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E.L. 5/63

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INTERIM REPORT TO THE
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TASMANIA
SEPTEMBER 1975

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AUSTRALIAN ANGLO AMERICAN LIMITED

Incorporated in the State of Victoria

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TCR 75-1084

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TCR 75-1095

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INTERIM REPORT ON CHESTER AND PINNACLES - SEPTEMBER 19751. INTRODUCTION

This report summarises the work of Comstaff Pty. Ltd. up to the end of July 1975 in the Chester-Pinnacles area. The latest theories on the area and the significance of the previous geochemistry is discussed.

2. GEOGRAPHY2.1. Location and Access

The area forms part of exploration licence 5/63 pt. 4 within the metric co-ordinates 5379000 m N to 5387000 m N and 376000 m E to 381000 m E. Access to the area is by bulldozed track from the Murchison Highway, and is suitable only for four wheel drive vehicles.

2.2. Topography

The Chester-Pinnacles area is rugged terrain with a dense rain forest cover. Remnant glacial or fluvio-glacial deposits cover much of the area and contain erratics up to 30 cubic metres.

2.3. Drainage and water supply

A well developed incised drainage is characteristic of the area and although the average rainfall is more than 250 cm per year the smaller creeks tend to dry up within two weeks if there is no rain. The pedological environment of the leases is characterised by highly leached acidic organic soils developed on glacial overburden or directly on bedrock.

3. GEOLOGY3.1. Regional setting

During Cambrian times Tasmania was part of the Tasman Geosyncline of Eastern Australia. The Dundas Trough is located between the Rocky Cape Geanticline to the west and the Tyennan Geanticline to the east.

Along the western margin of the Tyennan Geanticline an island arc was developed consisting predominantly of acid volcanic rocks while in the basin to the west a sequence of greywackes, shales, siltstones and bedded tuffs was deposited.

At Mt Read about 3000 m of acid volcanic occur which are rocks now known as the Mt Read Volcanics. The volcanic pile consists of a basal sequence of potash rich rhyolites, agglomerates and tuffs, the Primrose Pyroclastics, overlain by mainly sodic volcanic breccias, tuffs and quartz keratophyres, the Mt Black Volcanics.

Two major base metal deposits, the Mt Lyell copper ore body and the Rosebery polymetallic ore body, plus numerous smaller deposits are found within the Mt Read Volcanics.

During the Devonian Period the Tabberabberan Orogeny was accompanied by or closely followed by major intrusions of tin rich granites. The three major tin deposits at Renison Bell, Cleveland and Mt Bischoff together with many minor tin deposits were formed in the geosynclinal sediments west of the Mt Read Volcanic Arc.

3.2. Structural Geology

The most important orogenic phase in Tasmania was the Tabberabberan Orogeny which occurred during the lower Devonian Period. An arcuate system of anticlinoria and synclinoria was formed around the more stable Tyennan Geanticline. Between Rosebery and Waratah the trend is NNE and is reflected within the lease area by the Que syncline.

Most rocks, apart from the more competent rocks such as the Owen Conglomerate, developed a pronounced steeply dipping axial plane cleavage. This cleavage is very prominent in the Mt Read Volcanics where the potash feldspars have been altered to sericite schist. In places, such as south of Chester, the cleavage is so pronounced that the rocks give the appearance of sericite schist in hand specimen.

From the Pinnacles to the Que River, interbedded shales within the volcanic pile make it possible to determine the structure. However south of Pinnacles there is only a sequence of acid volcanics with no marker bands present.

Published data on Rosebery however shows a younging of the Mt Read Volcanics from west to east. This holds good at Chester since the upper Mt Black Volcanics reportedly occur east of the Emu Bay Railway. The presence of the Que syncline along the western boundary of the Mt Read Volcanics gives a younging to the Northwest.

It is necessary to postulate an anticline parallel with the Que syncline and passing just north of Chester, through Mt Black to disappear under the younger rocks east of the Mackintosh Prospect.

A fairly wide breccia zone in CP 15 at the Pinnacles may represent the Owen Shear Zone. However since it occurs along the southern strike of the axial plane of the Que syncline it is more probably due to brecciation along the axial plane of the syncline.

3.3. Geology of Chester

A soil sampling grid covering approximately 6 square kilometers has been traverse mapped along sample lines 100 m apart and along bulldozed access roads. Due to the thick vegetation, access is possible only on cleared tracks. Only 1% of the area has therefore been examined and outcrop along cut lines is poor to absent. The conclusions reached are, of necessity, 99% interpolation.

All rocks seen within the grid are considered to be part of the Primrose Pyroclastics.

Volcanics range from rhyolite to dacite in composition and are interbedded with pyroclastics ranging from agglomerate lavas to fine silt tuffs.

Alteration by sericitisation and chloritisation makes identification and genesis of rocks difficult.

On the western flanks of Mt Kershaw the small creeks expose siltstones, shales and greywackes with a steep easterly dip. The contact of these sediments with the Mt Read Volcanics is not exposed. It is difficult to give a stratigraphic succession within the Mt Read Volcanics within the Chester area due to lack of outcrop. However, if intersections in boreholes and along roads are used, a pattern emerges which is substantiated to some extent by soil geochemistry.

South west of the Chester Mine a fine grained sericite schist is found which can be related to a weakly sheared devitrified rhyolite or dacite in borehole CP 3. In thin section the rock is described as -
"greisened porphyritic dacite which now consists largely of fine sericitic white mica occurring in aggregates which are semi-pseudomorphs of subprismatic feldspar grains. Intervening areas consist of granular semi interlocking quartz with fairly fine grained amber rutile partly as inclusions. Quartz is probably largely relict-primary but has been recrystallised subsequent to the development of sericite and rutile. In view of the modified fabric there is little to choose between extrusive and intrusive origins, however, dacite composition seems

likely and a pyroclastic origin can be ruled out. Poikilitic subhedral pyrite is common. The alteration is reminiscent of greisenizing."

Interbedded with this rock are relatively thin bands of rock which now consist almost entirely of quartz and chlorite with ultrafine rutile. Although weakly layered the rock is fairly homogenous and devoid of fragmental or pyroclastic features. A dacitic primary composition seems likely, in which case the chlorite should be considered as metasomatic. Alternatively these may represent basic dykes.

A fairly wide zone of agglomerates, lapilli tuffs and tuffs occurs east of the 'sericite schist' and this zone extends northwards past the Chester mine where agglomerates are more common and cover an area of approximately 1 sq km. A sample from the access road to CP 3 has been described as a dacite agglomerate lava of vent or near vent origin. Within this zone the syngenetic pyrite deposit of Chester is associated with a chemical chert. The eastern boundary of the agglomerate zone is defined by the barium content in the soils. Soil samples over the western zone generally have a barium content greater than 150 ppm whereas to the east only isolated samples exceed 150 ppm barium. In borehole CP 3 the core is grey with no pink colouring and may represent an almost andesitic dacite.

This sequence is not apparent in boreholes CP 19 and CP 21 drilled on lines 2N and 1N respectively. The western sericite schist has not been intersected and a pink agglomerate which differs from that intersected in CP 3 forms the predominant rock type.

Correlation of rock types intersected by drilling has not yet been determined.

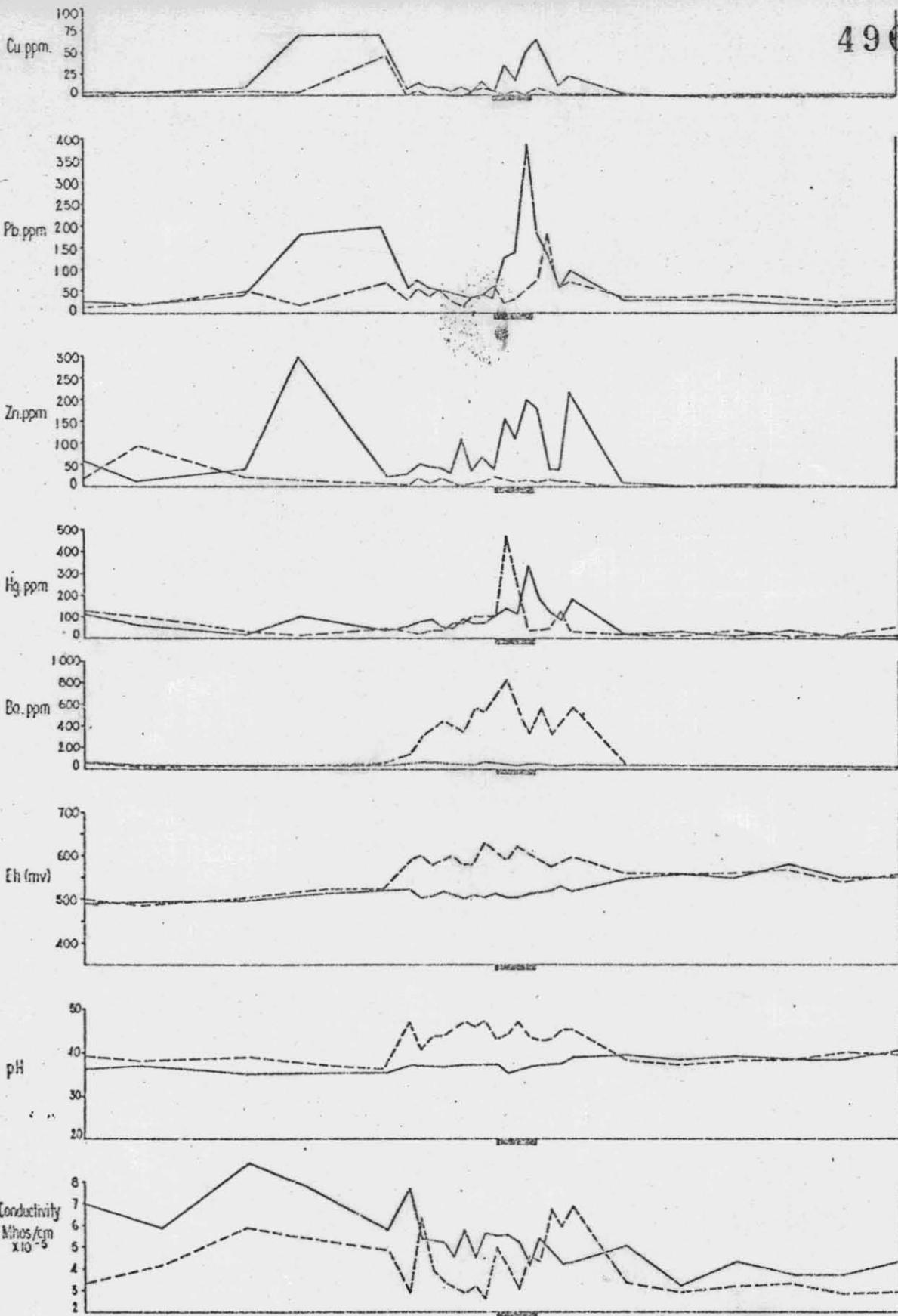
3.4. Geology of Pinnacles

The Pinnacles prospect covers 2 sq km west of Burns Peak. It is centred on the old silver lead prospect known as the Pinnacles.

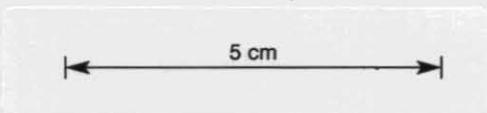
Rocks within the area are mainly pyroclastics or sediments containing a high proportion of transported pyroclastics. Minor dacites occur within the sequence and to the south and east of the prospect.

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KEY
 0-15 cm. A0-A1 ———
 45-60 cm. A3 - - - -
 - e0#



Cu, Pb, Zn, Ba, Hg, pH, Eh and conductivity results for orientation soil traverse at Pinnacles.

Spacially the Pinnacles prospect should be located on the eastern flank or close to the axial plane of the Que Syncline. Dip measurements from diamond drill core and exposures in costeans gives a steep easterly dip. However facing determinations give a younging to the west. These measurements indicate that the Que Syncline has become isoclinal and overturned in the vicinity of the Pinnacles prospect. The tightening of the fold would help to explain possible shearing in borehole CP 3 along the axial plane of the fold.

Such a structure would form a good locus for re-mobilized base metal sulphides

4. GEOCHEMISTRY

4.1. Method

An orientation sampling survey was completed across the mineralisation exposed in the old trench on line 22S at the Pinnacles. Samples were collected every 6 inches to bedrock and analysed for Cu, Pb, Zn, Hg and Ba. In addition the Eh, pH and Ionic conductivity were determined.

Results of this survey are summarised in TAS-2-691

The behavior of metals in the Ao, A1 and A3 horizons over mineralisation obviously differs. The table below outlines contrasts obtained over mineralisation with respect to background, for the two horizons.

Element	Ao-A1	A3
Cu	15	1-2
Pb	16	7
Zn	100	1-2
Ba	1	30
Hg	6	10

The distribution of elements is consistent with the electrochemical model of dissolution of polymetallic sulphides. Cu, Pb and Zn have been released from the sulphides and have migrated under the influence of electric potentials to the Ao-A1 horizons where chelation has occurred to form organometallic compounds.

This initial work led to further sampling of the Ao-A1 horizon at Pinnacles and showed excellent correlation of anomalous Cu, Pb and Zn content over Thomas's tunnel plus other anomalies which on costeaning exposed massive fine grained sphalerite.

On the basis of these results it was decided to re-sample the previously unresponsive Chester grid.6

4.2. Chester

1735 Ao-Al soil samples were analysed for Cu, Pb, Zn, Ba and Hg. The following table summarises the results:-

Element	range ppm		mean	standard deviation
	low	high		
Cu	< 2	72	4.71	6.03
Pb	< 4	950	25.51	46.86
Zn	< 2	1800	22.02	77.52
Ba	< 20	3000	136.11	172.66
Hg	< 5 ppb	2200 ppb	90.09 ppb	106.23 ppb

Correlation co-efficients are very poor as illustrated in table below:-

	Cu	Pb	Zn	Ba	Hg
Cu	1.00	.46	.20	.41	.35
Pb		1.00	.22	.29	.22
Zn			1.00	.13	.04
Ba				1.00	.21
Hg					1.00

Overlays outlining the anomalies are shown on plans TAS-2-696-700 and TAS-2-706 & 707

The most significant observation is the generally higher barium content over the western part of the area and the concentration of anomalous copper, lead and zinc values close to the boundary of the eastern dacites and agglomerates.

Unfortunately the access road runs along line 6N between 530E and 650E and therefore no Ao-Al sampling was possible.

The high values on line 1N from 460E to 520E were explored by borehole CP 21. Disseminated sphalerite and galena were intersected but their significance is not yet understood.

4.3. Pinnacles

Since alternate lines were assayed by different laboratories there are discrepancies in the detection limit. This is especially noticeable for Ba and Hg. In consequence the initial samples are being re-assayed to establish conformity.

971 Ao-Al soil samples were analysed for Cu, Pb Zn, Ba and Hg. The following table summarises the results:

Element	Range ppm		Mean	Standard Deviation	Threshold for communities		
	Low	High			1	2	3
Cu	2	4700	11	177	6.5	13.5	32
Pb	2	6000	40	255	24	48	210
Zn	2	1%	41	382	18	52	200
Ba	20	1500	96	143	90	320	400
Hg	5	4600 ppb	64 ppb	183 ppb	50	100	150

NOTE: Hg results expressed in ppb

Correlation co-efficients are very high (cf Chester)

	<u>Cu</u>	<u>Pb</u>	<u>Zn</u>	<u>Ba</u>	<u>Hg</u>
Cu	1	0.90	0.98	-0.01	0.14
Pb		1	0.90	0.11	0.13
Zn			1	0.01	0.13
Ba				1	0.03
Hg					1

An R mode factor analysis was carried out on these samples and confirms the initial high correlation co-efficients for Cu, Pb and Zn. Factor 1 in the rotated factor matrix is dominant having the following elemental association with scores of Zn .989; Cu .988; and Pb .948.

Overlays outlining the anomalies are shown on plans TAS-2-832 and TAS-2-834 to 841. Although not continuous there is a well defined discontinuous anomaly extending from 15W on line 14S to 17.2W on line 25S. This anomaly closely follows the shale exposed in costeans and intersected in boreholes. A second discontinuous anomaly follows the interpolated acid volcanic-greywacke contact along the west of the grid.

The anomaly along the eastern side of the grid is due to a more basic rock type - possibly an altered basic dyke.

4.4. East Chester awaiting statistics

A grid laid out in an area between the Pinnacles and the Murchison Highway to augment stream sediment sampling produced a number of anomalous soil samples. The grid was extended to the south west and the most southerly line contains highly anomalous copper lead and zinc values. The grid requires extending to determine the full extent of the anomaly. Should an anticline occur as postulated under structural geology this grid occurs at about the same stratigraphic level as Chester.

5. GEOPHYSICS

A gradient array I.P. survey was completed over the Pinnacles grid.

5.1. Resistivity

A broad zone of low resistivity readings occurs along the western part of the grid from 22S Northwards. This is equated with the sediments west of the Mt Read Volcanics.

A second zone occurs at approximately 16W and may represent the second shale band at depth. Other minor low resistivity readings may represent bands of sericite schist.

The high resistivity at the SW corner of the grid is difficult to explain. It may however represent acid volcanics in the core of the syncline.

5.2. Percentage Frequency Effect (%F.E.)

The highest %F.E. is in the south west corner of the grid associated with high resistivity. A few high values on lines 14S, 16S and 20S may represent the shale band although the highs are on the west side of the resistivity lows. Possibly representing pyrite in the shales.

6. DIAMOND DRILLING

6.1. Chester

11 boreholes have been drilled at Chester since CP 3 intersected 22.33% Zn; 5.24% Pb 65.4 ppm Ag; 8.77% Ba over a drilled width of 2.4 metres.

Not one of the boreholes intersected economic grade mineralisation and correlation of rock types is difficult due to an absence of marker bands.

On section line 6N boreholes CP 5 and CP 18 show an enhancement of zinc values in rock types which can be equated to the host to mineralisation in borehole CP 3.

Along strike to the south, the basal rhyolite is intersected in borehole CP 4 on line 4N but neither CP 19 nor CP 20 on lines 2N and 1N respectively intersected rhyolite.

A 30 m wide limonite rich zone was intersected in boreholes CP 19 and CP 20 and as the zinc content is enhanced it may represent a leached gossan.

Copies of drill logs are enclosed - see appendix 1.

6.2. Pinnacles

8 boreholes have been drilled at the Pinnacles prospect.

Summary of indicated values of mineralisation - p. 9a.

The mineralisation intersected is generally within shales and into the acid volcanics to the east. Two boreholes CP 7 and CP 10 did not intersect a shale - acid volcanic contact. CP 7 stopped in sediments and CP 10 was collared in footwall acid volcanics.

The mineralisation intersected in borehole CP 14 is postulated to be on the western limb of the overturned Que Syncline whereas all other boreholes were drilled into the eastern limb.

7. CONCLUSIONS

Although no economic mineralisation has been intersected in the drilling done during the last 12 months, the extent of mineralisation intersected in borehole CP 3 has still not been resolved.

Information from drilling and costeaning has given a better understanding of the structure of the area.

At Pinnacles it is possible that the 1% zinc mineralisation intersected on the flanks of the Que Syncline may be remnants of mineralisation which was remobilized during the Tabberabberan Orogeny into the axial plane of the fold.

9a

6.2 Pinnacles

The following summarises indicated values of mineralisation at 0.5% Zn cut^{off} for intersections greater than 2.5 m drilled thickness.

Borehole	Line	Peg	from	To	Zn %	Pb %	Cu %	Cd ppm	Ag ppm	Drilled width
CP 7	16S	17.0W	93.0	96.0	1.00	0.34	0.09	30	not	3.0 m
CP 9	20S	17.56W	18.0	119.0	0.98	0.14	0.04	30	assayed	101.0 m
		includes	66.0	71.0	2.15	0.17	0.01	62	"	5.0 m
			78.0	86.0	2.99	0.04	0.08	92	"	8.0 m
CP 10	24S	16.81W	151.0	155.0	1.04	0.20	0.03	32	3	4.0 m
CP 12	18S	16.0 W	107.8	128.4	1.32	0.10	< 0.01	43	1	20.6 m
		includes	120.3	128.4	1.99	0.08	< 0.01	62	2	8.1 m
CP 13	20S	17.0 W	8.0	15.7	1.06	0.31	0.05	54	7	7.7 m
			29.4	61.2	1.08	0.30	0.11	47	5	31.8 m
		includes	49.4	61.2	2.24	0.17	0.12	72	5	11.8 m
CP 14	16S	17.0 W	127.21	158.21	1.01	0.10	< 0.01	not ass.	not ass.	31.0 m
		includes	128.21	123.21	1.41	0.03	< 0.01	"	"	4.0 m
			136.21	147.21	1.27	0.22	0.01	"	"	11.0 m
			152.21	157.21	1.10	0.06	0.01	"	"	5.0 m
			175.9	179.16	0.59	0.01	< 0.01	"	"	3.26 m
CP 15	24S	16.62W	39.9	56.0	1.71	0.74	< 0.01	52	6	16.1 m
		includes	39.9	44.7	2.16	1.18	0.01	69	9	4.8 m
			48.3	51.0	3.17	1.12	< 0.01	92	10	2.7 m

10.

The anomaly on the East Chester Grid may be at a similar stratigraphic horizon to Chester and Mackintosh if the postulated anticline is present.

8. PROPOSALS

8.1. Chester

All boreholes need to be re-examined to determine whether rock types intersected in boreholes can be correlated.

A costean should be excavated on line 7S between 80E and 260E, where the grid line is following the topographic contour, to determine what is causing the high lead and zinc values in the soils.

Another borehole should be drilled to intersect a target 50 - 75 m below borehole CP 3.

8.2. Pinnacles

Costeans are required to expose the southern extension of the shale band to determine whether it forms a fold nose.

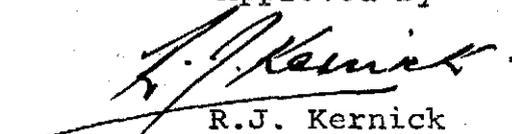
Diamond drilling should then probe the fold axis at the base of the shale horizon.

8.3. East Chester

The grid will require extending to determine the extent of the Pb and Zn anomalies.

Compiled by
D.B. Orr
R.N. Smith
Geologists

Approved by


R.J. Kernick
EXPLORATION MANAGER

INTERIM REPORT ON CHESTER & PINNACLES - SEPTEMBER 1975ILLUSTRATIONS

TAS -	2	-	691	Locality plan		
	2	-	833	Geology plan of Chester Pinnacles Area		
	2	-	801	Geology of Chester Area		
	2	-	698	Coloured transparency overlays	1.	Cu
	2	-	699		2.	Pb
	2	-	696		3.	Zn
	2	-	700		4.	Ba
	2	-	697		5.	Hg
	2	-	706		6.	Ip <i>a. Resistivity</i>
	2	-	707		7.	Sp.
TAS -	2	-	832	Geology of Pinnacles		
	2	-	834	Coloured transparency overlays	1.	Cu
	2	-	835		2.	Pb
	2	-	836		3.	Zn
	2	-	837		4.	Ba
	2	-	838		5.	Hg
	2	-	839		6.	Factor 1 Scores
	2	-	841		7.	Resistivity
	2	-	840		8.	% Frequency

DRILLHOLE SECTIONS

			<u>Scale</u>
TAS - 2 - 679	Chester	Line 10N	1:1000
		"	1:1500
	Histogram for Pb in boreholes overlay Histogram for Zn in boreholes overlay		
TAS - 2 - 820	Chester	Line 6N	1:1000
		"	1:2000
	Histogram for Pb in boreholes overlay Histogram for Zn in boreholes overlay		
TAS - 2 - 821	Chester	Line 5N	1:1000
		"	1:1500
	Histogram for Pb in boreholes overlay Histogram for Zn in boreholes overlay		
TAS - 2 - 822	Chester	Line 4N	1:1000
		"	1:1500
	Histogram for Pb in boreholes overlay Histogram for Zn in boreholes overlay		
TAS - 2 - 826	Chester	Line 2N	1:1000
		"	1:1500
	(No histogram for Pb in boreholes overlay - Values < 200 ppm) Histogram for Zn in boreholes overlay		
TAS - 2 - 827	Chester	Line 1N	1:1000
		"	1:2000
	Histogram for Pb in boreholes overlay Histogram for Zn in boreholes overlay		
TAS - 2 - 831	Pinnacles	Line 16S	1:1000
		"	1:1500
	Histogram for Cu in boreholes overlay Histogram for Pb in boreholes overlay Histogram for Zn in boreholes overlay		
TAS - 2 - 828	Pinnacles	Line 18S	1:1000
	Histogram for Cu in boreholes overlay Histogram for Pb in boreholes overlay Histogram for Zn in boreholes overlay		
TAS - 2 - 829	Pinnacles	Line 20S	1:1000
		"	1:1500
	Histogram for Cu in boreholes overlay Histogram for Pb in boreholes overlay Histogram for Zn in boreholes overlay		

TAS - 2 - 830

Pinnacles Line 24S

1:1000

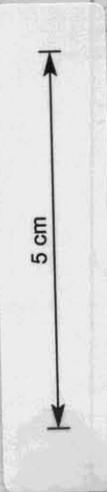
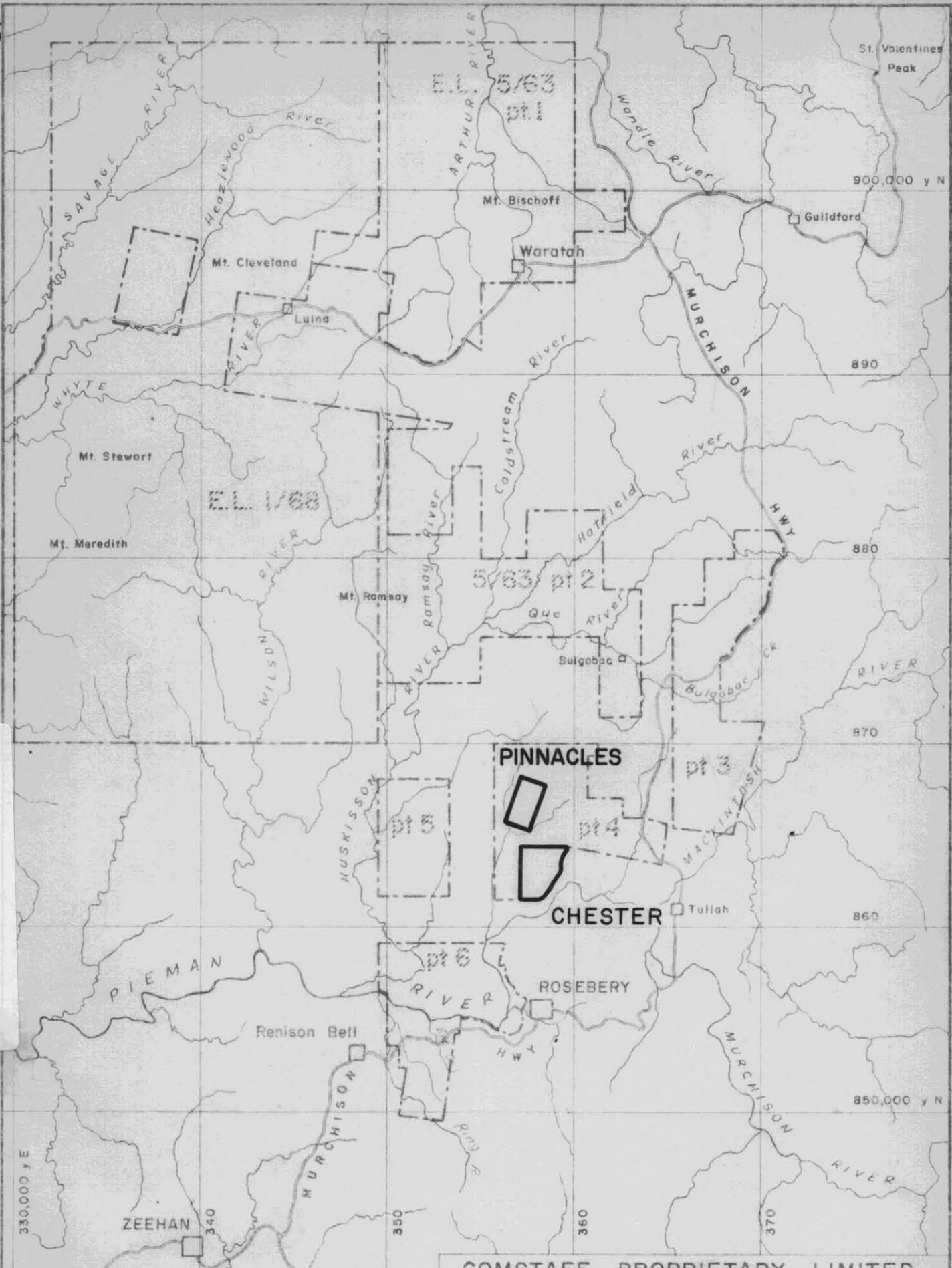
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1:1500

Histogram for Cu in boreholes overlay

Histogram for Pb in boreholes overlay

Histogram for Zn in boreholes overlay



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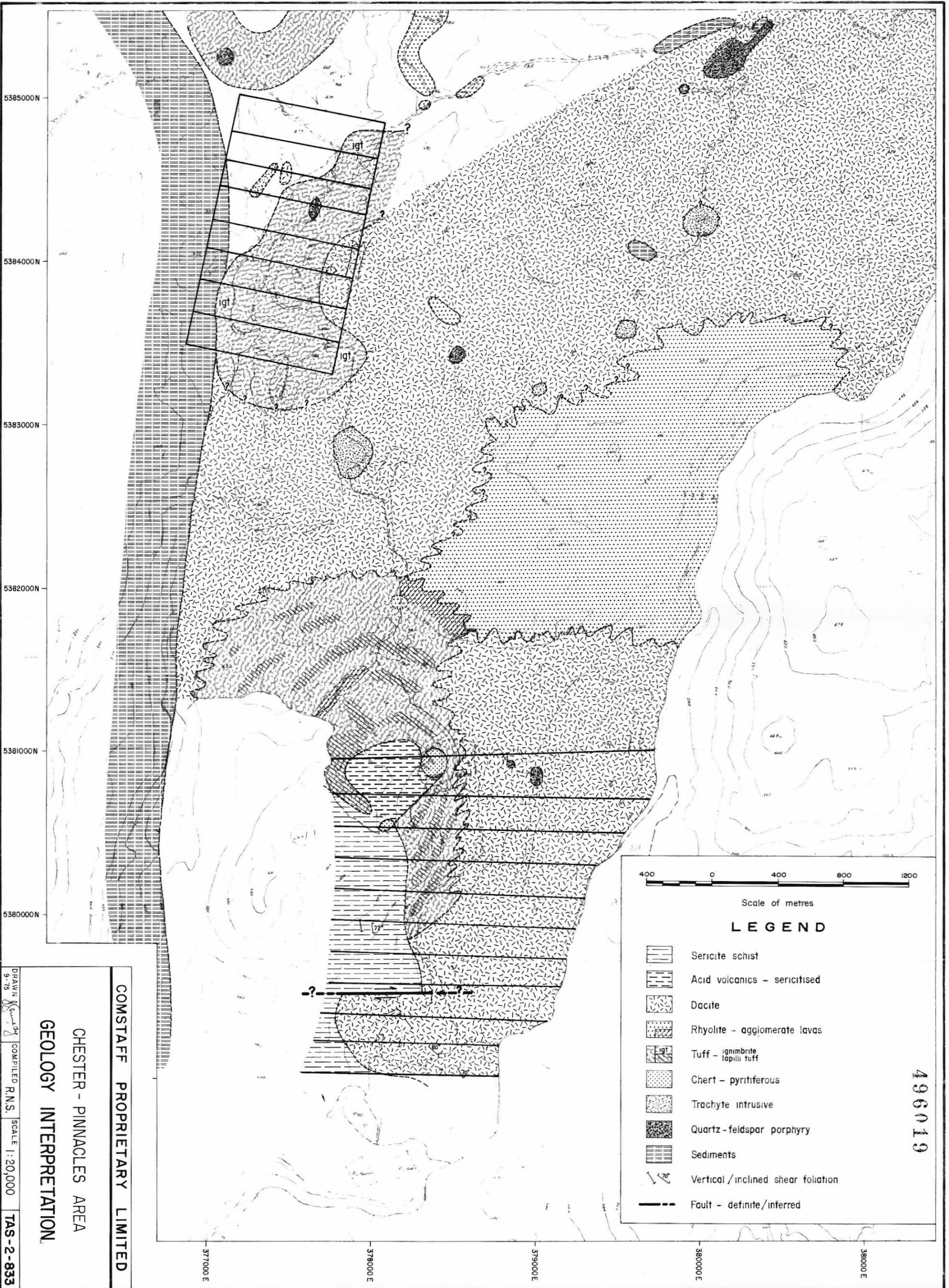
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CHESTER - PINNACLES

LOCATION MAP

DRAWN MAY, 75 <i>R. Little</i>	COMPILED	SCALE 1 : 250,000	DWG TAS-2-691
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COMSTAFF PROPRIETARY LIMITED
 CHESTER - PINNACLES AREA
 GEOLOGY INTERPRETATION

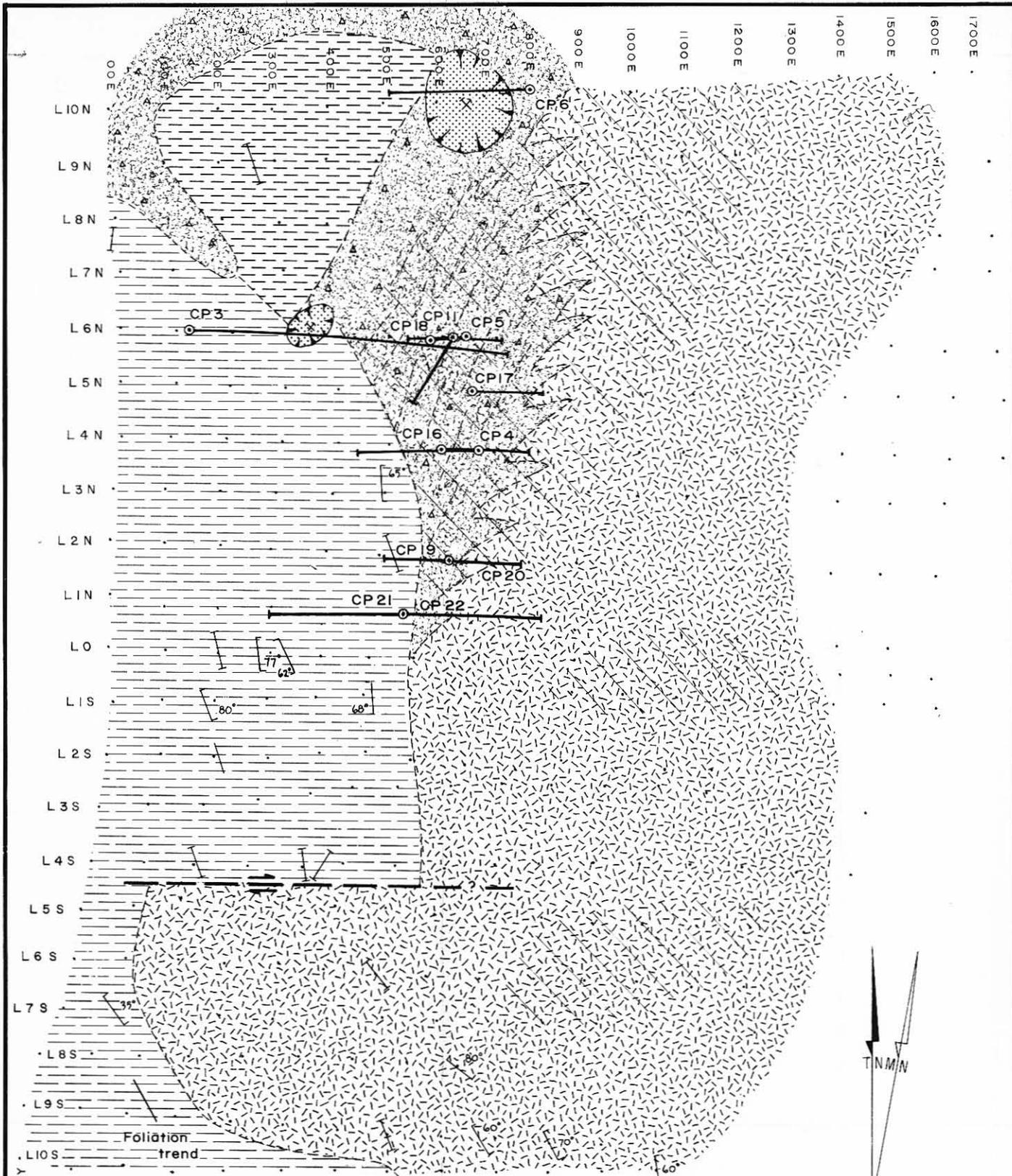
DRAWN BY [Signature] 9-75
 COMPILED R.N.S. SCALE 1:20,000
 TAS-2-833

400 0 400 800 1200
 Scale of metres

LEGEND

- [Symbol] Sericite schist
- [Symbol] Acid volcanics - sericitised
- [Symbol] Dacite
- [Symbol] Rhyolite - agglomerate lavas
- [Symbol] Tuff - ignimbrite lapilli tuff
- [Symbol] Chert - pyritiferous
- [Symbol] Trachyte intrusive
- [Symbol] Quartz-feldspar porphyry
- [Symbol] Sediments
- [Symbol] Vertical/inclined shear foliation
- [Symbol] Fault - definite/inferred

