

99-4343

590001

ANNUAL REPORT - LISLE - EL 2/92
MACMIN NL - H SIMMONS

**EXPLORATION LICENCE 2/92
"LISLE"**

**ANNUAL REPORT FOR THE
YEAR ENDED 24TH JULY 1999**

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ANNUAL REPORT - LISLE - EL 2/92
MACMIN NL - H SIMMONS



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SUMMARY

During the past 12 months exploration concentrated on the Potoroo and Gold Crest Prospects.

At Potoroo assays from new trench sampling showed elevated Au and As values especially in the vicinity of the mineralised quartz veins found by the initial trenching program. Grid-based excavator pit sampling found slightly anomalous Au values in the south-west corner of the grid (up to 0.053 g/t Au). This anomaly remains open to the south-east.

Trenching at Gold Crest intersected a gold anomaly and the Mathinna Bed-Granite contact. Altered granites at the contact assayed up to 0.42 g/t Au and a quartz vein in a newly discovered adit; 1.14 g/t Au.

A total of 1,788m of trenches were excavated and 347 samples from them assayed, 95 pits were excavated, sampled and assayed.

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(folded)

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1. INTRODUCTION

1.1 Location

E.L. 2/92 "Lisle" lies in the north-east of Tasmania, about 30km from Launceston. (see Figure 1).

1.2 Tenure

E.L. 2/92 "Lisle" was issued to R.D. & R.J. McNeil on 24 July 1992. On 16/10/92 the title was transferred to MACMIN N.L.

E.L. 2/92 is bounded by A.M.G. lines 5443000m N and 5431000m N to the north and south respectively and A.M.G. lines 523000m E and 529000m E to the west and east respectively.

Thirty-six sub-blocks were relinquished in March 1998 and thirty-six sub-blocks were retained.

There are a number of exclusions, these being M.L.s held by prospectors chasing alluvial gold.

1.3 Land Usage and Access

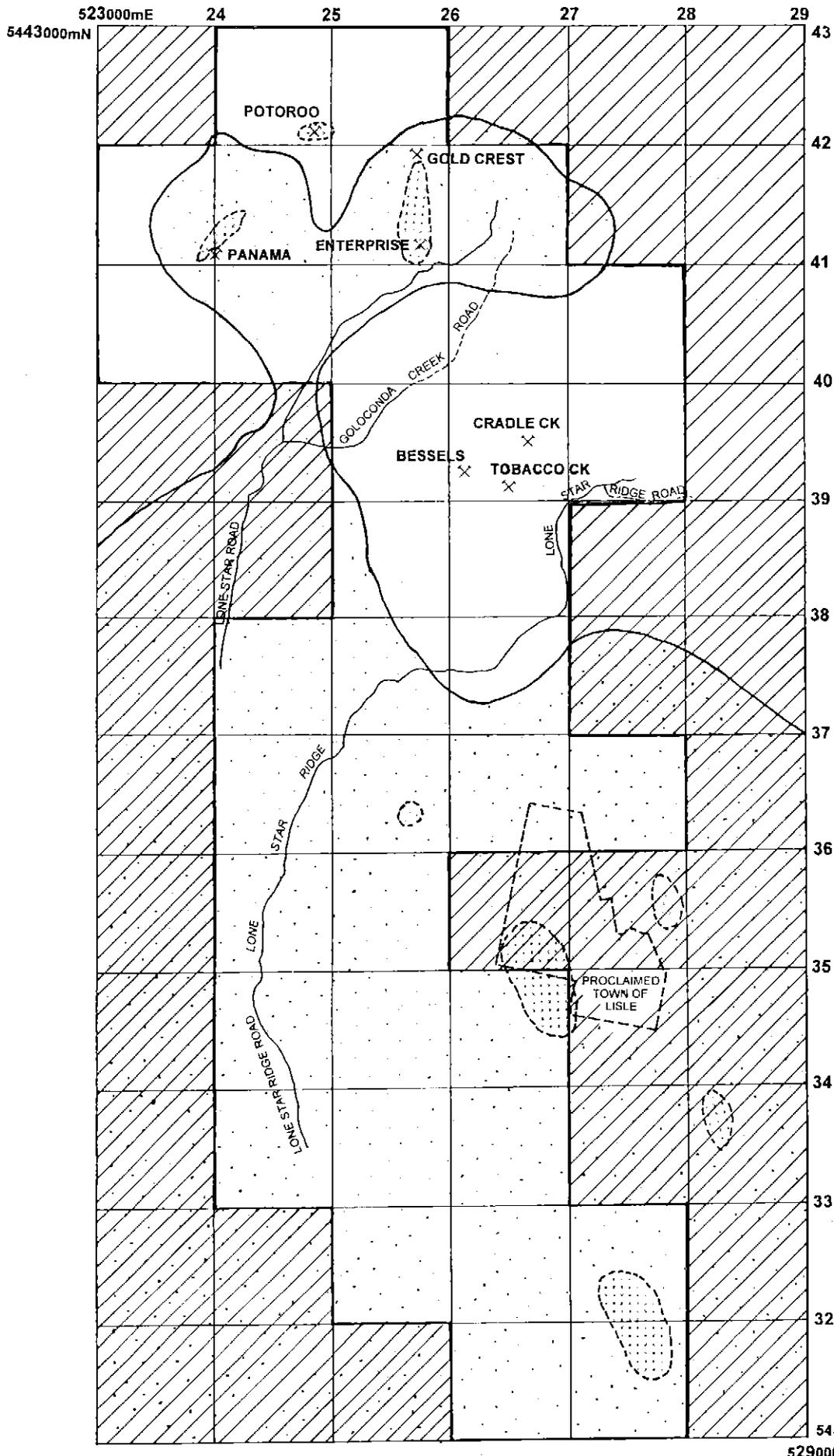
The area is largely used for forestry with extensive pine plantations and areas of old and regrowth dry and wet sclerophyll forest. The northern third of the E.L. contains a number of farms and private land-holdings, however, in general these lie on relatively unprospective ground.

The E.L. is serviced by a bitumen road to the north and an unsealed road to the south. Within the E.L. numerous forestry roads provide good access to most of the prospective areas.

1.4 Topography

The maximum relief of the area is 400 m. The main Lisle goldfield occupies a basin-like depression with steep ridges ringing it on all sides except to the north where the Lisle Creek passes through a gorge. The Lone Star and Panama goldfields occupy similar but smaller depressions.

The steep slopes are generally covered by talus deposits which obscure the bedrock geology.



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 AREA RELINQUISHED 30/1/98 36km²

5 cm

1000 750 500 250 0 1000m

 **MACMIN N.L.**
 EL 2/92 LISLE
 PROSPECT LOCATIONS

2. GEOLOGY

2.1 Geological Summary

The oldest rocks are Ordovician to Early Devonian Mathinna Beds consisting of quartz-wacke to pelitic turbidites. These were multiply folded in the mid Devonian prior to being intruded by granitic to dioritic rocks of the Scottsdale batholith forming contact metamorphic aureoles.

Sediments in these metamorphic aureoles are spotty or hornfelsed with the black hornfelsed rocks probably representing metamorphosed black shales.

Unconformably overlying these rocks are Permian sediments, which have been largely removed by erosion and are now only seen in the south-west corner of the licence.

Tertiary basalts outcrop in the far north-east and south-east of the E.L. and occupy palaeo-topographic lows.

Primary gold mineralisation is generally considered to be syn-tectonic with perhaps some remobilisation associated with the granitic intrusions.

The source of the alluvials in the Lisle basin is the source of much conjecture and is not considered here.

2.2 Ore Deposit Model

The regional "model" which MACMIN considers most applicable to EL 2/92 is the Tasmania Reef (held by Beaconsfield Gold N.L.). This model consists of a quartz + carbonate + sulphide filled fracture that is transgressive to the host sediments and is fault controlled. The reef varies in width from less than 1 m to approximately 5 m and has a strike length of 350 to 400 m. The mine operated from 1877 to 1914 and produced 840,000 ounces of gold from 1.38 million tonnes of ore (head grade of 24.6 g/t Au). Beaconsfield has published an indicated and inferred resource of 650,000 tonnes at 22.5 g/t Au (470,000 ounces) from the level of the historic workings down an additional 250m. In addition, mineralised drill intersections have been encountered a further 200m down giving a system with a minimum depth extent of 850 m and a good probability of having a resource (historic total) with greater than 1.5 million ounces of gold.

There are broad geological similarities between the Beaconsfield and Lisle areas.

The principal target in the Lisle area is gold mineralised (high grade) veins with widths comparable to the Tasmania Reef. In addition, several other styles of gold mineralisation are possible and these include sheeted veins, quartz stockworks and bulk mineable disseminated gold deposits.

3. PREVIOUS EXPLORATION

Charles Bessell initially discovered gold in the Lisle area in the 1870's. Past production was mainly from alluvials with minimal production from small high-grade veins.

Modern exploration has been pursued intermittently since 1976 by several companies; details are outlined in MACMIN's 1993 Annual Report for EL 2/92.

4. EXPLORATION CARRIED OUT DURING THE LAST 12 MONTHS

4.1 Excavator Trenching (figs 2 & 3)

During July 1998, 1354 m of excavator trenching was undertaken at the Potoroo (Panama E.) and Enterprise prospects as follow-up exploration of Au / As anomalies discovered by auger sampling. A 20 tonne excavator (with a 1 m bucket) hired from and operated by W.M. and J.L. Johnson Pty Ltd (Bridport) was used, cutting to solid rock or to a depth of 6 m into weathered rock or overburden. Although the source of the anomalism was unknown, it was suspected to be either granite or quartz veins within either Mathinna Beds or granite, or both. A total of 387 samples were taken, including 16 samples of quartz vein material. The walls of the Potoroo trenches were sampled over 2 m lengths and individual samples assayed. Exposed bedrock in the Enterprise trenches was channel sampled by diamond saw over 4 m lengths; pairs of samples were then composited, resulting in assays averaged over 8 m lengths. All samples were assayed for Au and As by Analabs (Burnie, Tasmania), with detection limits of 2 ppb and 1 ppm respectively.

During September - October 1998, a trenching program was undertaken at the Potoroo and Gold Crest prospects to test for extensions to zones of known gold anomalism. A 10 tonne excavator with a 600 mm bucket was hired from Terry Heazlewood of Launceston, which proved to be very efficient in its digging capabilities as well as highly manoeuvrable across the terrain.



MACMIN N.L.

EL 2/92 LISLE

**Potoroo Prospect
Trench & Excavator Pit
Sample Locations**

By T.Grigson 11/11/98 1:3000

printed 14/6/99

5 cm

- Excavator Pit
- Track
- Creeks
- Topographic Contours
- Trench



5442500N

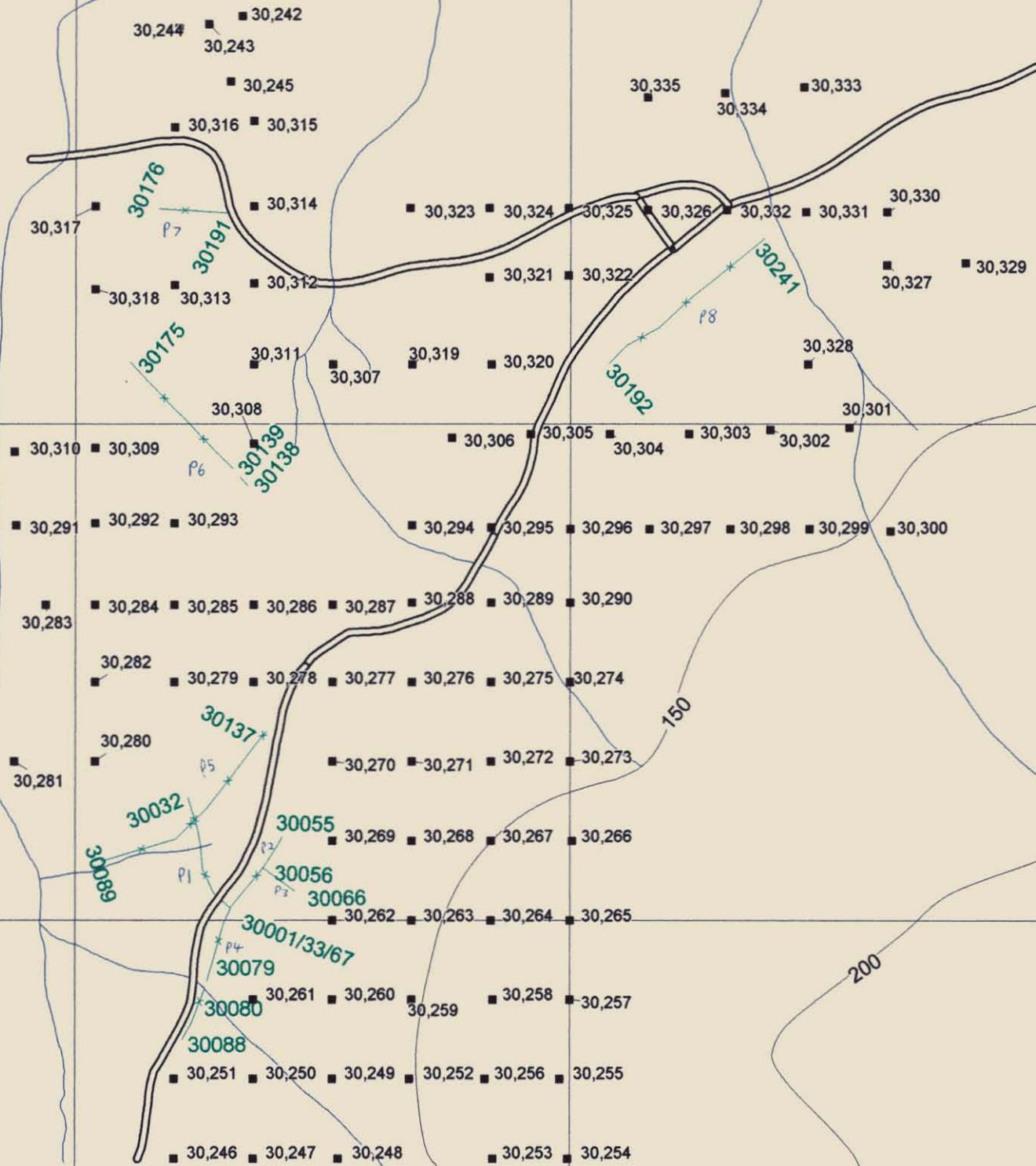
5442250N

5442000N

524750E

525000E

525250E



590009

Fig 2

Individual 2 m samples from the trench floors were sampled and then composited for assay depending on the lithology and/or location: 2 m composites for granite and 8m composites for Mathinna Beds material. Samples were analysed by Amdel laboratories, Adelaide, using aqua regia digest and ICP-MS measurement for Au, As and Ag (detection limits 0.001, 1 and 0.1 ppm respectively). Duplicates of the first 20 samples from Potoroo trench P5 were despatched to Analabs (Burnie) to cross-check the effectiveness of the 30 gm fire assay (Au) and hydride extraction (As) techniques (detection limits 0.01 and 50 ppm respectively). Assays of sampling are summarised in the following sections.

Table 1: Statistics of Trenching Activities

	Prospect	Trench No.	Length (m)	Samples	Assays*	Vein Samples
PROGRAM 1	Potoroo	1	64	32	32	4
		2	50	23	23	3
		3	25	11	11	1
		4	74	22	22	-
	Enterprise	5	431	107	54	5
		6	85	21	11	-
		7	455	113	57	-
		8	170	42	21	3
	Total		1354	371	231	16
	PROGRAM 2	Potoroo	P 5	98	49	49
P 6			73	37	10	
P 7			32	16	4	
P 8			100	50	13	
Gold Crest		GC 9	53	11	11	
		GC 10	22	4	4	
		GC 11	10	8	8	
		GC 12	46	17	17	
Total		*	434	192	116	

* No. Assays < No. Samples due to composited samples for Enterprise trenches

4.2 Excavator Pitting (fig 2)

At Potoroo 95 pits were excavated on a grid using the 10 tonne excavator used for the trenches. Shallow pits, approximately 2m x 2m, were dug to a variable depth of 0.8 – 4.5m to enable a bedrock sample to be collected. At some locations bedrock could not be reached where the valley fill was particularly deep.

