 266.40 m	30	10	90	90		
T2977	266.40 m - 269.45 m	8	10	90	80		
T2978	269.45 m - 272.50 m	10	5	95	70		
T2979	272.50 m - 275.55 m	8	8	65	120		
T2980	275.55 m - 278.60 m	5	5	75	50		
T2981	278.60 m - 281.65 m	5	8	75	60		
T2982	281.65 m - 284.70 m	15	8	100	60		
T2983	284.70 m - 287.75 m	8	8	70	65		
T2984	287.75 m - 290.80 m	2	5	80	80		
T2985	290.80 m - 293.85 m	8	8	85	260		
T2986	293.85 m - 296.90 m	5	10	95	70		
T2987	296.90 m - 299.95 m	15	8	85	95		

END OF HOLE