496019



- LEGEND**
- "Sericite schist" - acid volcanics altered to sericite and foliated by shearing
 - Grey/green dacites and porphyritic dacites
 - Agglomerate, agglomerate lavas, lapilli tuffs
 - Tuffs
 - Chert
 - Unsheared sericite acid volcanics
 - More highly chloritised
 - Postulated fault
 - Vertical/inclined shear foliation
 - Diamond drillhole
 - Pyrite mine exposure

1:10 000

100 0 100 200 300 400 500
METRES

* Preliminary geology interpretation only

COMSTAFF PROPRIETARY LIMITED

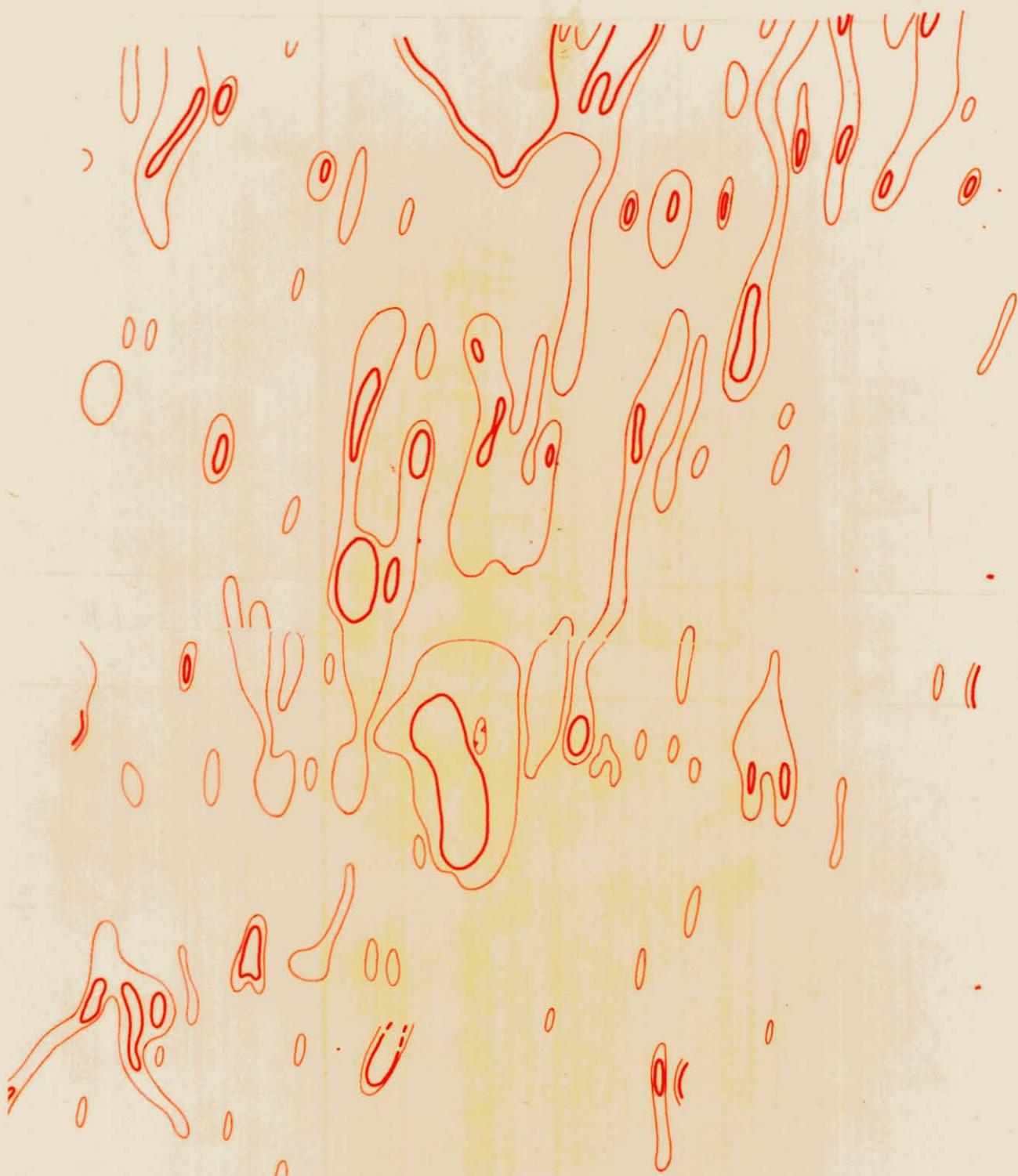
CHESTER METRIC GRID

GEOLOGY INTERPRETATION & DDH SITES

DRAWN 5/75	COMPILED RNS	SCALE 1:10,000	TAS/2/801
---------------	-----------------	-------------------	-----------

5 cm

496021
018C



— 16 + ppm
— 7 + ppm

5 cm

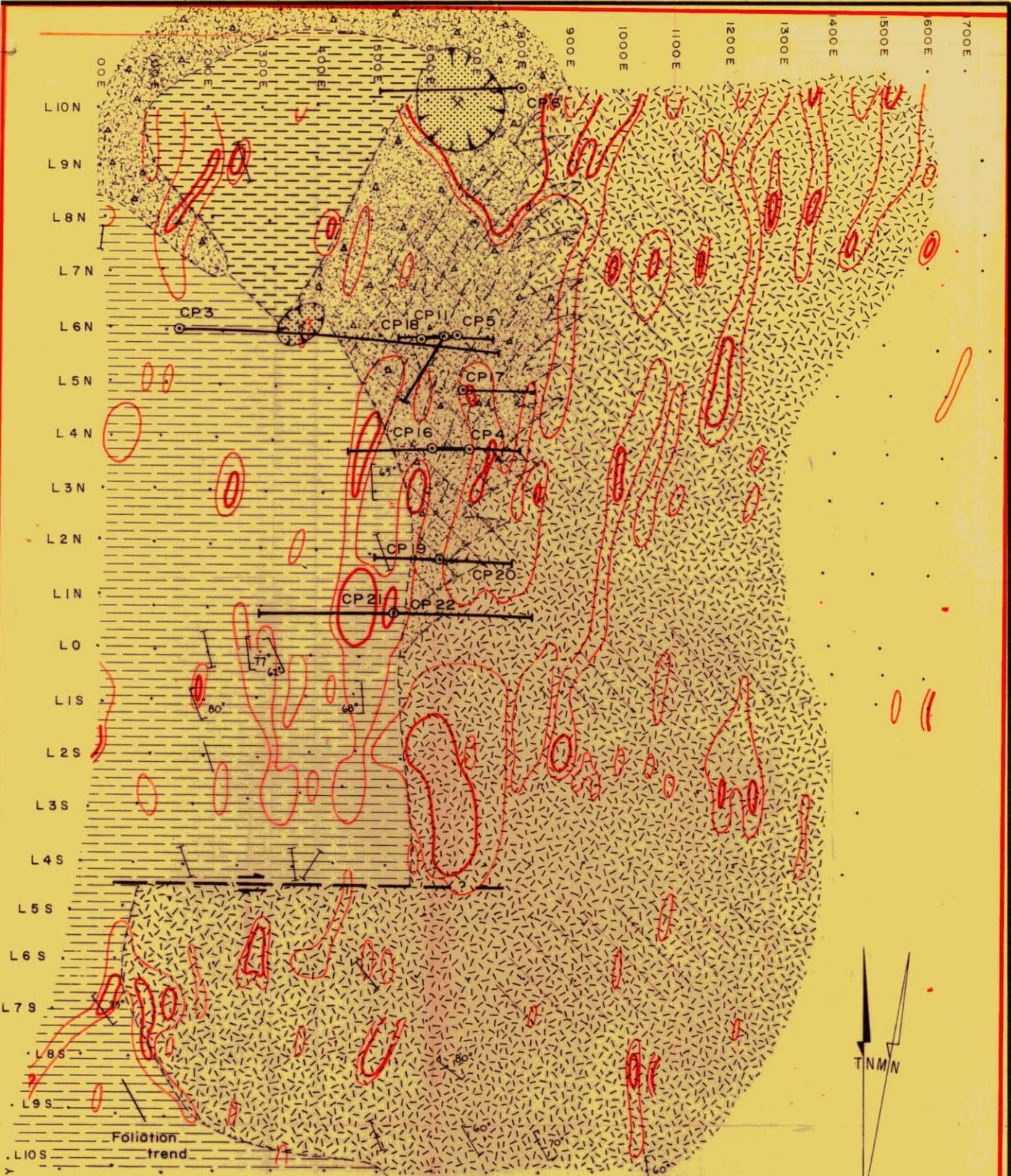
AUSTRALIAN ANGLO AMERICAN LIMITED

GEOCHEMICAL CONTOURS — PPM Cu

DRAWN A.J.	COMPILED D.B.O.	SCALE 1:10,000	TAS-2-698
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- LEGEND**
- INTENSLEY SHEARED: "Sericite schist" - acid volcanics altered to sericite and foliated by shearing
 - LESS INTENSLEY SHEARED: Grey/green dacites and porphyritic dacites
 - Agglomerate, agglomerate lavas, lapilli tuffs
 - Tuffs
 - Chert
 - Unsheared sericitised acid volcanics
 - More highly sheared
 - Postulated fault
 - 50°

* Preliminary geology interpretation only
AUSTRALIAN ANGLo AMERICAN LIMITED
COMSTAFF PROPRIETARY LIMITED
 CHESTER METRIC GRID
GEOCHEMICAL CONTOURS - ppm Cu
GEOLOGY INTERPRETATION & DDH SITES

DRAWN: A.J. 5/75
 COMPILED: D.B.O. RNS
 SCALE: 1:10,000
 TAS-2-698
 TAS/2/801

5 cm

5 cm

496022
018D



—— 50+ ppm
—— 20+ ppm

5 cm

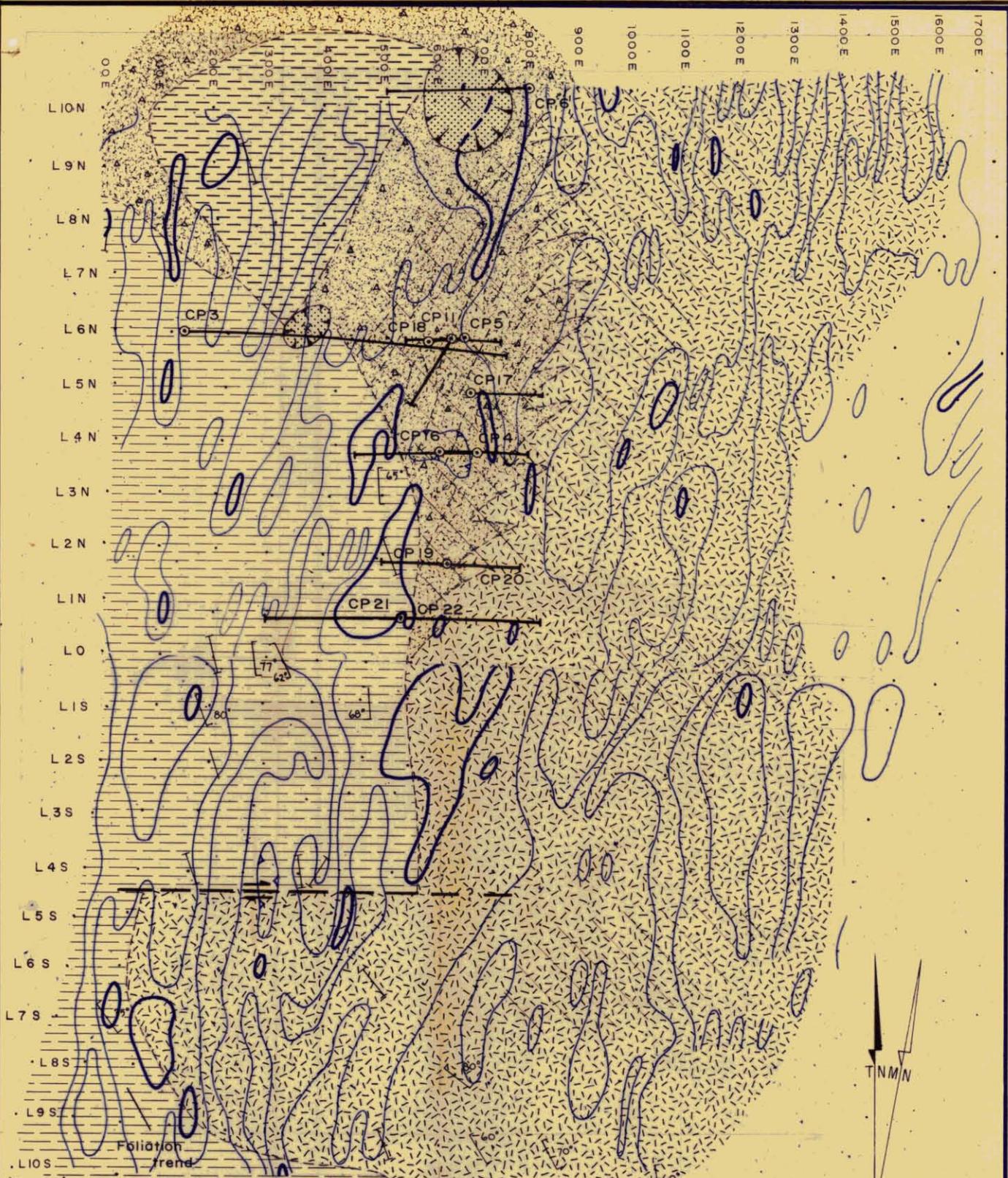
AUSTRALIAN ANGLO AMERICAN LIMITED

GEOCHEMICAL CONTOURS — PPM Pb

DRAWN BY [unclear] COMPILED BY [unclear] SCALE 1:10000 TAS-2-699

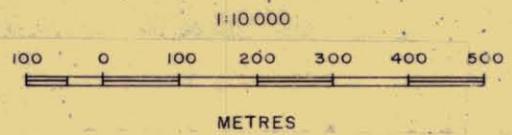
496022
018D

496020



LEGEND

- "Sericite schist" - acid volcanics altered to sericite and foliated by shearing
- Grey/green dacites and porphyritic dacites
- Agglomerate, agglomerate lavas, lapilli tuffs
- Tuffs
- Chert
- Unsheared sericite acid volcanics
- More highly chloritised
- Postulated fault
- Vertical/Inclined shear foliation



* Preliminary geology interpretation only

AUSTRALIAN ANGLo AMERICAN LIMITED

CHESTER METRIC GRID
GEOLOGICAL INTERPRETATION & DDPMSPLS

DRAWN A. J. 5/75	COMPILED B. O. BKS	SCALE 1:10000	TAS 2-6990
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5 cm

5 cm

496023
018A



— 100 + ppm
- - - 6 + ppm

5 cm

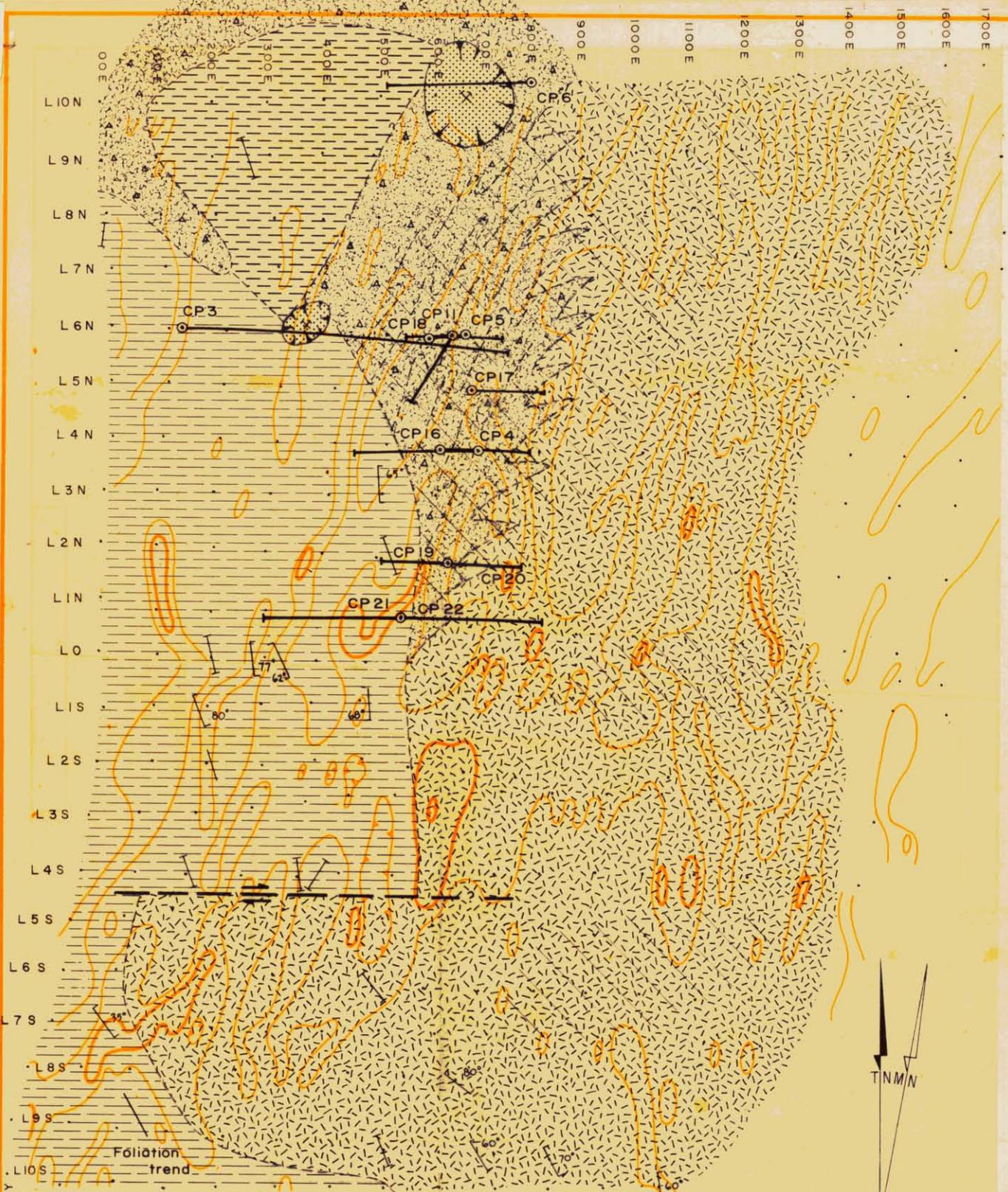
AUSTRALIAN ANGLO AMERICAN LIMITED

GEOCHEMICAL CONTOURS - PPM Zn

DRAWN A.J.	COMPILED D.B.O.	SCALE 1:10,000	TAS-2-696
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496023
018A

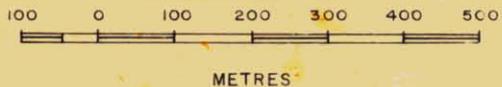
496020



LEGEND

- INTENSELY SHEARED: "Sericite schist" - acid volcanics altered to sericite and foliated by shearing
- LESS INTENSELY SHEARED: Grey/green dacites and porphyritic dacites
- Agglomerate, agglomerate lavas, lapilli tuffs
- Tuffs
- Chert
- Unsheared sericitised acid volcanics
- More highly chloritised > 6 + ppm
- Postulated fault
- Vertical/inclined shear foliation

1:10 000



* Preliminary geology interpretation only

ACOMSTAFF PROPRIETARY LIMITED

CHESTER METRIC GRID

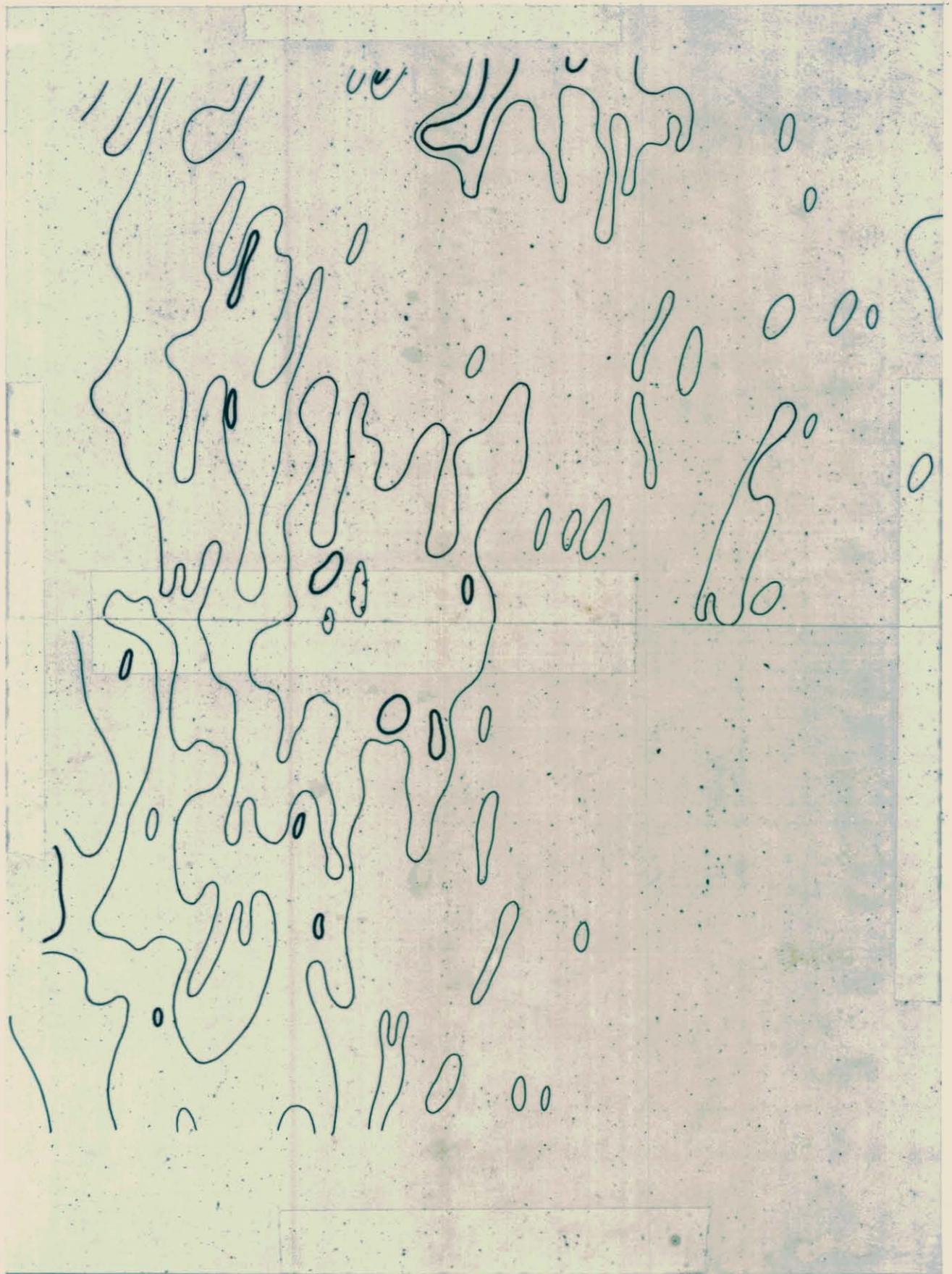
GEOLOGY INTERPRETATION & DDH SITES

DRAWN 5/75 A.J. Manjiv	COMPILED RNS	SCALE 1:10,000	TAS/27801
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5 cm

5 cm

496024
018E



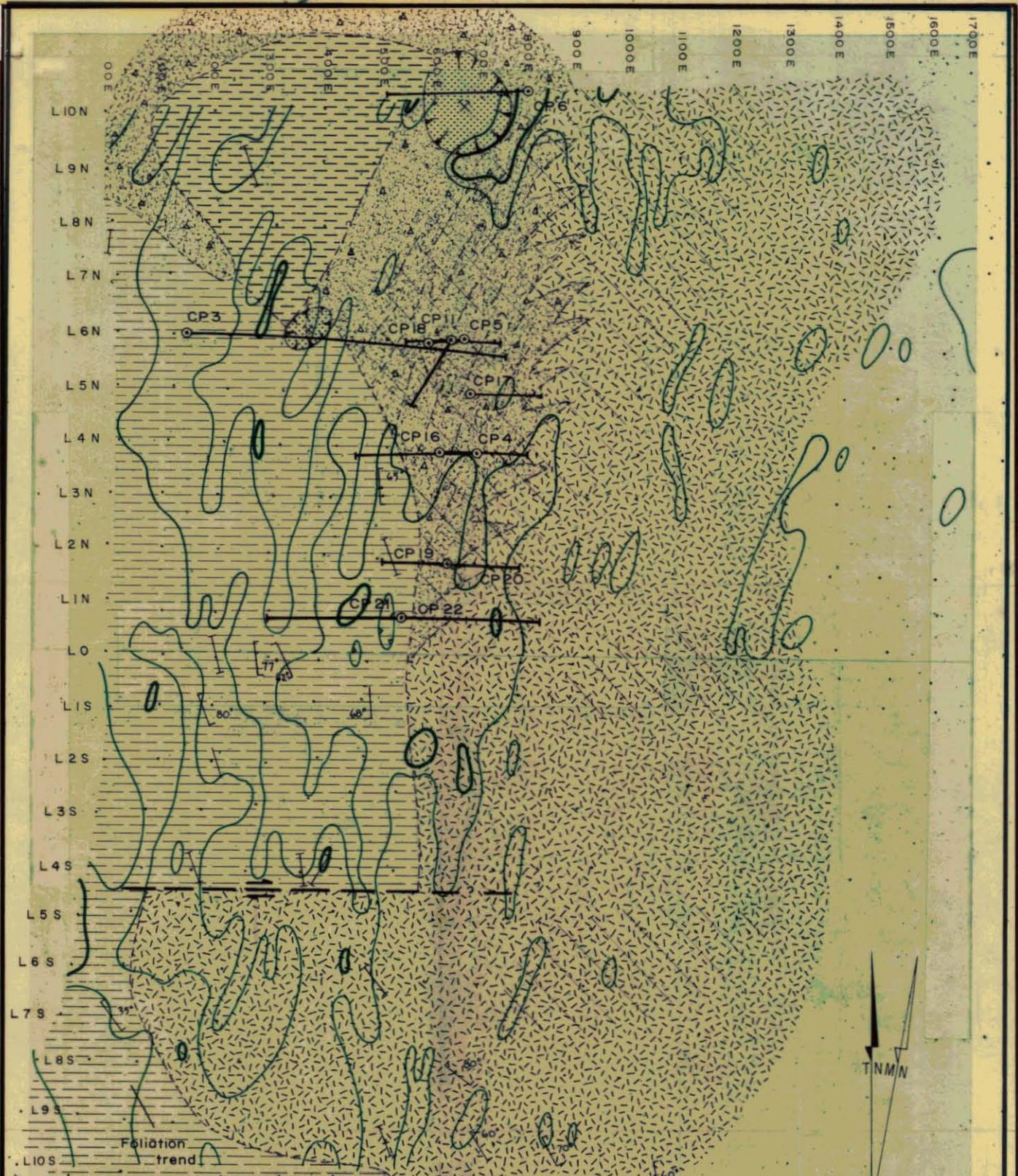
— 450 + ppm
— 150 + ppm

5 cm

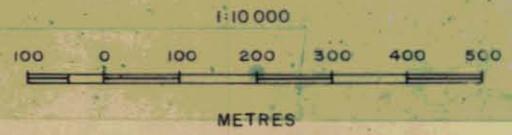
AUSTRALIAN ANGLO AMERICAN LIMITED			
GEOCHEMICAL CONTOURS - PPM Ba			
DRAWN A.J.	COMPILED D.B.O.	SCALE 1:10,000	TAS-2-700

496024
018E

496020



- LEGEND**
- INTENSLEY SHEARED
 - Sericite schist - acid volcanics altered to sericite and foliated by shearing
 - Grey/green dacites and porphyritic dacites
 - Agglomerate, agglomerate lavas, lapilli tuffs
 - Tuffs
 - Chert
 - Unsheared sericite acid volcanics
 - LESS INTENSLEY SHEARED
 - More highly sericitized
 - Postulated fault
- 450 + ppm
150 + ppm



* Preliminary geology interpretation only

AUSTRALIAN ANGLO AMERICAN LIMITED
COMSTAFF PROPRIETARY LIMITED

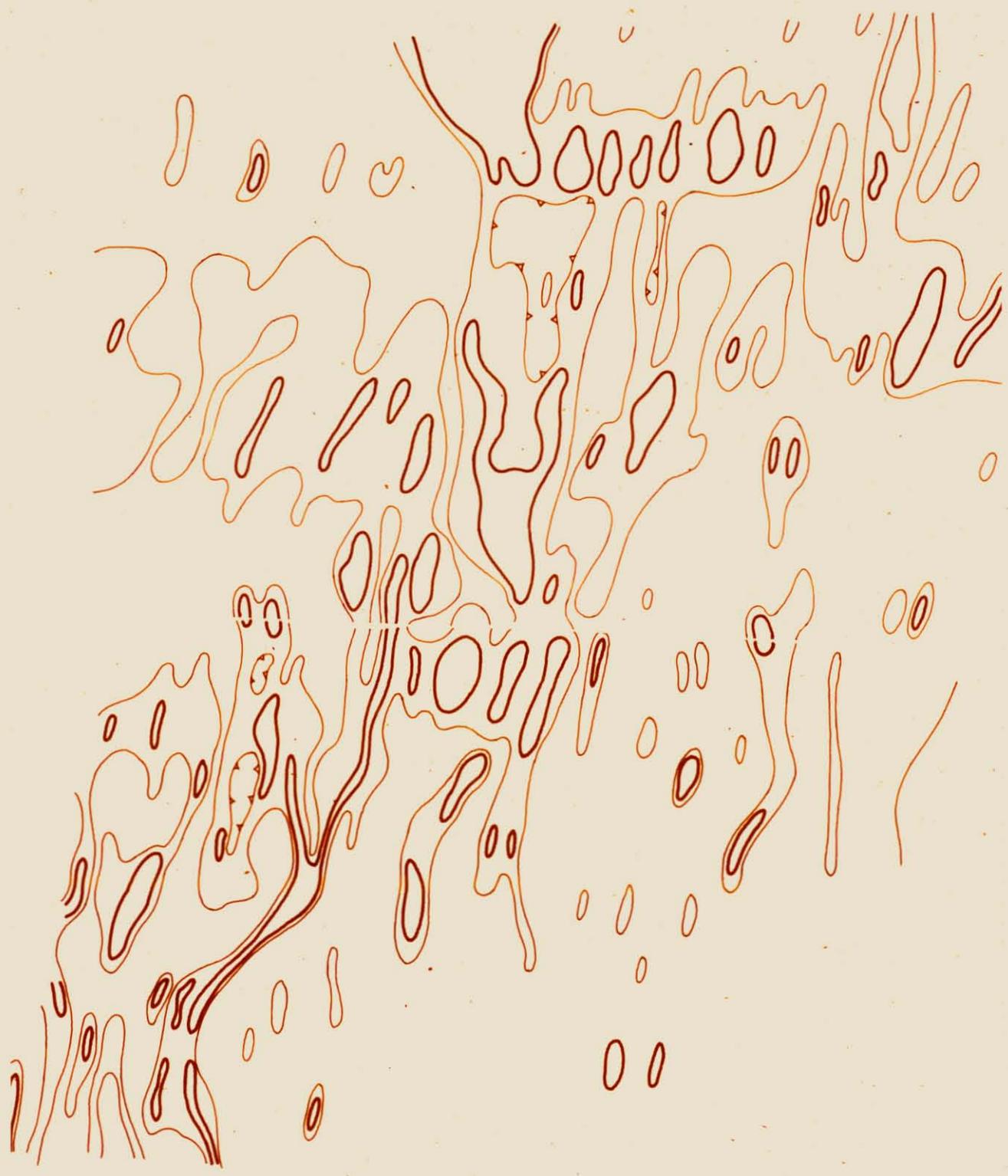
CHESTER METRIC GRID
GEOCHEMICAL CONTOURS - PPM Ba
GEOLOGY INTERPRETATION & DDH SITES

DRAWN DRAWN A.J. 5/75	COMPILED COMPILED B.O. RNS	SCALE SCALE: 10,000 1:10,000	TAS-2-700 1/6/72/80
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5 cm

5 cm

496025
8B



————— 200+ ppb
————— 100+ ppb

5 cm

AUSTRALIAN ANGLO AMERICAN LIMITED

GEOCHEMICAL CONTOURS — PPB Hg

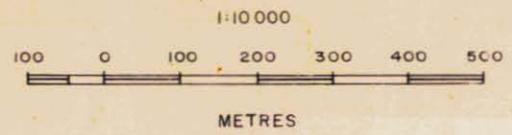
DRAWN A.J.	COMPILED D.B.O.	SCALE 1:10,000	TAS-2-697
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496025
8B

496020



- LEGEND**
- "Sericite schist" - acid volcanics altered to sericite and foliated by shearing
 - Grey/green dacites and porphyritic dacites
 - Agglomerate, agglomerate lavas, lapilli tuffs
 - Tuffs
 - Chert
 - Unsheared sericite acid volcanics
 - More highly quartzised
 - Postulated fault



5 cm

5 cm

* Preliminary geology interpretation only

AUSTRALIAN ANGLo AMERICAN LIMITED
COMSTAFF PROPRIETARY LIMITED

CHESTER METRIC GRID

GEOCHEMICAL CONTOURS - PPB Hg
GEOLOGY INTERPRETATION & DDH SITES

DRAWN A.J. 5/75 Man Winton	COMPILED D.B.O. RNS	SCALE 1:10,000 1:10,000	TAS-2-697 TAS/2/601
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496026
8F



— I.P. anomaly
— Low resistivity

AUSTRALIAN ANGLO AMERICAN LIMITED

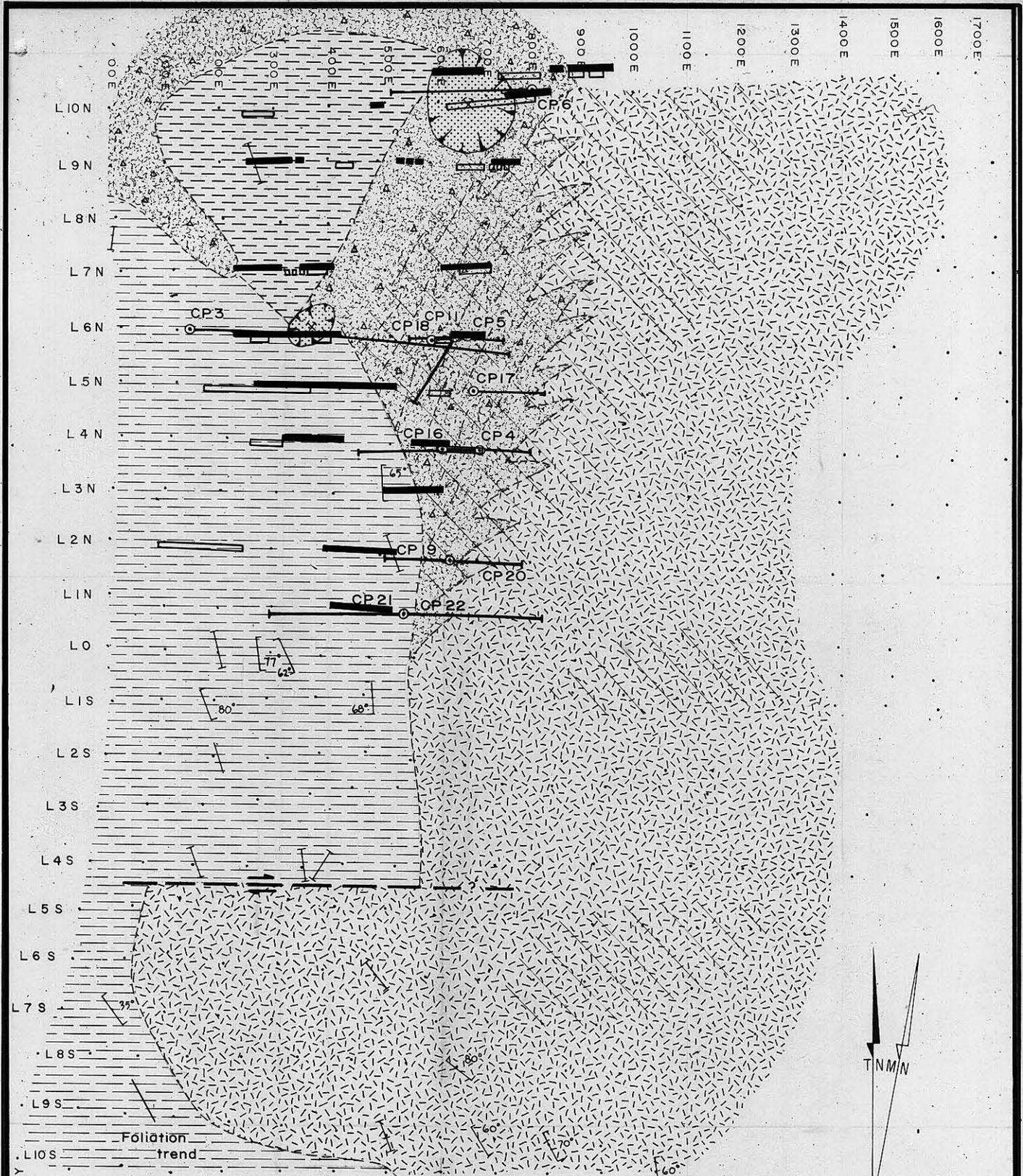
I.P. & RESISTIVITY

5 cm

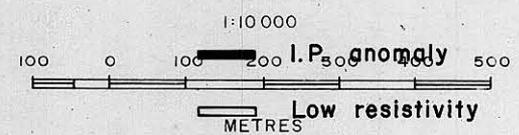
DRAWN 8/10/75	R.B.	COMPILED	SCALE 1:10,000	TAS-2-706
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496026
R 8F