The pits were excavated on a 40m x 40m grid with minor adjustments where necessary. Individual pit samples consisted of an approximately 1m grab from the bottom of the pit. A total of 89 samples were collected, one from the bottom of each pit and sent for analysis. Each sample was assayed for Au, As and Ag.

4.3 Results – Potoroo Prospect

(Assays and detailed sample locations are presented in appendices 1 – 3)

Trench 1:

The base of Trench 1 penetrated strongly weathered fine-grained granite for almost the entire length of the trench. A significant portion of the trench walls contained "valley fill" (scree) material consisting of angular clasts of Mathinna Beds rock and rare quartz in a clayey soil matrix. The contact between the granite and the valley fill formed a concave-upwards shape in profile, inferring that the scree material infilled a channel within the eroded surface of the granite. Numerous narrow quartz veins (0.5 to 15 cm width) exposed within the granite were truncated at the contact with the valley fill. Strikes of veins averaged around 050°/230° (56%), 005°/185° (33%) and 100°/280° (11%), but minor variations in strike within these groups were up to $\pm 20^\circ$. Veins hosting Au > 1 ppm were members of the first two groupings. Quartz veins had textures typical of mesothermal quartz and no vughs or cavities were observed. Most veins had some hematite and/or limonite staining and a few of the coarser veins contained visible arsenopyrite up to 40% accompanied by pale green scorodite (a weathering product of arsenopyrite).

Assays indicate Au abundances in Trench 1 exceed 0.2 ppm in 13 of 32 samples, averaging 1.2 ppm between 2 and 22 m. 7 samples returned assays with Au > 1 ppm, including 8 consecutive metres averaging 2.3 ppm. The 64 metres of trench (32 samples) averaged 0.55 ppm Au. As averaged 1443 ppm for the length of the trench, with values to 1.01% (20 - 22 m).

Trench 2:

Strongly weathered fine-grained granite, overlain by a blanket of "valley fill" scree to 3 m thick, was exposed along the entire length of Trench 2. Sets of

fine quartz veins (to 4 cm wide) were intersected in the sections 4 - 11 m and 30 - 44 metres. Some of these veins contained moderate hematite and/or limonite staining but no sulphide minerals were observed, although one vein (at 30053) contained pale green staining considered to be due to scorodite.

Although the first 12 metres each contained >0.19 ppm Au (average 0.6 ppm, peak assay 1.99 ppm), Au abundances were generally low (average 0.26 ppm for the 46 m length of the trench). While these values are anomalous, there is a strong indication that the Au (and As) abundances are only strongly elevated in the vicinity of quartz veins. As abundances are very low except for samples associated with a 4 cm quartz vein carrying 5.94% As.

Trench 3:

In Trench 3, deeply weathered fine grained granite was exposed beneath a 1 - 2 metre blanket of "valley fill" scree. No structural features except for 5 very fine quartz veins (to 1 cm wide) were observed in a 10 metre interval from 6 - 16 m.

The first 14 m of trench 3 returned an average Au grade of 0.14 ppm (peak 0.188 ppm) whereas the subsequent 8 m returned an average of only 0.034 ppm Au. As abundances were extremely low except for the final sample which returned 855 ppm As (0.052 ppm Au).

Trench 4:

At its eastern end, Trench 4 briefly exposed a contact between the granite (deeply weathered) and the Mathinna Beds, both of which are overlain by "valley fill" scree. The paleotopography of the Mathinna Beds (perhaps controlled by the intensity of hornfelsing) contained a large depression which has been infilled by two types of alluvial material - the familiar "valley fill" scree, which in turn has been infilled by another alluvium (mapped as "VF2") consisting of coarser, more rounded cobbles of Mathinna Beds material. A short exposure of granite was intersected, partly in contact with Mathinna Beds and partly overlain by scree, at the maximum depth of the trench (6 m). The relative orientations of the contacts exposed in this trench indicate a steep E-W undulation in the interface between the Mathinna Beds and granite. No quartz veins were observed. Trench P5 revealed Au and As anomalism is concentrated around the set of mineralised quartz veins intersected in the previous trenching program. Trench P5 contained a 48 m interval averaging 0.39 ppm including 26 m at 0.55 ppm; Trench P6 (Mathinna Beds) averaged 0.023 ppm Au and 16 ppm As; Trench P7 (Mathinna Beds) averaged 0.006 ppm Au and 27.6 ppm As; Trench P8 (Mathinna Beds) averaged 0.01 ppm Au and 199 ppm As including a high of 0.02 ppm Au and 850 ppm As. The highest assays for the pit samples (all in

Mathinna Beds) were 0.053 ppm Au and 750 ppm As (separate samples); average assays for the pits were generally very low but a distinct anomaly exists across the SW corner of the grid and is open to the SW.

The only intersections of Au > 0.1 ppm were within the first exposure of granite and within silicified Mathinna Beds at the SW end of the trench. Interestingly, the granite in the deepest part of the trench returned only 0.020 ppm, one of the lowest assays of the Potoroo program. This sample is adjacent to the alluvials, which have the fastest rate of groundwater flow encountered at Potoroo. Arsenic abundances are low except for where the Mathinna Beds host an increased abundance of silicified joints (peak 1211 ppm As).

Table 2: Au, As assays for quartz veins, Potoroo.

Trench	Vein Location	Au (ppm)	As (%)
1	30011	9.380	7.66
	30023	0.424	0.55
	30025	1.290	2.85
	30027	0.505	0.64
2	30036	0.249	0.03
	30053	1.97	5.94
	30055	0.04	0.04
3	30063	0.06	0.08

Interpretation:

Elevated abundances of both Au and As appear to relate directly to the presence of quartz veins, the maximum intensities (and widths) of which were intersected by Trench 1. Trenches 2,3 and 4 appear to have declining abundances of both Au and As away from the focus of quartz veination; both the grades and widths of quartz veins decrease with distance away from Trench 1. It would appear that the gold mineralisation at Potoroo is probably coincident with the introduction of quartz veins some time after consolidation of the host granite. The general strikes of quartz veins were predominantly 050°/230° (47%), 170°/350° (36%) and 100°/280° (17%); the first two of these orientations appear to be the dominant host of Au/As mineralisation. To date it has not been possible to determine the extent to which the quartz veins may have penetrated the Mathinna Beds overlying mineralised granite. If the hornfels were much more competent than the granite it is feasible to consider that the mineralising fluids could not migrate too far out of the granite, resulting in localised disseminated mineralisation within the granite. At this stage of exploration it is unknown whether supergene enrichment is

responsible for the anomalous Au values returned for granite that has not been dissected by quartz veins - such an assessment could only be made by drill testing at a future date.

Pits

Gold levels in the Potoroo pits varied from <1 to 53ppb Au. Arsenic levels were between 1.5 and 750ppm. Generally elevated Au and As levels coincided, but not always. The majority of anomalous pits lie to the north and south of trenches 1, 2, 3 and 4. These trenches also carry high Au values. The geology of the pits was not mapped in detail only noted by colour and type eg. Mathinna Beds. Granite was not noted in the pits but was intersected in some trenches. Elevated Au in the pits could be associated with quartz veining close to the Mathinna beds/granite contact.

4.4 Results – Enterprise/Gold Crest Prospect

(Assays and sample locations presented in appendices 1 & 4)

Trench 5:

Trench 5 was entirely within strongly-fractured hornfelsed Mathinna Beds, ranging in colour from pale pinkish-grey to dark brown and yellow-orange in more intensely weathered parts, notably shears. Throughout the length of the trench the floor profile undulates in an irregular shallow-deep pattern which reflects the intensity of minor shears intersected by the trench. Where not sheared, the hornfelsed Mathinna Beds is very hard and has retained its cohesion so that joint patterns are relatively clearly observed: dominant strikes of joints are 110°/290°, 010°/190°, 055°/235° and 140°/320°. The dominant strike of observed shears is 110°/290° with variable steep SW dip; width, intensity and frequency of shears is variable but the more intense shears tend to be clustered (no periodicity was apparent). The NE end of the trench intersected a 30 metre wide band of massive quartz veins individually up to 35 cm wide. Vein orientations are consistently around 290° strike (dip around 40° → 200°), sub-parallel to the shears and one of the major joints. Pinch-swell vein textures suggest that they are transtensional structures, with downthrow on the SW side. An additional connecting structure between adjacent veins dips around 35° → 090°, probably indicating synchronous dilation of the joint plane striking around 190°. No significant hydrothermal alteration was observed.

Assay averages for the trench are 0.019 ppm Au (high 0.06 ppm) and 40 ppm As (high 311 ppm). There is little difference between these values and those returned for both the quartz vein samples and the host-rock surrounding the veins.

Trench 6:

Trench 6 was entirely within strongly-fractured Mathinna Beds; no quartz veins were intersected. Shears, which are deeply weathered, predominantly strike around 300°. An intense shear was intersected near the eastern end of the trench. No significant hydrothermal alteration was observed.

Assay averages for the trench are 0.018 ppm Au (high 0.055 ppm) and 74 ppm As (high 169 ppm). Slightly elevated Au abundances were returned in more strongly sheared parts of the trench.

Trench 7:

Trench 7 was entirely within strongly-fractured Mathinna Beds. Shears, which are deeply weathered, predominantly strike around 300° and 055°-070°. A 25 cm quartz vein, striking 290°, was intersected at 190 m; no indication of sulphide mineralisation was observed. Zones of stronger hematite alteration were evident in the intervals around 124 - 210 m and from around 266 - 134 m. From 266 m the Mathinna Beds contains coarser sediments (equivalent to fine sandstone) which have been strongly hydrothermally altered (hematite/limonite/clay) to a deep purple-brown colour.

Assay averages for the trench are 0.051 ppm Au and 269 ppm As. Highlights were 0.249 ppm Au and 812 ppm As and a 140 m interval averaging 0.059 ppm Au and 399 ppm As (including a 20 m intersection averaging 0.177 ppm Au and 488 ppm As). Elevated Au and As are closely associated with stronger hydrothermal alteration; the coarser facies have been more strongly altered and host elevated abundances of Au and As.

Trench 8:

Trench 8 was entirely within highly-fractured Mathinna Beds. Strongly-weathered shears predominantly strike around 290° to 300°; the dominant strikes of joints are around 055°, 290°-320° and 360°. Quartz veins between 3 and 20 cm width were intersected at 6, 44 and 62 metres and striking around 290°-310°; no indication of sulphide mineralisation was observed.

Assay averages for the trench are 0.037 ppm Au (high 0.150 ppm) and 40 ppm As (high 142 ppm). There is no noteworthy difference between assays returned for the quartz vein samples and the host-rock surrounding the veins.

Table 3: Au, As assays for quartz veins, Enterprise.

Trench	Vein Location	Au (ppm)	As (ppm)
5	29371	0.006	95
	29372	0.005	98
	29374	0.008	34
	29378	<0.002	22
	29379	<0.002	10
8	29602	0.004	50
	29611	0.016	31
	29616	0.004	20

Trenches GC 9 - 11 inclusive were oriented downslope so as to intersect the Mathinna Beds - granite contact near the collar of diamond drill hole LSD-4; Trench GC 12 was oriented to intersect a Au anomaly discovered during the previous program. The granite in Trench GC9 averaged 0.42 ppm Au and 51 ppm As over 16 m whereas the Mathinna Beds in contact with the granite averaged 0.117 ppm Au and 593 ppm As over 18 m. In Trench GC 10, the Mathinna Beds averaged 0.103 ppm Au and 417 ppm As compared to the granite which averaged 0.135 ppm Au and 105 ppm As. Assays in Trench GC 11 were low but followed the same relative trend. Trench GC 12 (Mathinna Beds) averaged 0.072 ppm Au and 47.6 ppm As. A quartz vein in a newly-discovered adit returned 0.83 ppm Au, 2.9 ppm Ag and 7050 ppm As whereas a channel sample from the (altered) granite wall returned 1.14 ppm Au, 0.3 ppm Ag and 1850 ppm As.

Interpretation:

The assays returned for most of the trench samples were only slightly anomalous, with the exception of the extensive anomalous zone in Trench 7. There does not appear to be any relationship between structural features and Au or As abundances. Any mineralisation present appears to be disseminated within the hornfels: the coarser facies intersected from 29484 (266 m) to near the end of Trench 7 appear to have undergone stronger hydrothermal alteration than the finer facies which form the bulk of the rock. The coarser grain size of these metasediments could imply larger pore size and thereby permit greater through-flow of hydrothermal fluids; being more juvenile than the finer-grained facies, it would be expected that the sediments would contain a greater proportion of reactive minerals (e.g. feldspars and ferromagnesian silicates) and other sediments capable of interacting more strongly with the hydrothermal fluids. There is no compelling evidence to suggest that there is any supergene concentration of Au or As in the shears and there is no correlation between quartz veins and Au / As abundances

within the Mathinna Beds. There is insufficient data on the prospect to date to determine whether the Au and As abundances are within a standard background range for the Mathinna Beds or are slightly anomalous. The concentration of veins and their textures may represent a brecciated fault zone intersected in Trench 5; the orientation of these veins is not sympathetic with those of the mineralised veins intersected at Potoroo.

5. CONCLUSION

Recent trenching at Potoroo and Gold Crest/Enterprise increased the understanding of the prospect geology and mineralisation controls in addition to extending the zones of known mineralisation. A total of 1788 m of continuous trenching (516 m at Potoroo and 1272 m at Gold Crest) was undertaken; 95 small sample pits were also excavated at Potoroo. At Potoroo, the extent of granite-hosted disseminated gold mineralisation has been increased; mineralisation is still open to the south and southwest of the grid area where follow-up exploration is required. At Gold Crest, the relationship between granite intersected by diamond drill hole LSD-4 and the overlying Mathinna Beds and scree material was defined by a set of parallel down-slope trenches which also intersected disseminated mineralisation within the granite; this information also deserves follow-up exploration, as the zone of mineralisation intersected by the trenches is still poorly defined.

6. DISCUSSION

Potoroo:

Additional trenching in the floor of the Panama Valley would help to map (a) the distribution of granite and overlying facies (including contacts between granite and Mathinna Beds), (b) to determine whether mineralisation is disseminated and vein-hosted, or if the granite is barren but the mineralisation is solely due to the vein system, and (c) the relationships between mineralised veins at Potoroo and elsewhere in Panama. Exploration could be focussed by integrating topographic, air photo and aeromagnetic interpretations.

Enterprise:

There is sufficient evidence to assume that granite is not far from the surface at Enterprise (Gold Crest) e.g. the aeromagnetic data, the intensity of hornfels, diamond drill core (from near trenches 7 and 8 which intersected mineralised granite at shallow depths) and the elevated Au/As assays in Trenches 7 and 8. Since it was not possible to penetrate the hornfelsed Mathinna Beds with the excavator, any search for near-surface granite would have to be undertaken by a relatively inexpensive drilling program (probably

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using RAB or air-track) with exploration focussed on the established trench anomalies. Given the extent of the anomaly intersected in Trench 7, together with the assays returned from the diamond drill core, a reconnaissance drilling program targeted at granite below the anomalies hosted by the Mathinna Beds is recommended.

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E.L. 2/92 – LISLE

**ANNUAL REPORT FOR THE YEAR ENDED
24TH JULY 1999**

Appendix 1.

Laboratory Assay Sheets for Trenches and Pits

590020

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Appendix 2.

Potoroo Prospect

Grid Pit Sample Ledger and Trench Sample Ledgers

590021

E.L. 2/92 – LISLE

**ANNUAL REPORT FOR THE YEAR ENDED
24TH JULY 1999**

Appendix 3.

Potoroo Prospect
Trench Cross-sections

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E.L. 2/92 – LISLE

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Appendix 4.

Gold Crest Prospect
Trench Cross-sections

590023

E.L. 2/92 – LISLE

**ANNUAL REPORT FOR THE YEAR ENDED
24TH JULY 1999**

Appendix 1.

Laboratory Assay Sheets for Trenches and Pits



Our reference : BU014921
 Your reference : E2920015
 Project code : Trench
 Report date : 31/07/98
 Report status : Final
 Page : 1 of 2

Analabs Pty. Ltd.
 ACN 004 591 664
 14 Thirkell St, Burnie
 Tasmania 7320
 Telephone : (004) 31 6837
 Facsimile : (004) 31 8890

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ANALYTICAL DATA

Sample	Au	Au(R)	Au	As	As	As
30001	157	158	--	13	--	--
30002	453	--	--	1	--	--
30003	508	--	--	38	--	--
30004	514	--	--	49	--	--
30005	455	--	--	> 100	149	--
30006	291	--	--	68	--	--
30007	565	--	--	> 100	185	--
30008	> 1000	--	2.11	> 100	906	--
30009	> 1000	--	3.41	> 100	3443	--
30010	> 1000	--	2.08	> 100	3200	--
30011	> 1000	--	1.60	> 100	> 5000	1.01
30012	55	55	--	> 100	1114	--
30013	57	--	--	> 100	1149	--
30014	141	--	--	77	--	--
30015	47	--	--	> 100	130	--
30016	74	--	--	82	--	--
30017	590	575	--	> 100	612	--
30018	42	42	--	28	--	--
30019	19	19	--	> 100	1018	--
30020	176	--	--	> 100	2378	--
30021	> 1000	--	1.16	> 100	2887	--
30022	175	182	--	> 100	964	--
30023	193	--	--	> 100	3016	--
30024	392	--	--	> 100	3553	--
30025	> 1000	--	1.22	> 100	> 5000	0.92
30026	159	--	--	> 100	843	--
30027	146	--	--	> 100	647	--
30028	116	--	--	> 100	321	--
30029	106	--	--	> 100	366	--
30030	65	65	--	21	--	--
30031	162	--	--	54	--	--
30032	313	--	--	35	--	--
30033	191	--	--	11	--	--
30034	337	322	--	6	--	--
30035	301	--	--	10	--	--
30036	519	--	--	3	--	--
30037	290	303	--	< 1	--	--
30038	> 1000	> 1000	1.99	9	--	--
30039	76	--	--	5	--	--
30040	68	--	--	3	--	--
30041	45	--	--	5	--	--
30042	235	--	--	4	--	--
30043	261	--	--	5	--	--
30044	126	--	--	< 1	--	--
30045	216	--	--	6	--	--
30046	84	--	--	9	--	--
30047	322	--	--	5	--	--
30048	91	--	--	9	--	--
30049	134	--	--	8	--	--
30050	52	--	--	6	--	--
Method Units	F614 ppb	F614 ppb	F630 ppm	H102 ppm	A102 ppm	A103 %
Detection Limit	2	2	0.01	1	50	0.01

Notes: N.A. = not analysed, -- = element not determined, I.S. = insufficient sample, L.N.R. = listed not received



Our reference : BU014921
 Your reference : E2920015
 Project code : Trench
 Report date : 31/07/98
 Report status : Final
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590020

Analabs Pty. Ltd.
 ACN 004 591 664
 14 Thirkell St. Burnie
 Tasmania 7320
 Telephone : (004) 31 6837
 Facsimile : (004) 31 8890

ANALYTICAL DATA

Sample	Au	Au(R)	Au	As	As	As
30051	54	--	--	1	--	--
30052	39	--	--	> 100	355	--
30053	472	--	--	> 5000	> 5000	0.98
30054	31	28	--	> 100	116	--
30055	18	--	--	33	--	--
30056	186	--	--	11	--	--
30057	188	197	--	10	--	--
30058	116	128	--	6	--	--
30059	134	127	--	10	--	--
30060	112	--	--	8	--	--
30061	85	--	--	40	--	--
30062	154	--	--	6	--	--
30063	34	--	--	6	--	--
30064	16	22	--	< 1	--	--
30065	35	--	--	26	--	--
30066	52	--	--	> 100	835	--
30067	270	--	--	25	--	--
30068	197	--	--	9	--	--
30069	34	--	--	> 100	132	--
30070	68	--	--	> 100	307	--
30071	15	12	--	52	--	--
30072	25	--	--	50	--	--
30073	29	--	--	15	--	--
30074	27	--	--	21	--	--
30075	23	--	--	20	--	--
30076	17	18	--	79	--	--
30077	31	30	--	34	--	--
30078	66	--	--	> 100	167	--
30079	58	--	--	43	--	--
30080	20	--	--	29	--	--
30081	37	36	--	> 100	151	--
30082	47	--	--	> 100	793	--
30083	15	12	--	> 100	487	--
30084	21	22	--	85	--	--
30085	13	--	--	65	--	--
30086	33	--	--	69	--	--
30087	158	155	--	> 100	1211	--
30088	137	126	--	> 100	1117	--
Method Units Detection Limit	F614 ppb 2	F614 ppb 2	F630 ppm 0.01	H102 ppm 1	A102 ppm 50	A103 % 0.01

Notes: N.A. = not analysed, -- = element not determined, I.S. = insufficient sample, L.N.R. = listed not received



Our reference : BU014920
 Your reference : E2920016
 Project code : Trench
 Report date : 31/07/98
 Report status : Final
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590027

Analabs Pty. Ltd.
 ACN 004 591 664
 14 Thirkell St, Burnie
 Tasmania 7320
 Telephone : (004) 31 6837
 Facsimile : (004) 31 8890

ANALYTICAL DATA

Sample	Au	Au(R)	As	As		
29280-29281	16	15	<1	--		
29282-29283	13	11	8	--		
29284-29285	38	38	7	--		
29286-29287	53	53	14	--		
29288-29289	47	46	18	--		
29290-29291	32	--	30	--		
29292-29293	21	--	7	--		
29294-29295	30	--	33	--		
29296-29297	10	11	2	--		
29298-29299	6	8	9	--		
29300-29301	42	--	12	--		
29302-29303	14	--	85	--		
29304-29305	3	--	39	--		
29306-29307	40	--	>100	150		
29308-29309	38	--	96	--		
29310-29311	13	--	76	--		
29312-29313	4	--	31	--		
29314-29315	9	8	30	--		
29316-29317	5	5	8	--		
29318-29319	23	--	97	--		
29320-29321	39	--	31	--		
29322-29323	11	--	25	--		
29324-29325	27	--	24	--		
29326-29327	28	29	24	--		
29328-29329	38	--	38	--		
29330-29331	20	--	43	--		
29332-29333	17	14	33	--		
29334-29335	12	--	15	--		
29336-29337	8	--	47	--		
29338-29339	12	--	40	--		
29340-29341	5	--	16	--		
29342-29343	13	--	10	--		
29344-29345	5	4	27	--		
29346-29347	8	8	22	--		
29348-29349	2	<2	21	--		
29350-29351	8	--	15	--		
29352-29353	15	15	31	--		
29354-29355	24	24	49	--		
29356-29357	28	26	43	--		
29358-29359	19	18	43	--		
29360-29361	50	--	37	--		
29362-29363	6	5	15	--		
29364-29365	19	16	33	--		
29366-29367	37	--	>100	311		
29368-29369	9	--	20	--		
29370-29371	4	--	26	--		
29372-29373	<2	--	24	--		
29374-29375	15	--	49	--		
29376-29377	6	--	46	--		
29378-29379	2	3	36	--		
Method Units	F614	F614	H102	A102		
Detection Limit	ppb 2	ppb 2	ppm 1	ppm 50		

Notes: N.A. = not analysed, -- = element not determined, I.S. = insufficient sample, L.N.R. = listed not received



Our reference : BU014920
 Your reference : E2920016
 Project code : Trench
 Report date : 31/07/98
 Report status : Final
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590028

Analabs Pty. Ltd.
 ACN 004 591 664
 14 Thirkell St, Burnie
 Tasmania 7320
 Telephone : (004) 31 6837
 Facsimile : (004) 31 8890

ANALYTICAL DATA

Sample	Au	Au(R)	As	As		
29380-29381	2	--	22	--		
29382-29383	10	--	91	--		
29384-29385	60	--	71	--		
29386	17	--	20	--		
29387-29388	3	--	52	--		
29389-29390	47	--	> 100	111		
29391-29392	17	19	94	--		
29393-29394	6	5	96	--		
29395-29396	10	10	70	--		
29397-29398	19	16	70	--		
29399-29400	11	11	90	--		
29401-29402	6	5	49	--		
29403-29404	6	--	30	--		
29405-29406	55	--	> 100	169		
29407	16	13	37	--		
29410-29411	14	--	29	--		
29412-29413	17	--	68	--		
29414-29415	47	--	56	--		
29416-29417	31	--	33	--		
29418-29419	9	--	5	--		
29420-29421	8	--	32	--		
29422-29423	16	--	39	--		
29424-29425	25	--	81	--		
29426-29427	50	--	> 100	207		
29428-29429	100	--	> 100	1540		
29430-29431	12	11	> 100	406		
29432-29433	6	6	99	--		
29434-29435	8	--	> 100	159		
29436-29437	20	--	> 100	430		
29438-29439	27	--	> 100	223		
29440-29441	16	--	> 100	162		
29442-29443	50	--	> 100	168		
29444-29445	41	--	> 100	338		
29446-29447	35	33	> 100	556		
29448-29449	22	--	> 100	713		
29450-29451	20	--	> 100	155		
29452-29453	57	--	> 100	297		
29454-29455	56	--	> 100	531		
29456-29457	58	--	> 100	956		
29458-29459	55	--	> 100	1017		
29460-29461	31	34	> 100	493		
29462-29463	59	--	> 100	171		
29464-29465	36	--	> 100	380		
29466-29467	48	--	> 100	379		
29468-29469	74	71	> 100	926		
29470-29471	73	72	> 100	717		
29472-29473	42	--	> 100	136		
29474-29475	17	--	70	--		
29476-29477	16	--	> 100	117		
29478-29479	25	--	48	--		
Method Units	F614 ppb	F614 ppb	H102 ppm	A102 ppm		
Detection Limit	2	2	1	50		

Notes: N.A. = not analysed, -- = element not determined, I.S. = insufficient sample, L.N.R. = listed not received



Our reference : BU014920
 Your reference : E2920016
 Project code : Trench
 Report date : 31/07/98
 Report status : Final
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590029

Analabs Pty. Ltd.
 ACN 004 591 664
 14 Thirkell St, Burnie
 Tasmania 7320
 Telephone : (004) 31 6837
 Facsimile : (004) 31 8890

ANALYTICAL DATA

Sample	Au	Au(R)	As	As		
29480-29481	26	--	78	--		
29482-29483	49	--	56	--		
29484-29485	47	--	> 100	544		
29486-29487	172	176	> 100	812		
29488-29489	122	126	> 100	731		
29490-29491	200	--	> 100	163		
29492-29493	249	--	> 100	189		
29494-29495	142	--	92	--		
29496-29497	47	44	66	--		
29498-29499	20	--	21	--		
29500	34	--	27	--		
29579-29580	66	--	39	--		
29581-29582	30	--	53	--		
29583-29584	24	25	46	--		
29585-29586	44	45	> 100	199		
29587-29588	49	--	> 100	129		
29589-29590	46	--	36	--		
29591-29592	47	--	25	--		
29593-29594	46	--	31	--		
29595-29596	38	--	24	--		
29597-29598	32	--	74	--		
29599-29600	126	132	37	--		
29601-29602	16	--	32	--		
29603-29604	17	--	28	--		
29605-29606	48	--	> 100	117		
29607-29608	59	--	> 100	142		
29609-29610	25	--	> 100	131		
29611-29612	70	--	89	--		
29613-29614	39	--	56	--		
29615-29616	29	30	29	--		
29617-29618	20	--	29	--		
29619-29620	30	--	3	--		
29621-29622	22	--	12	--		
29623-29624	12	11	1	--		
29625-29626	16	19	14	--		
29627-29628	20	--	11	--		
29629-29630	23	--	9	--		
29631-29632	52	--	52	--		
29633-29634	150	148	6	--		
29635-29636	49	--	4	--		
29637-29638	22	--	14	--		
29639-29640	37	--	11	--		
29641-29642	13	14	59	--		
Method	F614	F614	H102	A102		
Units	ppb	ppb	ppm	ppm		
Detection Limit	2	2	1	50		

Notes: N.A. = not analysed, -- = element not determined, I.S. = insufficient sample, L.N.R. = listed not received

Table 3: Assays for Trench P 5

Trench N°	Sample N°	Interval (m)	Au	As	Ag
P 5	30089	0 - 2	450	750.0	0.5
	30090	2 - 4	160	900.0	0.2
	30091	4 - 6	200	850.0	0.3
	30092	6 - 8	480	700.0	0.2
	30093	8 - 10	260	650.0	0.2
	30094	10 - 12	210	1300.0	0.2
	30095	12 - 14	50	1100.0	0.2
	30096	14 - 16	19	950.0	<0.1
	30097	16 - 18	970	2550.0	0.2
	30098	18 - 20	2130	1.22 %	10.0
	30099	20 - 22	26	650.0	<0.1
	30100	22 - 24	34	1600.0	<0.1
	30101	24 - 26	720	1.10 %	1.8
	30102	26 - 28	110	2100.0	0.2
	30103	28 - 30	430	5750.0	2.2
	30104	30 - 32	110	2600.0	0.2
	30105	32 - 34	660	2450.0	2.3
	30106	34 - 36	520	5900.0	2.2
	30107	36 - 38	290	1150.0	0.2
	30108	38 - 40	650	5450.0	0.8
	30109	40 - 42	510	1.26 %	2.4
	30110	42 - 44	54	1400.0	<0.1
	30111	44 - 46	220	3550.0	0.5
	30112	46 - 48	51	1800.0	<0.1
	30113	48 - 50	13	1000.0	<0.1
	30114	50 - 52	14	850.0	<0.1
	30115	52 - 54	20	650.0	<0.1
	30116	54 - 56	31	410.0	<0.1
	30117	56 - 58	10	260.0	<0.1
	30118	58 - 60	10	200.0	<0.1
	30119	60 - 62	17	270.0	<0.1
	30120	62 - 64	13	135.0	<0.1
	30121	64 - 66	40	52.0	<0.1
	30122	66 - 68	120	500.0	<0.1
	30123	68 - 70	15	210.0	<0.1
	30124	70 - 72	8	77.0	<0.1
	30125	72 - 74	4	56.0	<0.1
30126	74 - 76	13	47.0	<0.1	
30127	76 - 78	49	320.0	<0.1	
30128	78 - 80	10	310.0	<0.1	
30129	80 - 82	26	110.0	<0.1	
30130	82 - 84	17	14.0	<0.1	
30131	84 - 86	5	22.5	<0.1	
30132	86 - 88	13	14.0	<0.1	
30133	88 - 90	15	47.0	<0.1	
30134	90 - 92	27	63.0	<0.1	
30135	92 - 94	19	21.0	<0.1	
30136	94 - 96	14	23.5	<0.1	
30137	96 - 98	17	100.0	<0.1	

590031

Table 4: Composite Assays for Trenches P 6 - 8 inclusive.

Trench N°	Sample N°	Sample Range	Interval (m)	Au	As	Ag
P 6	C 30139	30139 - 30142	0 - 8	10	7.0	0.1
	C 30143	30143 - 30146	8 - 16	4	1.5	<0.1
	C 30147	30147 - 30150	16 - 24	4	7.5	<0.1
	C 30151	30151 - 30154	24 - 32	5	6.0	<0.1
	C 30155	30155 - 30158	32 - 40	4	4.5	<0.1
	C 30159	30159 - 30162	40 - 48	11	15.0	<0.1
	C 30163	30163 - 30166	48 - 56	22	12.0	<0.1
	C 30167	30167 - 30170	56 - 64	27	7.5	<0.1
	C 30171	30171 - 30174	64 - 72	22	12.0	<0.1
	C 30175	30175 - 30175	72 - 74	20	32.5	<0.1
P 7	C 30176	30176 - 30179	0 - 8	4	53.0	<0.1
	C 30180	30180 - 30183	8 - 16	6	37.0	<0.1
	C 30184	30184 - 30187	16 - 24	7	14.5	<0.1
	C 30188	30188 - 30191	24 - 32	8	6.0	<0.1
P 8	C 30192	30192 - 30195	0 - 8	4	120.0	<0.1
	C 30196	30196 - 30199	8 - 16	4	195.0	<0.1
	C 30200	30200 - 30203	16 - 24	5	120.0	<0.1
	C 30204	30204 - 30207	24 - 32	2	220.0	<0.1
	C 30208	30208 - 30211	32 - 40	5	82.0	<0.1
	C 30212	30212 - 30215	40 - 48	10	88.0	<0.1
	C 30216	30216 - 30219	48 - 56	24	59.0	<0.1
	C 30220	30220 - 30223	56 - 64	15	105.0	<0.1
	C 30224	30224 - 30227	64 - 72	17	390.0	<0.1
	C 30228	30228 - 30231	72 - 80	20	850.0	<0.1
	C 30232	30232 - 30235	80 - 88	10	200.0	<0.1
	C 30236	30236 - 30239	88 - 96	8	99.0	<0.1
	C 30240	30240 - 30241	96 - 100	4	58.0	<0.1

endix 4: Assays - Trench Samples, Gold Crest.