496020



- LEGEND**
- "Sericite schist" - acid volcanics altered to sericite and foliated by shearing
 - Grey/green dacites and porphyritic dacites
 - Agglomerate, agglomerate lavas, lapilli tuffs
 - Tuffs
 - Chert
 - Unsheared sericited acid volcanics
 - More highly chloritised
 - Postulated fault.
 - Vertical/inclined shear foliation



* Preliminary geology interpretation only
AUSTRALIAN ANGLo AMERICAN LIMITED
 CONSTANT PROPRIETARY LIMITED

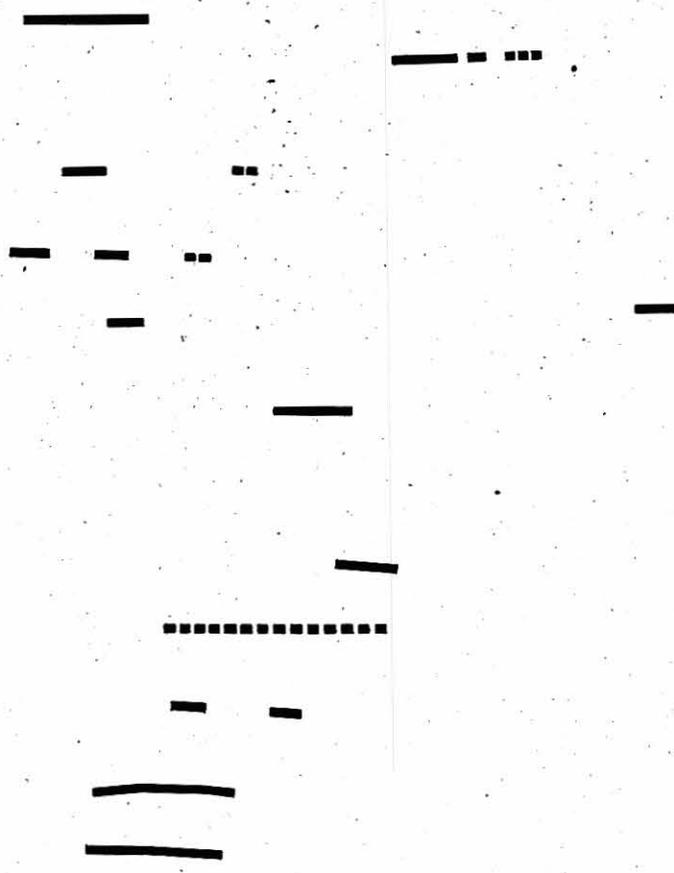
CHESTER METRIC GRID
GEOLOGY INTERPRETATION & YDH SITES

DRAWN R.B. 5/7/75	COMPILED RNS	SCALE 1:10,000	IAS-2-706 IAS 2789
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5 cm

5 cm

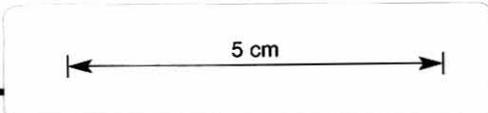
496027
0186



— S.P. anomaly

AUSTRALIAN ANGLO AMERICAN LIMITED

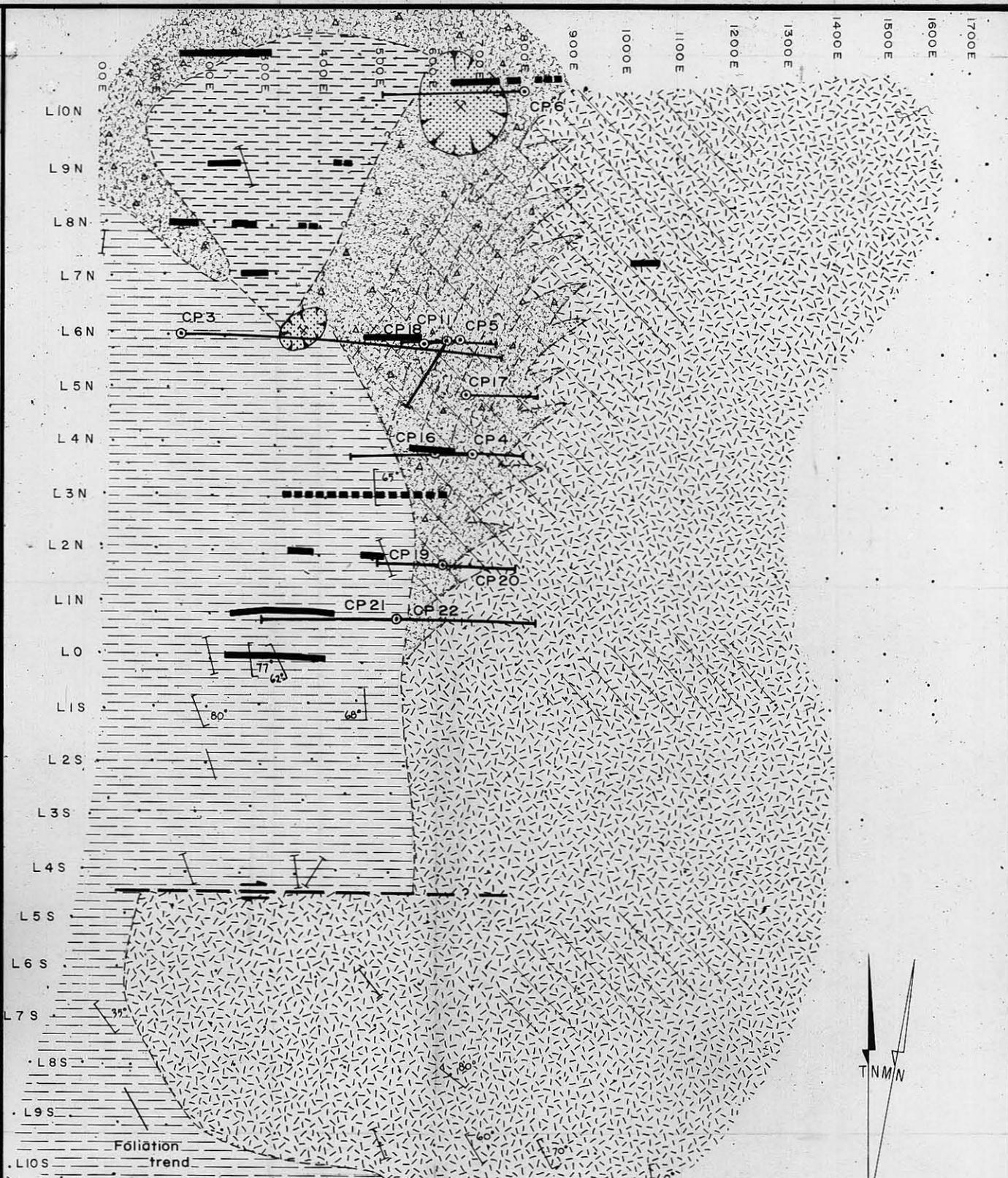
SELF POTENTIAL



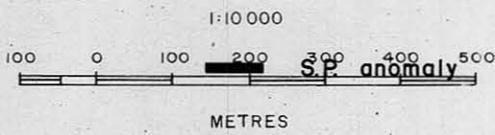
DRAWN 8/10/75 R.B.	COMPILED	SCALE 1:10,000	TAS-2-707
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496027
018G

496020



- LEGEND**
- "Sericite schist" - acid volcanics altered to sericite and foliated by shearing
 - Grey/green dacites and porphyritic dacites
 - Agglomerate, agglomerate lavas, lapilli tuffs
 - Tuffs
 - Chert
 - Unsheared sericite acid volcanics
 - More highly chloritised
 - Postulated fault



* Preliminary geology interpretation only

AUSTRALIAN ANGLo AMERICAN LIMITED

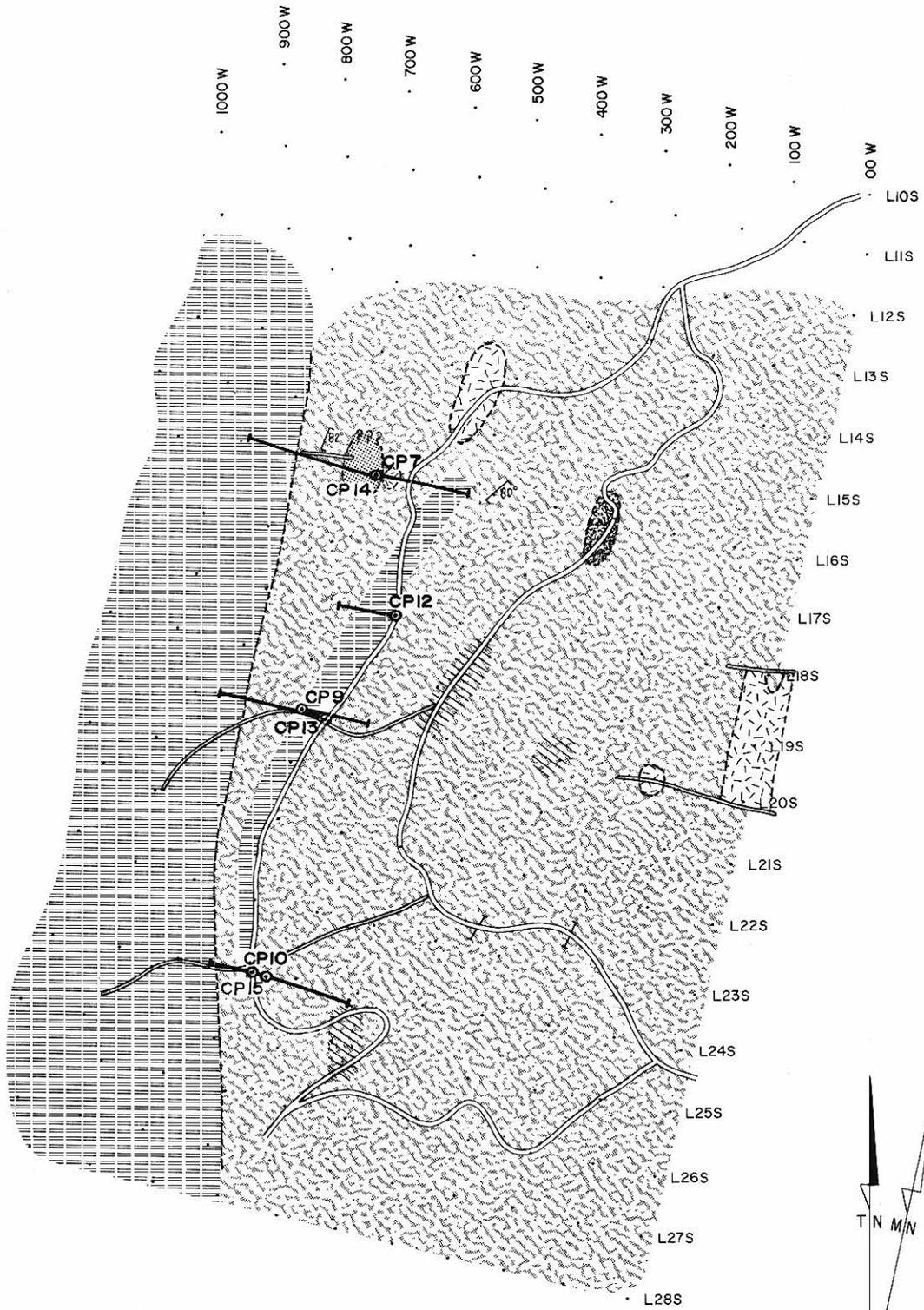
CHESTER METRIC GRID

GEOLOGY SELF POTENTIAL INTERPRETATION & DDH SITES

DRAWN K.B.	COMPILED R.N.S.	SCALE 1:10,000	TAS 25706
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5 cm

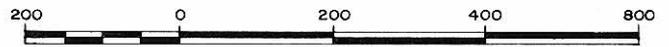
5 cm



LEGEND

- Acid pyroclastics - agglomerate, lapilli tuffs
- Dacite - green and porphyritic
- Quartz feldspar porphyry
- Greywacke's and shales
- Trachytic tuff-lava
- Vertical / inclined shear foliation
- Costean

5 cm



Scale of metres

COMSTAFF PROPRIETARY LIMITED

PINNACLES METRIC GRID

GEOLOGY INTERPRETATION & DDH SITES

498029
0-9 A



— 5+ ppm
— 13+ ppm
— 60+ ppm

5 cm

COMSTAFF PROPRIETARY LIMITED

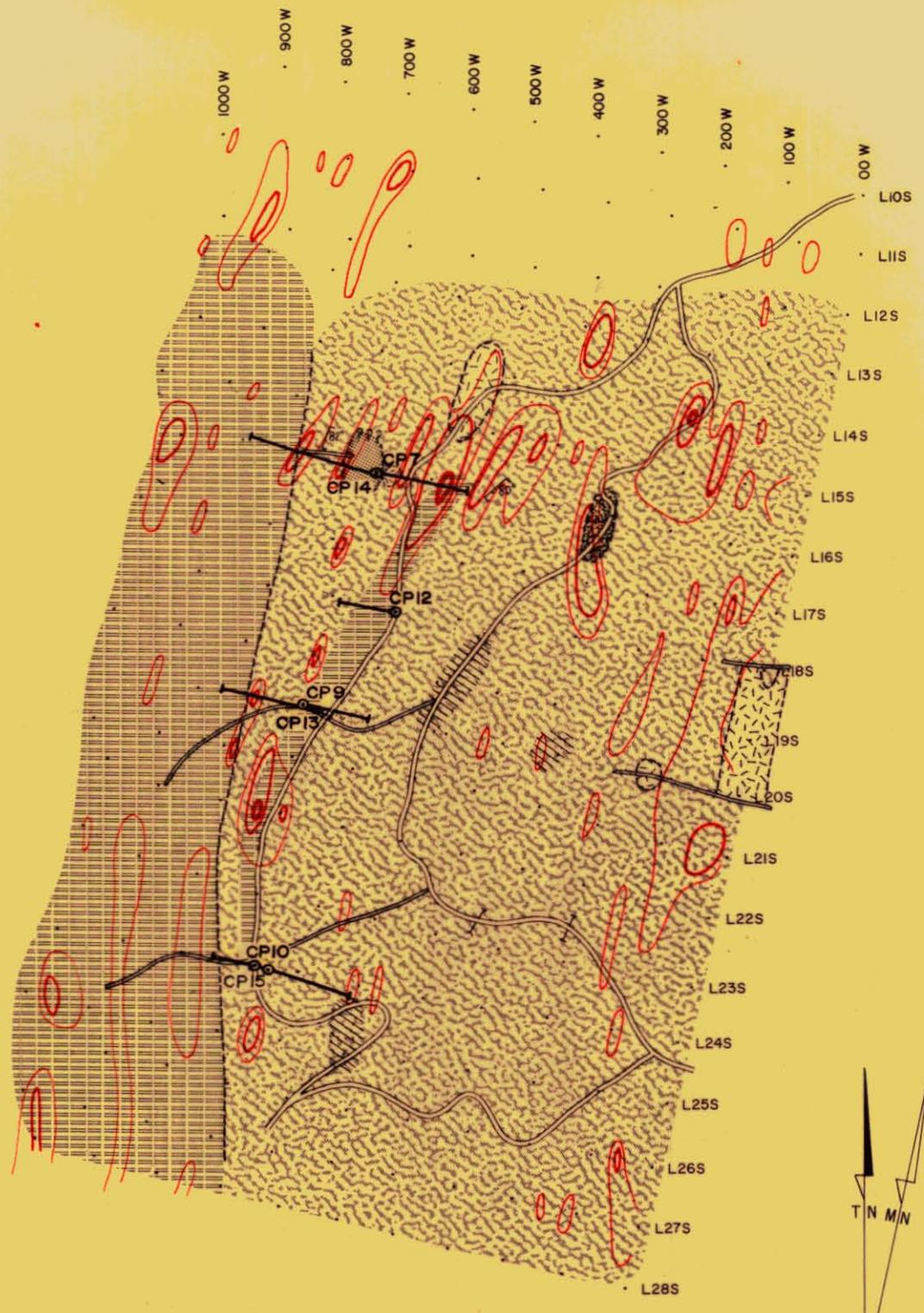
PINNACLES METRIC GRID

GEOCHEMICAL CONTOURS - ppm Cu

DRAWN *J. Kennedy* 9-75 COMPILED D.B.O. SCALE 1:10,000 TAS-2-834

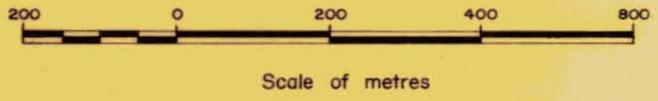
49029
0.9 A

496028



LEGEND

-  Acid pyroclastics - agglomerate, lapilli tuffs
-  Dacite - green and porphyritic
-  Quartz feldspar porphyry
-  Greywackes and shales
-  Trachytic tuff-lava
-  Vertical / inclined shear foliation



5 cm

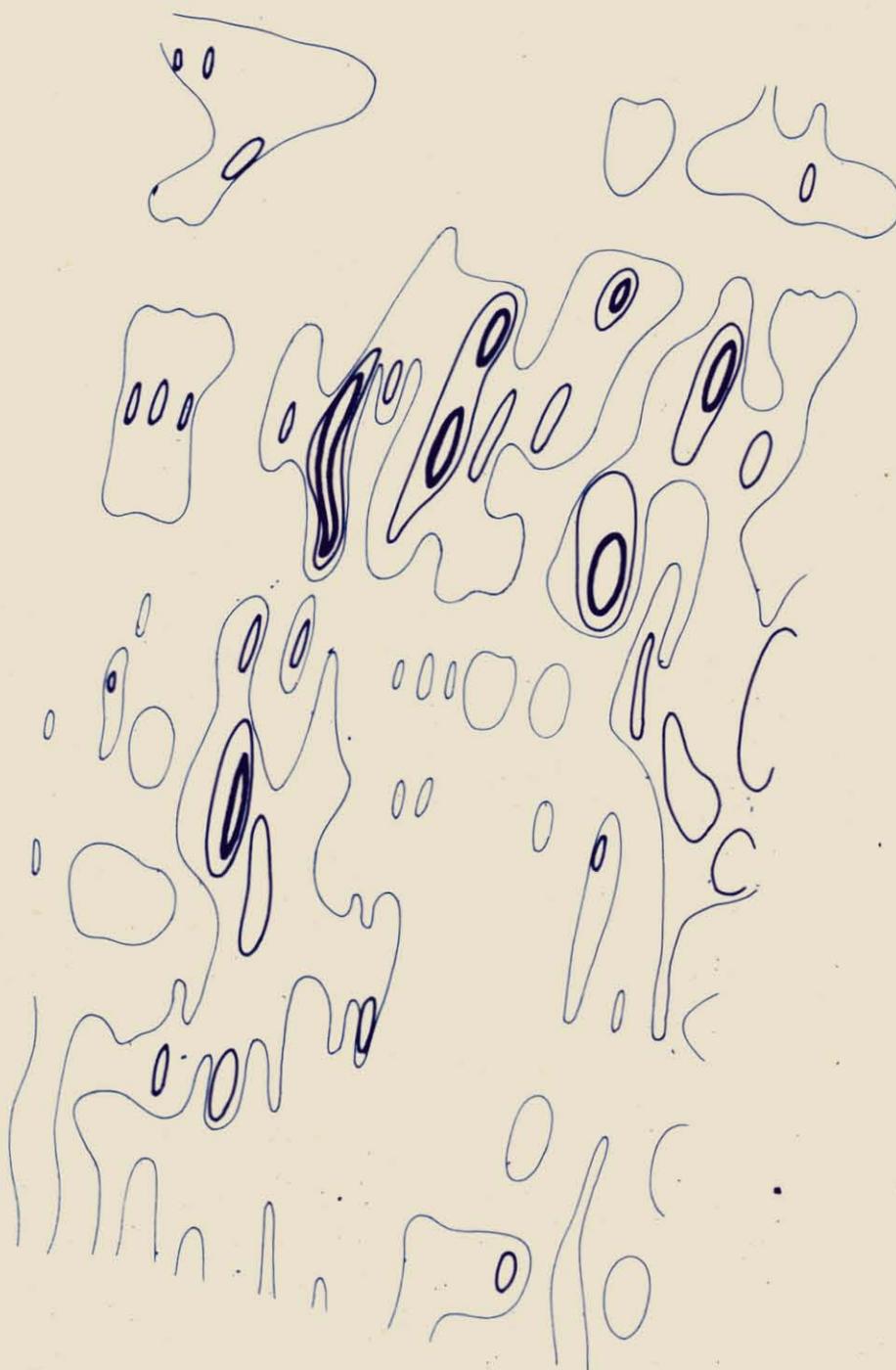
5 cm

COMSTAFF PROPRIETARY LIMITED

PINNACLES METRIC GRID
GEOCHEMICAL CONTOURS & DDH SITES

DRAWN 3-75	COMPILED R.N.S.	SCALE 1:10,000	TAS-2-832
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496030
019B



— 18+ ppm
— 52+ ppm
— 200+ ppm

5 cm

COMSTAFF PROPRIETARY LIMITED

PINNACLES METRIC GRID

GEOCHEMICAL CONTOURS - ppm Pb

DRAWN

9-75 *[Signature]*

COMPILED

D.B.O.

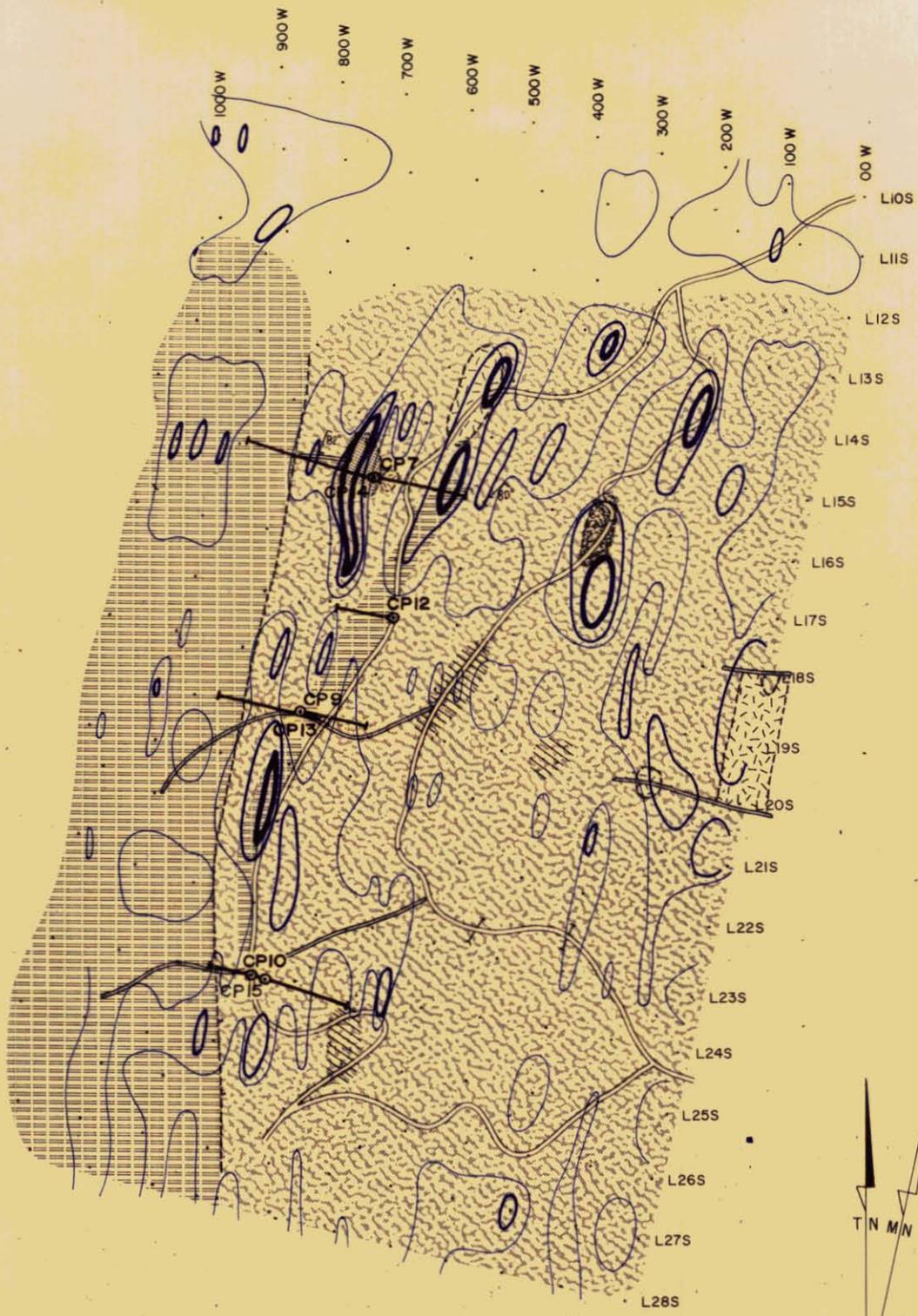
SCALE

1:10,000

TAS-2-835

496030
019B

496028



LEGEND

-  Acid pyroclastics - agglomerate, lapilli tuffs
-  Dacite - green and porphyritic
-  Quartz feldspar porphyry
-  Greywacke and shales
-  Trachytic tuff
-  Vertical / inclined shear foliation



Scale of metres

GOMSTAFF PROPRIETARY LIMITED

PINNACLES METRIC GRID

GEOCHEMICAL CONTOURS & DIASPITES

DRAWN BY [Signature] COMPILED BY D.O. R.N.S. SCALE 1:10,000 TAS 2-835

5 cm

5 cm

496031

0.9C



— 24+ ppm
— 50+ ppm
— 215+ ppm

5 cm

COMSTAFF PROPRIETARY LIMITED

PINNACLES METRIC GRID

GEOCHEMICAL CONTOURS - ppm Zn

DRAWN 9-75 *[Signature]* COMPILED D.B.O. SCALE 1:10,000 TAS-2-836

496031
029C

496028



LEGEND

- Acid pyroclastics - agglomerate, lapilli tuffs
- Dacite - green and porphyritic
- Quartz feldspar porphyry
- Greywackes and shales
- Trachytic tuff-lava
- Vertical / inclined shear foliation



Scale of metres



5 cm

5 cm

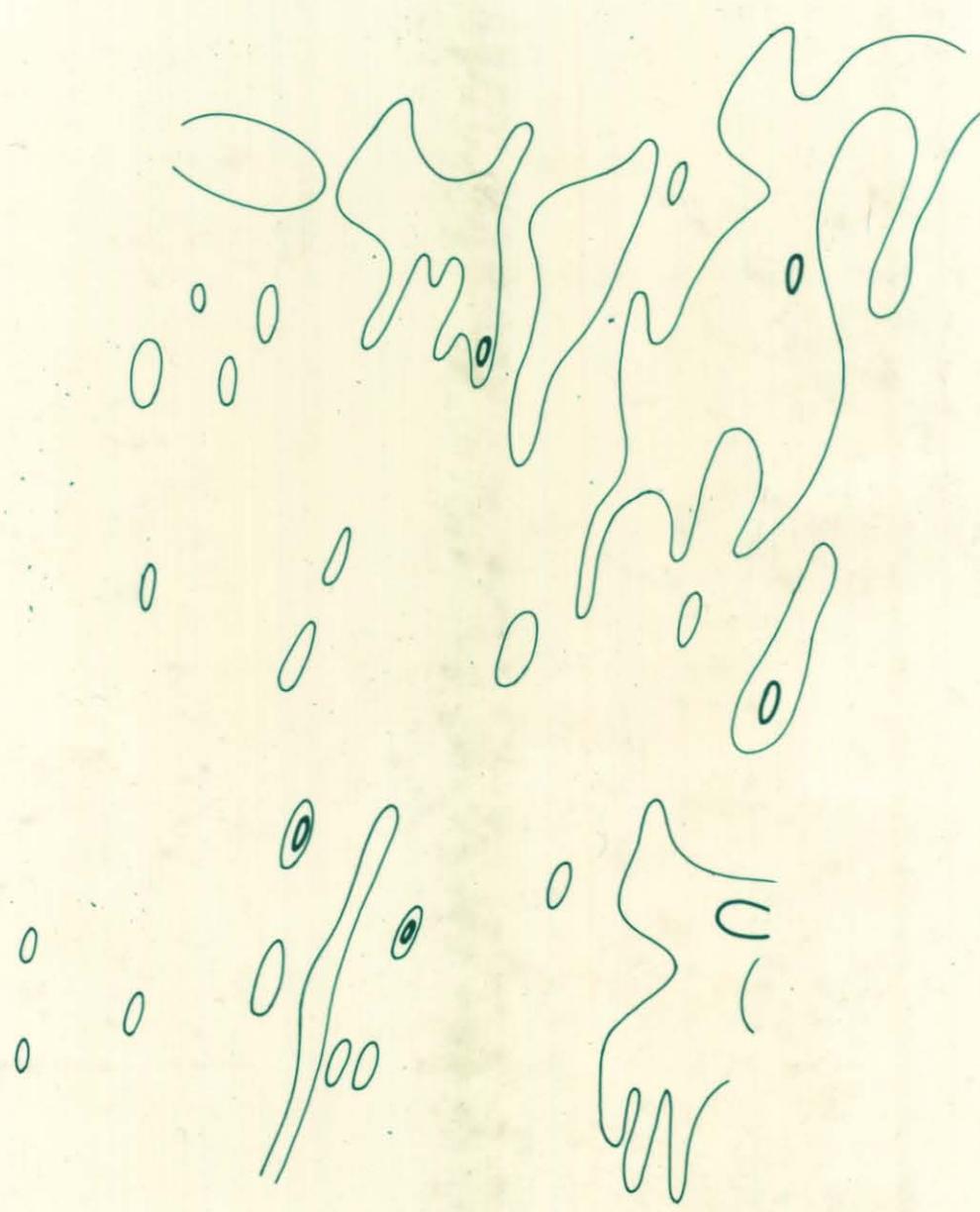
COMSTAFF PROPRIETARY LIMITED

COMSTAFF PROPRIETARY LIMITED

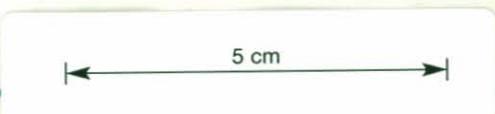
PINNACLES METRIC GRID
PINNACLES METRIC GRID
GEOCHEMICAL CONTOURS - ppm Zn
GEOLOGY INTERPRETATION & DDH SITES

DRAWN <i>[Signature]</i>	COMPILED D.B.O.	SCALE 1:10,000	TAS-2-836
DRAWN <i>[Signature]</i>	COMPILED R.N.S.	SCALE 1:10,000	TAS-2-832

496032
C-9D



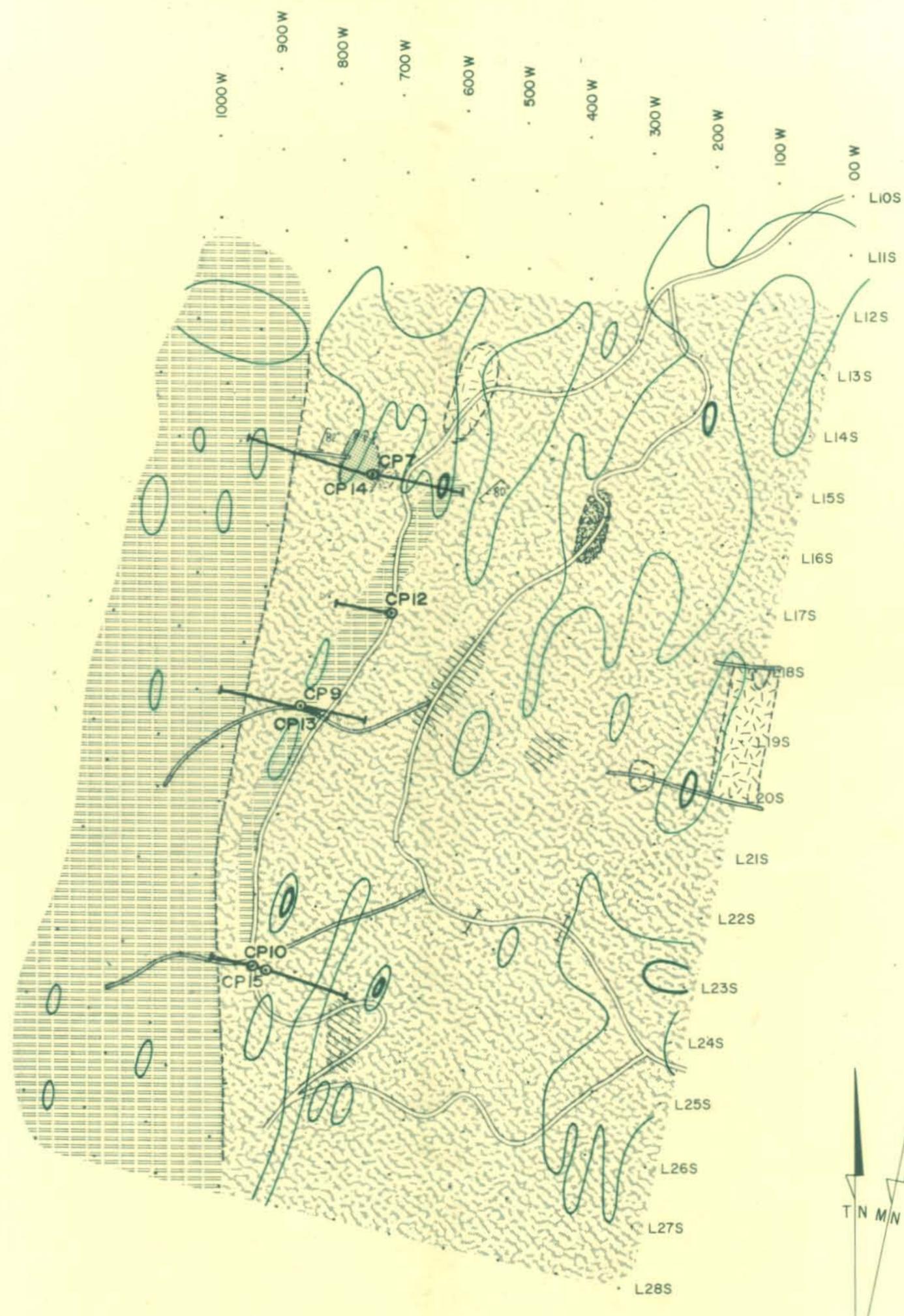
—— 225 + ppm
—— 590 + ppm



COMSTAFF PROPRIETARY LIMITED			
PINNACLES METRIC GRID			
GEOCHEMICAL CONTOURS - ppm Ba			
DRAWN 10-15 <i>J. Kennedy</i>	COMPILED D.B.O.	SCALE 1:10,000	TAS-2-837

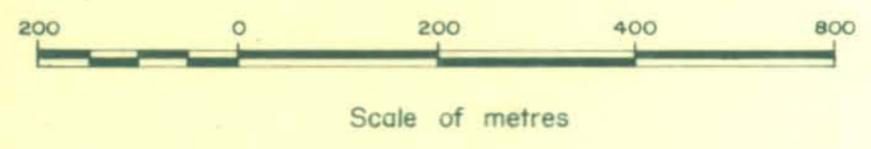
496032
C19D

496032



LEGEND

-  Acid pyroclastics - agglomerate, lapilli tuffs
-  Dacite - green and porphyritic
-  Quartz feldspar porphyry
225 + ppm
-  Greywackes and shales
590 + ppm
-  Trachytic tuff-lava
-  Vertical / inclined shear foliation



COMSTAFF PROPRIETARY LIMITED			
PINNACLES METRIC GRID			
GEOCHEMICAL INTERPRETATIONS & DISAPPOSITE SITES			
DRAWN 2-75	COMPILED D.B.O. R.N.S.	SCALE 1:10,000	TAS 22832

5 cm

5 cm

496033
019E



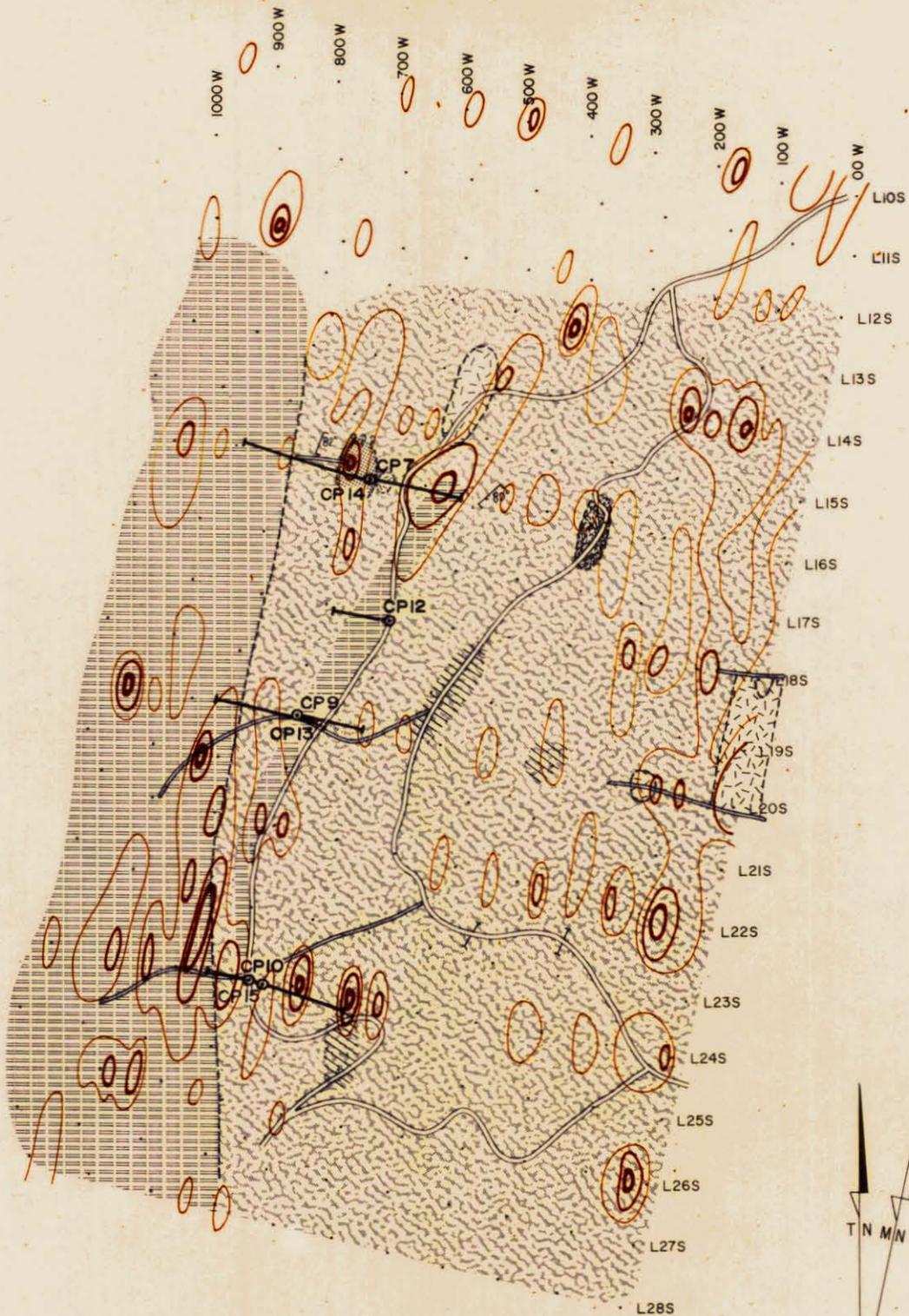
— 95 + ppb
— 185 + ppb
— 295 + ppb

5 cm

COMSTAFF PROPRIETARY LIMITED			
PINNACLES METRIC GRID			
GEOCHEMICAL CONTOURS - ppb Hg			
DRAWN 10-75 <i>Keeney</i>	COMPILED D.B.O.	SCALE 1:10,000	TAS-2-838

496033
019 E

496028



LEGEND

-  Acid pyroclastics – agglomerate, lapilli tuffs
-  Dacite – green and porphyritic
-  Quartz feldspar porphyry
-  Greywackes and shales
-  Trachytic tuff
-  Vertical / inclined shear foliation



Scale of metres

COMSTAFF PROPRIETARY LIMITED

PINNACLES METRIC GRID

GEOCHEMICAL INTERPRETATION & DDP SITES

DRAWN <i>[Signature]</i>	COMPILED <i>[Signature]</i>	SCALE 1:10,000	TAS 2838
DRAWN <i>[Signature]</i>	COMPILED <i>[Signature]</i>	SCALE 1:10,000	TAS 2832

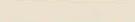
5 cm

5 cm

496034
020A



Factor I Cu, Zn, Pb and Hg

-  -0 - +0
-  +0 - +4
-  +5 - 0.99
-  >1

5 cm

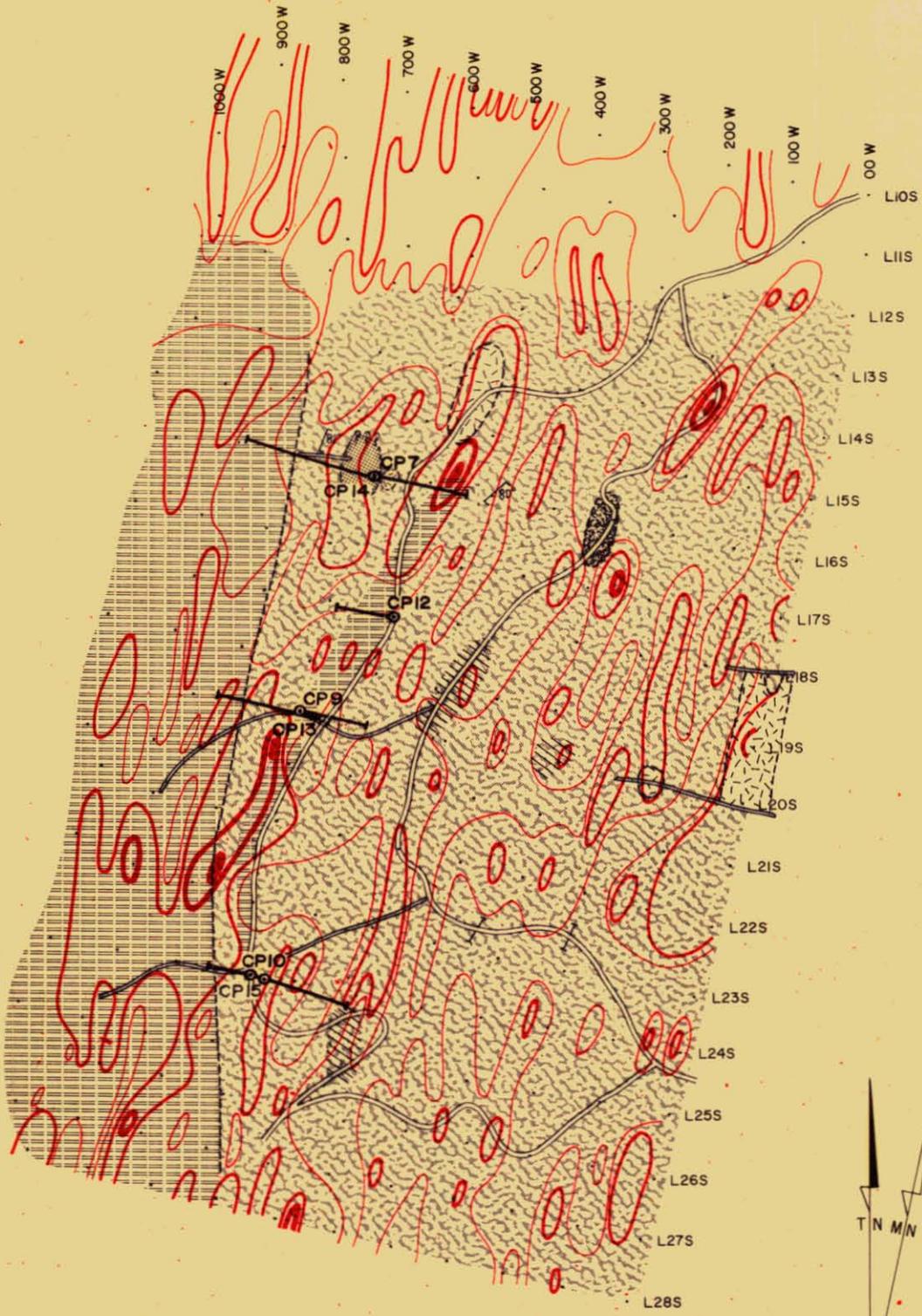
COMSTAFF PROPRIETARY LIMITED

PINNACLES METRIC GRID
FACTOR I SCORES

DRAWN *J. G. G. G.* 9-75 COMPILED D.B.O. SCALE 1:10,000 TAS-2-839

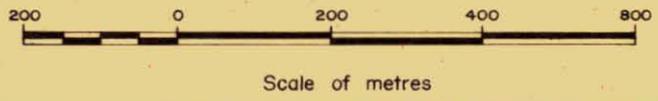
496034
020A

496028



LEGEND

-  Acid pyroclastics - agglomerate, lapilli tuffs
-  Dacite - green and porphyritic
-  Quartz feldspar porphyry
-  Greywackes and shales
-  Trachytic tuff-lava
-  Vertical / inclined shear foliation



~~COMSTAFF PROPRIETARY LIMITED~~
~~COMSTAFF PROPRIETARY LIMITED~~

PINNACLES METRIC GRID
PINNACLES METRIC GRID
GEOLOGY INTERPRETATION & DDH SITES

DRAWN <i>[Signature]</i>	COMPILED D.B.O.	SCALE 1:10,000	TAS-2-839
DRAWN <i>[Signature]</i>	COMPILED R.N.S.	SCALE 1:10,000	TAS-2-832

5 cm

5 cm

496035
020 C



— 1750 OHM Metres
— 2000 " "
— 3000 " "
— 5000 " "

5 cm

COMSTAFF PROPRIETARY LIMITED

PINNACLES METRIC GRID

GEOPHYSICS

APPARENT RESISTIVITY OHM METRES

DRAWN
9-75

J. Kennedy

COMPILED

D.B.O.

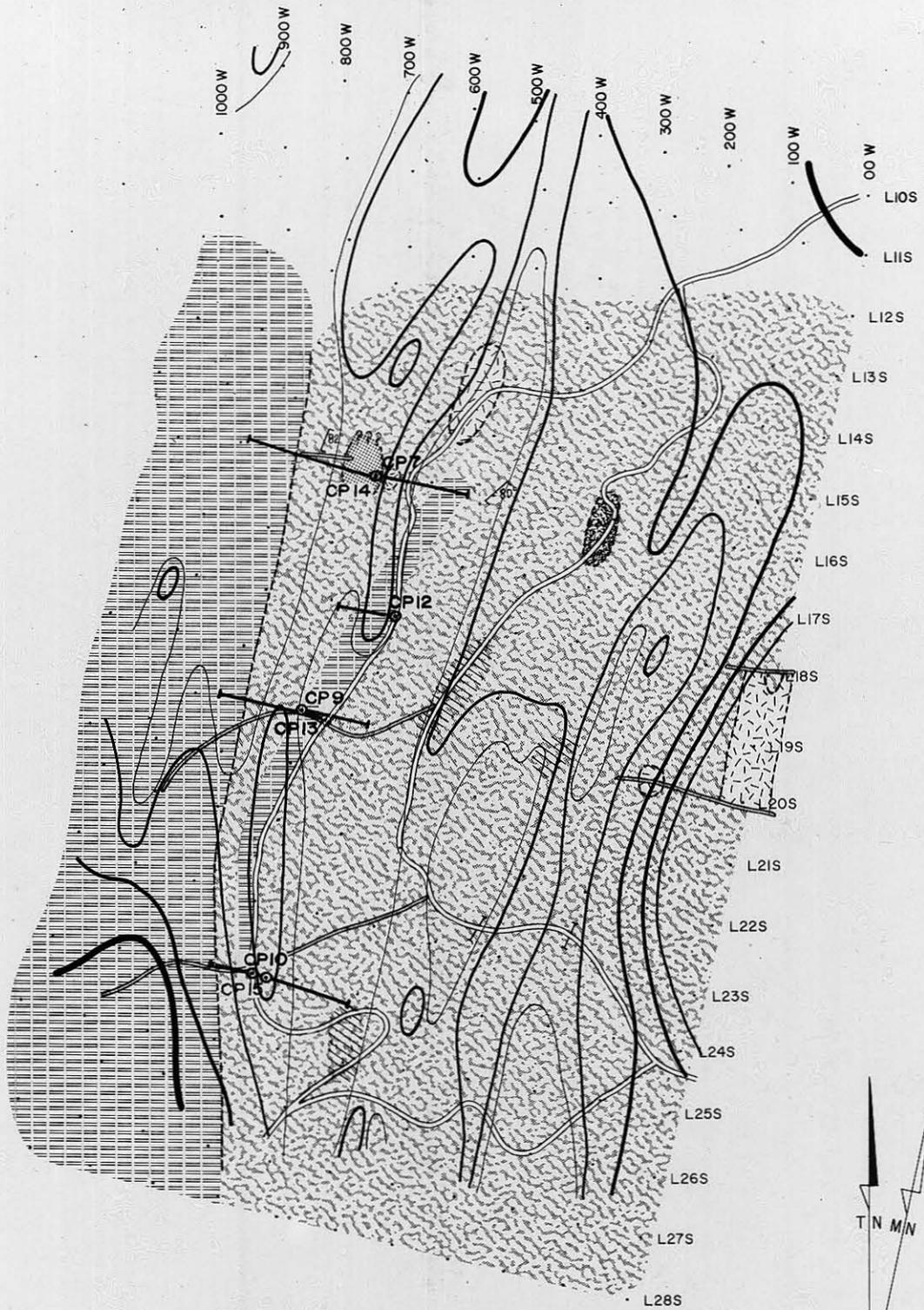
SCALE

1:10,000

TAS-2-841

496035
020 C

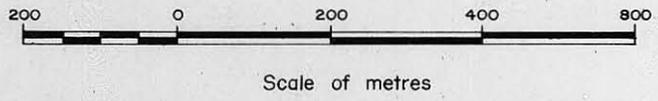
496028



LEGEND

-  Acid pyroclastics - agglomerate, lapilli tuffs
-  Dacite - green and porphyritic
-  Quartz feldspar porphyry
-  Greywacke and shales
-  Trachytic tuff
-  Vertical/inclined shear foliation

1750 OHM Metres
2000 " "
3000 " "
5000 " "



COMSTAFF PROPRIETARY LIMITED

PINNACLES METRIC GRID
PINNACLES METRIC GRID
GEOPHYSICS

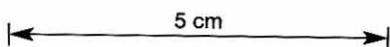
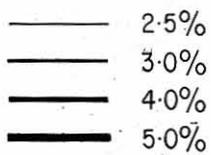
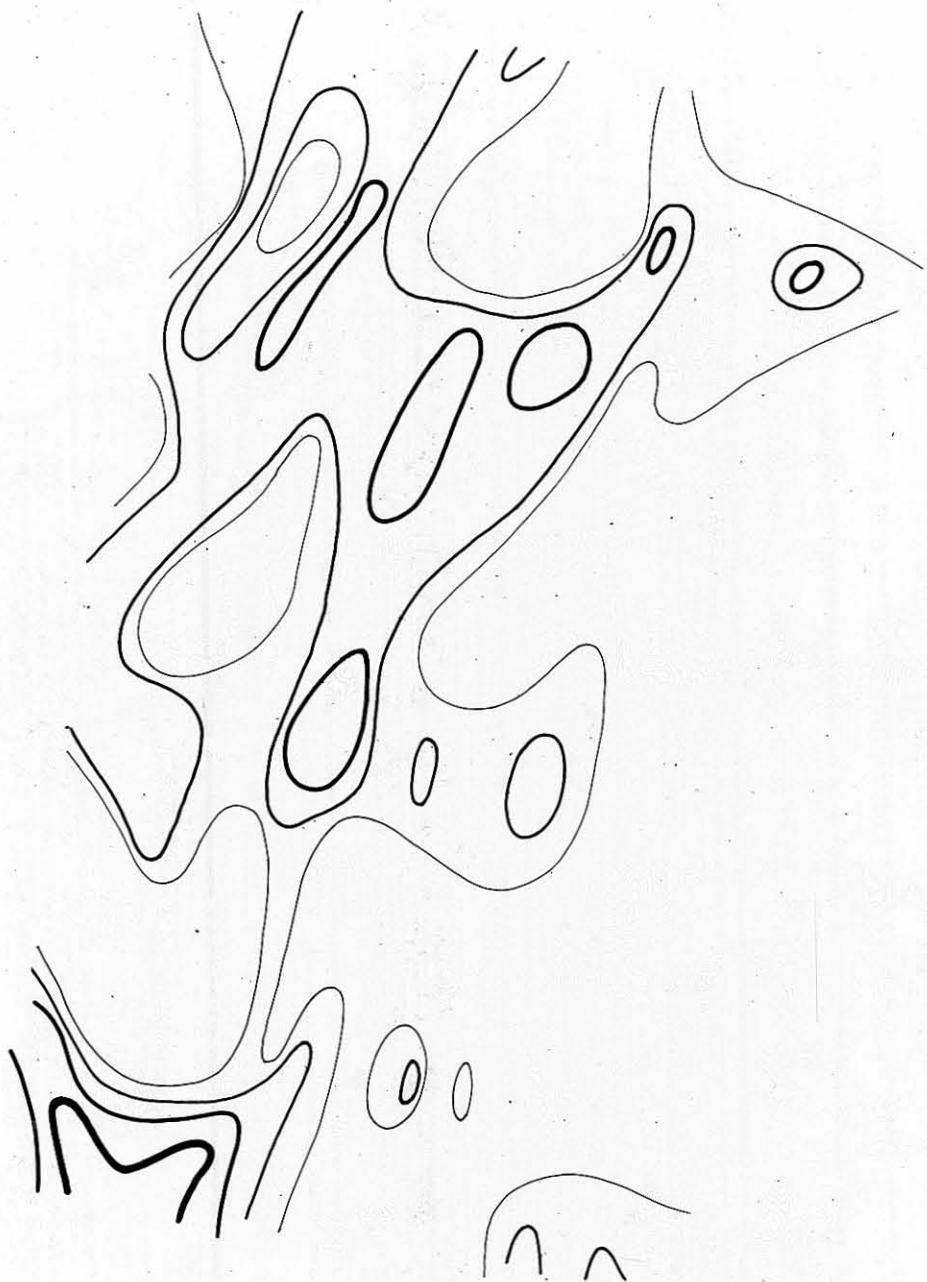
GEOLOGY INTERPRETATION & OHM METRES

DRAWN *[Signature]* COMPLETED *[Signature]* SCALE 1:10,000 TAGS228432

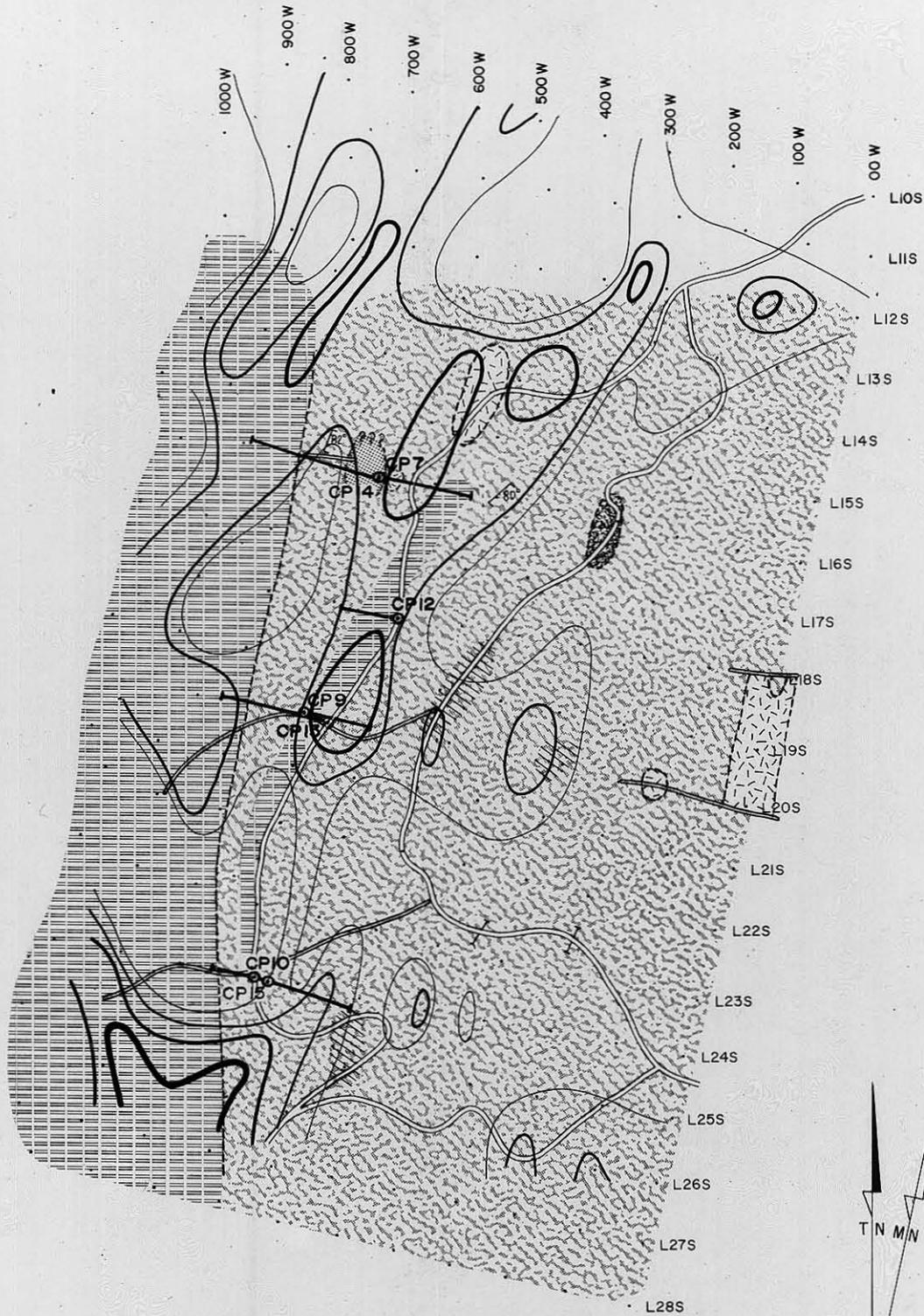
5 cm

5 cm

496036
020 B



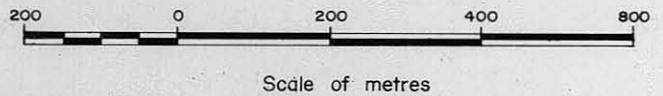
COMSTAFF PROPRIETARY LIMITED			
PINNACLES METRIC GRID			
GEOPHYSICS			
PERCENTAGE FREQUENCY			
DRAWN 9-75 <i>Kennedy</i>	COMPILED D.B.O.	SCALE 1:10,000	TAS-2-840



LEGEND

-  Acid pyroclastics - agglomerate, lapilli tuffs
-  Dacite - green and porphyritic
-  Quartz feldspar porphyry
-  Greywackes and shales
-  Trachytic tuff-tava
-  Vertical / inclined shear foliation

2.5%
3.0%
4.0%
5.0%



COMSTAFF PROPRIETARY LIMITED

PINNACLES METRIC GRID
PINNACLES METRIC GRID
GEOPHYSICS

GEOLOGY INTERPRETATION FREQUENCY SITES

DRAWN BY [Signature] COMPILED BY B.R.C. SCALE 1:10,000 TAS 2-840
9-75 [Signature] P.N.S. 10,000 TAS 2-832

5 cm

5 cm

600E

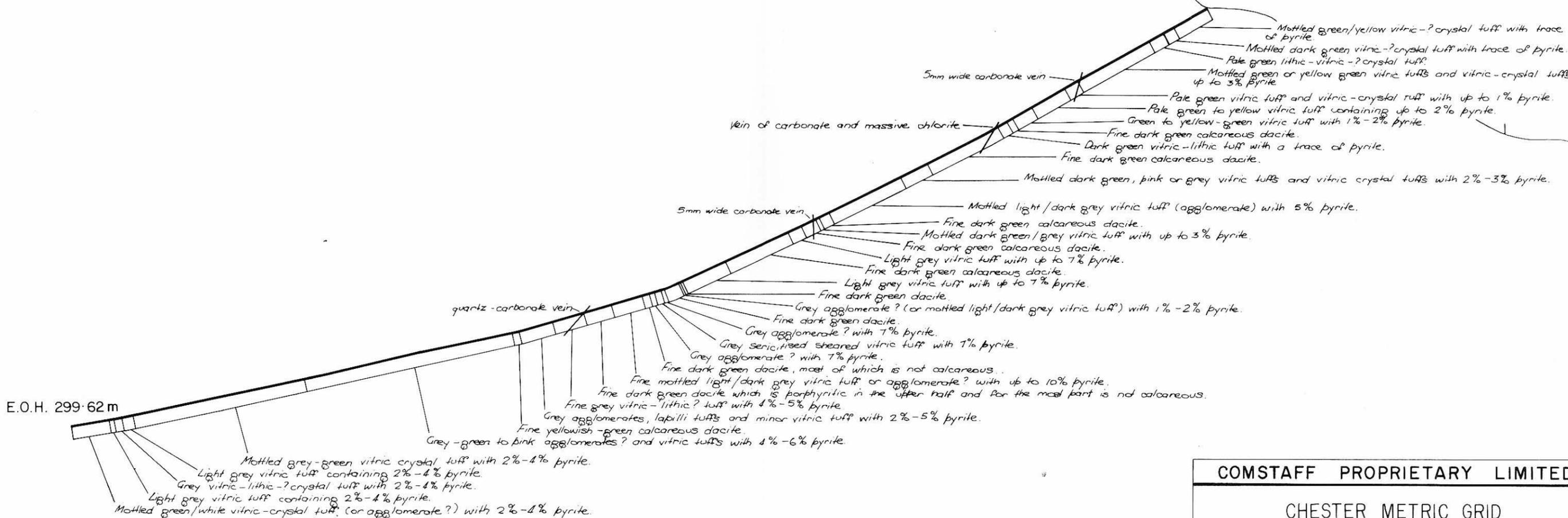
700E

800E

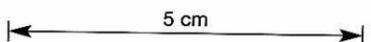
SW
258° (Magnetic)

NE
78° (Magnetic)

DDH CP6
Co-ordinates IO-ON, 8.33E
Declination - 30°
258° Magnetic



Scale of metres



COMSTAFF PROPRIETARY LIMITED			
CHESTER METRIC GRID			
LINE ION			
D.D.H. CP6 - SECTION			
DRAWN 2-75	J.M.	COMPILED R.N.S.	SCALE 1:1000
			TAS-2-679

027

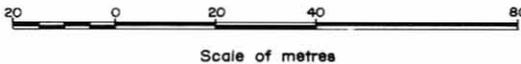
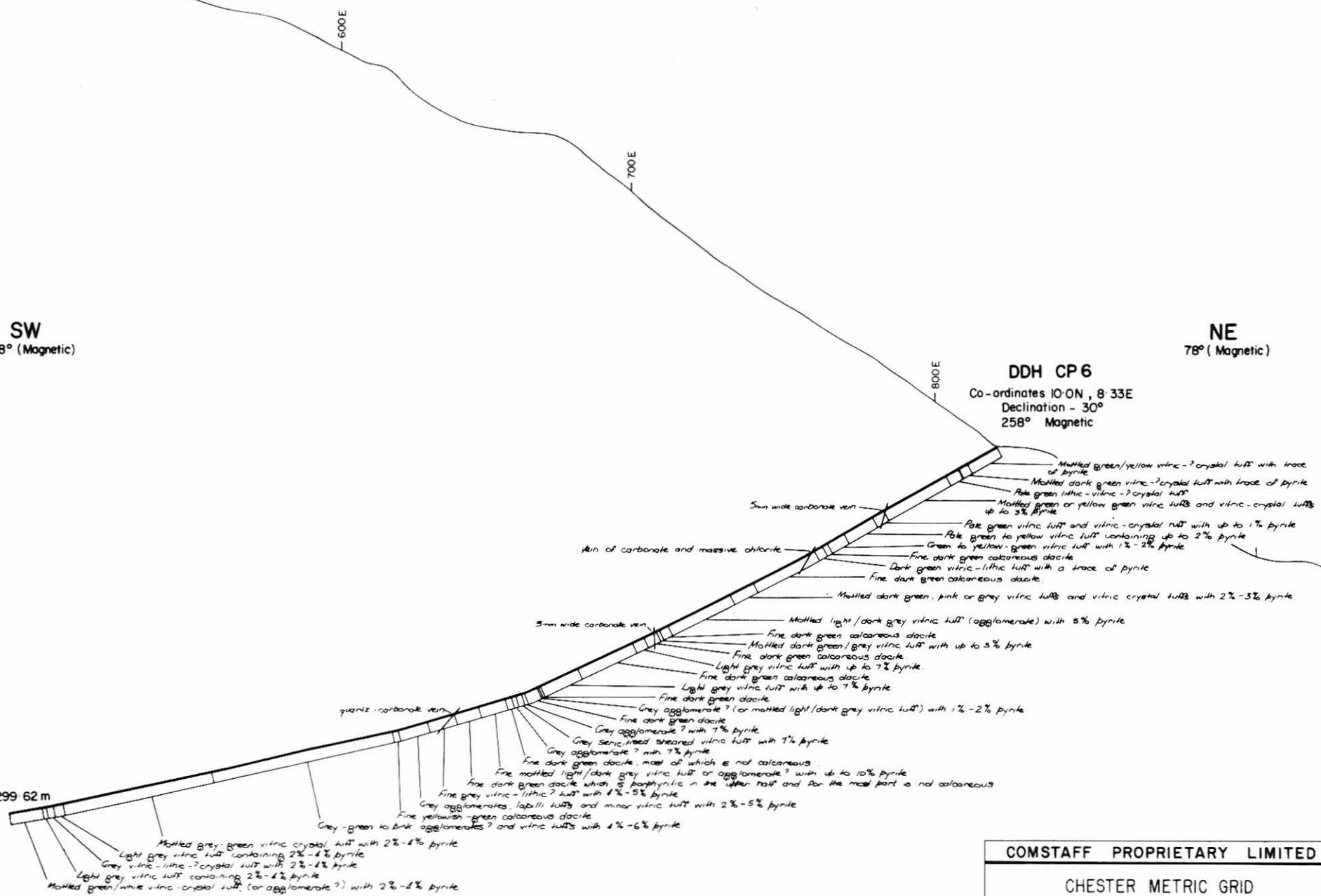
SW
258° (Magnetic)

NE
78° (Magnetic)

DDH CP 6
Co-ordinates IO-ON, 8 33E
Declination - 30°
258° Magnetic

5 cm

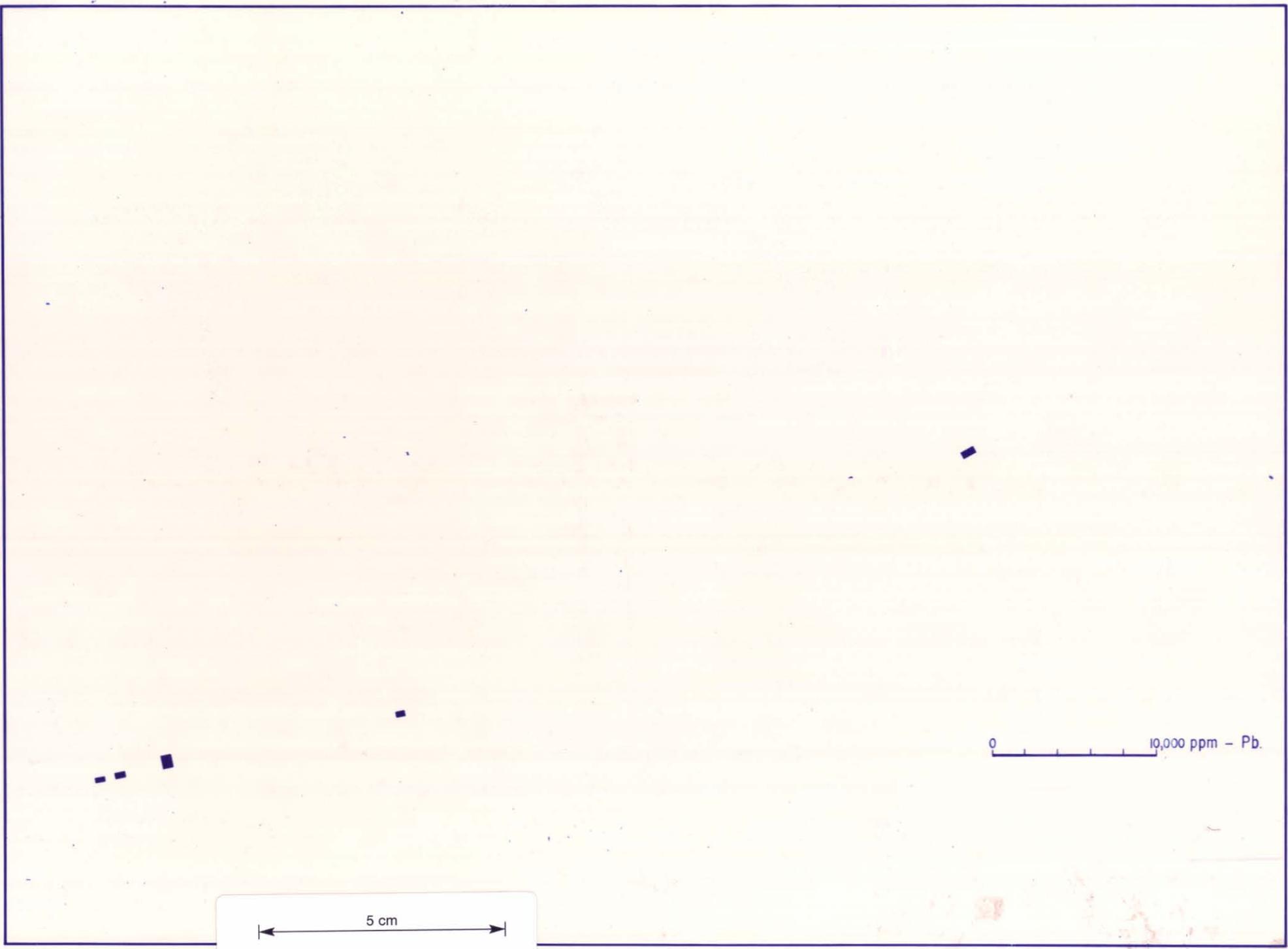
E.O.H. 299 62 m



COMSTAFF PROPRIETARY LIMITED			
CHESTER METRIC GRID			
LINE ION			
D.D.H. CP 6 - SECTION			
DRAWN 1-75 J.M.	COMPILED R.N.S.	SCALE 1:1500	TAS-2-679

496038

027A
496039



5 cm

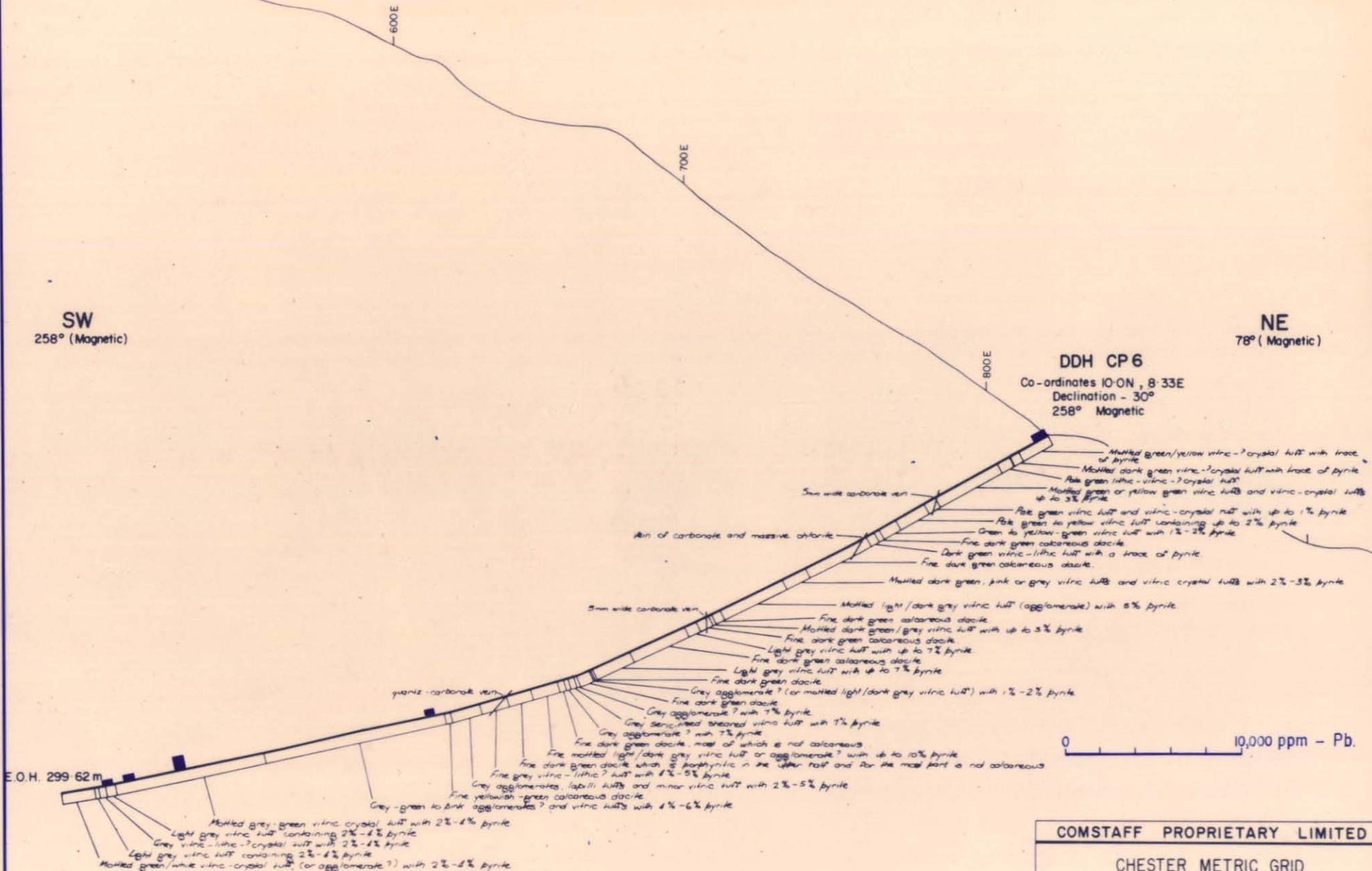
0 10,000 ppm - Pb.