Table 3: Assays for Trenches GC 9 - 12 inclusive.

Trench N°	Sample N°	Interval (m)	Au	As	Ag
GC 9	29649	0 - 4	75	500.0	<0.1
	29650	4 - 8	94	700.0	<0.1
	29651	8 - 12	130	850.0	0.1
	29652	12 - 16	110	1450.0	<0.1
	29653	16 - 20	88	600.0	<0.1
	29654	20 - 24	130	350.0	<0.1
	29655	24 - 28	69	400.0	<0.1
	29656	28 - 32	150	300.0	<0.1
	29657	32 - 36	210	185.0	<0.1
	29658	36 - 38	770	100.0	<0.1
	29659	38 - 40	240	64.0	<0.1
	29660	40 - 42	380	45.0	<0.1
	29661	42 - 44	380	59.0	<0.1
	29662	44 - 46	210	44.5	<0.1
	29663	46 - 48	200	36.0	<0.1
29664	48 - 50	770	22.0	<0.1	
29665	50 - 52	410	39.0	<0.1	
GC 10	29666	0 - 4	84	650.0	<0.1
	29667	4 - 8	170	410.0	<0.1
	29668	8 - 10	54	190.0	<0.1
	29669	10 - 12	100	260.0	<0.1
	29670	12 - 14	270	79.0	<0.1
	29671	14 - 16	110	43.5	<0.1
	29672	16 - 18	110	65.0	<0.1
	29673	18 - 20	84	77.0	<0.1
GC 11	29674	0 - 2	31	230.0	<0.1
	29675	2 - 4	57	260.0	<0.1
	29676	4 - 6	93	170.0	<0.1
	29677	6 - 8	87	60.0	<0.1
GC 12	29678	0 - 4	24	45.0	<0.1
	29679	4 - 8	37	28.0	<0.1
	29680	8 - 12	28	53.0	<0.1
	29681	12 - 16	67	49.0	<0.1
	29682	16 - 20	41	37.5	<0.1
	29683	20 - 24	440	46.5	0.1
	29684	24 - 28	51	27.5	<0.1
	29685	28 - 32	35	19.0	<0.1
	29686	32 - 36	27	48.5	<0.1
	29687	36 - 40	13	93.0	<0.1
	29688	40 - 44	34	77.0	<0.1

Appendix 5: Comparison of ICP-MS (Amdel, Adelaide) and 30 g Fire Assays (Analabs, Burnie).
(Au, As = ppm except as indicated).

Table x: Comparison of Amdel and Analabs assays, Trench P 5.

Sample N°	Amdel		Analabs	
	Au	As	Au	As
30089	0.450	750	0.46	544
30090	0.160	900	0.19	842
30091	0.200	850	0.23	875
30092	0.480	700	0.35	617
30093	0.260	650	0.51	593
30094	0.210	1300	0.47	1359
30095	0.050	1100	0.07	883
30096	0.019	950	0.07	870
30097	0.970	2550	2.27	2439
30098	2.130	1.22 %	1.64	1.2 %
30099	0.026	650	0.01	561
30100	0.034	1600	0.03	1351
30101	0.720	1.10 %	1.18	0.62 %
30102	0.110	2100	0.20	1867
30103	0.430	5750	0.68	4996
30104	0.110	2600	0.17	2412
30105	0.660	2450	0.17	1597
30106	0.520	5900	0.53	3921
30107	0.290	1150	0.33	2256
30108	0.650	5450	0.47	4145
30109	0.510	1.26 %	0.87	0.8 %

590034

E.L. 2/92 - LISLE

**ANNUAL REPORT FOR THE YEAR ENDED
24TH JULY 1999**

Appendix 2.

Potoroo Prospect

Grid Pit Sample Ledger and Trench Sample Ledgers

MACMIN NL GRID PIT SAMPLE LEDGER

SAMPLE #	NORTHING	EASTING	DEP.	COMMENTS
30246	5441880	524800	1	OR CLAY SL ALT MB BROK
30247	5441880	524840	1	LT GRY PURP MB
30248	5441880	524880	3	BRN OR CLY SCREE (NOT VALLEY FILL)
30249	5441920	524880	0.8	LT PUURP/LT OR MB
30250	5441920	524840	3	LT YL WHT/OR ALT MB ABUND HEM
30251	5441920	524800	1.5	LT YL OR MB
30252	5441920	524920	1.5	LT YL OR/LT PURP MB
30253	5441880	524960	1	LT PURP MB (SHAFT/COSTEAN)
30254	5441880	525000	1	LT OR/LT PURP STRIPED MB COSTEAN 25m BRG 266M
30255	5441920	525000	1	LT OR MB
30256	5441920	524960	2	LT OR/LT PURP MB
30257	5441960	525000	1.5	PL OR PK MB
30258	5441960	524960	2	PL OR PK MB
30259	5441960	524920	1	LT OR MB
30260	5441960	524880	1	LT PK OR MB
30261	5441960	524840	3.5	VERY CONS VALLEY FILL
30262	5442000	524880	0.8	LT PURP MB
30263	5442000	524920	0.8	LT PURP MB
30264	5442000	524960	1	LT OR MB
30265	5442000	525000	1	LT PURP MB
30266	5442040	525000	1.3	LT OR MB
30267	5442040	524960	1.3	LT YL/OR/PURP ALT? MB
30268	5442040	524920	1.5	LT PURP MB
30269	5442040	524880	2	YL OR ALT MB
30270	5442080	524880	1.3	LT PURP MB
30271	5442080	524920	1.5	LT PURP/LT OR MB
30272	5442080	524960	1.3	LT PURP MB ABUND QZ FLOAT HAND DUG PIT @ 10m SOUTH
30273	5442080	525000	1.3	LT OR/WHT MB TCE QZ
30274	5442120	525000	1	PL PURP GRY MB SL SIL
30275	5442120	524960	3	DK BR OR CLY VALL FILL
30276	5442120	524920	1	PL YL OR MB
30277	5442120	524880	1.2	LT PURP MB
30278	5442120	524840	1	MOT PURP/GRY MB SLT ALT?
30279	5442120	524800	1	LT OR YL MB FLINTY SMELL
30280	5442080	524760	1	LT PURP/GRY BANDED SIL MB
30281	5442080	524720	1	LT PURP/LT OR MB
30282	5442120	524760	1	LT PURP MB
30283	5442160	524735	1	LT OR/LT PURP MB
30284	5442160	524760	1	LT PURP MB
30285	5442160	524800	1	MOT LT OR/LT PURP MB
30286	5442160	524840	4	MOT GRY/RD OR MB
30287	5442160	524880	2	LT OR MB
30288	5442160	524920	1.5	LT PURP GRY MB
30289	5442160	524960	4	V WELL CONS VALLEY FILL
30290	5442160	525000	1	LT OR MB
30291	5442200	524720	1.5	DK PURP BRN MB
30292	5442200	524760	1	LT BR PURP MB
30293	5442200	524800	1	LT YL OR MB
30294	5442200	524920	4.5	BOTTOMLESS V FILL MOT RD/GRY
30295	5442200	524960	1	YL OR MB
30296	5442200	525000	1	LT PK GRY MB
30297	5442200	525040	1	YL OR MB
30298	5442200	525080	1	OR YL MB
30299	5442200	525120	1	MOT LT OR/LT PURP MB

590036

30300	5442200	525160	1.3	LT YL OR MB
30301	5442240	525120	1.3	LT YL OR MB
30302	5442240	525080	1	LT YL OR MB
30303	5442240	525040	1	LT YL OR MB
30304	5442240	525000	1	LT YL OR MB
30305	5442240	524960	1	LT YL OR MB
30306	5442240	524920	1	LT YL OR MB
30307	5442280	524880	4	MOT RD OR/GRY WELL CONS VALL FILL?
30308	5442240	524840	4	BOTTOMLESS VALL FILL MOT GRY/RD
30309	5442240	524760	1	LT OR YL MB
30310	5442240	524720	3.5	ALLUVIUM CONT VEG MATTER
30311	5442280	524840	3.5	MOT GRY/OR VALL FILL?
30312	5442320	524840	1.5	LT PURP MB
30313	5442320	524800	1	LT OR YL MB
30314	5442360	524840	1.5	LT GRY/LT YL OR MB
30315	5442400	524840	3	MOT LT GRY/LT OR PURP WTH MB BROCK?
30316	5442400	524800	1	LT OL OR MB
30319	5442280	524920	1	LT YL OR MB
30320	5442280	524960	1.5	YL/PURP/GRY MB
30321	5442320	524960	2	YL OR MB
30322	5442320	525000	3.5	MOT DK GRY/BR RD V FILL/TALUS
30323	5442360	524920	3	PL GRY/PL OR WTH/LEACHED?? MB
30324	5442360	524960	3	MOT OR GRY V FILL
30325	5442360	525000	3	MOT PURP/GRY SCREE PURP MB CLASTS
30326	5442360	525040	3	MOT OR SCREE/V FILL
30327	5442320	525160	1	LT PURP GRY MB
30328	5442280	525160	1	LT PURP BR MB
30329	5442320	525200	2.5	LT OR SCREE PURP CLASTS
30330	5442360	525160	3	OR CLY/SCREE
30331	5442360	525120	1	LT OL OR/LT PURP MB
30332	5442360	525080	0.5	OR OL MB
30333	5442400	525120	?	WTH LT PURP MB
30334	5442400	525080	?	WTH LT BR OR/LT PURP MB
30335	5442400	525040	?	LT GRY/LT OR MB

MACMIN N.L. TRENCH SAMPLE LOG

590051

PROJECT:	LISLE	TRENCH ID:	TRENCH P6
PROSPECT:	POTOROO	STARTING POINT:	5442220 00524835
DATE:			NORTH EAST
SAMPLED BY:	TG	FINISHING POINT:	5442280 524777
			NORTH EAST

DISTANCE TO START	SAMPLE NUMBER	COMMENTS	ASSAYS	
			Au	As
0	30138	SINGLE TEST PIT SAMPLE BEFORE START OF TRENCH PROPER IN GRV MB		
0 TO 2m	30139	MB TRENDING WNW		
4	30140	MB TRENDING WNW		
6	30141	MB TRENDING WNW		
8	30142	MB TRENDING WNW		
10	30143	MB TRENDING WNW		
12	30144	MB TRENDING WNW		
14	30145	MB TRENDING WNW		
16	30146	MB TRENDING WNW		
18	30147	MB TRENDING WNW		
20	30148	MB TRENDING WNW		
22	30149	MB TRENDING WNW		
24	30150	MB TRENDING WNW		
26	30151	MB TRENDING WNW		
28	30152	MB TRENDING WNW		
30	30153	MB TRENDING WNW		
32	30154	MB TRENDING WNW		
34	30155	MB TRENDING WNW		
36	30156	MB TRENDING WNW		
38	30157	MB TRENDING WNW		
40	30158	MB TRENDING WNW		
42	30159	MB TRENDING WNW		
44	30160	MB TRENDING WNW		
46	30161	MB TRENDING WNW		
48	30162	MB TRENDING WNW		
50	30163	MB TRENDING WNW		
52	30164	MB TRENDING WNW		
54	30165	MB TRENDING WNW		
56	30166	MB TRENDING WNW		
58	30167	MB TRENDING WNW		
60	30168	MB TRENDING WNW		
62	30169	MB TRENDING WNW		
64	30170	MB TRENDING WNW		
66	30171	MB TRENDING WNW		
68	30172	MB TRENDING WNW		
70	30173	MB TRENDING WNW		
72	30174	MB TRENDING WNW		
74	30175	MB TRENDING WNW		

MACMIN N.L. TRENCH SAMPLE LOG

590056

PROJECT: LISLE	TRENCH ID: TRENCH P8
PROSPECT: POTOROO	STARTING POINT: 5442280 NORTH 00525014 EAST
DATE:	FINISHING POINT: 5442343 NORTH 525093 EAST
SAMPLED BY: TG	

DISTANCE TO START	SAMPLE NUMBER	COMMENTS	ASSAYS	
			Au	As
0 TO 2m	30192	PL YL OR/PL PURP MB		
4	30193	PL YL OR/PL PURP MB		
6	30194	PL YL OR/PL PURP MB		
8	30195	PL YL OR/PL PURP MB		
10	30196	PL YL OR/PL PURP MB		
12	30197	PL YL OR/PL PURP MB		
14	30198	PL YL OR/PL PURP MB		
16	30199	PL YL OR/PL PURP MB		
18	30200	PL YL OR/PL PURP MB		
20	30201	PL YL OR/PL PURP MB		
22	30202	VERY WELL CEMENTED VALLEY FILL/SCREE CONTAINING QUARTZ FRAGMENTS		
24	30203	VERY WELL CEMENTED VALLEY FILL/SCREE CONTAINING QUARTZ FRAGMENTS		
26	30204	VERY WELL CEMENTED VALLEY FILL/SCREE CONTAINING QUARTZ FRAGMENTS		
28	30205	VERY WELL CEMENTED VALLEY FILL/SCREE CONTAINING QUARTZ FRAGMENTS		
30	30206	VERY WELL CEMENTED VALLEY FILL/SCREE CONTAINING QUARTZ FRAGMENTS		
32	30207	VERY WELL CEMENTED VALLEY FILL/SCREE CONTAINING QUARTZ FRAGMENTS		
34	30208	VERY WELL CEMENTED VALLEY FILL/SCREE CONTAINING QUARTZ FRAGMENTS		
36	30209	VERY WELL CEMENTED VALLEY FILL/SCREE CONTAINING QUARTZ FRAGMENTS		
38	30210	VERY WELL CEMENTED VALLEY FILL/SCREE CONTAINING QUARTZ FRAGMENTS		
40	30211	VERY WELL CEMENTED VALLEY FILL/SCREE CONTAINING QUARTZ FRAGMENTS		
42	30212	VERY WELL CEMENTED VALLEY FILL/SCREE CONTAINING QUARTZ FRAGMENTS		
44	30213	VERY WELL CEMENTED VALLEY FILL/SCREE CONTAINING QUARTZ FRAGMENTS		
46	30214	VERY WELL CEMENTED VALLEY FILL/SCREE CONTAINING QUARTZ FRAGMENTS		
48	30215	VERY WELL CEMENTED VALLEY FILL/SCREE CONTAINING QUARTZ FRAGMENTS		
50	30216	VERY WELL CEMENTED VALLEY FILL/SCREE CONTAINING QUARTZ FRAGMENTS		
52	30217	VERY WELL CEMENTED VALLEY FILL/SCREE CONTAINING QUARTZ FRAGMENTS		
54	30218	PL YL OR MB		
56	30219	PL YL OR MB		
58	30220	PL YL OR MB		
60	30221	DK RD BR CLAY		
62	30222	VERY WELL CEMENTED VALLEY FILL/SCREE CONTAINING QUARTZ FRAGMENTS		
64	30223	VERY WELL CEMENTED VALLEY FILL/SCREE CONTAINING QUARTZ FRAGMENTS		
66	30224	VERY WELL CEMENTED VALLEY FILL/SCREE CONTAINING QUARTZ FRAGMENTS		
68	30225	VERY WELL CEMENTED VALLEY FILL/SCREE CONTAINING QUARTZ FRAGMENTS		
70	30226	VERY WELL CEMENTED VALLEY FILL/SCREE CONTAINING QUARTZ FRAGMENTS		
72	30227	VERY WELL CEMENTED VALLEY FILL/SCREE CONTAINING QUARTZ FRAGMENTS		
74	30228	VERY WELL CEMENTED VALLEY FILL/SCREE CONTAINING QUARTZ FRAGMENTS		
76	30229	VERY WELL CEMENTED VALLEY FILL/SCREE CONTAINING QUARTZ FRAGMENTS		
78	30230	VERY WELL CEMENTED VALLEY FILL/SCREE CONTAINING QUARTZ FRAGMENTS		
80	30231	VERY WELL CEMENTED VALLEY FILL/SCREE CONTAINING QUARTZ FRAGMENTS		

590058

E.L. 2/92 – LISLE

**ANNUAL REPORT FOR THE YEAR ENDED
24TH JULY 1999**

Appendix 3.