027A
496039
027

SW
258° (Magnetic)

NE
78° (Magnetic)

DDH CP6
Co-ordinates IO-ON, 8-33E
Declination - 30°
258° Magnetic



COMSTAFF PROPRIETARY LIMITED

CHESTER METRIC GRID

LINE ION

D.D.H. CP6 - SECTION

DRAWN	IM	COMPILED	RNS	SCALE	1:500	TAS-2-679
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496038

327 B

496040



0 10,000 ppm - Zn

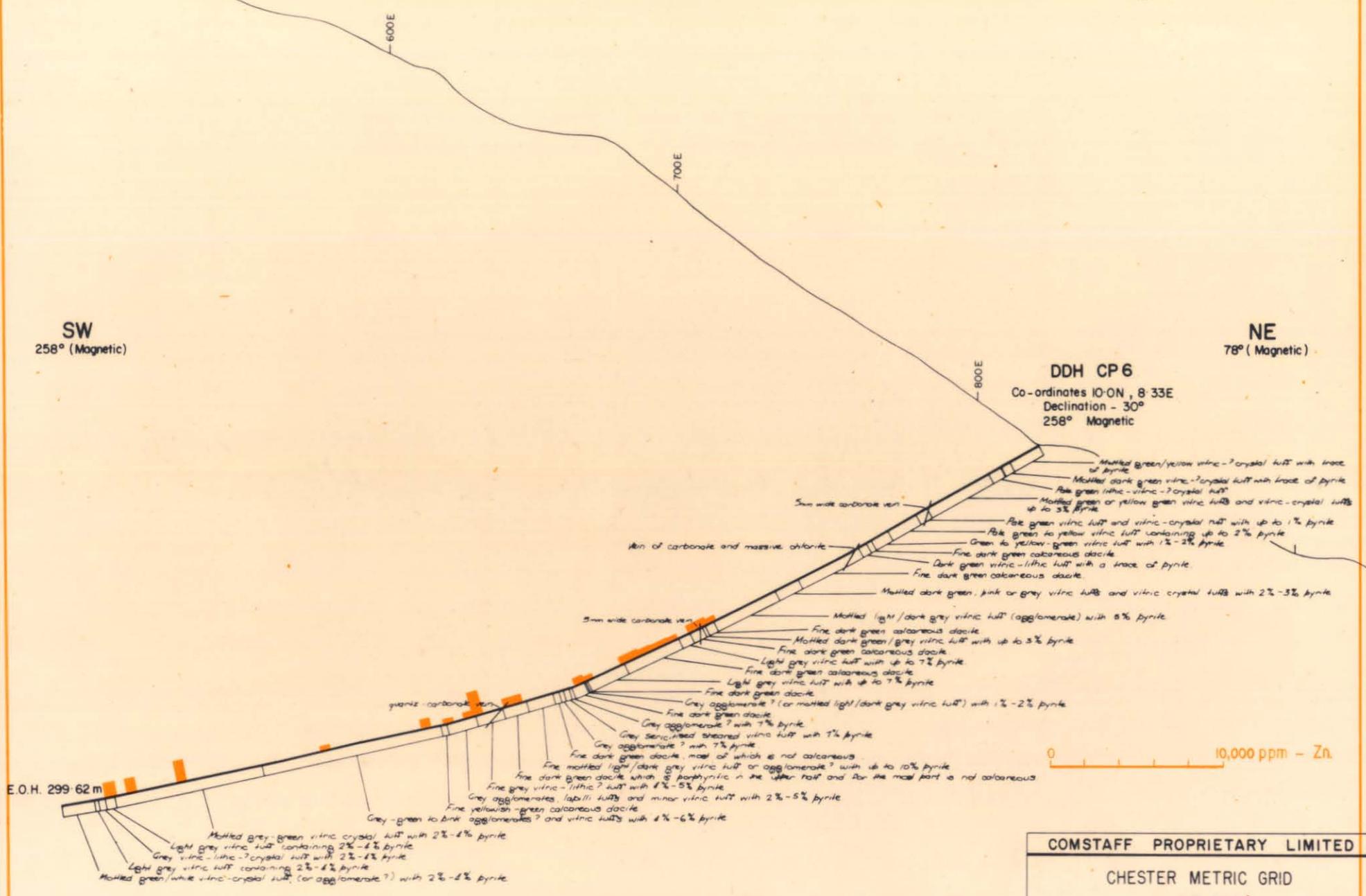
5 cm

027 B
496040

SW
258° (Magnetic)

NE
78° (Magnetic)

DDH CP 6
Co-ordinates 10-ON, 8-33E
Declination - 30°
258° Magnetic



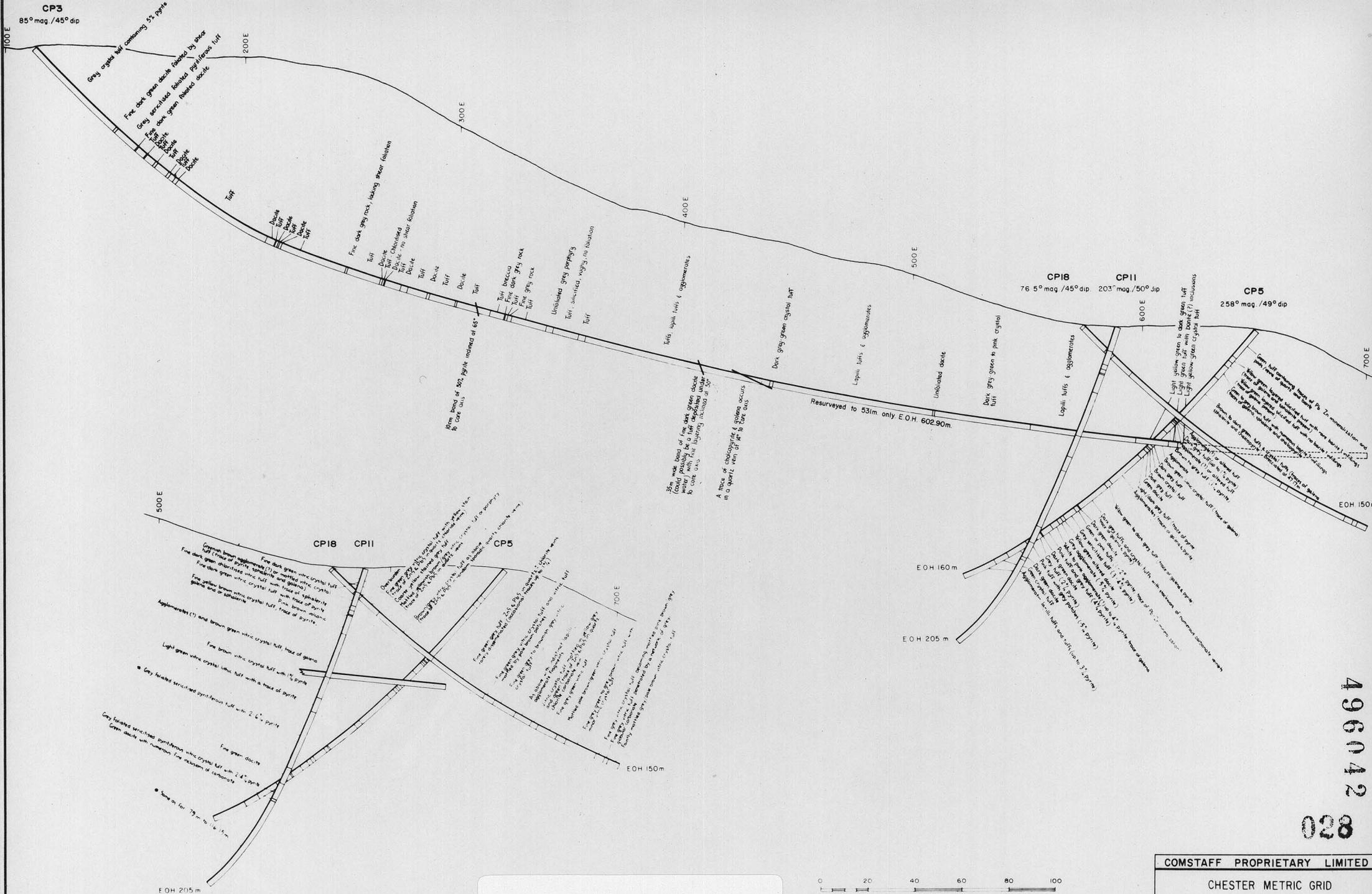
5 cm

20 0 20 40 80
5 cm

0 10,000 ppm - Zn

COMSTAFF PROPRIETARY LIMITED				
CHESTER METRIC GRID				
LINE ION				
D.D.H. CP 6 - SECTION				
DRAWN 1-3	J.M.	COMPILED R.N.S.	SCALE 1:1500	TAS-2-679

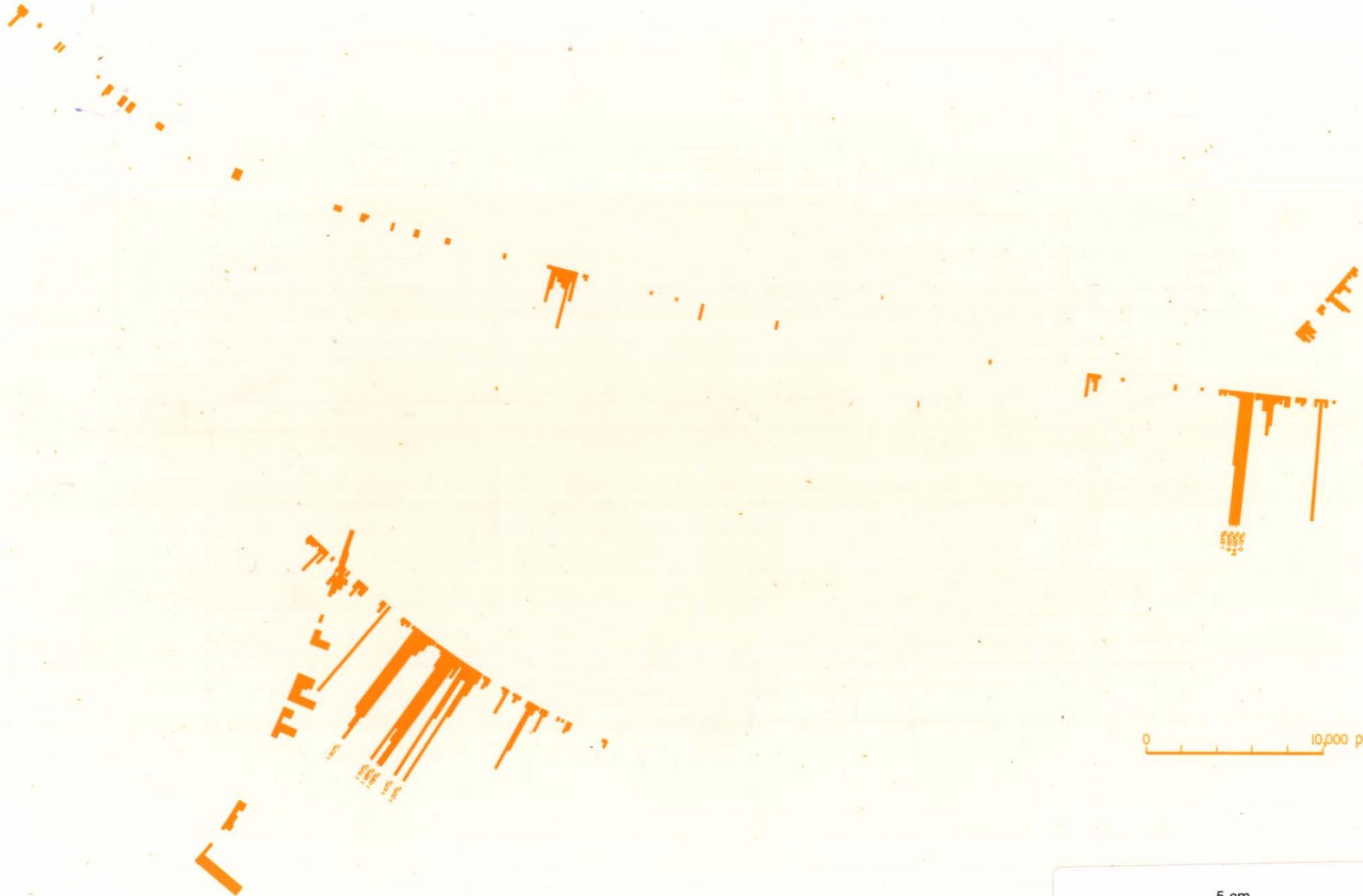
496038



496042

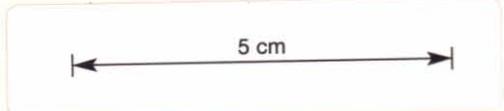
028

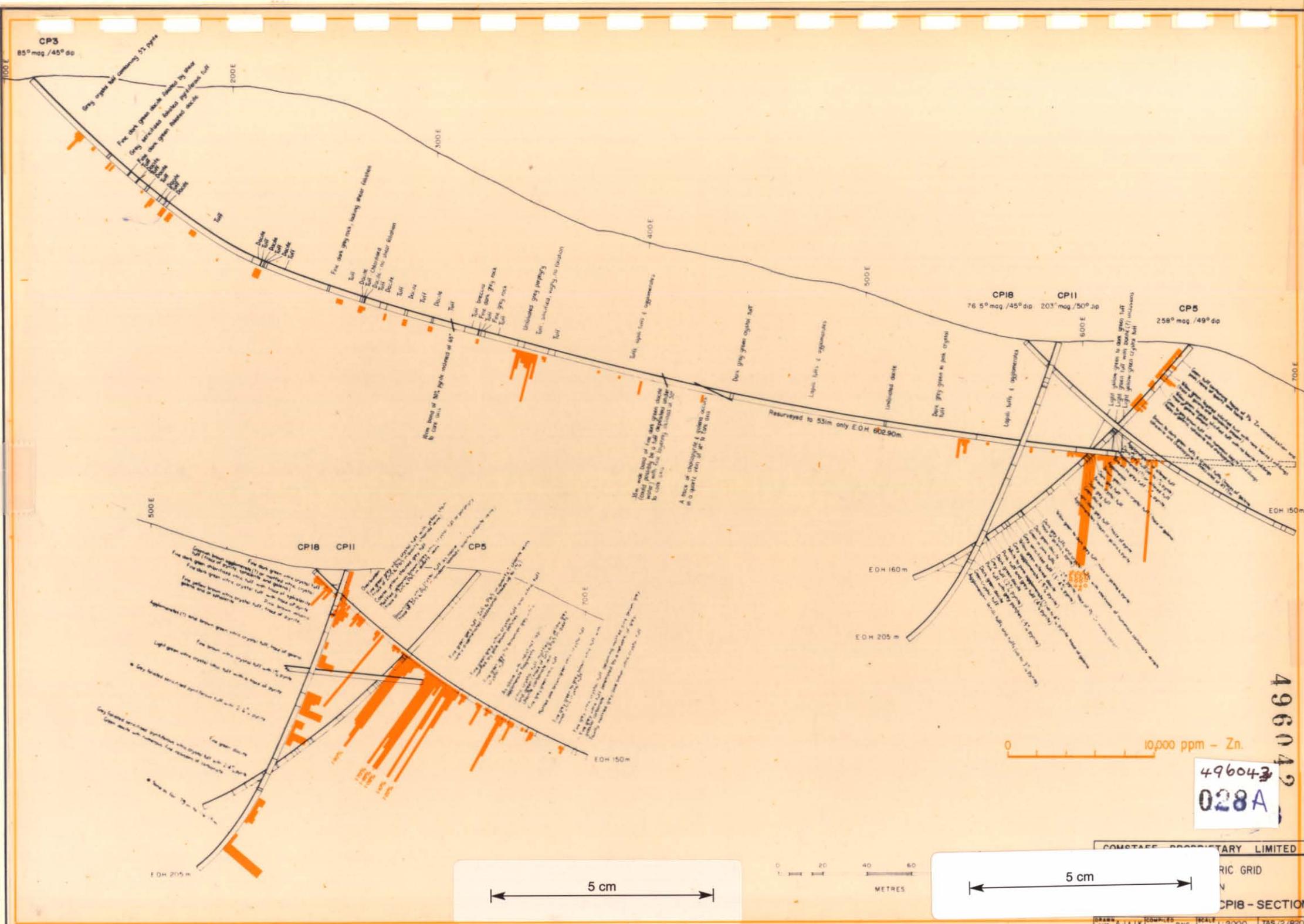
COMSTAFF PROPRIETARY LIMITED			
CHESTER METRIC GRID			
LINE 6N			
D.D.H\$ CP3,CP5,CPII,CPI8 - SECTION			
DRAWN 1/79	A.J.K.	COMPILED RNS	SCALE 1:2000
		TAS/2/820	



0 10,000 ppm - Zn.

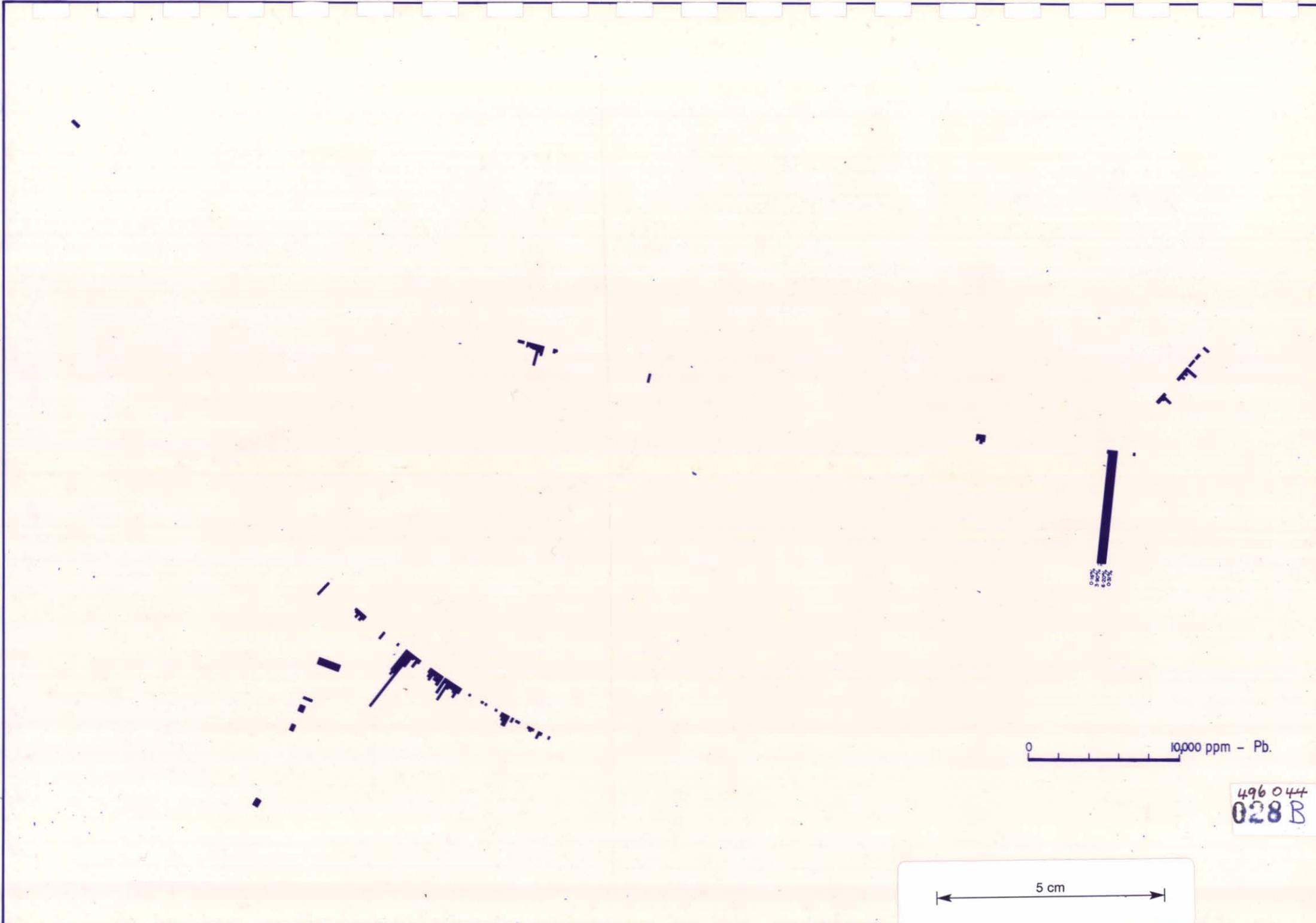
496043
028A





5 cm

5 cm

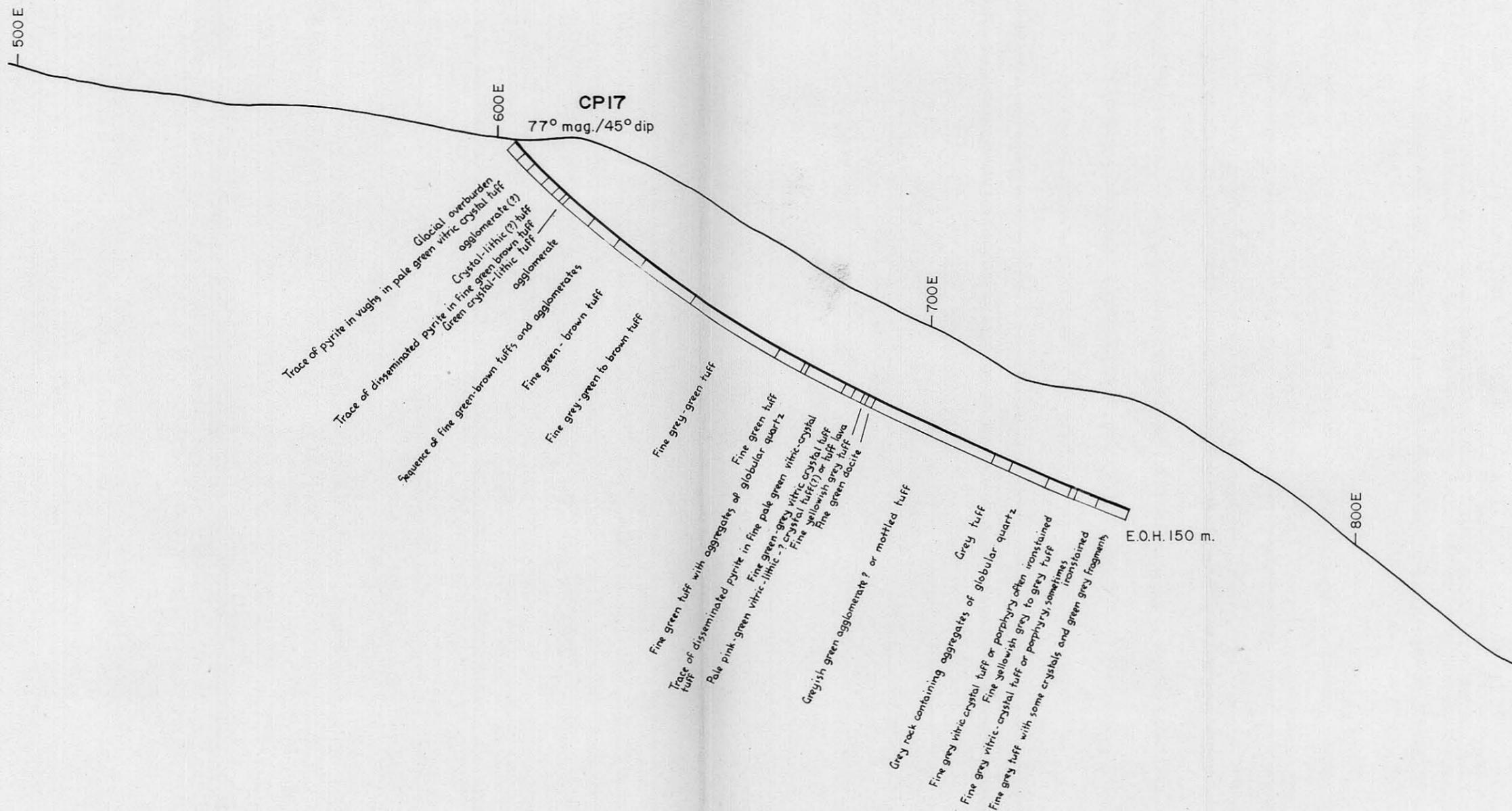


0
1000
2000
4000

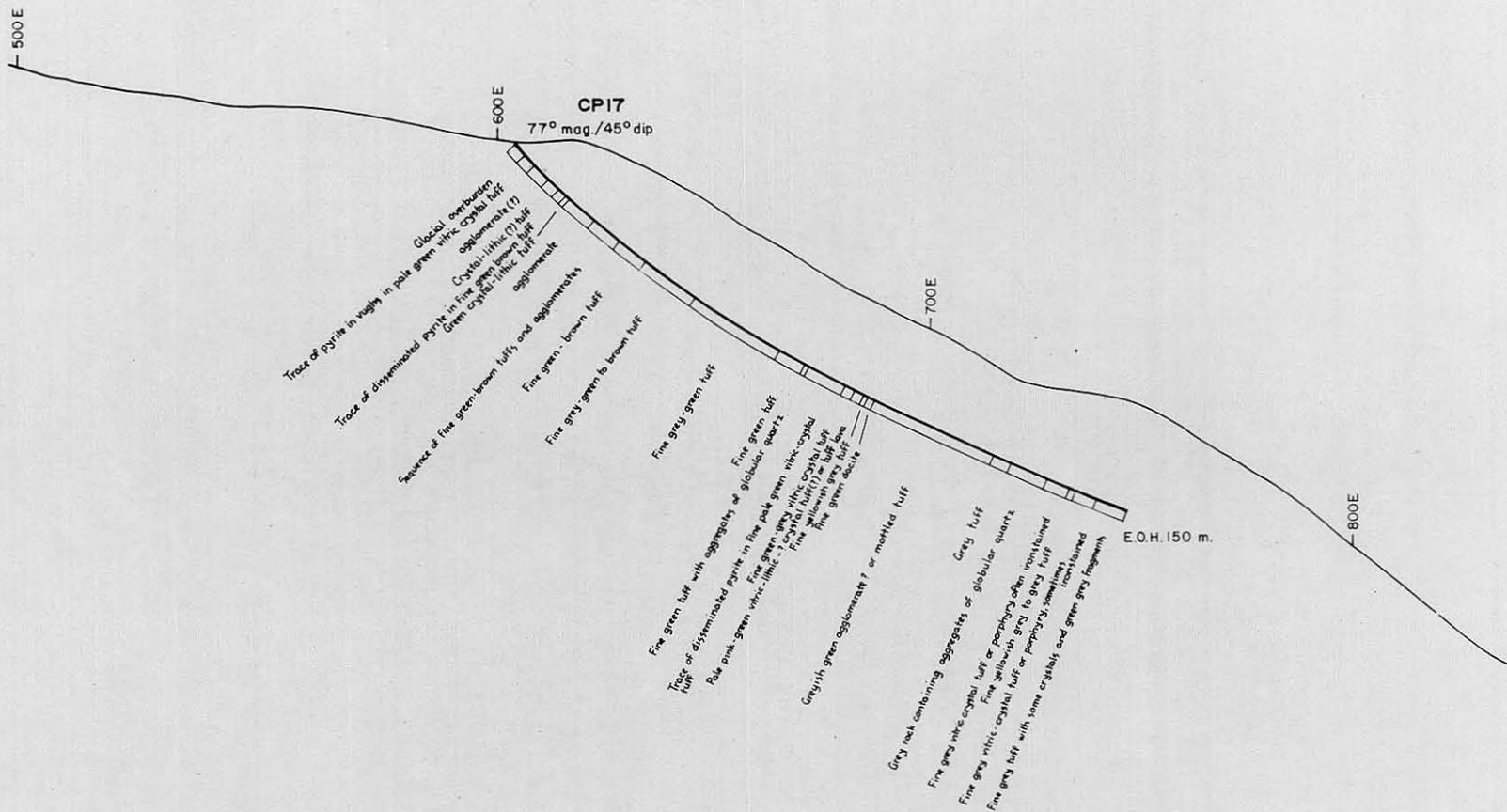
0 10,000 ppm - Pb.

496044
028B

5 cm



COMSTAFF PROPRIETARY LIMITED			
CHESTER METRIC GRID			
LINE 5N			
D.D.H. CPI7 - SECTION			
DRAWN 6/75	A.J.	COMPILED RNS	SCALE 1 : 1000
			TAS/2/821

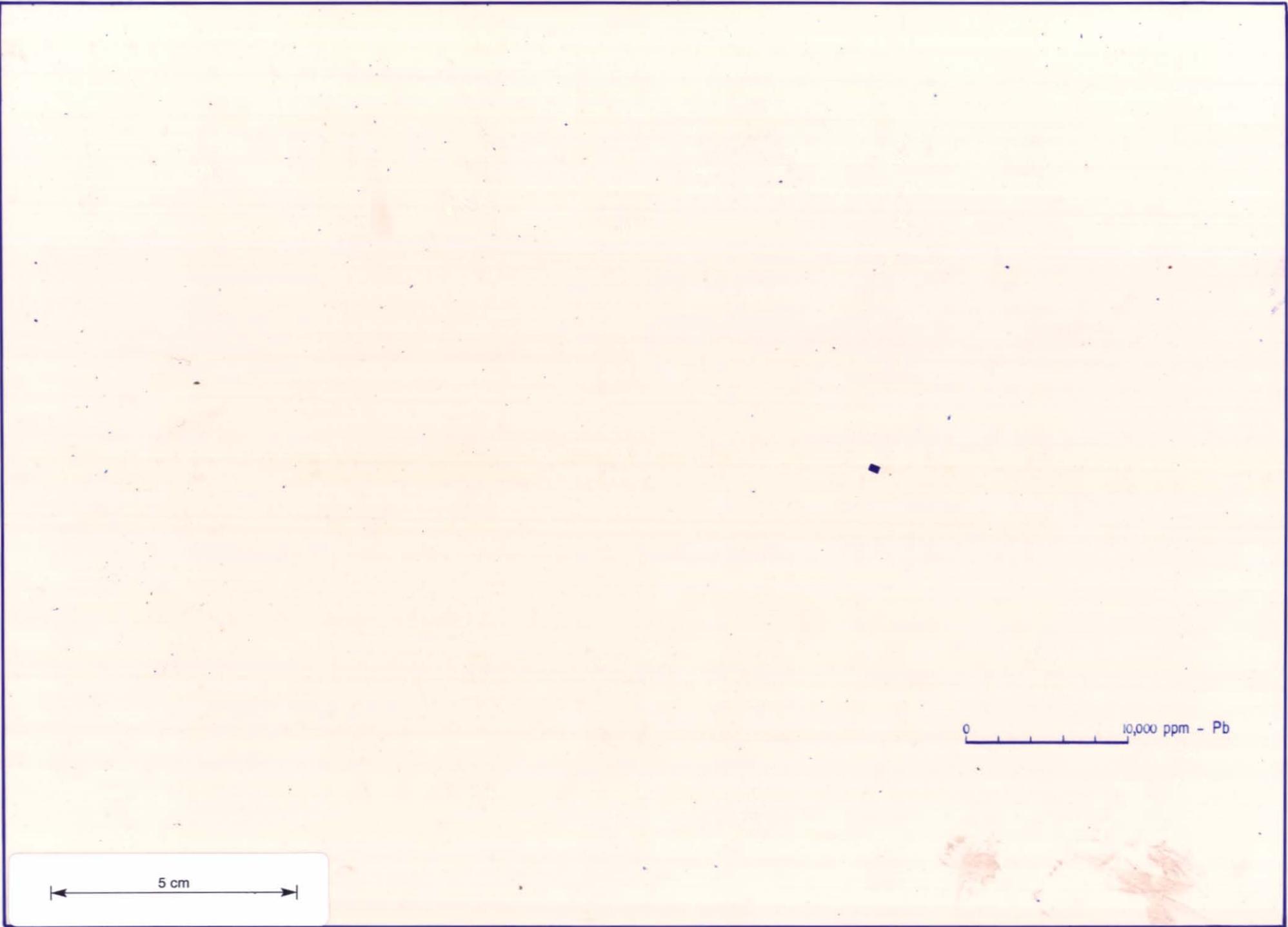


5 cm

0 20 40 60 80 100
METRES

COMSTAFF PROPRIETARY LIMITED			
CHESTER METRIC GRID			
LINE 5N			
D.D.H. CP17 - SECTION			
DRAWN 6/75	A.J.	COMPILED RNS	SCALE 1:1500
		TAS/2/821	

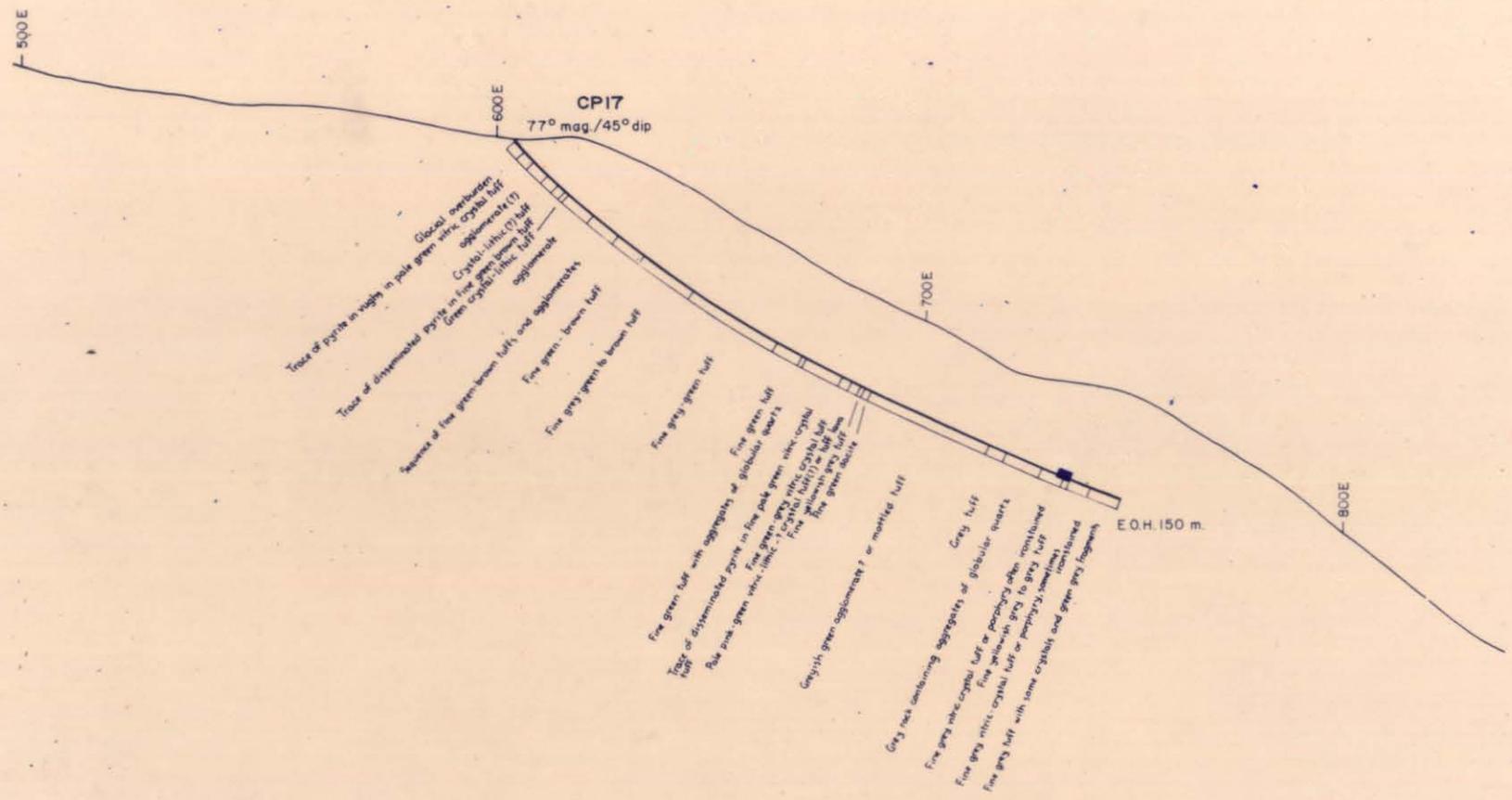
496047
029 B



0 10,000 ppm - Pb

5 cm

496047
029 B



0 10,000 ppm - Pb



COMSTAFF PROPRIETARY LIMITED			
CHESTER METRIC GRID			
LINE 5N			
D.D.H. CP17 - SECTION			
DRAWN 6/75 A.J.	COMPILED RNS	SCALE 1:500	TAS/2/B21

CP17 D - TAS 2 821

496046

496048
029 A

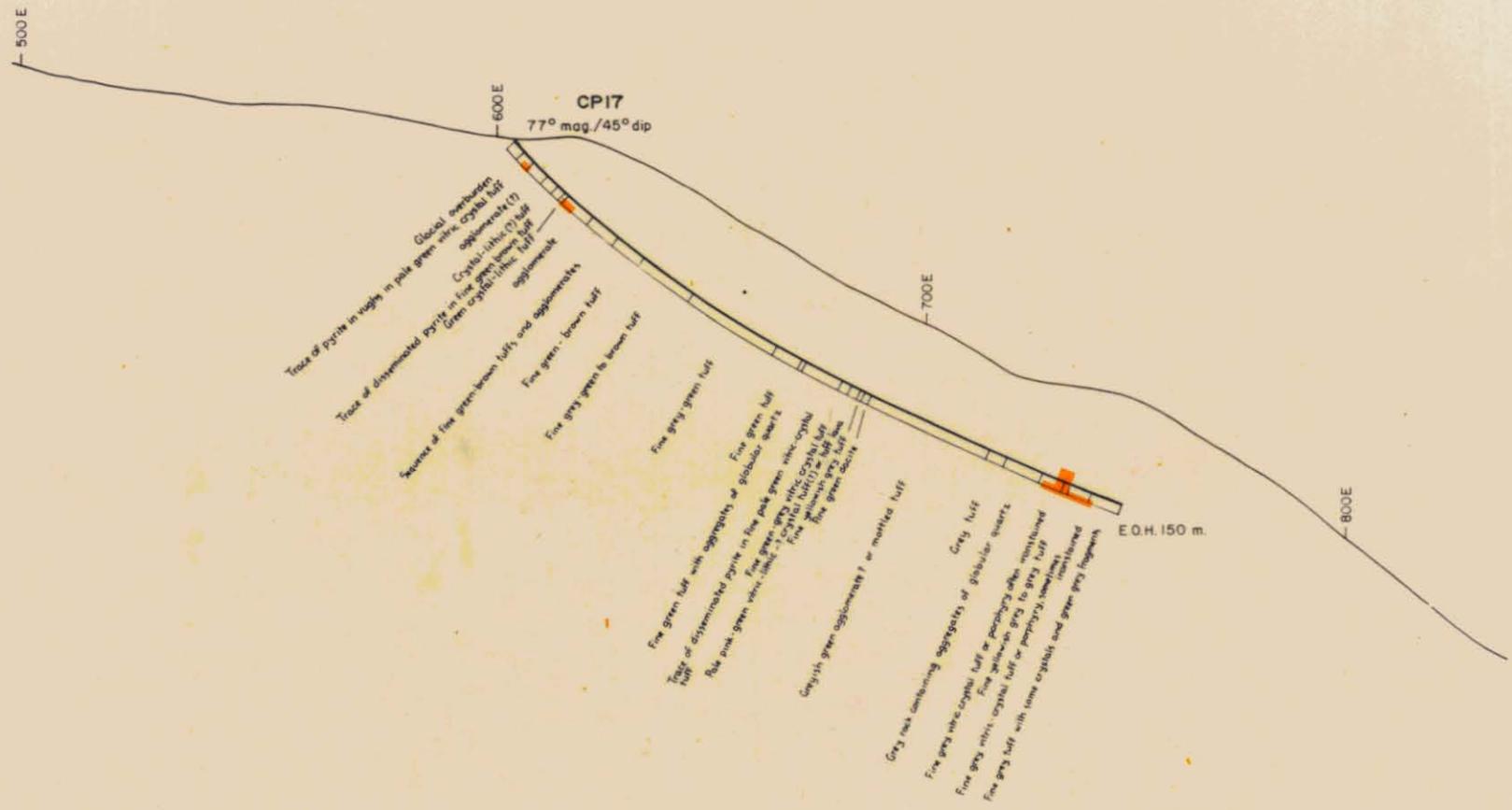


0 10,000 ppm - Zn.

5 cm

c217 - Zn TAS-2-821

496048
029A



5 cm



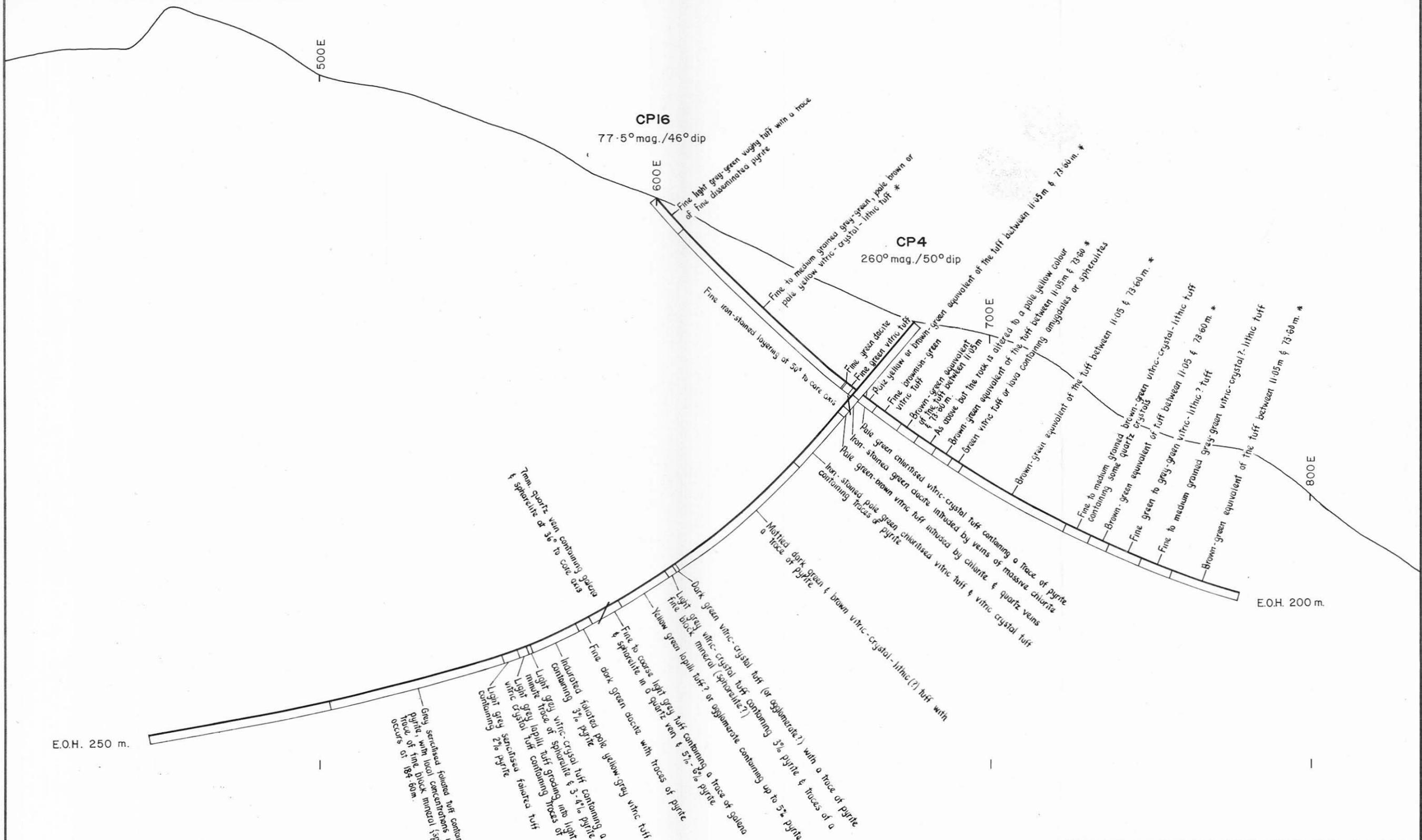
COMSTAFF PROPRIETARY LIMITED
CHESTER METRIC GRID

5 cm

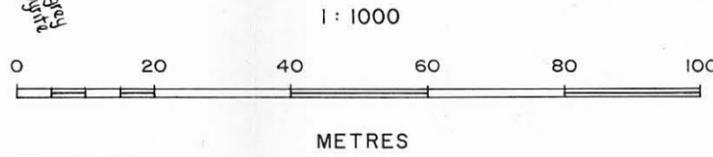
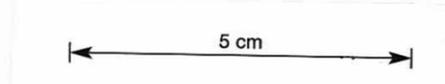
2/82

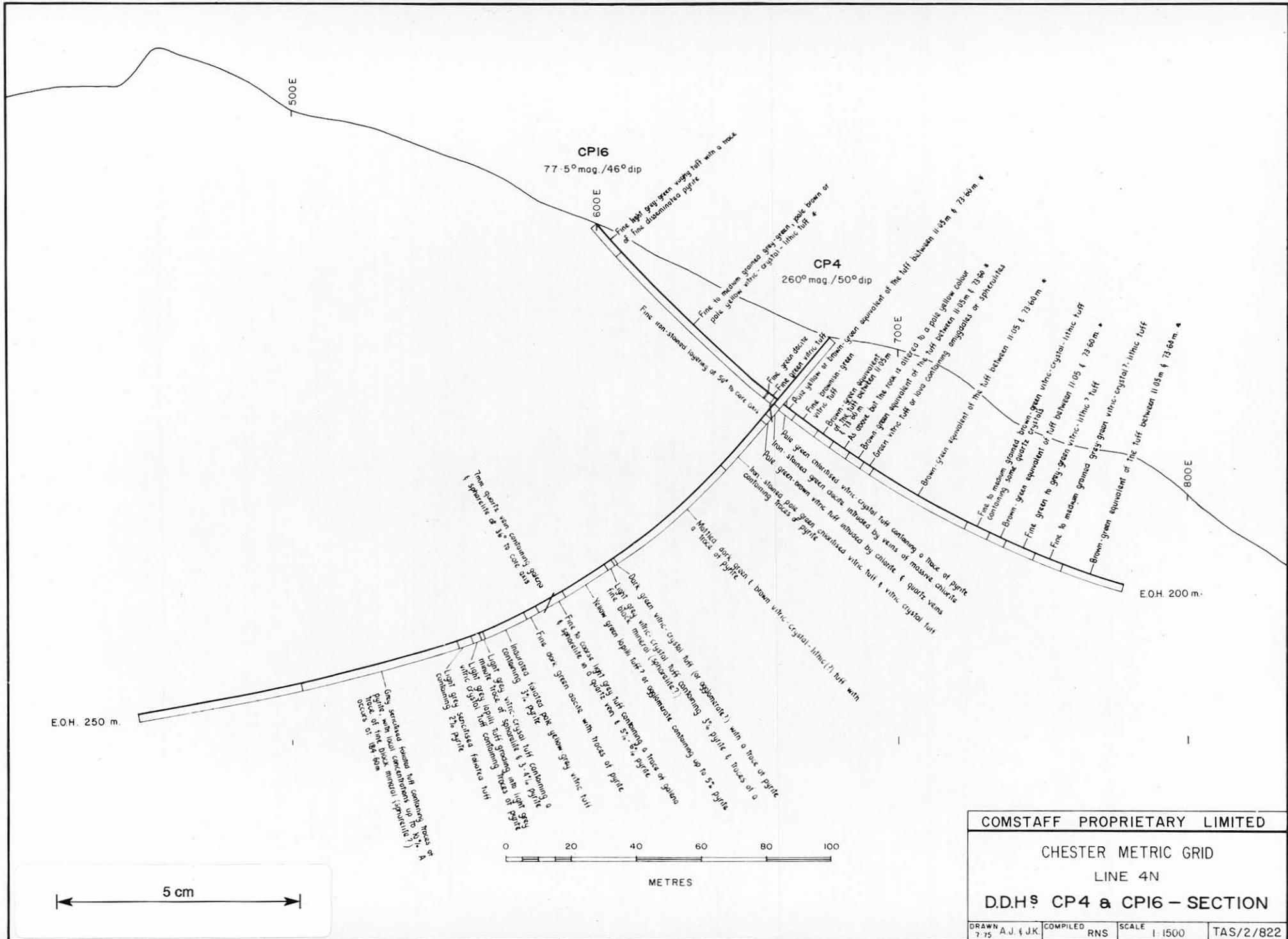
496046

CP17 - Zn TAS - 2 - B21



COMSTAFF PROPRIETARY LIMITED			
CHESTER METRIC GRID			
LINE 4N			
D.D.H. CP4 & CPI6 - SECTION			
DRAWN 7-75 A.J. & J.K.	COMPILED RNS	SCALE 1:1000	TAS/2/822





COMSTAFF PROPRIETARY LIMITED			
CHESTER METRIC GRID			
LINE 4N			
D.D.H. CP4 & CPI6 - SECTION			
DRAWN 7.75 A.J. & J.K.	COMPILED RNS	SCALE 1:1500	TAS/2/822

496050
030 A

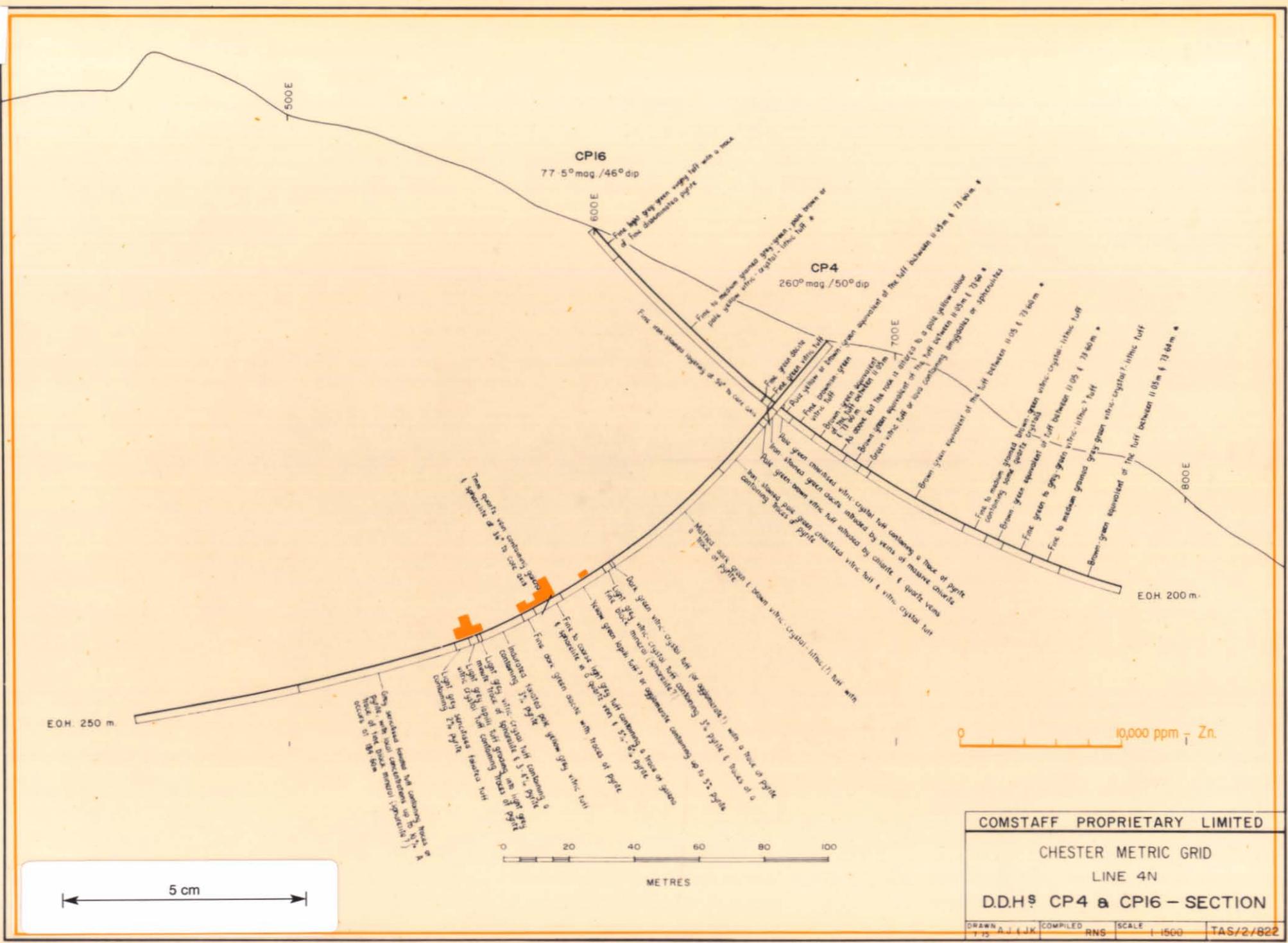


5 cm

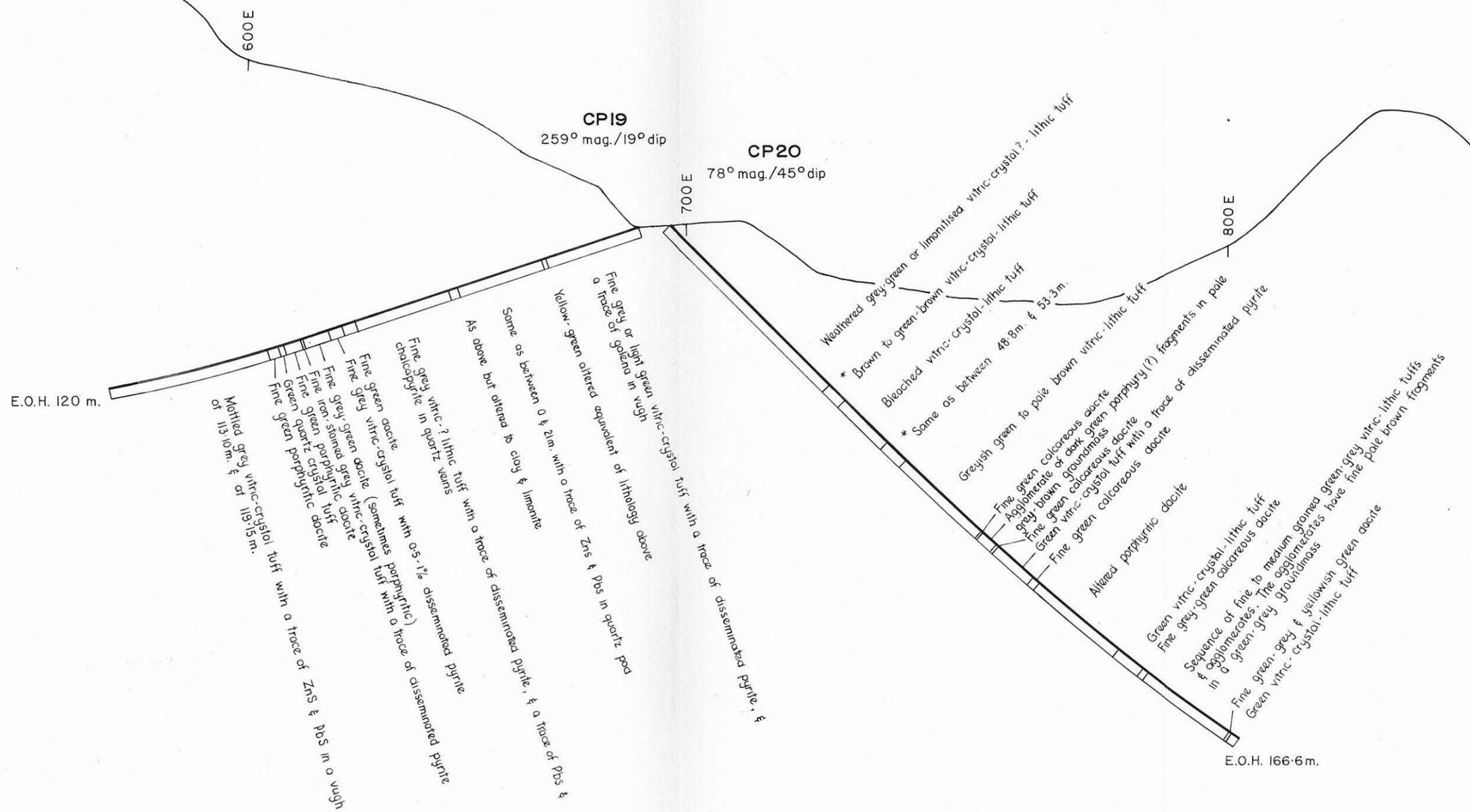
0 10,000 ppm - Zn

(The values for Zn are in ppm)

496050
030 A

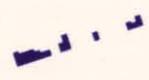


496050



COMSTAFF PROPRIETARY LIMITED			
CHESTER METRIC GRID			
LINE 2N			
D.D.H ^s CPI9 & CP20-SECTION			
DRAWN 8-75 A.J. & J.K.	COMPILED RNS	SCALE 1:1000	TAS/2/826

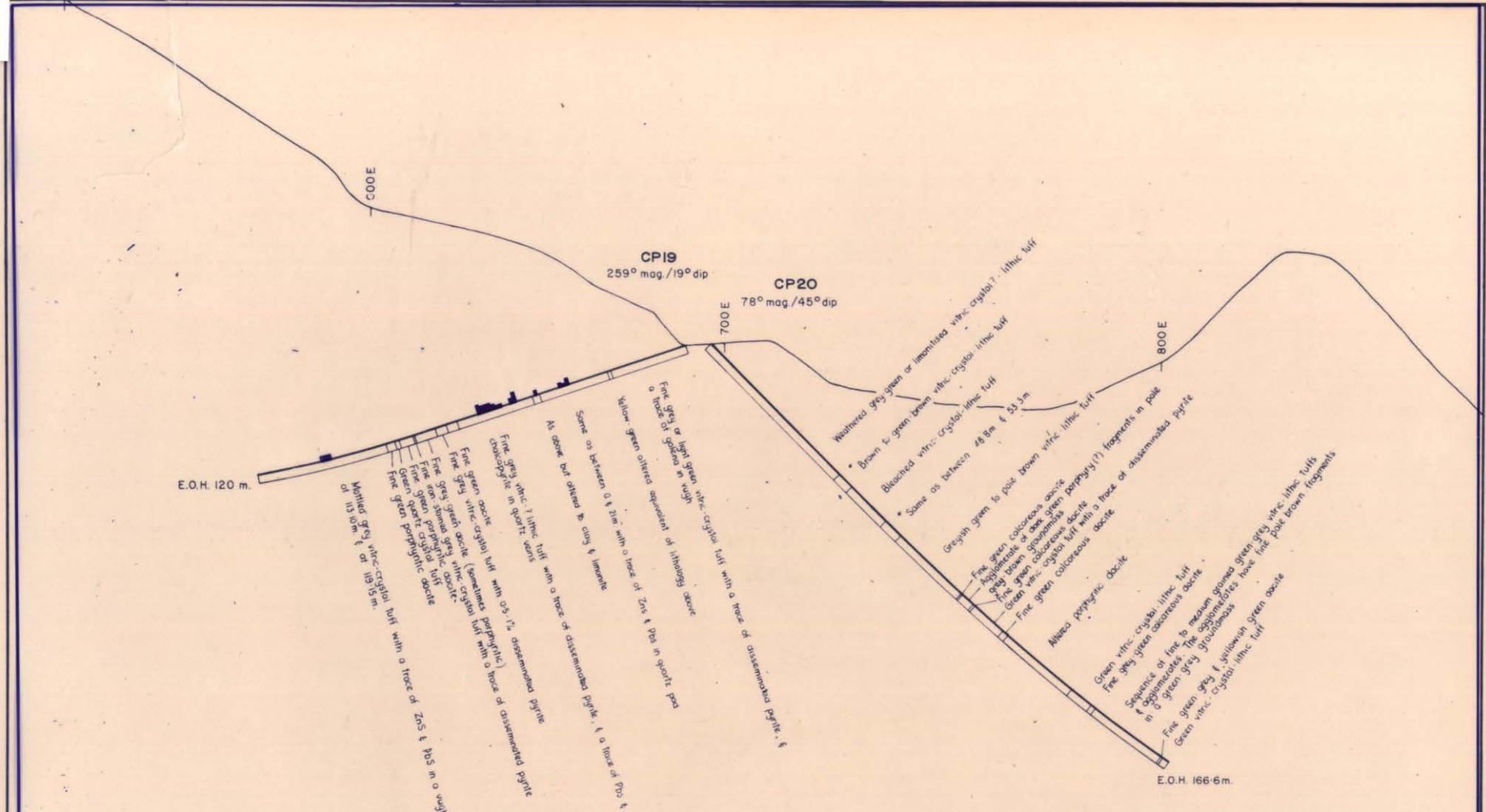
496054
031A



0 10,000 ppm - Pb.

5 cm

496054
031A



0 10,000 ppm - Pb

5 cm

0 20 40 60 80 100
METRES

COMSTAFF PROPRIETARY LIMITED
CHESTER METRIC GRID
LINE 2N
D.D.H'S CPI9 & CP20-SECTION
DRAWN BY J.J.K. COMPILED RNS SCALE 1:1500 TAG/2/020

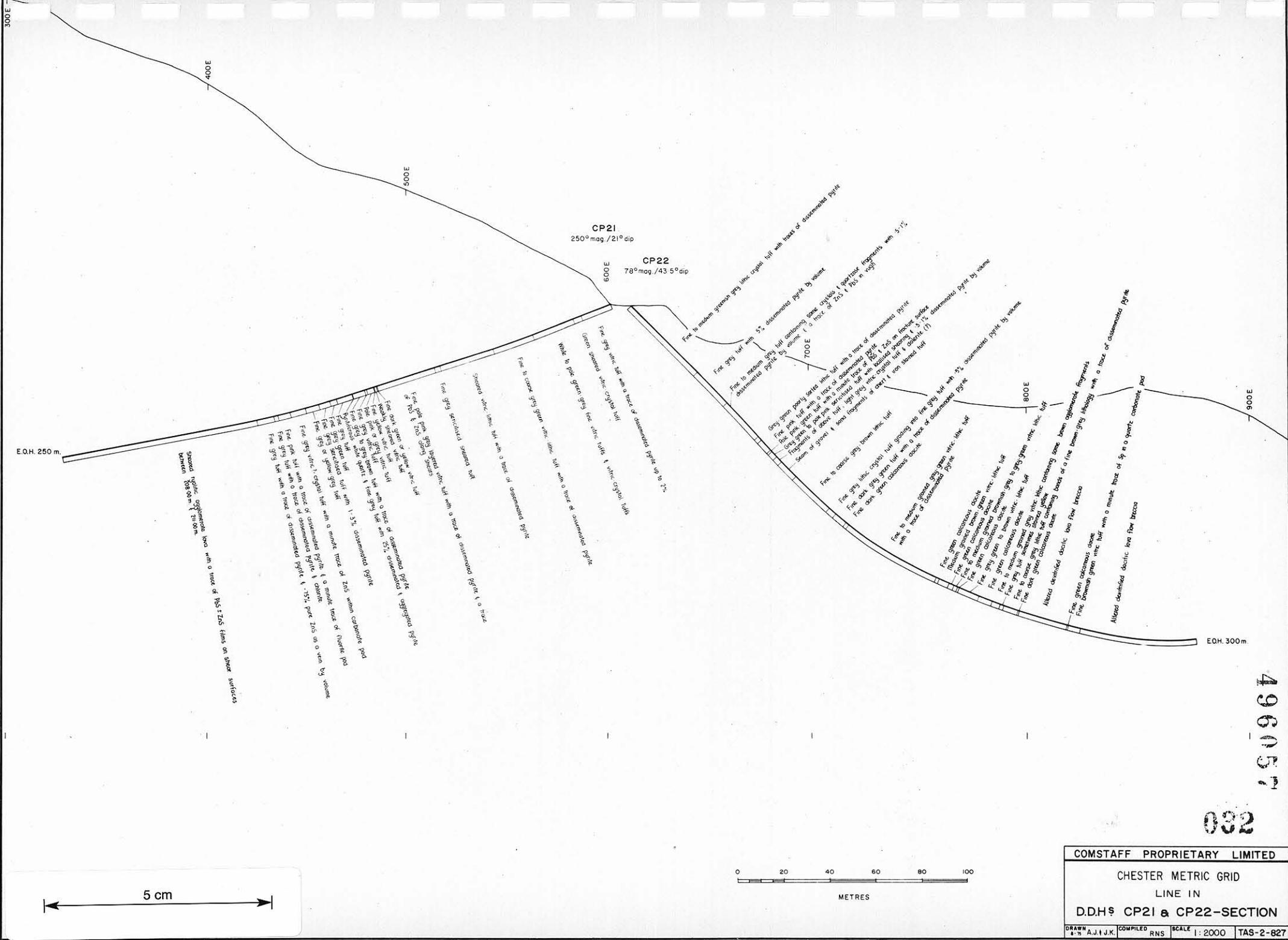
496053

321 B
496055



0 10,000 ppm - Zn.

5 cm



CP21
250° mag / 21° dip

CP22
78° mag / 43.5° dip

E.O.H. 250 m

E.O.H. 300 m

5 cm

0 20 40 60 80 100
METRES

COMSTAFF PROPRIETARY LIMITED			
CHESTER METRIC GRID			
LINE IN			
D.D.H\$ CP21 & CP22-SECTION			
DRAWN A.J.I.J.K.	COMPILED RNS	SCALE 1:2000	TAS-2-827

496057

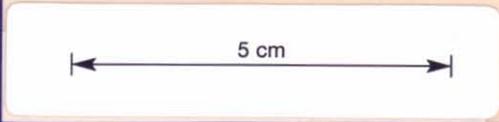
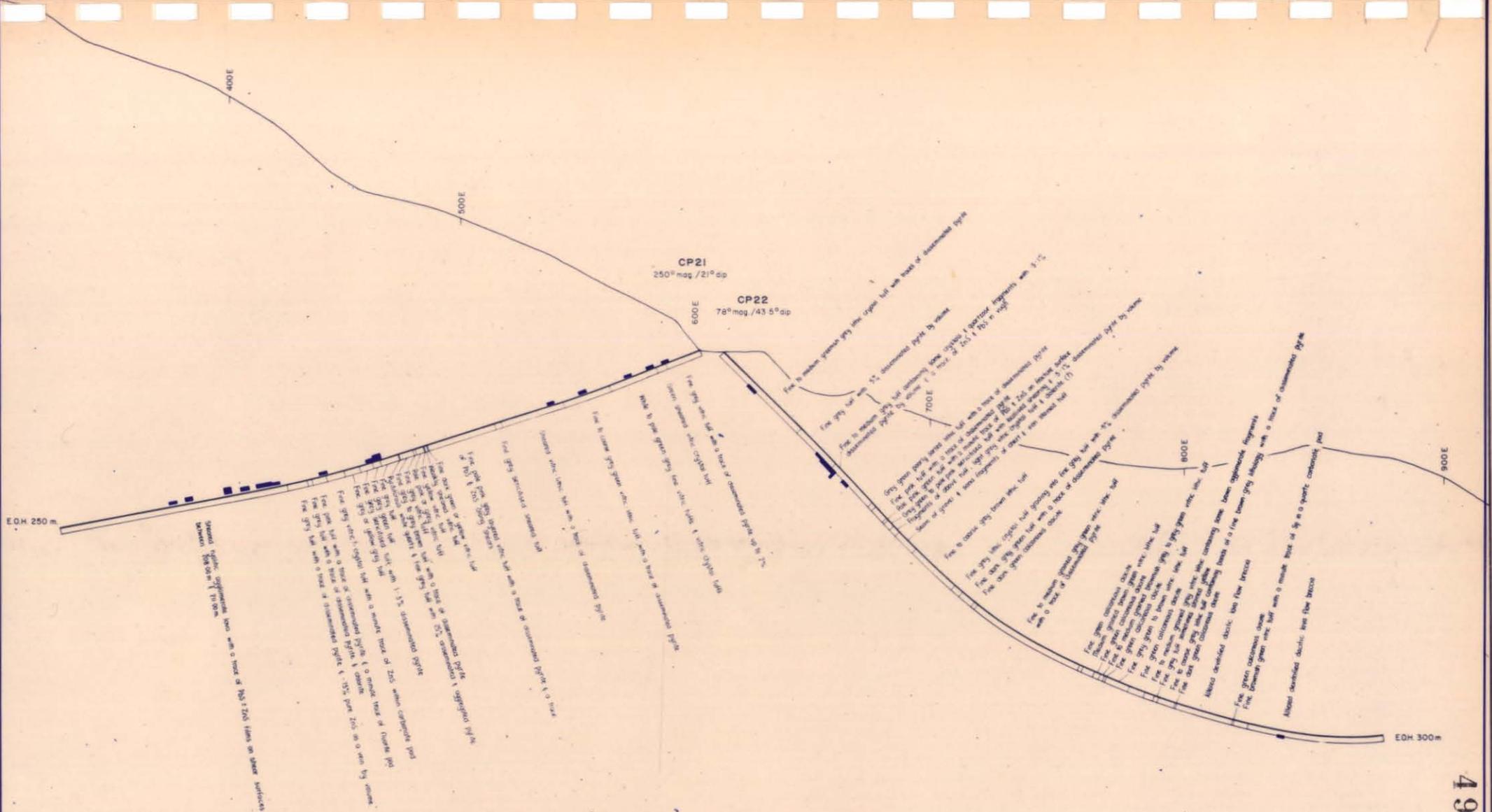
082



0 10,000 ppm - Pb.

496058.
032A

5 cm



496058
032A

COMSTAFF PROPRIETARY LIMITED

CHESTER METRIC GRID

LINE IN

DDH# CP21 & CP22-SECTION

DRAWN BY: [] COMPILED BY: [] SCALE: 1:2000 TAB: 3 OF 3



5 cm

0 10000 ppm - Zn

496059
032B

300E

4000

5000

CP21
250° mag / 21° dip

600E
CP22
79° mag / 43 5° dip

EQH 250 m

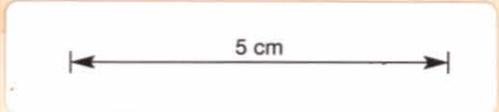
EQH 300 m

800E

496059

032B

10,000 ppm - Zn



COMSTAFF PROPRIETARY LIMITED

CHESTER METRIC GRID
LINE IN

D.D.H. CP21 & CP22-SECTION

DESIGN: A.J.L.K. COMPILED: RNS SCALE: 1:2000 T.A.S.-2-B27

Several typical specimens from within a zone of 195-200 lines on sheet surfaces
showed 100-150 ppm Zn

The 250 ppm Zn zone is a zone of disseminated pyrite & sphalerite
with a matrix of quartz & calcite. The 250 ppm Zn zone is a zone of
disseminated pyrite & sphalerite with a matrix of quartz & calcite.
The 250 ppm Zn zone is a zone of disseminated pyrite & sphalerite
with a matrix of quartz & calcite. The 250 ppm Zn zone is a zone of
disseminated pyrite & sphalerite with a matrix of quartz & calcite.

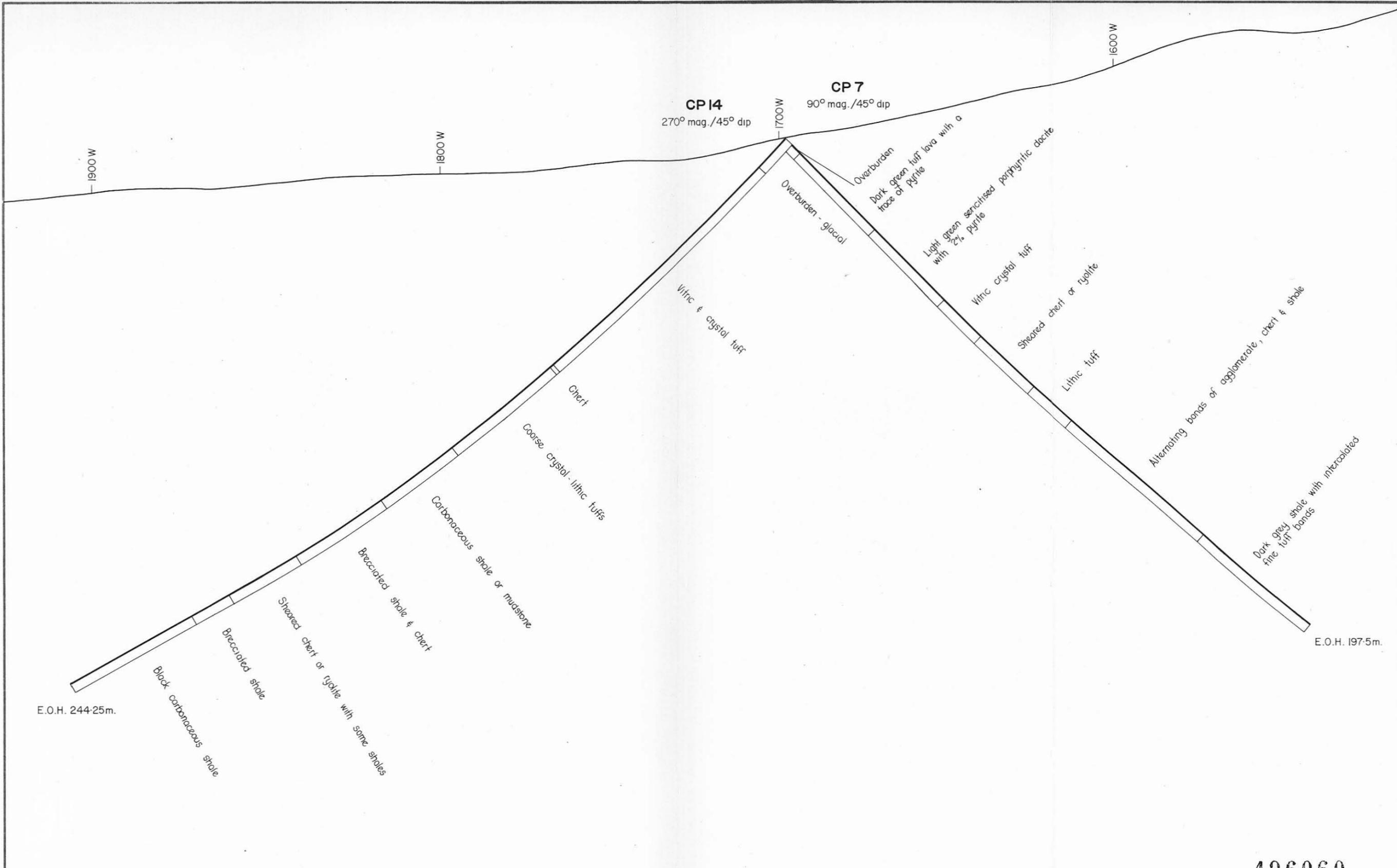
The 250 ppm Zn zone is a zone of disseminated pyrite & sphalerite
with a matrix of quartz & calcite. The 250 ppm Zn zone is a zone of
disseminated pyrite & sphalerite with a matrix of quartz & calcite.