Potoroo Prospect
Trench Cross-sections

Project: LISCÉ
 Prospect: POTOROO
 Start Coord's: _____

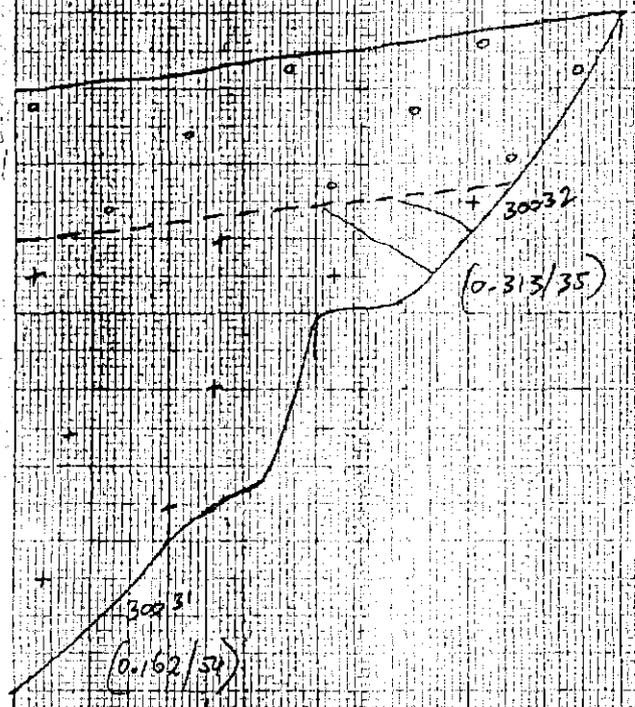
Trench No.: 1 Nth Trench
 Date Commenced: _____
 Date Completed: _____
 Total Length (m): 64 m

Date: 8/7/98
 Sampled by: TG/HS
 Logged by: HS
 Laboratory used: _____

SAMPLING				SOIL HORIZON DEPTHS			TRENCH FLOOR (+ walls)				ASSAYS (ppm)							
Sample No.	From	To	Slope + Bearing	Depth	MB _A	VF _B	Granite _C	Lithol.	Colour	Joints	Shears	Veins	Au	Ag	As	Cu	Pb	Zn
30001	0	2	-24 → 295	2	-	-	0-2	G	creamy yellow				0.157		13			
2	2	4	" → "	2.5	-	-	0-2	G					0.453		1			
3	4	6	-24 → "	3	-	-	0-3	G					0.508		38			
4	6	8	-27 → "	3.5		0-0.25	0.25-3.5	G					0.514		49			
5	8	10	-20 → "	3.5		0-0.6	0.6-3.5	G					0.455		149			
6	10	12	-15 → "	3.5		0-0.14	0.4-3.5	G					0.291		68			
7	12	14	-15 → 312	3		0-0.5	0.5-3	G					0.565		185			
8	14	16	-6 → 295	3		0-0.75	0.75-3	G					2.11		906			
9	16	18	-40 → 312	3.5		0-1	0.75-3.5	G					3.41		3443			
10		20	-35 → 324	4.2		0-1.5	0.75-4.2	G					2.08		3200			
11		22	-5 → "	4		0-1.75	0.75-4	G					1.60		10170			
12		24	-19 → "	4.5		0-1.75	1.75-4.5	G					0.055		1114			
13		26	-25 → (10) -2 → (10)	4.4		0-2	2-4.4	G					0.057		1149			
14		28	-7 → 335	4.5		0-2	2-4.5	G					0.141		77			
15		30	0 → "	4		0-2.2	2.2-4	G					0.047		130			
16		32	-2 → "	4		0-2.75	2.75-4	G					0.074		82			
17		34	-5 → 340	3.75		0-3.25	3.25-3.75	G					0.590		612			
18		36	0 → "	3.5		0-3.5	-	G					0.042		28			
19		38	-3 → "	3.5		0-3.25	3.25-3.5	G					0.049		1018			
20		40	-20 → 340	3.75		0-3	3-3.75	G					0.176		2378			
21		42	-15 → 333	4		0-3	3 → 4	C					1.16		2887			
22		44	-10 → "	4		0-2	2 → 4	C					0.182		964			
23		46	0 → "	3.75		0-1.75	1.75 → 140	C					0.193		3016			
24		48	0 → 333	3.75		0-1	1 → 3.75	G					0.392		3553			
25		50	0 → 325	3.5		0-1.2	1.2 → 3.5	G					1.22		0.92%			
26		52	0 → "	4		0-1.5	1.5 → 4	G					0.159		843			
27		54	0 → "	4		0-1.75	1.25 → 4	G					0.146		647			

590060

2.5m Cusped Q.V. SF 352 (36 → 26.2)



5-22cm Q (asp vein) (0.5% asp)
 Str 015 (d 30 → 295)
 Anastomosis, + several fine splays

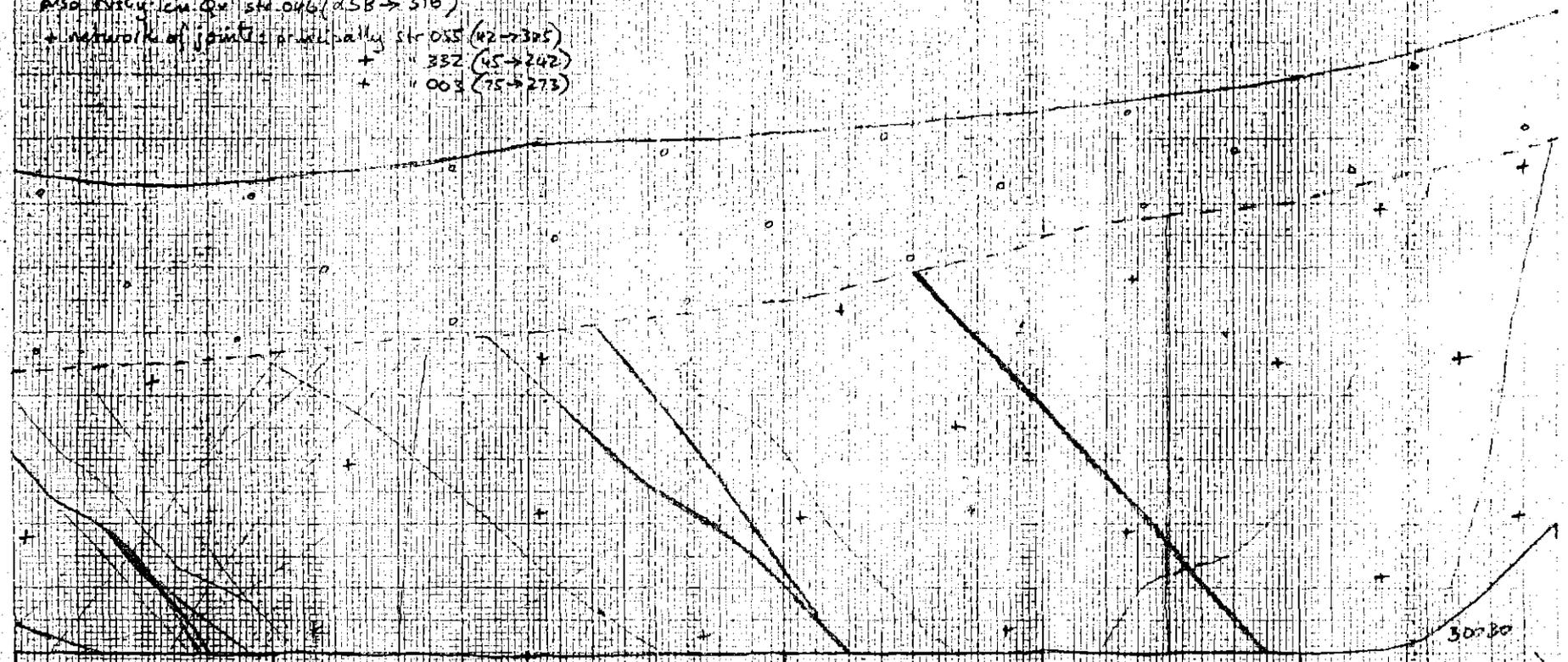
also extensive Q str 046 (d 58 → 316)
 + network of joints principally str 055 (42 → 305)
 + " 332 (45 → 242)
 + " 003 (75 → 273)

5-15mm Q vs: str 052 (d 70 → 322)
 " 054 (58 → 324)
 " 059 (40 → 329)

+ Numerous fine Q veinlets

5-15cm QV str 076 (d 116 → 346)
 + minor veinlets (2mm) str 230 (d 86 → 320)

1-2 cm Q vs (rusted): str 288 (87 → 195)
 + " 249 (86 → 150)



30025
 (1.29/0.92%)
 Q vein = 30025 A
 (1.29 ppm Au / 2.85% As)

30026
 (0.159/8.43)

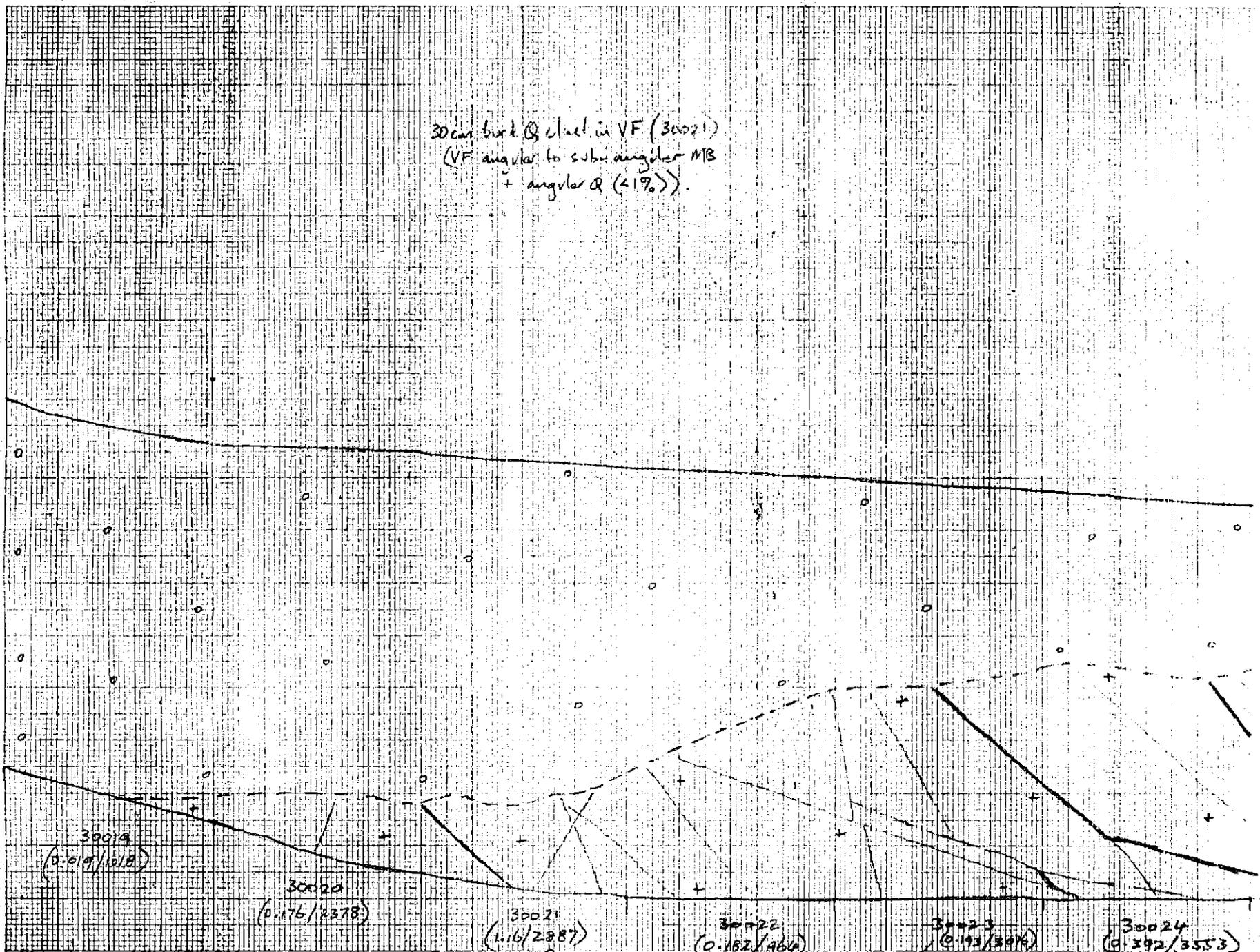
30027
 (0.46/6.47%)
 QV = 30027 A
 (0.505 ppm Au / 0.649% As)

30028
 (0.116/3.21)

30029
 (0.106/3.66)

30080
 (0.065/21)

30cm bank of chert in VF (30021)
 (VF angular to sub angular MB
 + angular Q (<1%)).



30019
 (0.019/1018)

30020
 (0.176/2378)

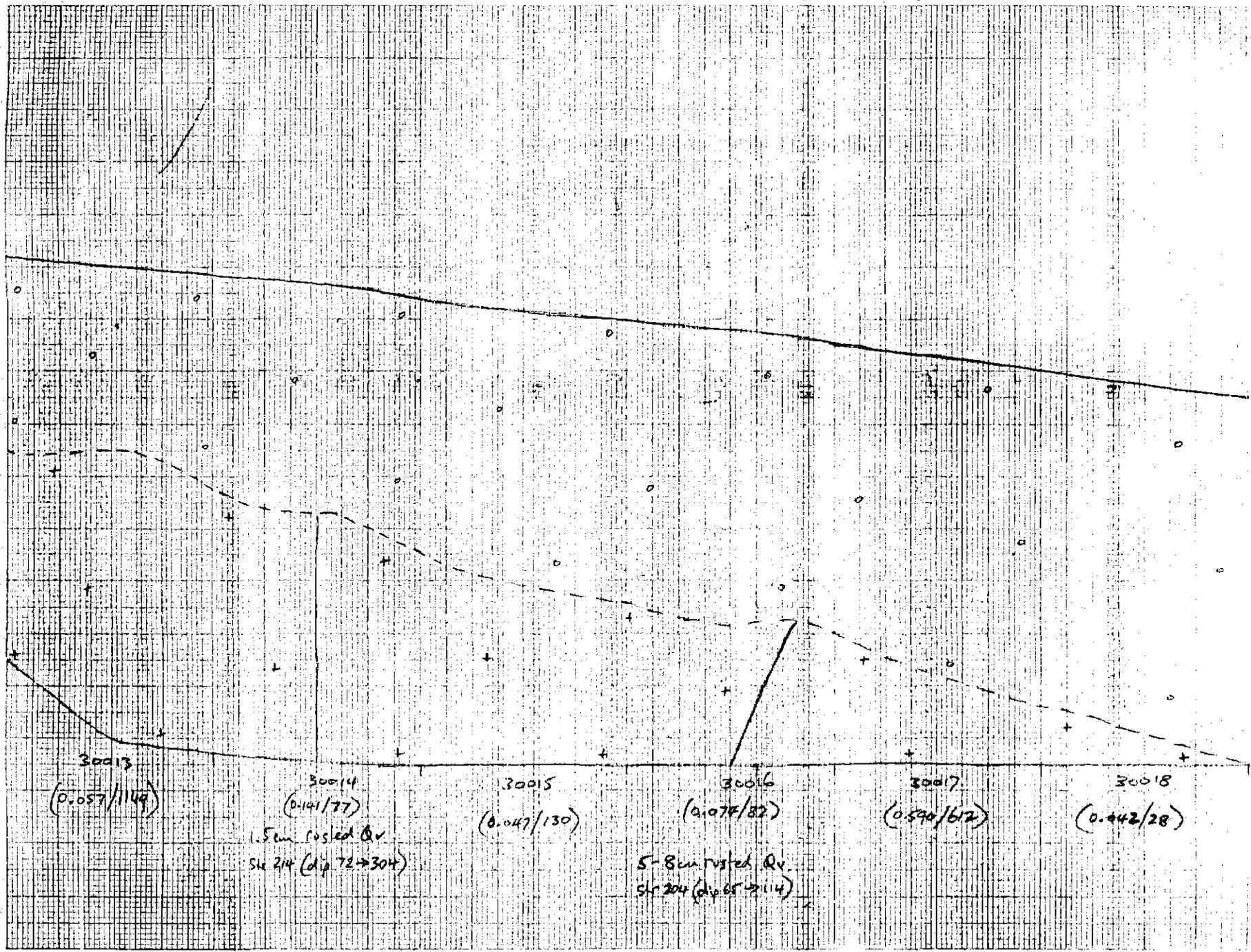
30021
 (1.16/2887)
 3cm rus ch Qv
 str 086 (d. 56 → 356)