The 250 ppm Zn zone is a zone of disseminated pyrite & sphalerite
with a matrix of quartz & calcite. The 250 ppm Zn zone is a zone of
disseminated pyrite & sphalerite with a matrix of quartz & calcite.

The 250 ppm Zn zone is a zone of disseminated pyrite & sphalerite
with a matrix of quartz & calcite. The 250 ppm Zn zone is a zone of
disseminated pyrite & sphalerite with a matrix of quartz & calcite.

The 250 ppm Zn zone is a zone of disseminated pyrite & sphalerite
with a matrix of quartz & calcite. The 250 ppm Zn zone is a zone of
disseminated pyrite & sphalerite with a matrix of quartz & calcite.

The 250 ppm Zn zone is a zone of disseminated pyrite & sphalerite
with a matrix of quartz & calcite. The 250 ppm Zn zone is a zone of
disseminated pyrite & sphalerite with a matrix of quartz & calcite.



CPI4
270° mag./45° dip

CP7
90° mag./45° dip

1900 W

1800 W

1700 W

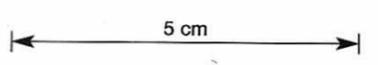
1600 W

E.O.H. 244-25m.

E.O.H. 197-5m.



Scale of metres



496060

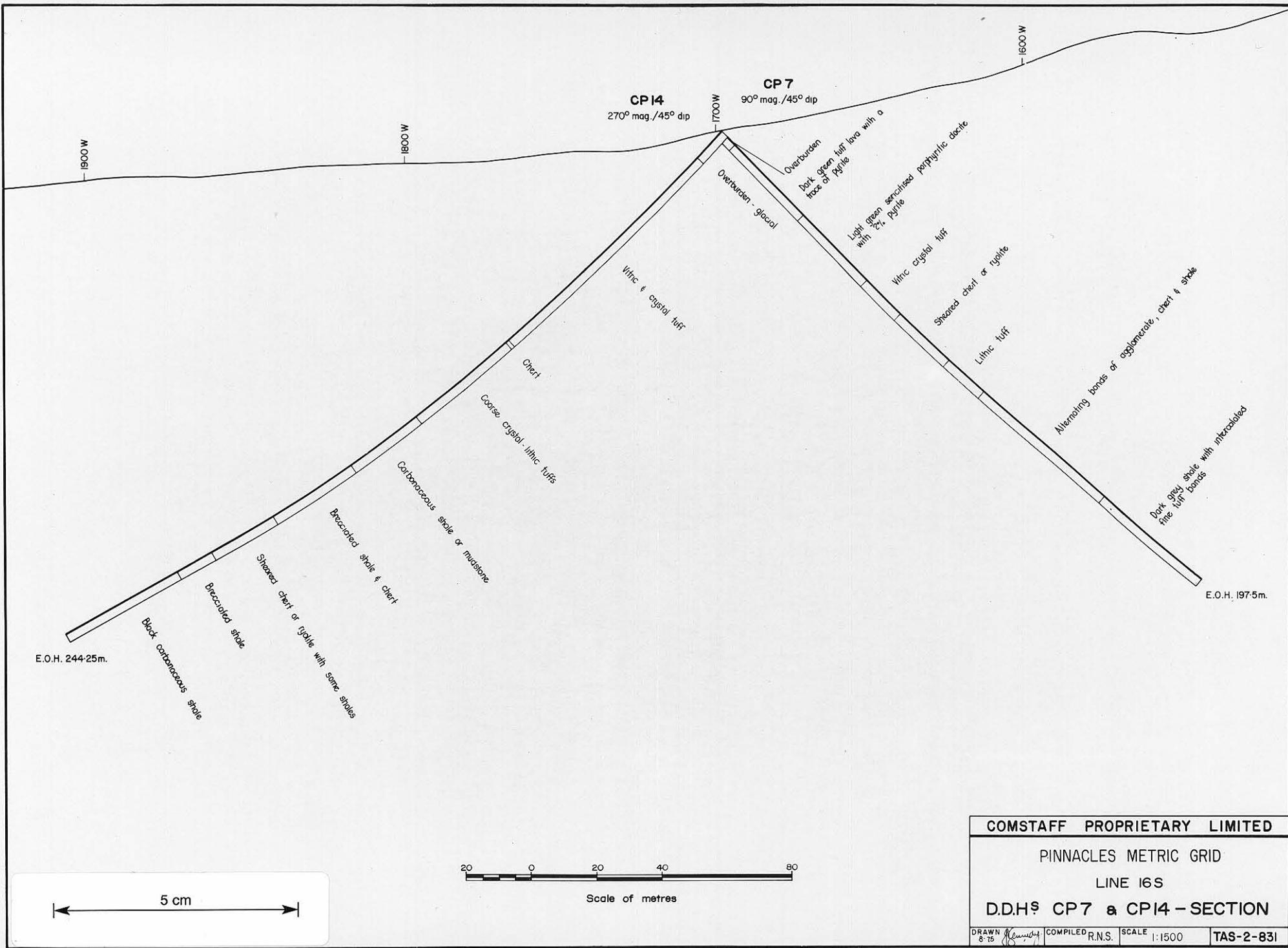
COMSTAFF PROPRIETARY LIMITED

PINNACLES METRIC GRID

LINE 16S

D.D.H.S CP7 & CPI4 - SECTION

DRAWN 8-75	COMPILED R.N.S.	SCALE 1:1000	TAS-2-831
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496061

COMSTAFF PROPRIETARY LIMITED			
PINNACLES METRIC GRID			
LINE 16S			
D.D.H\$ CP7 & CPI4 - SECTION			
DRAWN 8-75	COMPILED R.N.S.	SCALE 1:1500	TAS-2-831

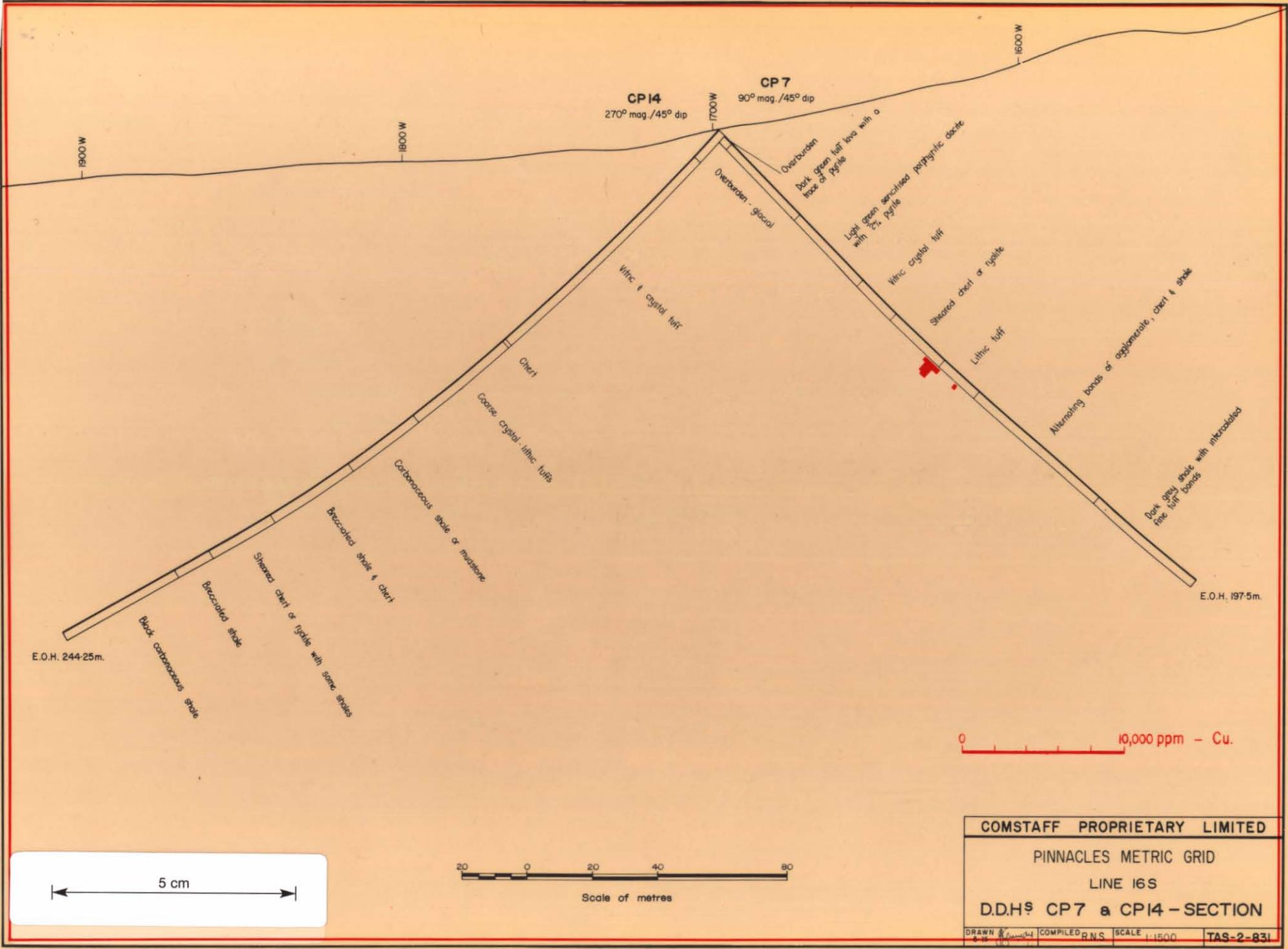
496062
037A



0 10,000 ppm - Cu.

5 cm

496062
037A



496061

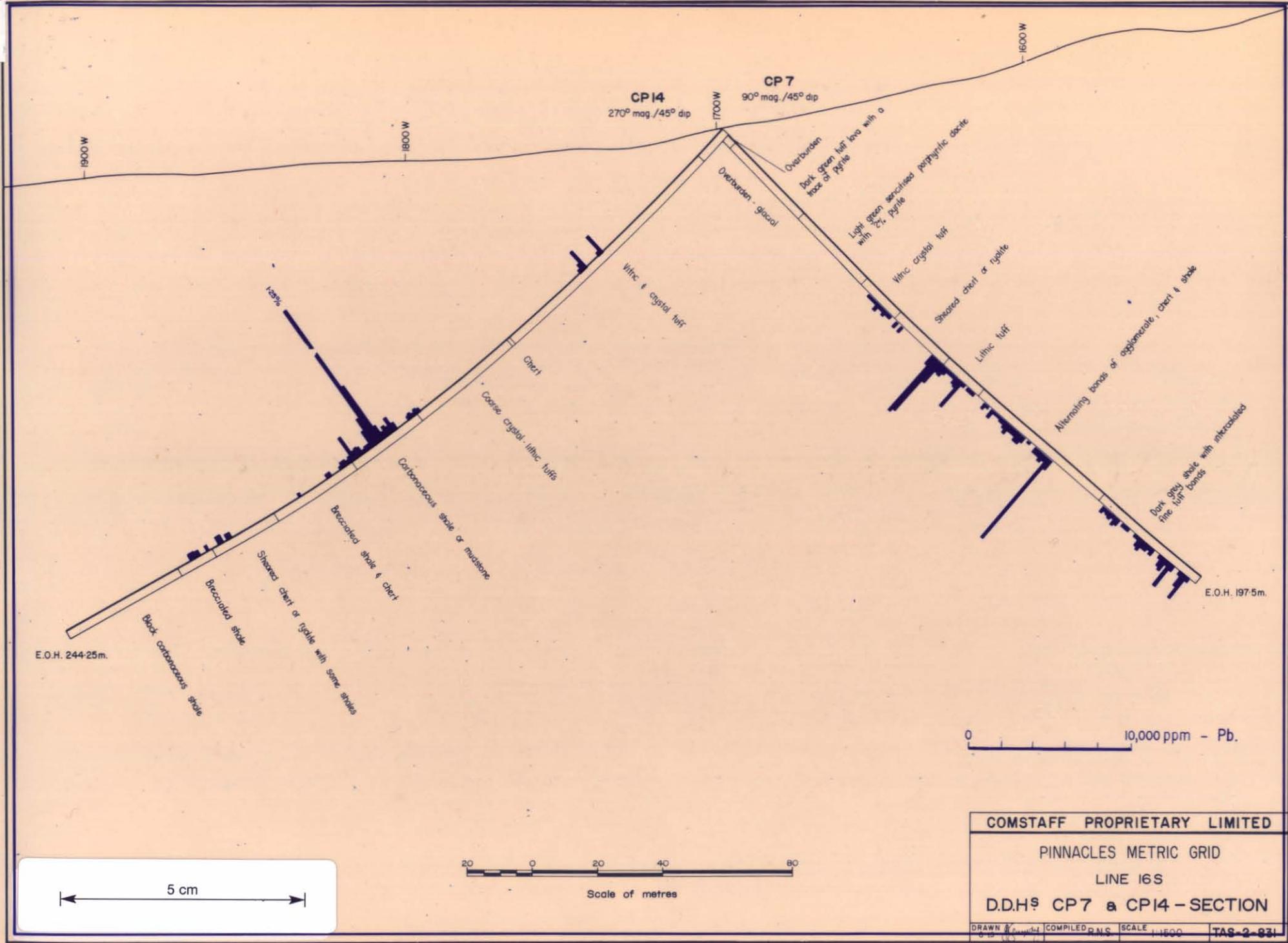
496063
707C



5 cm

0 10,000 ppm - Pb.

496063
327C



496061

0 10,000 ppm - Pb.

COMSTAFF PROPRIETARY LIMITED			
PINNACLES METRIC GRID			
LINE 16S			
D.D.H ^s CP7 & CPI4 - SECTION			
DRAWN	COMPILED	R.N.S.	SCALE
6-10	10-15		1:1500
			TAS-2-831

5 cm

20 0 20 40 80
Scale of metres

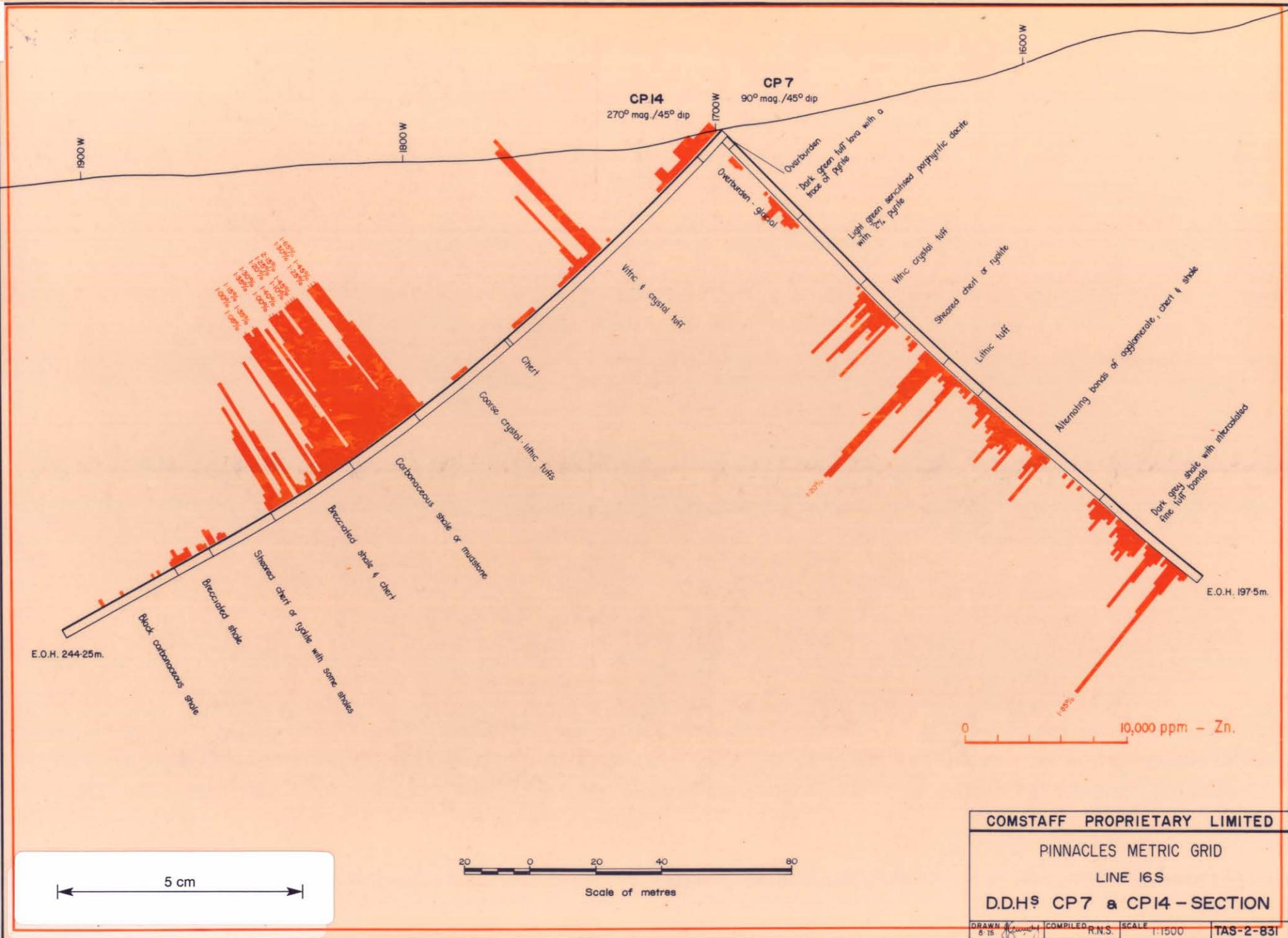
496064
037B



5 cm

0 10,000 ppm - Zn

496064
037B



5 cm

0 20 40 80
Scale of metres

0 10,000 ppm - Zn.

COMSTAFF PROPRIETARY LIMITED

PINNACLES METRIC GRID

LINE 16S

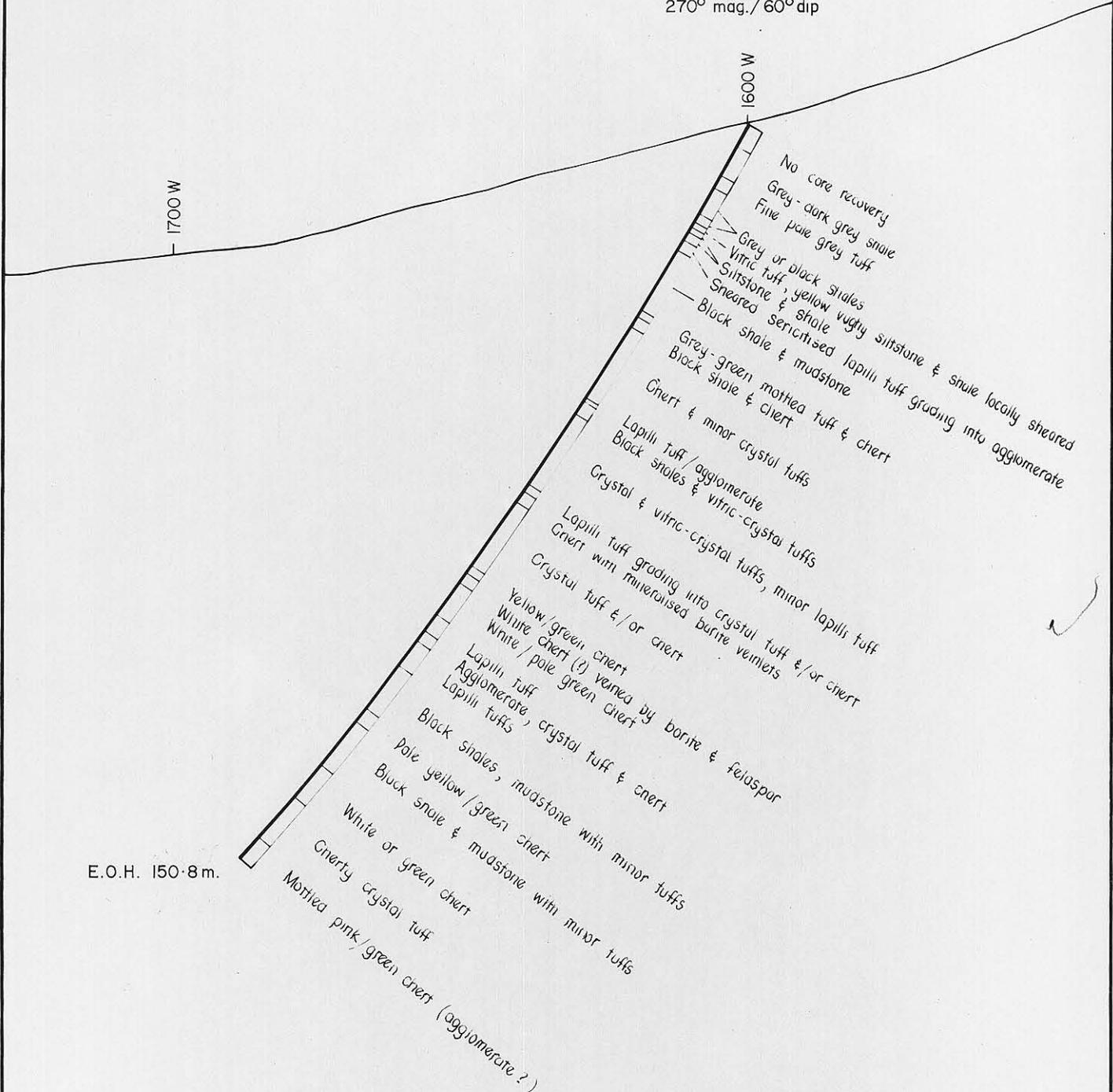
D.D.H'S CP7 & CP14 - SECTION

DRAWN 8-15
COMPILED R.N.S. SCALE 1:1500 TAS-2-831

496064

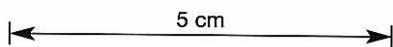
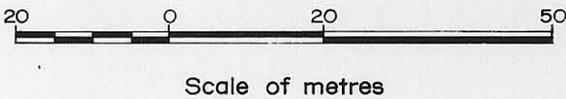
CP12

270° mag./60° dip



E.O.H. 150.8 m.

496065



COMSTAFF PROPRIETARY LIMITED

PINNACLES METRIC GRID

LINE 18 S

D.D.H. CP12 - SECTION

DRAWN 8-75 Kennedy

COMPILED R.N.S.

SCALE 1:1000

TAS-2-828

496066
8A



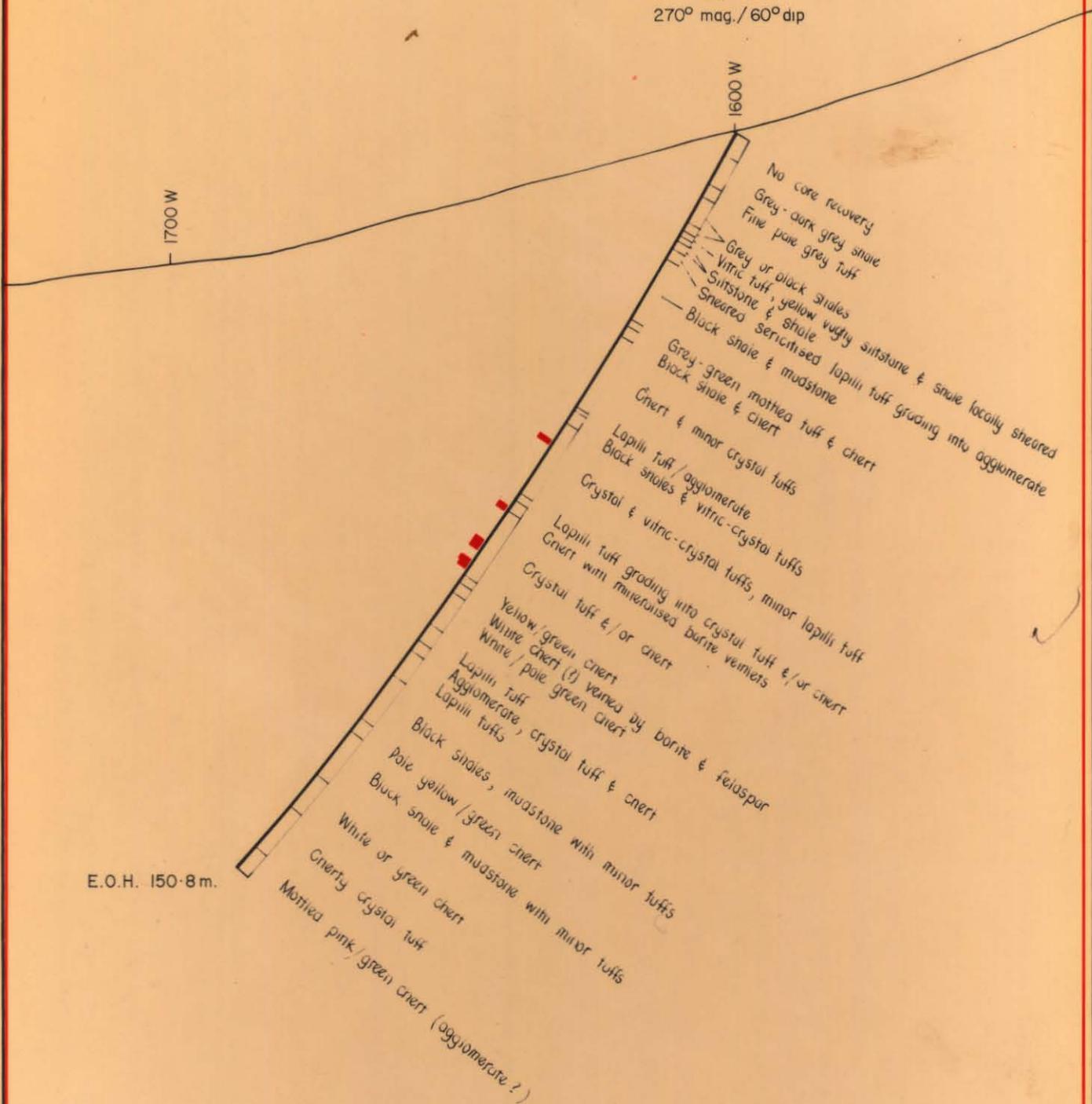
0 10,000 ppm - Cu.

5 cm

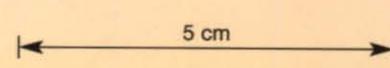
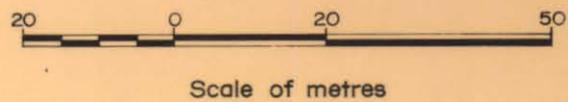
496066
038A

CP12

270° mag./60° dip



10,000 ppm - Cu.
496065



COMSTAFF PROPRIETARY LIMITED

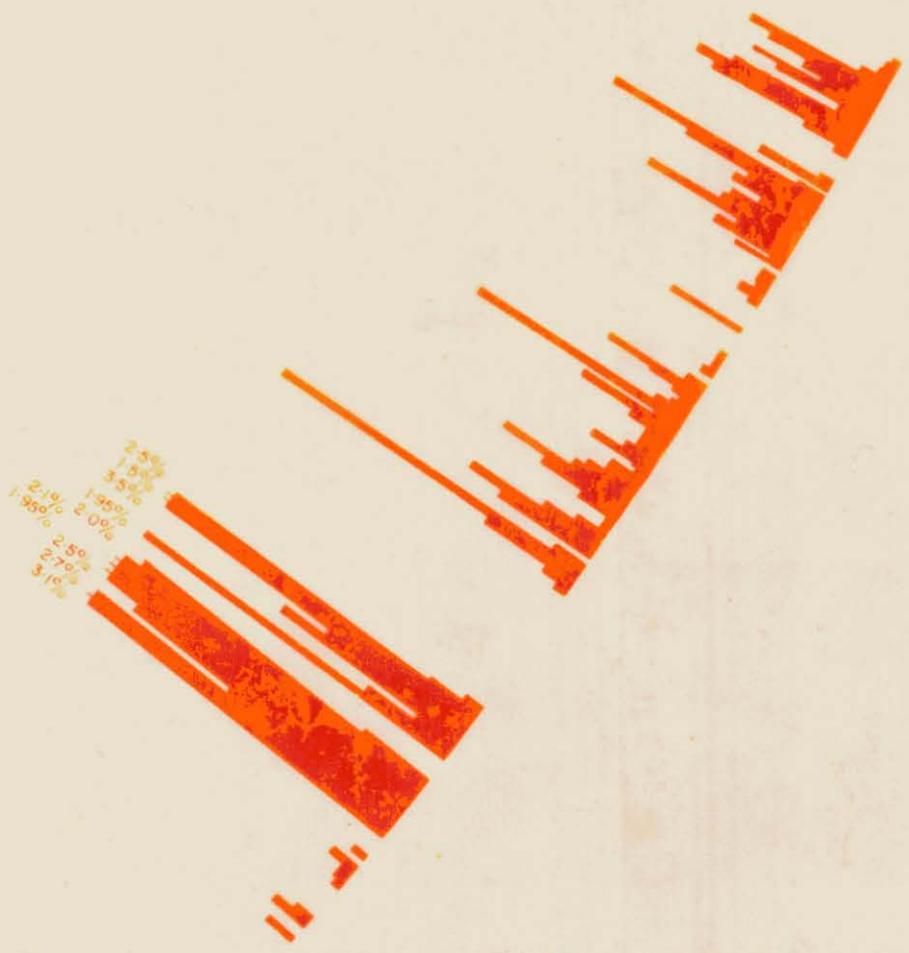
PINNACLES METRIC GRID

LINE 18S

D.D.I.

DRAWN 8-75 *A Kennedy* COMP

496068
008B



2.50
1.95
3.50
1.95
2.00
1.95
2.50
2.70
3.10

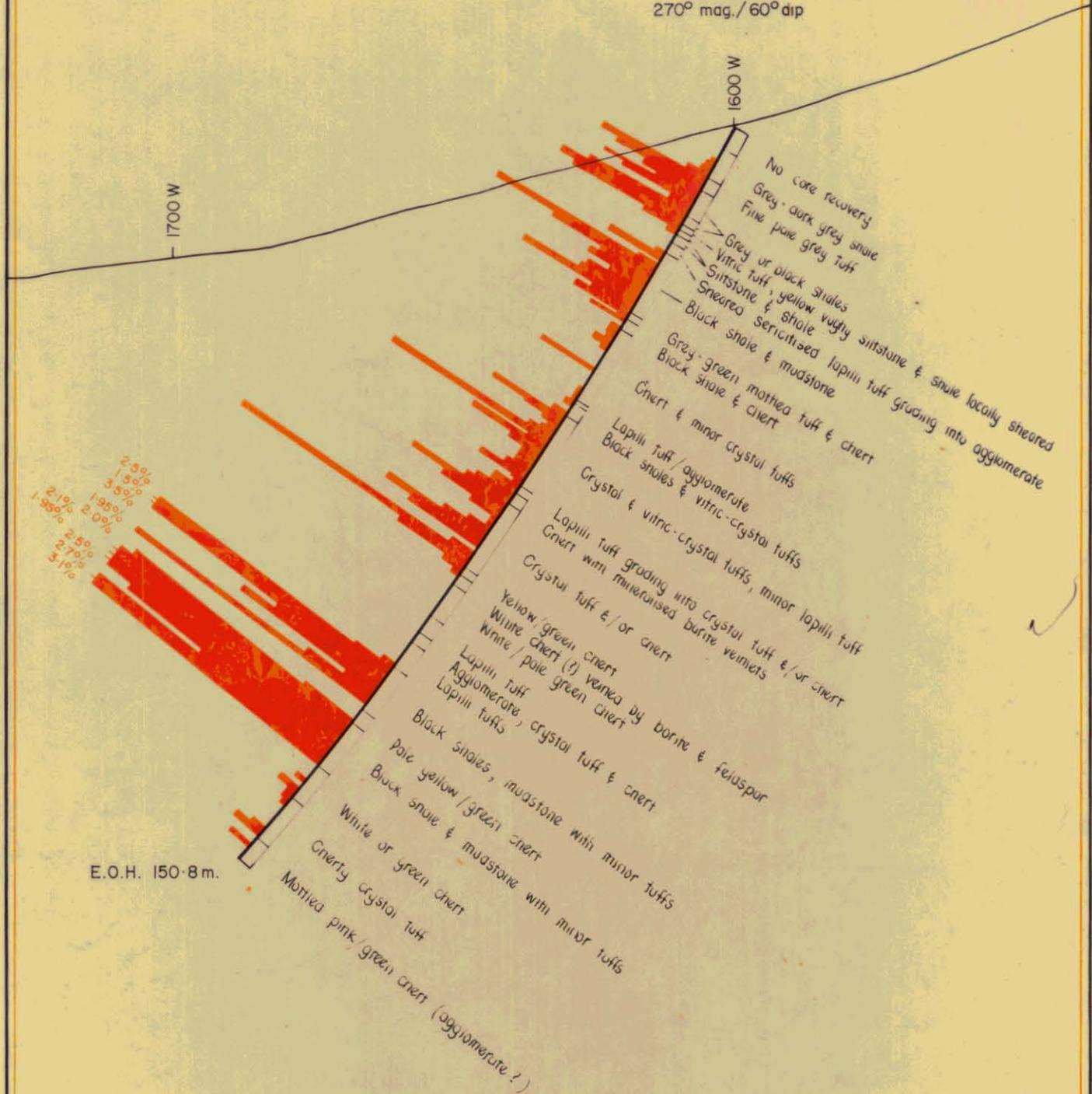
0 10,000 ppm - Zn

5 cm

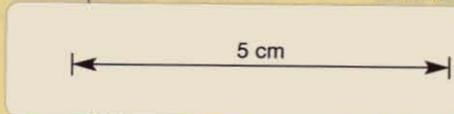
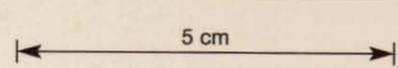
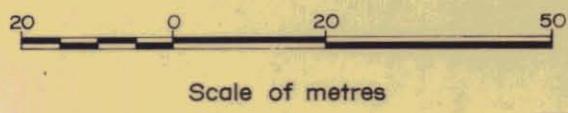
496068
008B

CPI 2

270° mag./60° dip



0 10,000 ppm - Zn
496065



COMSTAFF PROPRIETARY LIMITED

PINNACLES METRIC GRID

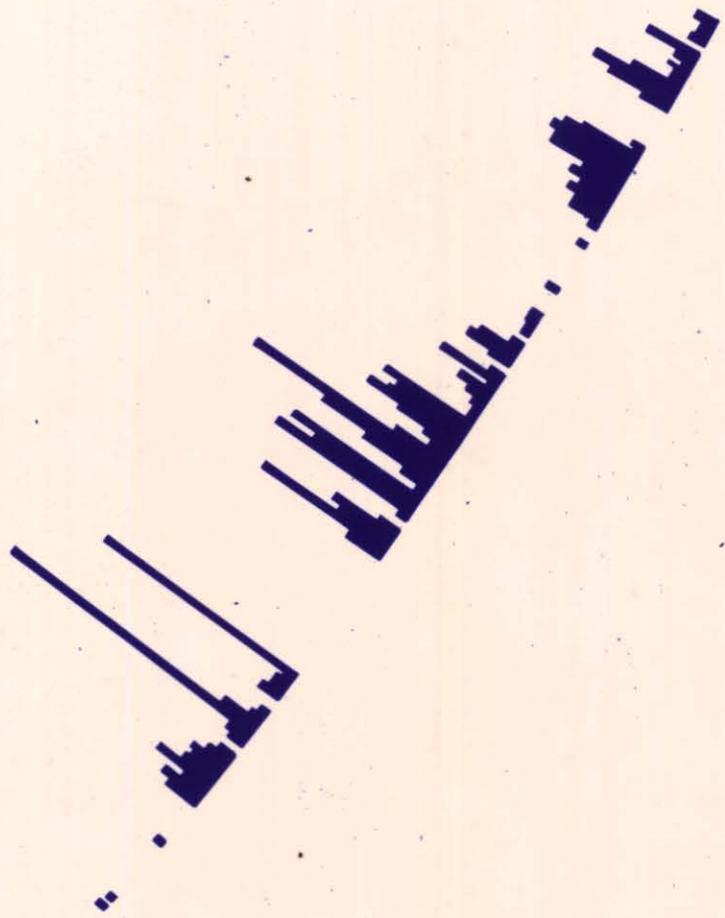
LINE 18S

SECTION

1:1000

TAS-2-828

496067
078 C

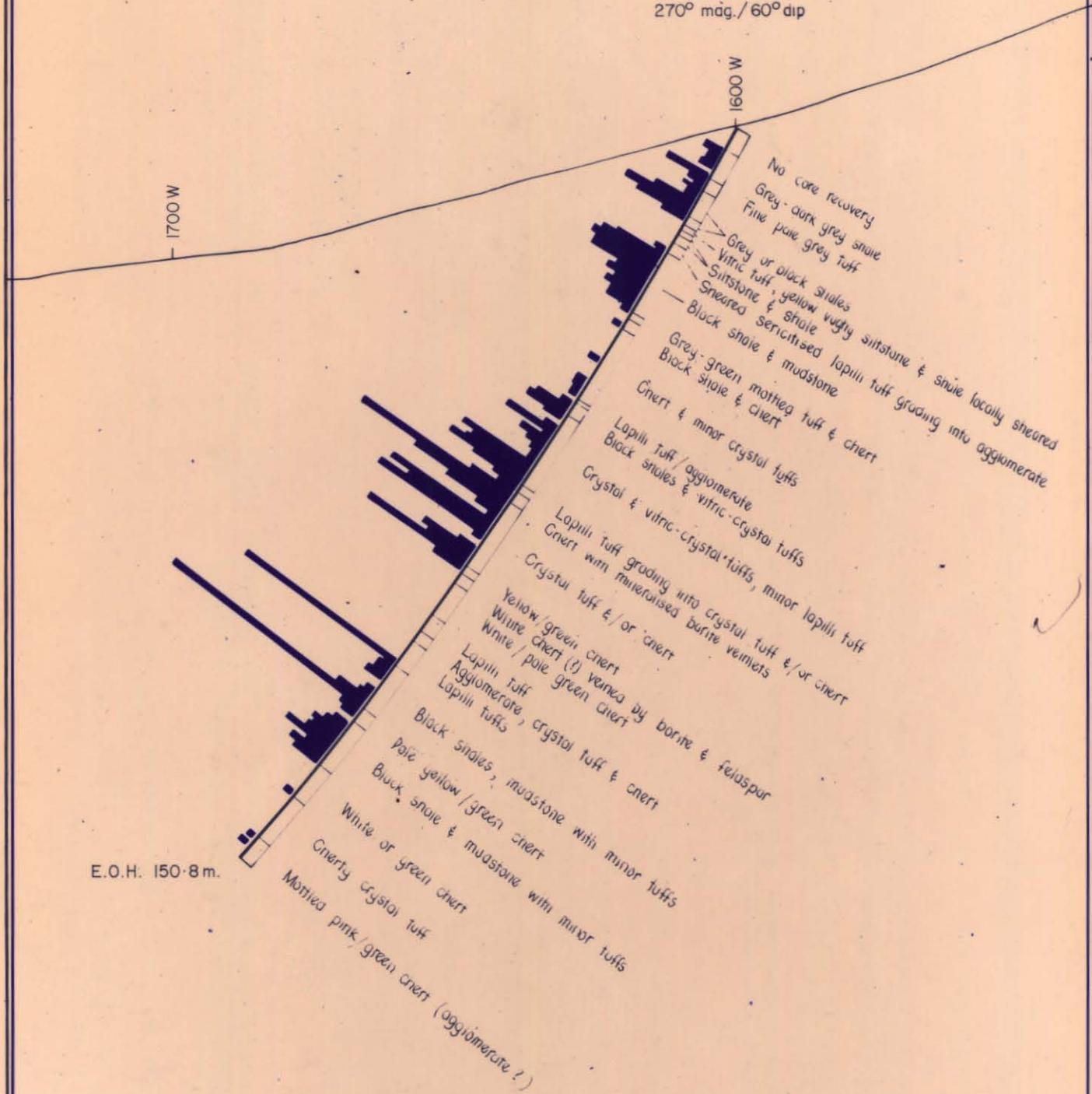


0 10,000 ppm - Pb

5 cm

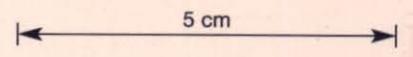
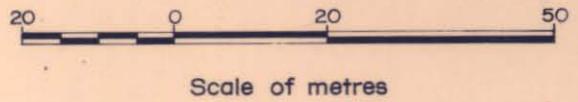
496067
078 C

CP12
270° mag./60° dip



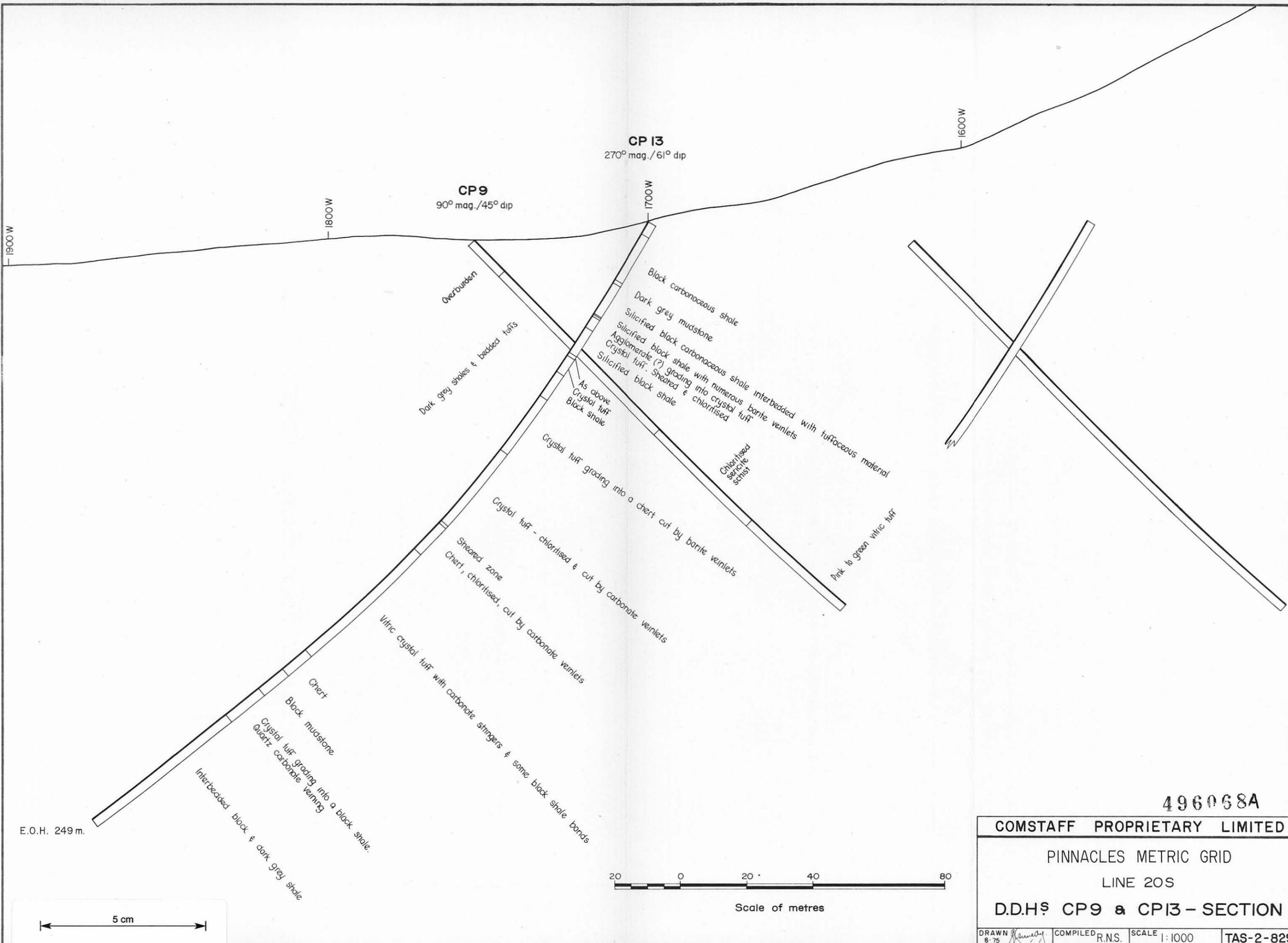
E.O.H. 150.8 m.

0 10,000 ppm - Pb
496065



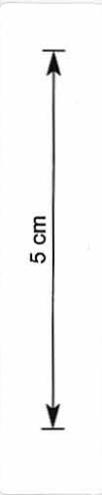
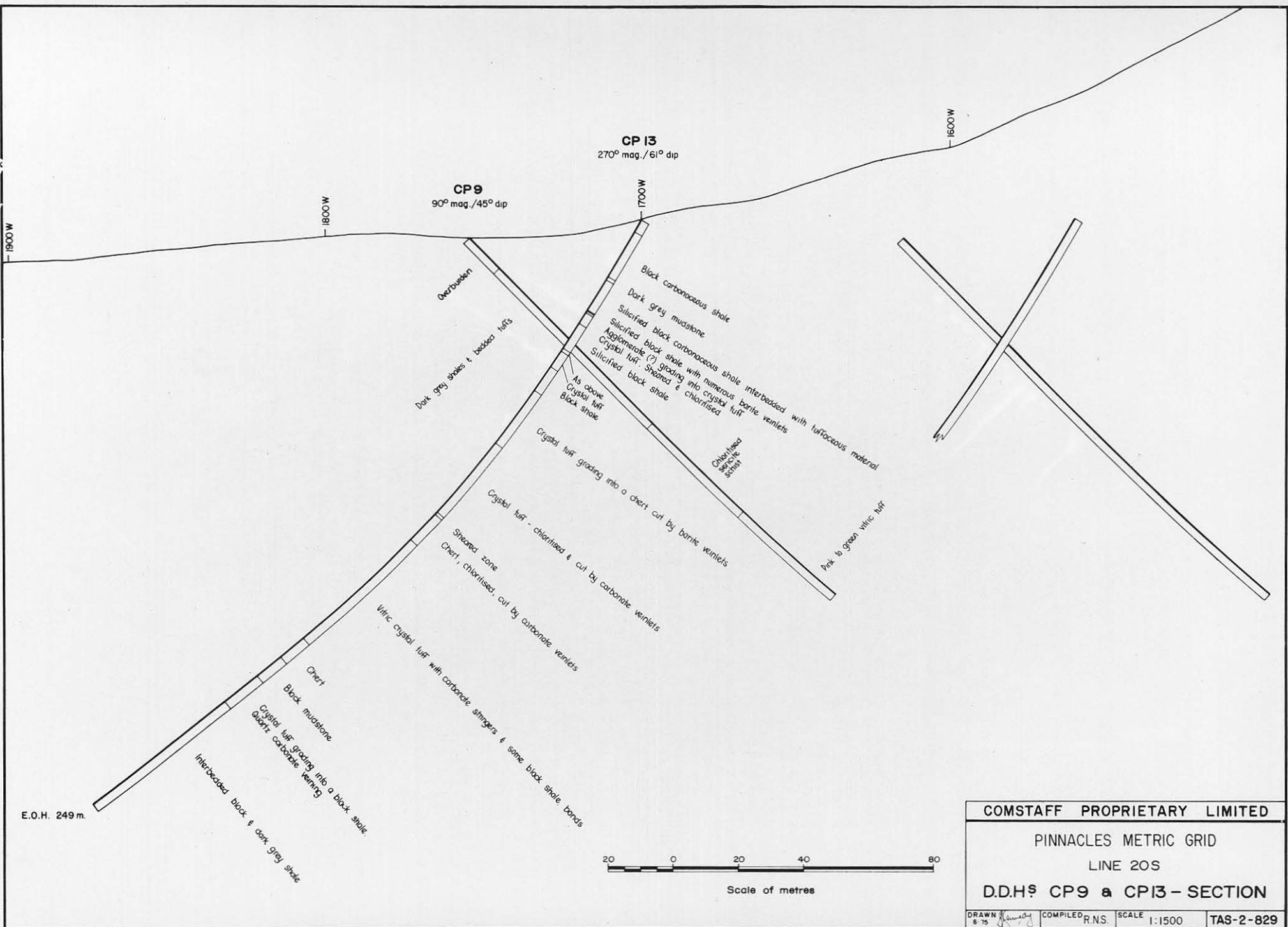
COMSTAFF PROPRIETARY LIMITED
 PINNACLES METRIC GRID
 LINE 18 S
 SECTION

1000 TAS-2-828



496068A

COMSTAFF PROPRIETARY LIMITED			
PINNACLES METRIC GRID			
LINE 20S			
D.D.H ^s CP9 & CP13 - SECTION			
DRAWN 8-75	COMPILED R.N.S.	SCALE 1:1000	TAS-2-829



COMSTAFF PROPRIETARY LIMITED			
PINNACLES METRIC GRID			
LINE 20S			
D.D.H. CP9 & CP13 - SECTION			
DRAWN 8-75	COMPILED R.N.S.	SCALE 1:1500	TAS-2-829

496059

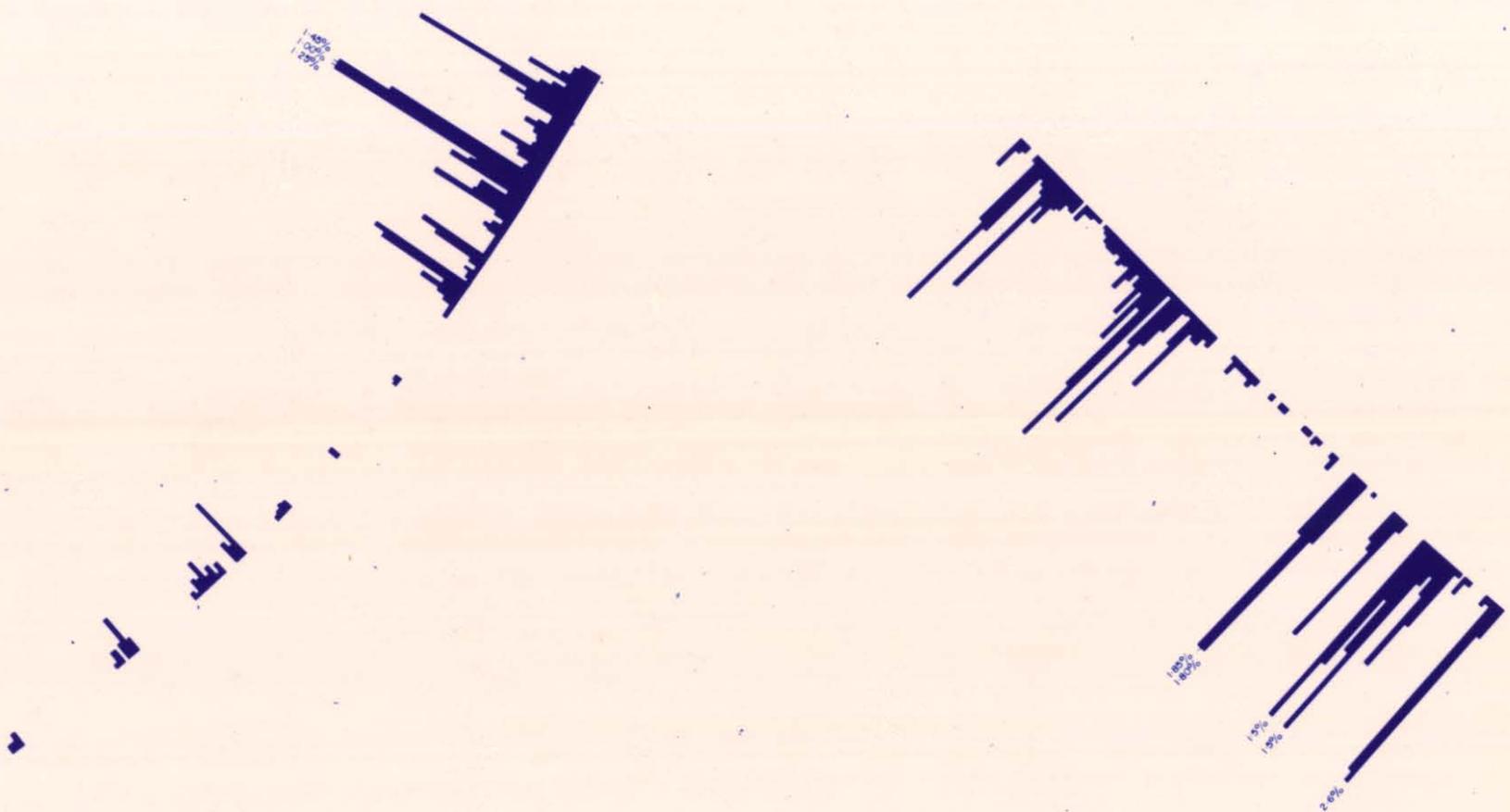
496070
039 A



0 10,000 ppm - Cu.

5 cm

496071
339C

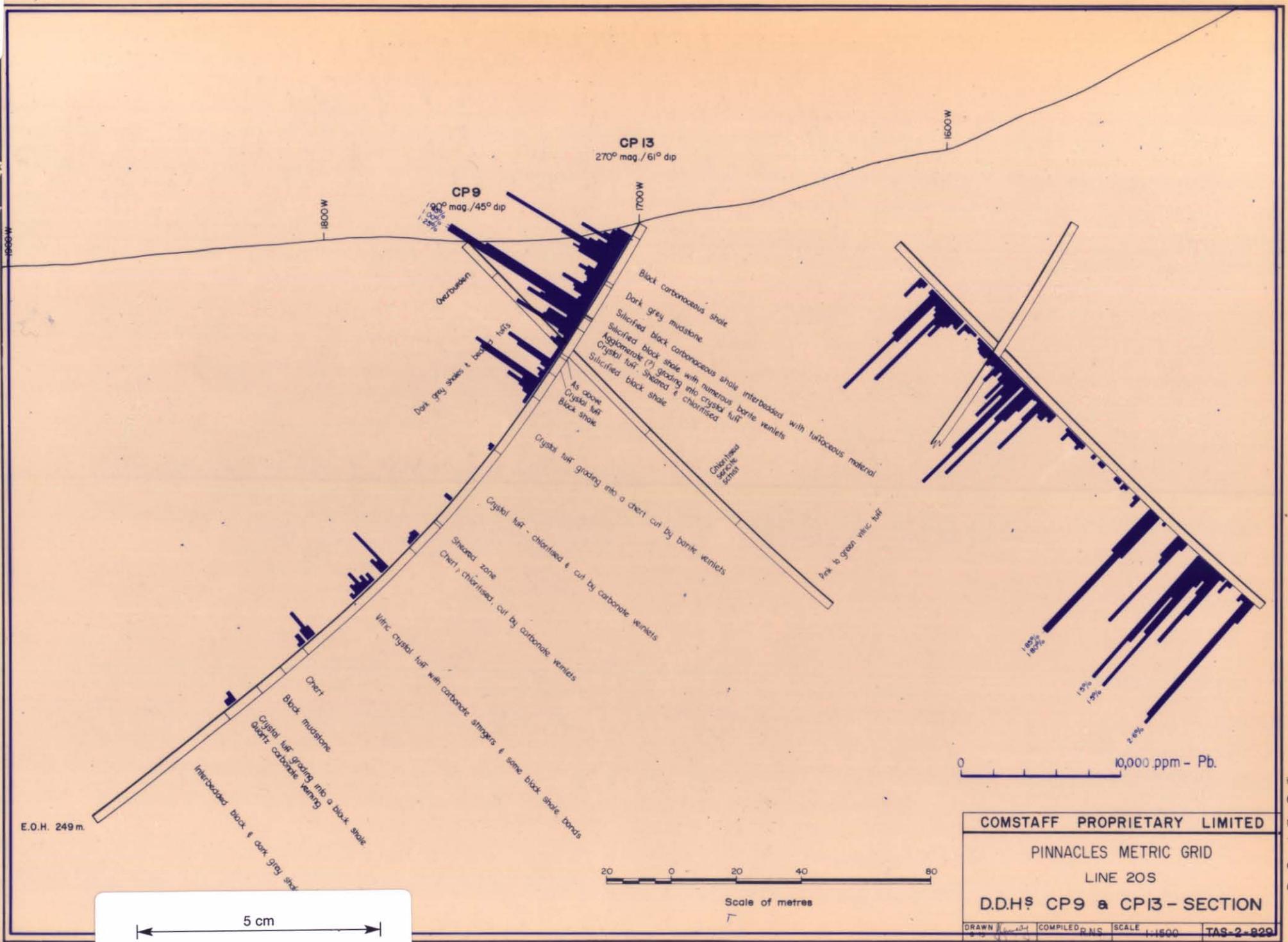


0 10,000 ppm - Pb.

5 cm

496071
039C

496069



5 cm

5 cm

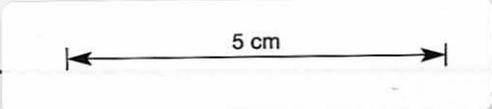
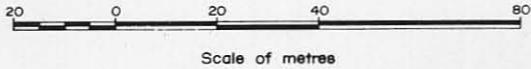
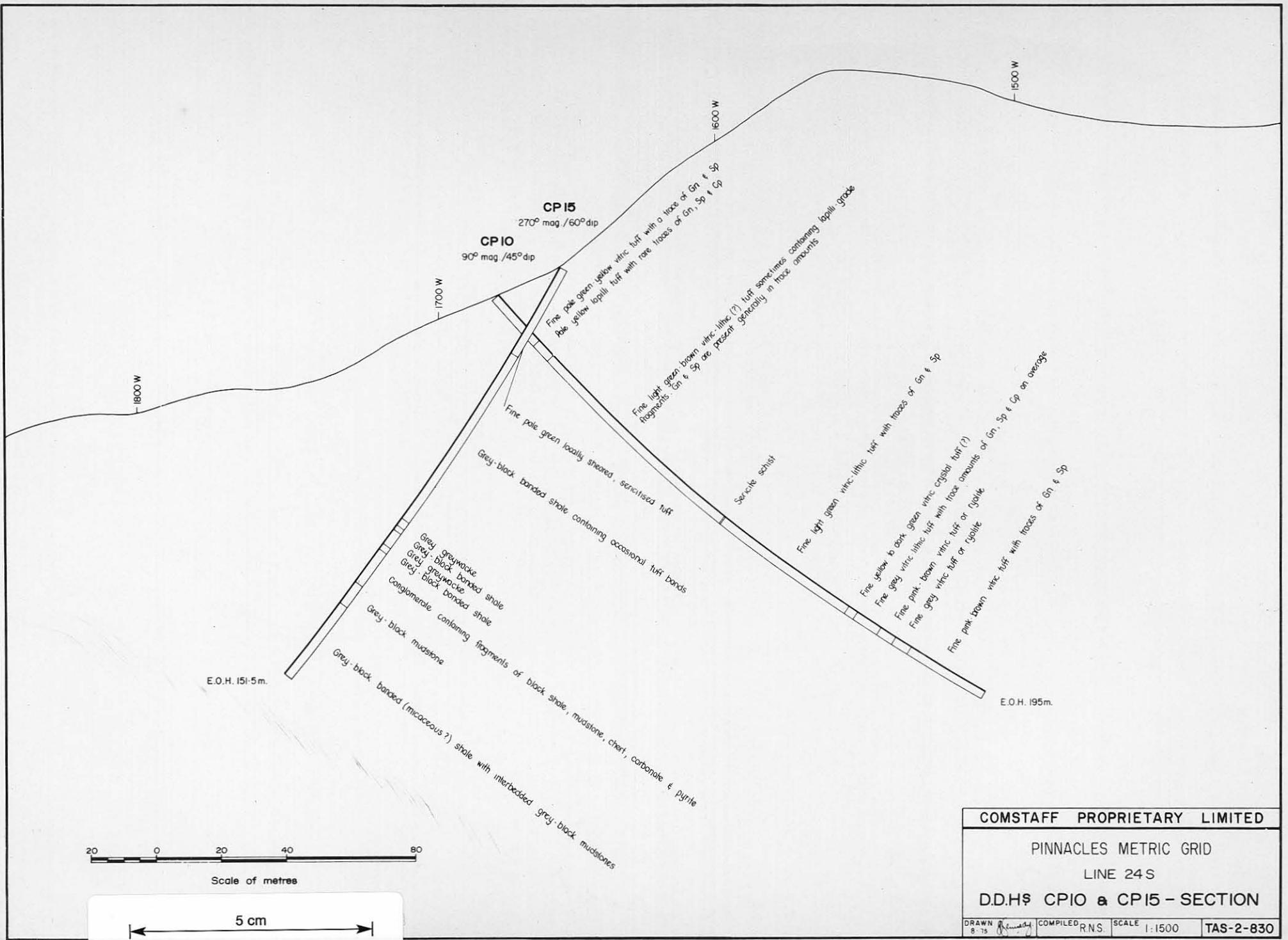
20 0 20 40 80
Scale of metres

0 10,000 ppm - Pb

COMSTAFF PROPRIETARY LIMITED
 PINNACLES METRIC GRID
 LINE 20S
 D.D.H'S CP9 & CP13 - SECTION

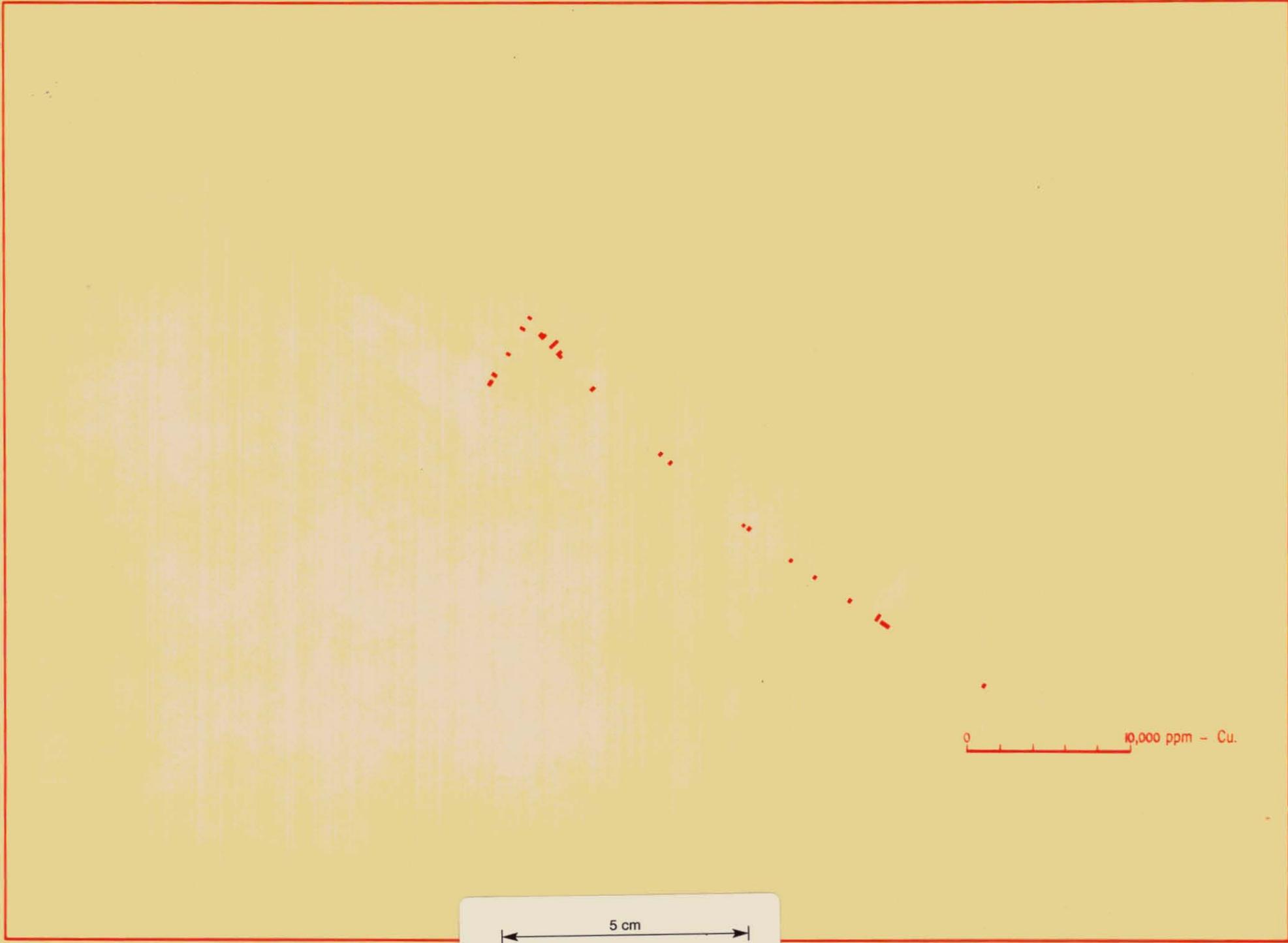
DRAWN	COMPILED	SCALE	TAS-2-829
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496069



COMSTAFF PROPRIETARY LIMITED			
PINNACLES METRIC GRID			
LINE 24S			
D.D.H\$ CPI0 & CPI15 - SECTION			
DRAWN 8-75	COMPILED RNS	SCALE 1:1500	TAS-2-830

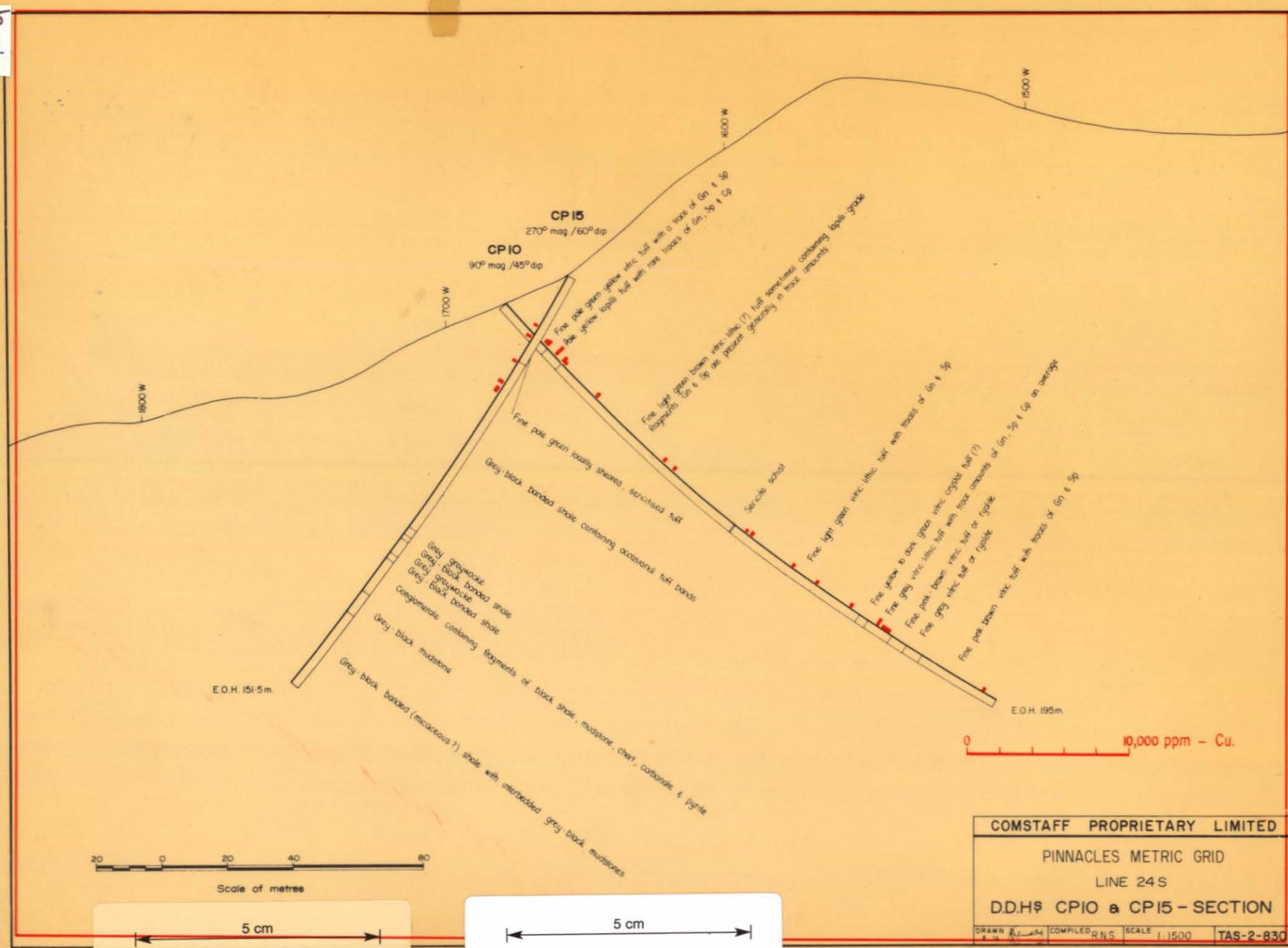
496075
040 C



0 10,000 ppm - Cu.

5 cm

496075
040 C



COMSTAFF PROPRIETARY LIMITED			
PINNACLES METRIC GRID			
LINE 24 S			
D.D.H\$ CPI0 & CPI5 - SECTION			
DRAWN	COMPILED	SCALE	TAS-2-830
R.S.	R.N.S.	1:1500	

496074

496076
040A



0 10,000 ppm - Pb

5 cm

SW

NE

I. P. Anomaly

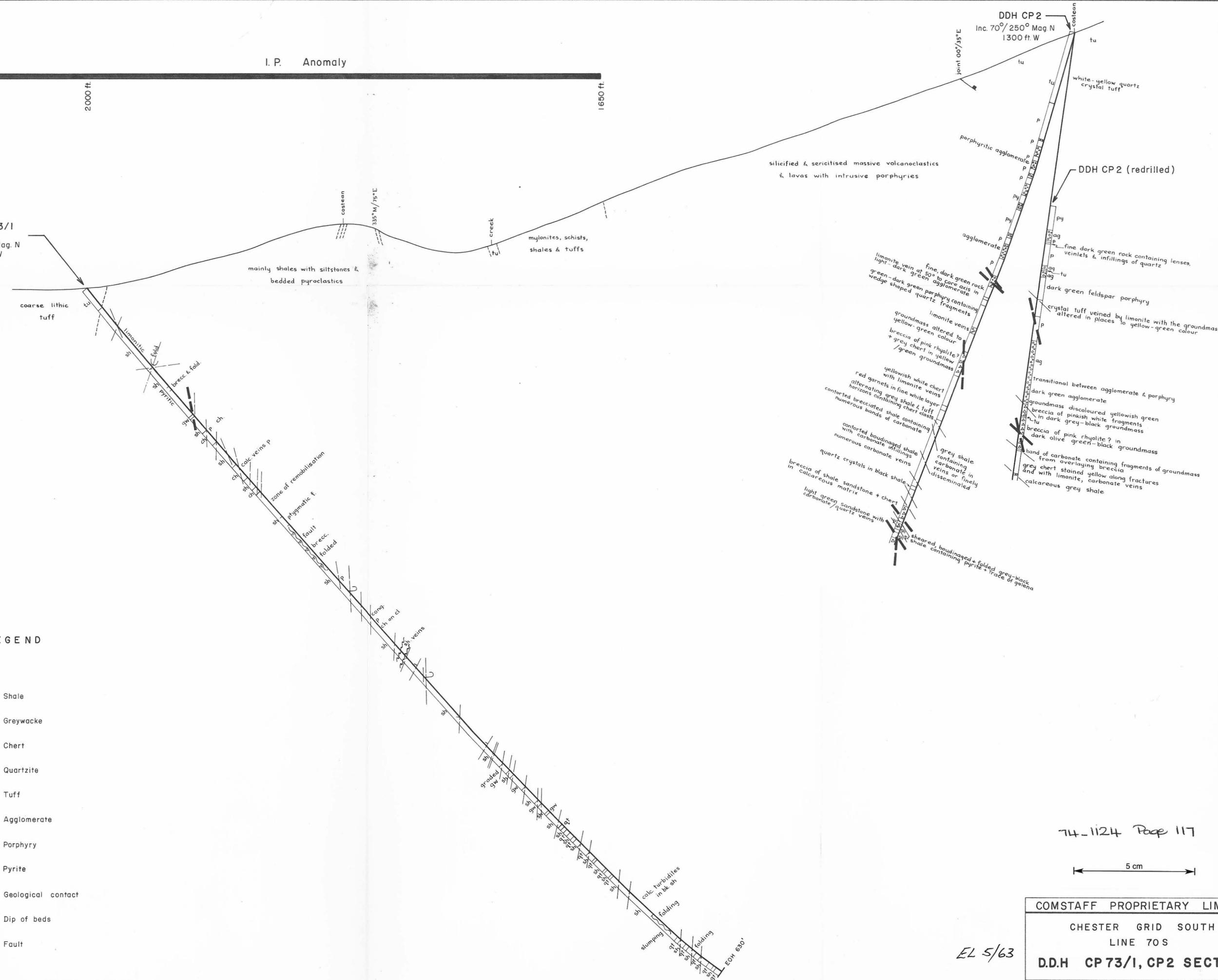
to 2200 ft.

2000 ft.

1650 ft.

DDH CP 73/1
Inc. 50°/70° Mag. N
2000 ft. W

DDH CP 2
Inc. 70°/250° Mag. N
1300 ft. W



LEGEND

- sh Shale
- gw Greywacke
- ch Chert
- qt Quartzite
- tu Tuff
- ag Agglomerate
- p Porphyry
- py Pyrite
- Geological contact
- - - Dip of beds
- Fault

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5 cm

COMSTAFF PROPRIETARY LIMITED

CHESTER GRID SOUTH
LINE 70 S

D.D.H CP 73/1, CP 2 SECTION

DRAWN R. Butler
Dec. 73

COMPILED R.S. & M.P.E.

SCALE 1:500

TAS-2-488

EL 5/63

EOH 8901