30022
 (0.182/966)

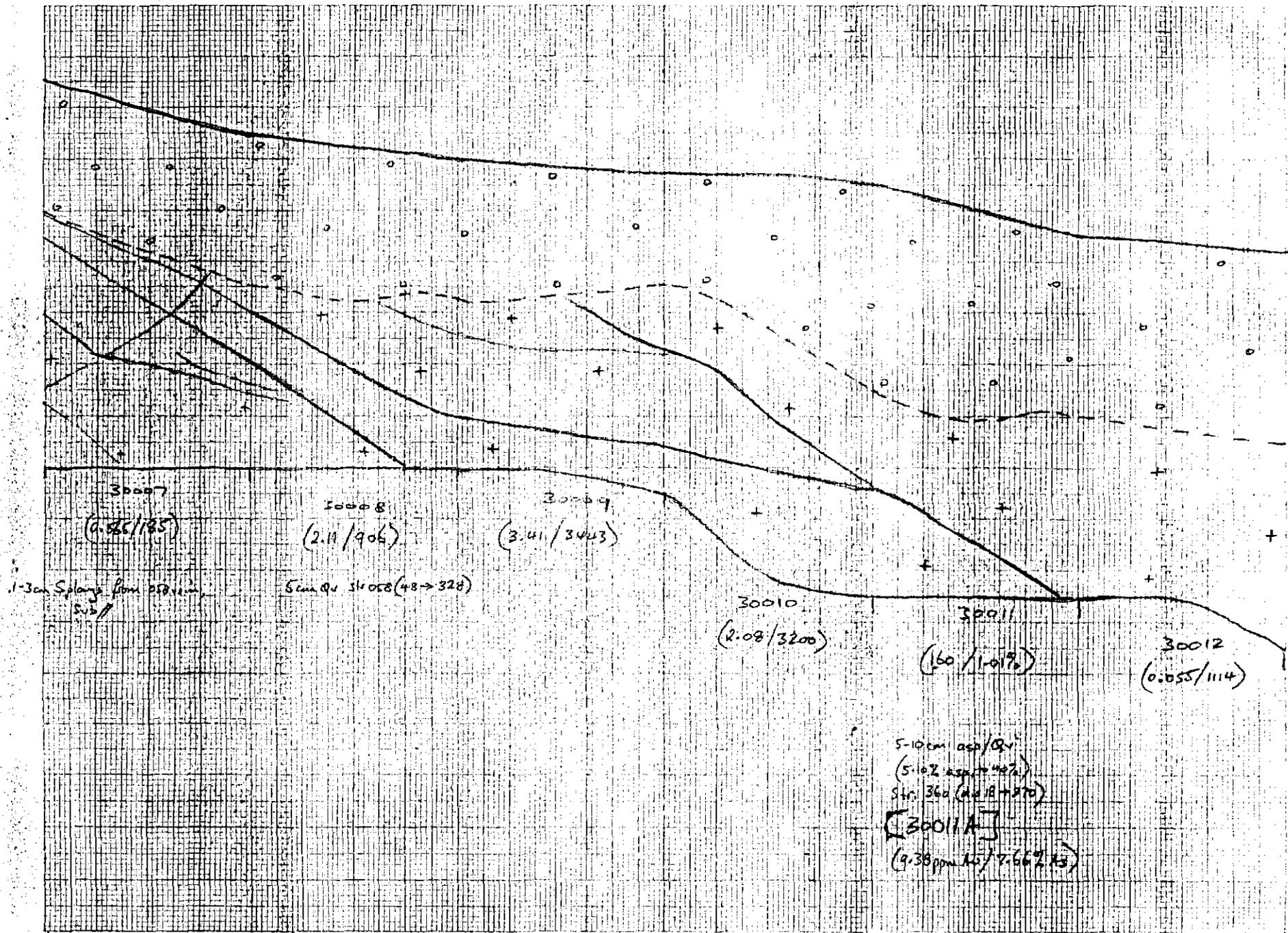
30023
 (0.193/3078)

30024
 (0.392/3553)

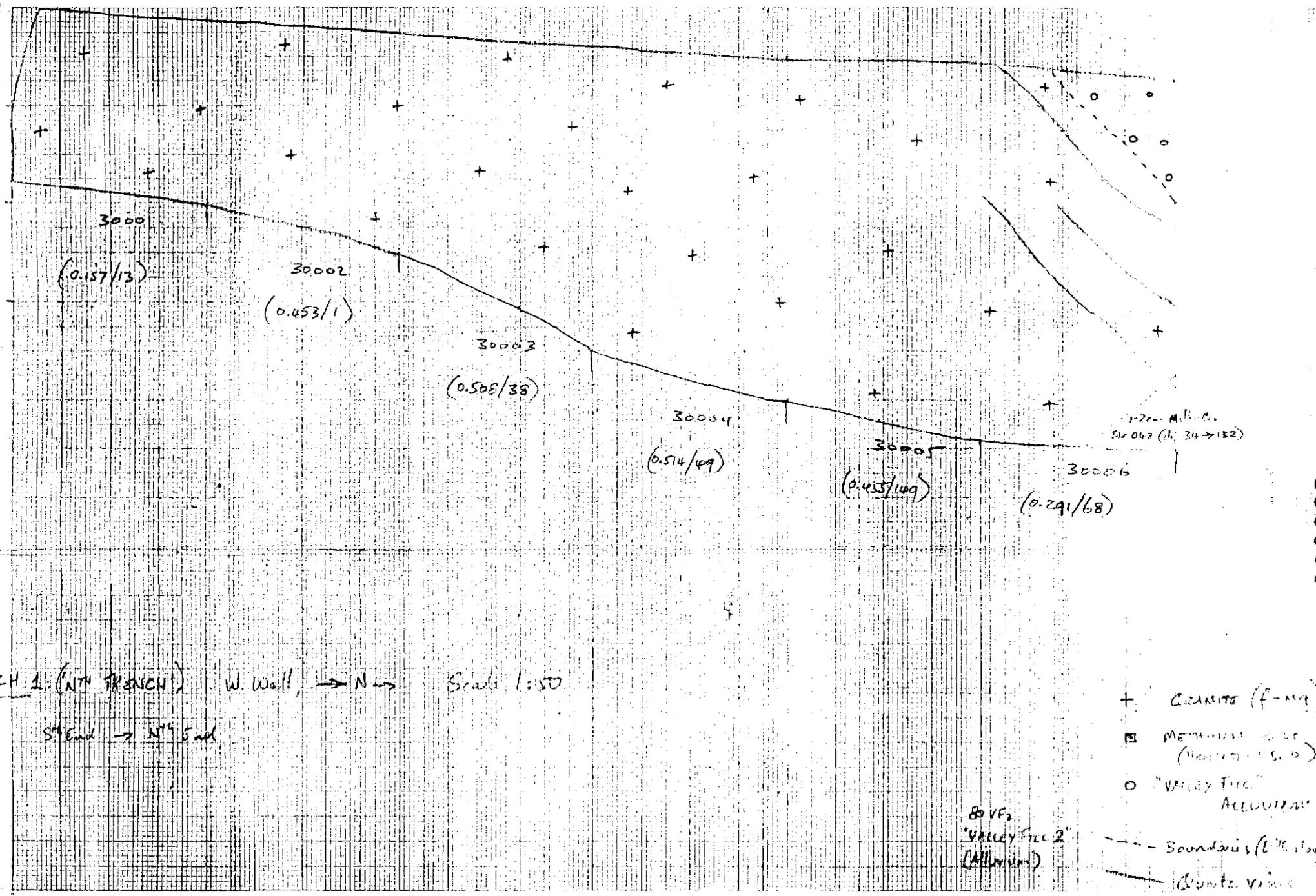
[30023A] Crs Qv (to 25cm, avg ~15cm)
 Str. 055 (d 42 → 325) in general
 Splays 1-5cm, dip varies 15-70°



590064



590066



TRENCH 1. (NTH TRENCH) W. Wall, → N → Scale 1:50
 Sth End → Nth End

- + GRANITE (f-mg)
- METAMORPHIC ROCK (Mylonitic S.D.)
- "Valley Fill" ACCRETION
- Boundaries (with slope)
- Quartz veins

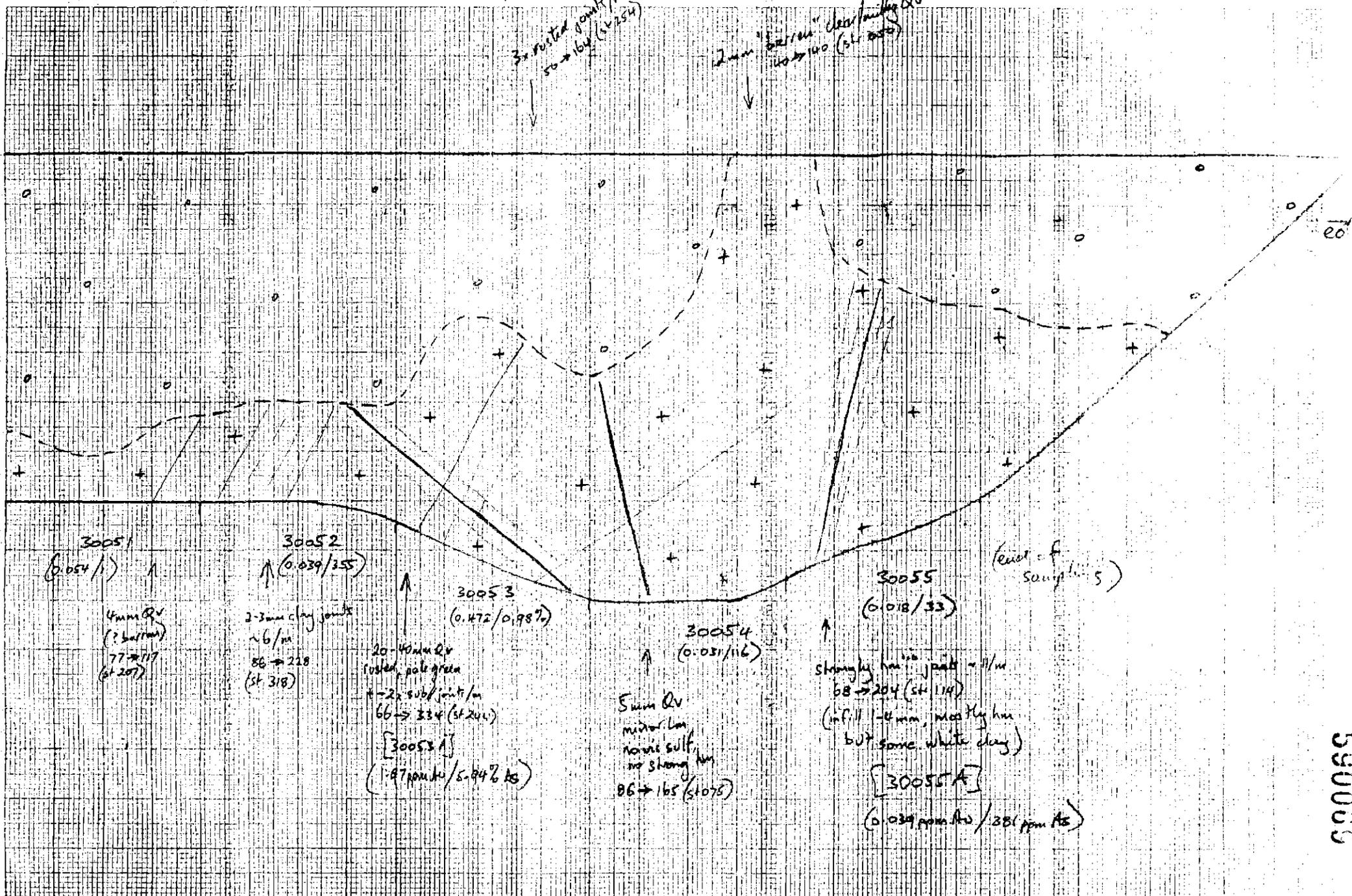
Project: 21116
 Prospect: Autumn POTOROO
 Start Coord's: 25 (S.T.)

Trench No.: 6 (see sketch)
 Date Commenced: _____
 Date Completed: _____
 Total Length (m): 48m

Date: 9/7/03
 Sampled by: TL
 Logged by: CS
 Laboratory used: _____

SAMPLING					SOIL HORIZON DEPTHS			TRENCH FLOOR					ASSAYS					
Sample No.	From	To	Bearing	Depth	MB A	VF B	A R	Lithol.	Colour	Joints	Shears	Veins	Au	Ag	As	Cu	Pb	Zn
30033	0	2	S → 003	2 → 2.5		-	2 → 2.5	G	Greyy Silt.				0.191		11			
30034		4	-3 → 023	2.5 to 3		-	2.5 - 3						0.337		6			
30035		6	0 → 023	3		-	3						0.301		10			
30036		8	0	3		-	3						0.519		3			
30037		10	0	3		0 - 0.5	0.5 - 3						0.290		<1			
30038		12		3		0 - 1	1 - 3						1.99		9			
30039		14		3		0 - 1	1 - 3						0.076		5			
30040		16		3		0 - 1.5	1.5 - 3						0.068		3			
30041		18		3		0 - 1.5	1.5 - 3						0.045		5			
30042		20		3		0 - 1.5	1.5 - 3						0.235		4			
30043		22	0 → 020	3		0 - 2/2.5	2/2.5 - 3						0.261		5			
30044		24		3		0 - 2.5	2.5 - 3						0.126		<1			
30045		26		3		0 - 2.5	2.5 - 3						0.216		6			
30046		28		3		0 - 0.75	0.75 - 1.2						0.084		9			
30047		30		3		0 - 2.2	2.2 - 3						0.322		5			
30048		32		3		0 - 2.2	2.2 - 3						0.091		9			
30049		34		3		0 - 2.5	2.5 - 3						0.134		8			
30050		36	0 → 012	3		2.5 - 2.8	- 3						0.052		6			
30051		38	+1	3		2 - 2.5	2 - 3						0.054		1			
30052		40	-3	3.0		2	- 3.2						0.039		355			
30053		42	-20	3.2		1.7 to 1.8	- 4.2						0.472		0.98%			
30054		44	0	4.2			- 11.2						0.031		116			
30055		46	+34	4 → 23		0	- 2.2						0.018		33			
+4m		(100)		23 → 0			- 0.0											

590067



3x rusted joints /
50 → 104 (st 234)

2mm "barren" clay/mud QV
100 → 140 (st 255)

30051
(0.054/1)
4mm QV
(? barren)
77 → 117
(st 207)

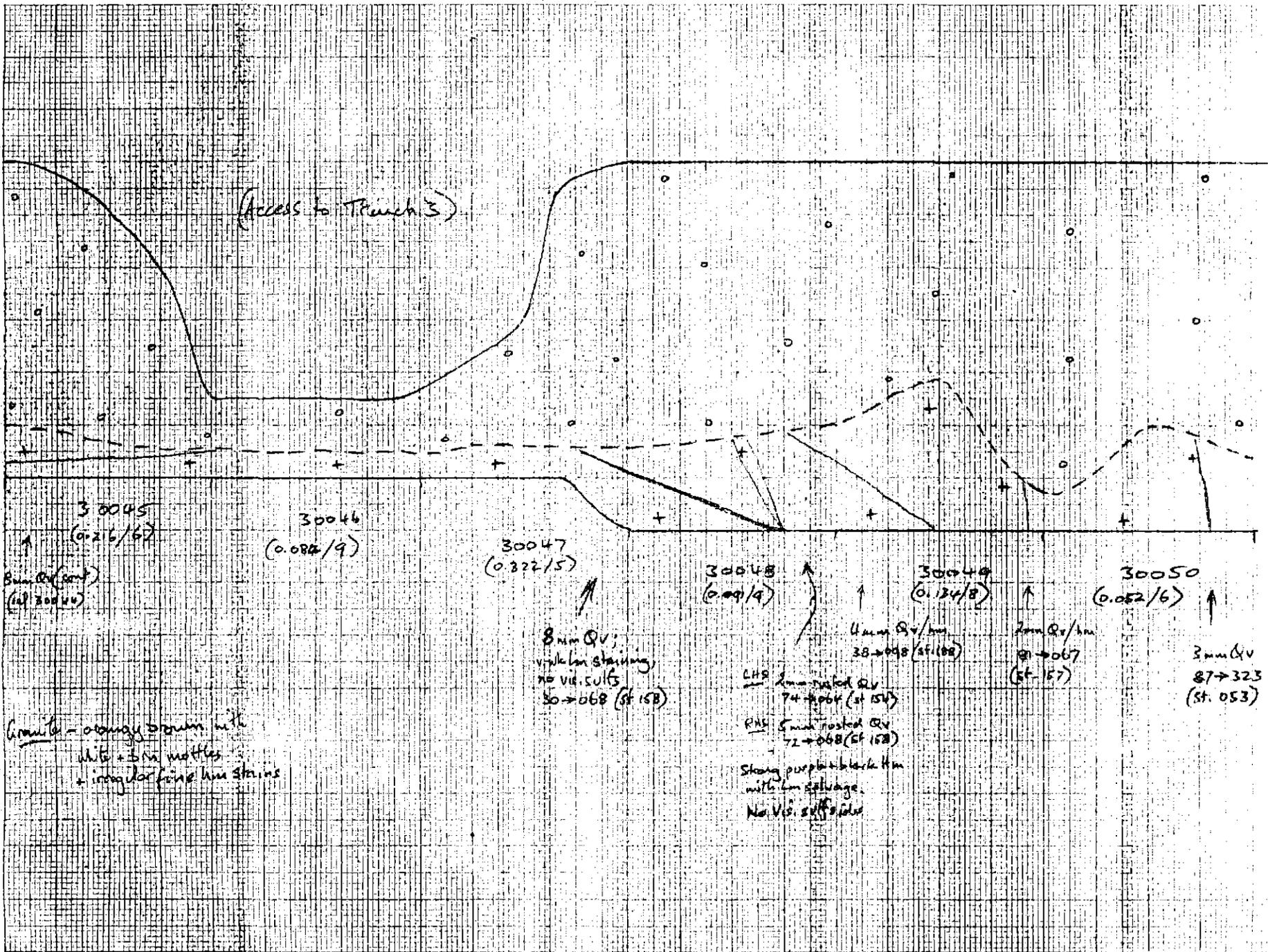
30052
(0.039/355)
2-3mm clay joints
~6/m
86 → 228
(st 318)

30053
(0.472/0.98%)
20-40mm QV
rubbed, pale green
~2x sub/joint/m
66 → 334 (st 241)
[30053A]
(1.47 ppm As / 5.94% As)

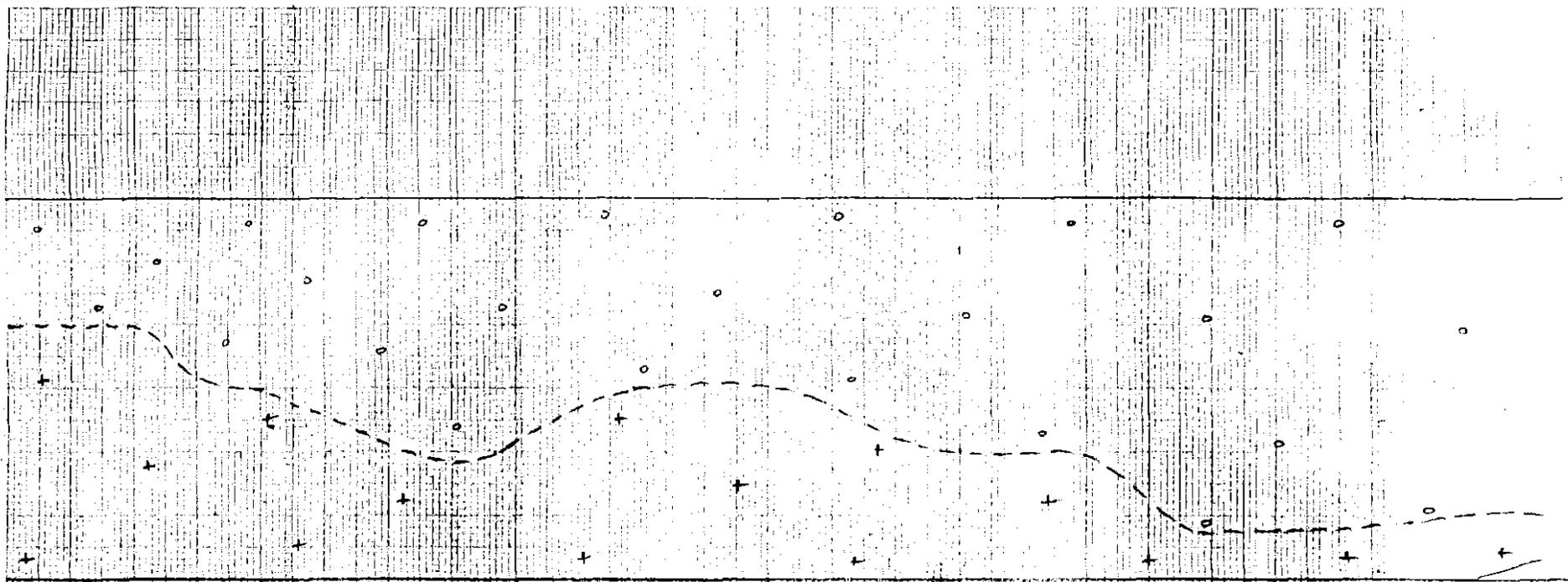
30054
(0.031/116)
Swim QV
minor lim
no vis sulf
no strong hum
86 → 165 (st 075)

30055
(0.018/33)
(east of sampling 5)
strongly humic joints ~ 11/m
68 → 204 (st 114)
(inf. 11-14mm, mostly hum
but some white clay)
[30055A]
(0.039 ppm As / 28 ppm As)

590065



590070



30039
(0.076/5)

30040
(0.088/3)

30041
(0.045/5)

30042
(0.235/4)

30043
(0.261/5)

30044
(0.126/1)

↑
8mm QV + hand clasp
70 → 110 (sl 200)

Project: LISE
 Prospect: PANAMA - PICO 200
 Start Coord's: _____

Trench No.: 3 (Sth)
 Date Commenced: _____
 Date Completed: _____
 Total Length (m): 25m

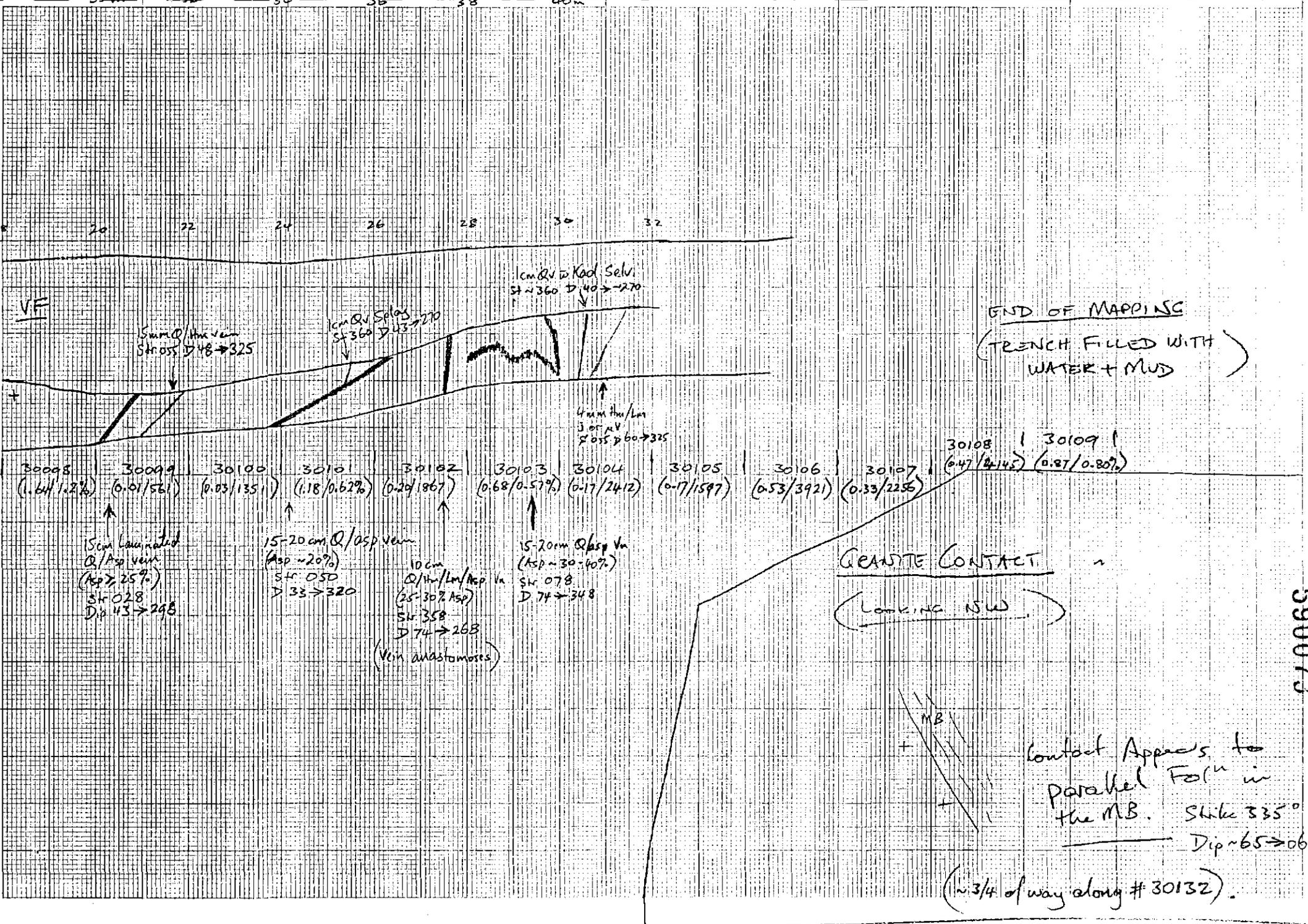
Date: 10/7/98
 Sampled by: TG
 Logged by: HS
 Laboratory used: _____

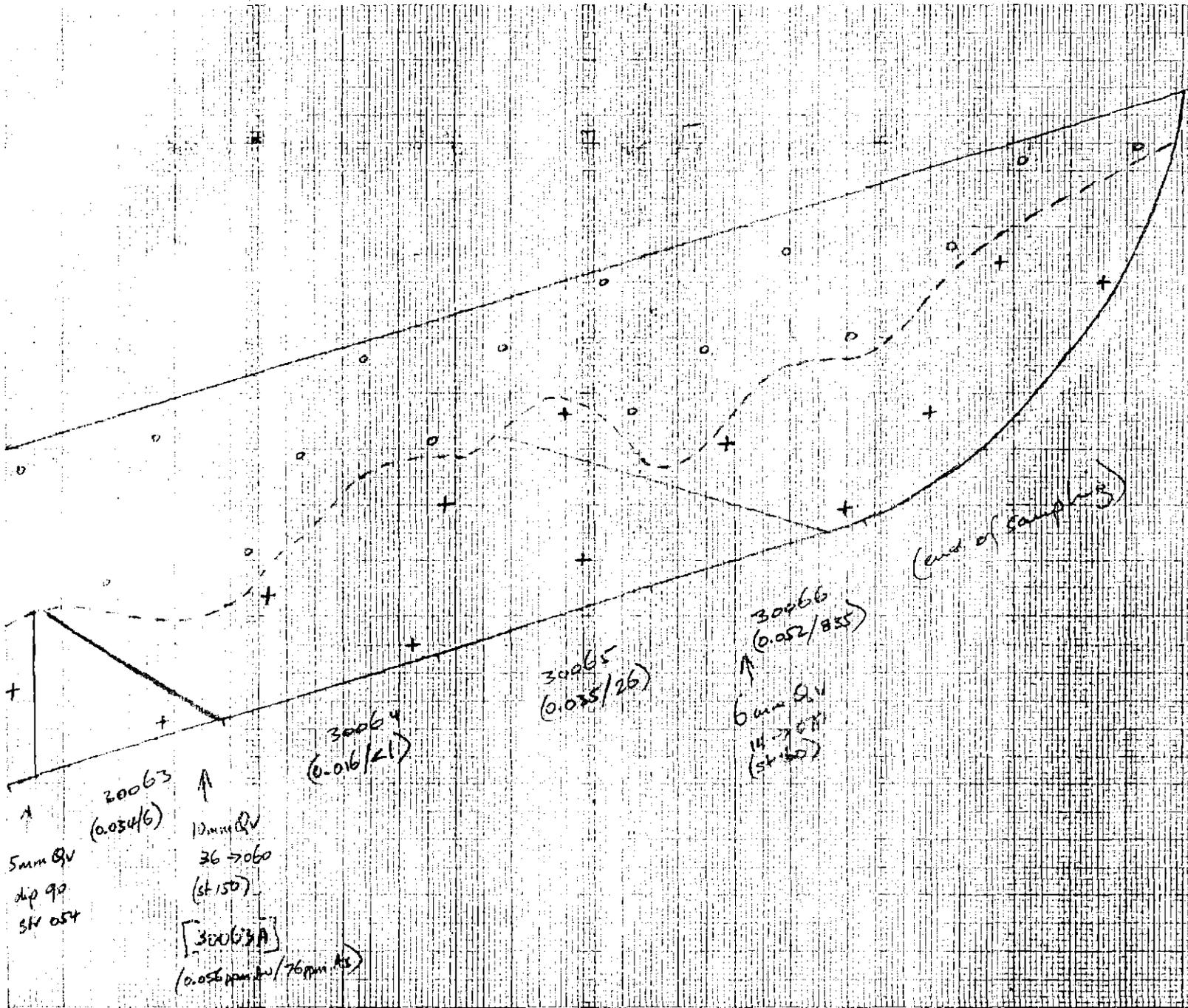
SAMPLING				SOIL HORIZON DEPTHS			TRENCH FLOOR						ASSAYS (ppm)					
Sample No	From	To	Bearing	Depth	MB X	YF B	GR	Lithol.	Colour	Joints	Shears	Veins	Au	Ag	As	Cu	Pb	Zn
30056	0	2	117° → 112°	2.5m	-	0-2	2-2.5	G	MONOTON Red-Or.	-	-	-	0.186		11			
57	2	4	"	3		0-2.5	2.5-3	"	"				0.188		10			
58	4	6	"	3		"	"	"	Yellow				0.116		6			
59	6	8	"	"		"	"	"	"				0.134		10			
30060	8	10	"	"		0-2.5-2	2-3	"	"				0.112		8			
1	10	12	"	"		0-2-1.5	1.5-3	"	"				0.085		40			
2	12	14	"	"		0-1.5	1.5-3	"	"				0.154		6			
3	14	16	"	"		0-1.5	1.5-3	"	"				0.034		6			
4	16	18	"	"		0-1	1-3	"	"				0.016		41			
5	18	20	"	"		0-1.5	1.5-3	"	"				0.035		26			
30066	20	22	"	"		0-1.5	1.5-3	"	"				0.052		835			
	22	25	"	"		0-0.5/1	---	"	"									
		not																

590072

G101Y 19 cm x 28 cm in mm

GORMACK GRAPH PAPERS



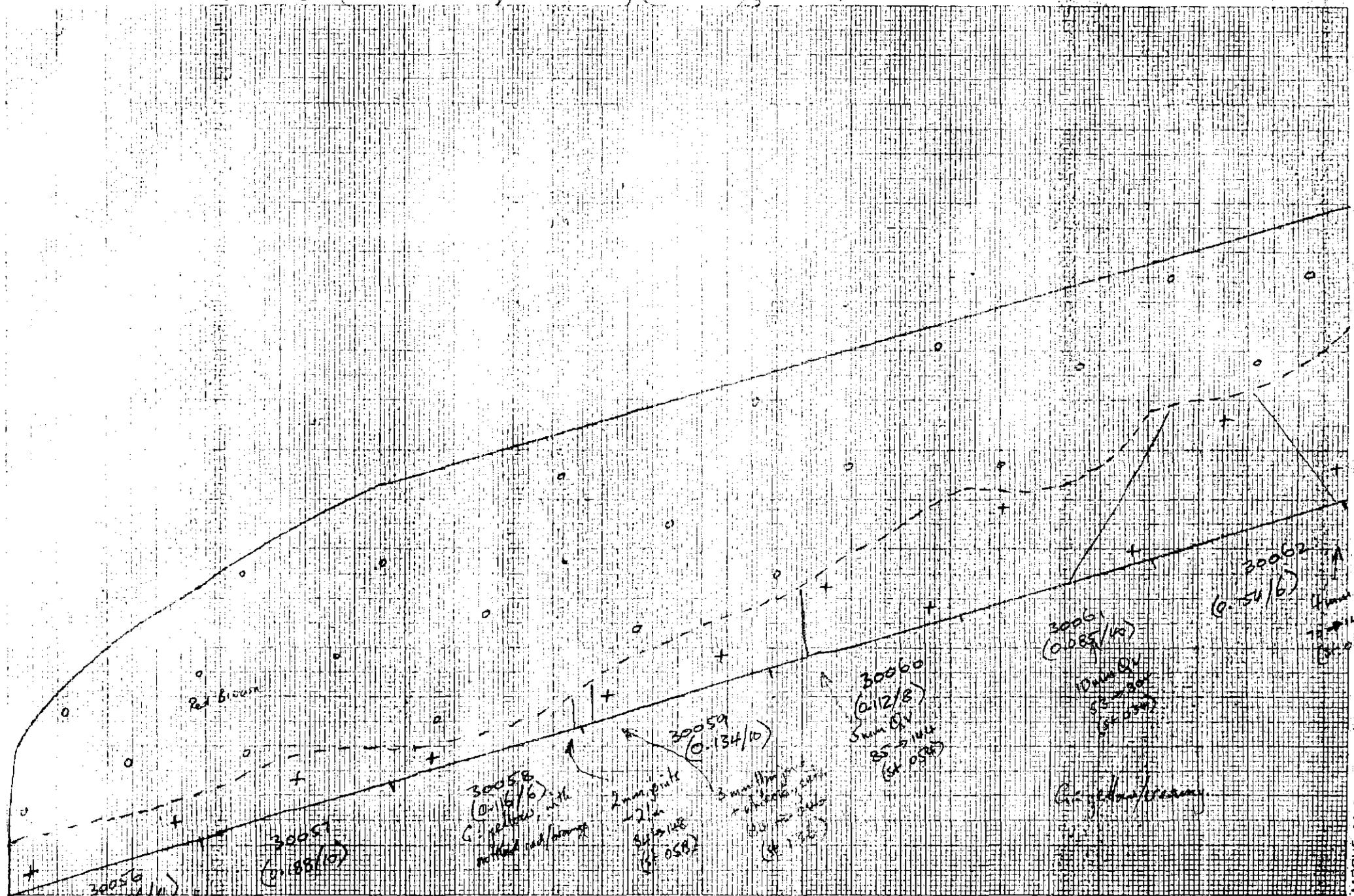


590074

AARQUE 7/4 1mm.

TRENCH 3 ("S" Trench), NE Wall, (1) ← 3 Scale 1:50

590075



Assays (Au/As)

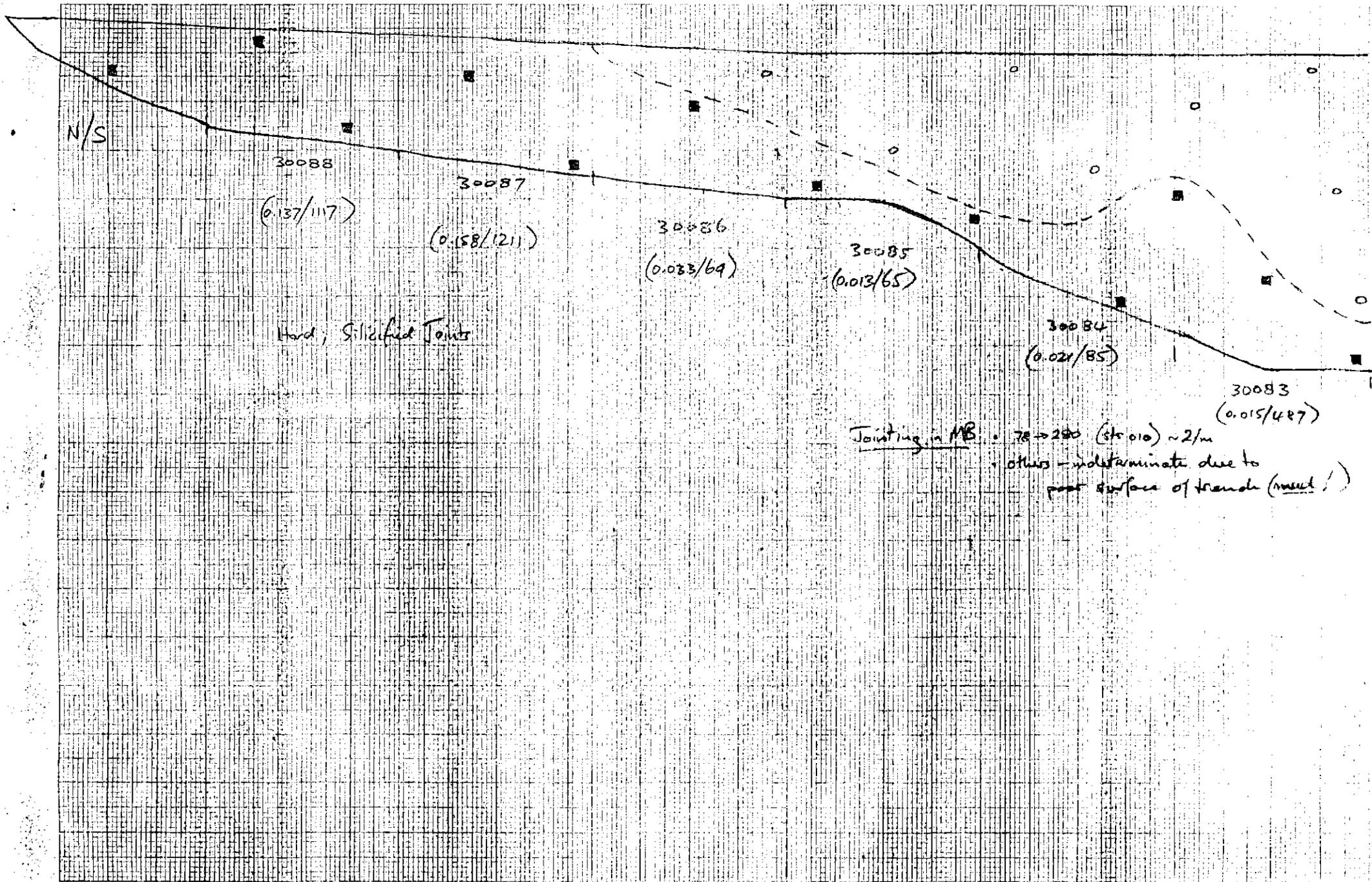
Project: LISCE
 Prospect: PANAMA POTOROO
 Start Coord's: _____

Trench No.: 4 ("W")
 Date Commenced: _____
 Date Completed: _____
 Total Length (m): 74m

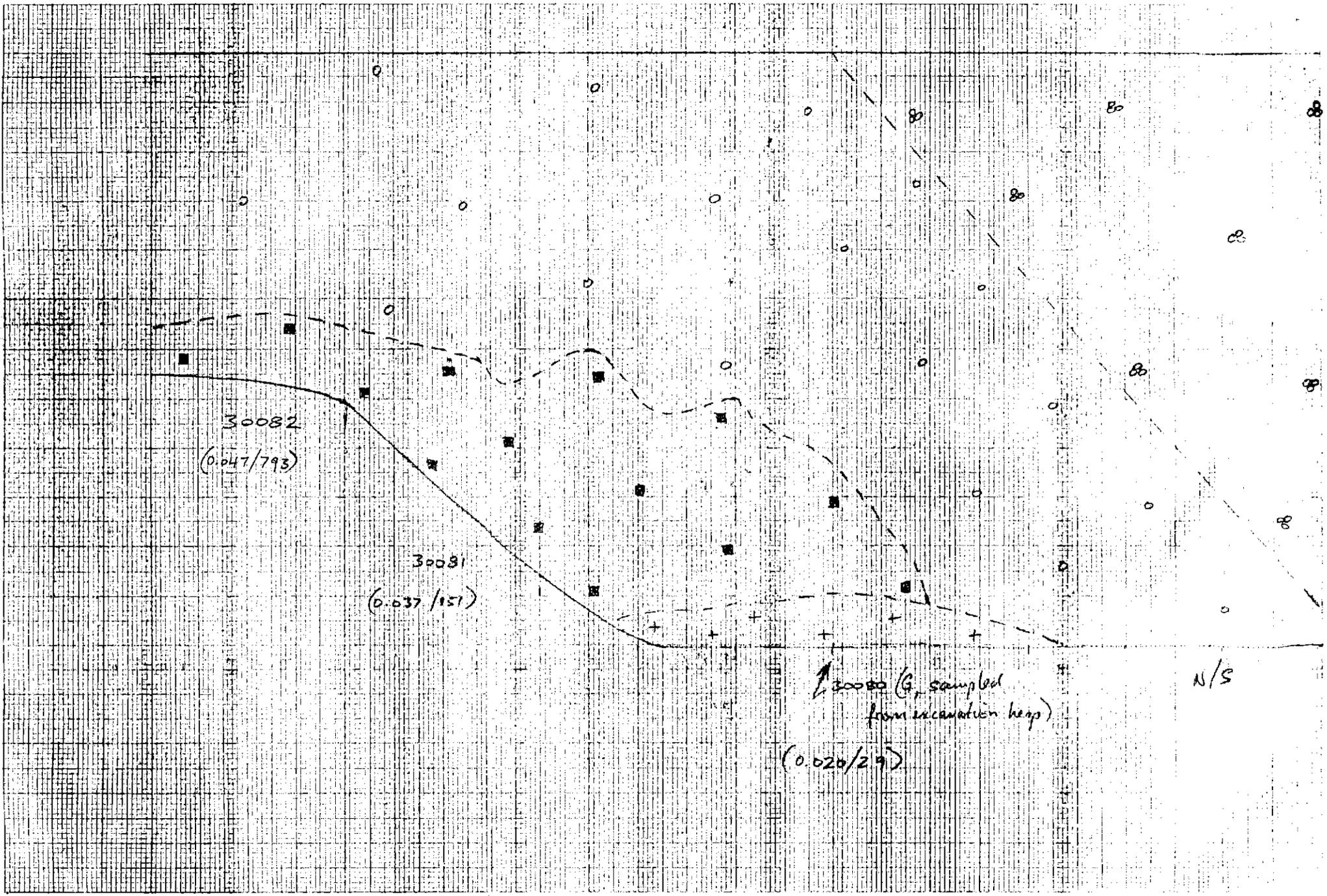
Date: 10/7/98
 Sampled by: TG
 Logged by: HS
 Laboratory used: _____

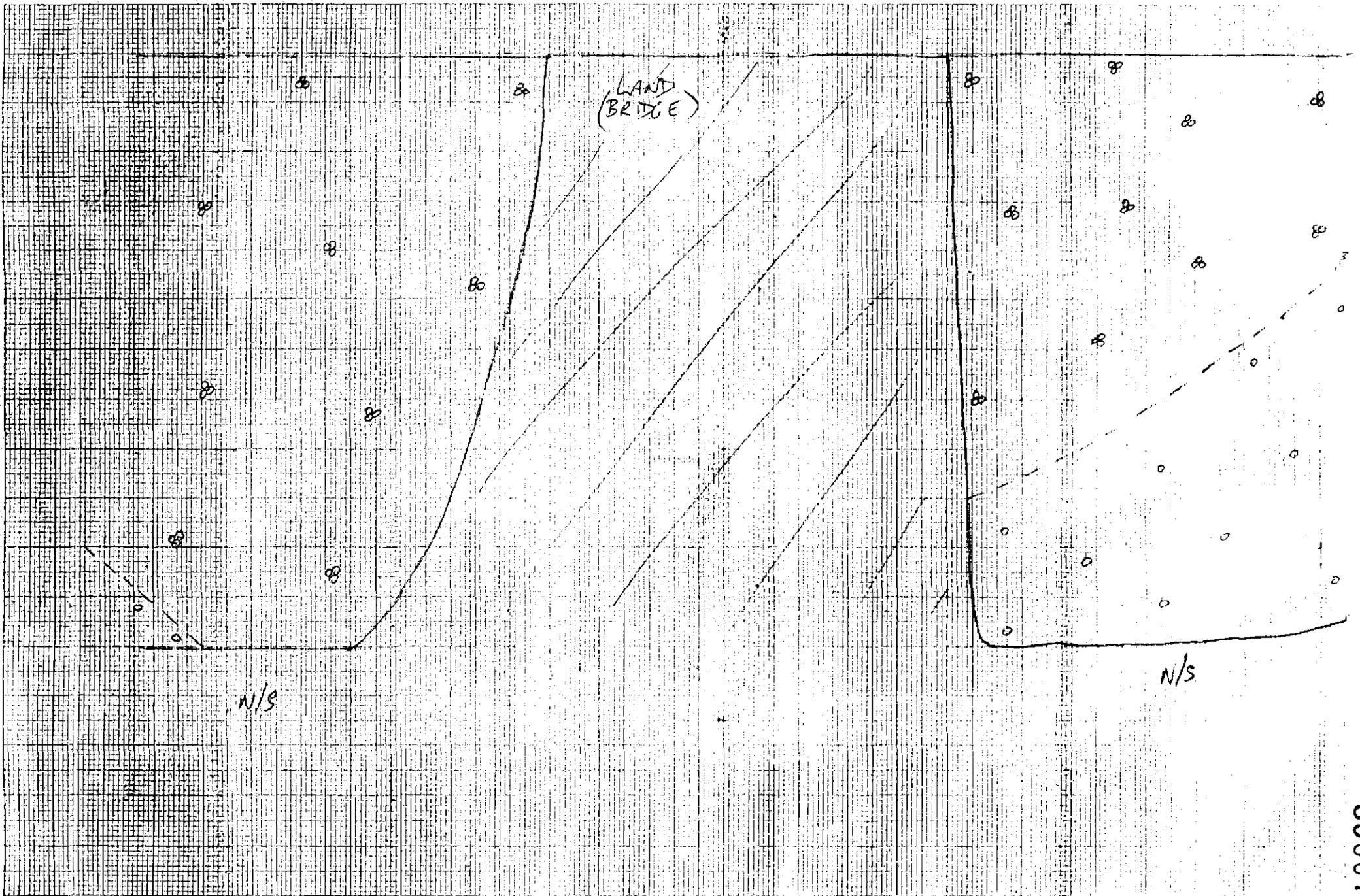
SAMPLING					SOIL HORIZON DEPTHS			TRENCH FLOOR					ASSAYS (ppm)					
Sample No.	From	To	Bearing	Depth	MB A	VF B	GC	Lithol.	Colour	Joints	Shears	Veins	Au	Ag	As	Cu	Pb	Zn
30067	0	2	0 → 191	1.75				G					0.270		25			
68		4	"	1.5				G/VF					0.197		9			
69		6	"	1				VF					0.034		132			
30070		8	0 → 182	1				MB					0.068		367			
71		10	"	1				"					0.05		52			
72		12	"	1				"					0.025		50			
73		14	"	1				"					0.029		15			
74		16	"	1				"					0.027		21			
75		18	"	1				"					0.023		20			
76		20	"	1				"					0.017		79			
77		22	"	1-2				"					0.031		34			
30078		24	"	2-3				"					0.066		167			
N/S		26	"	3-4				VF1										
N/S		28	"	4-5				VF1										
30079	28	30	"	5m				MB					0.058		43			
N/S	30	40	"	6m				VF1										
N/S	40	44	"	(Land Bridge)				VF1										
N/S	44	50	0 → 185	6m				G + VF1										
30080	50	56	"	6m				VF2+1					0.020		29			
81	56	58	"	5-3.5				MB					0.037		151			
82	58	60	"	3.5				"					0.047		793			
83	60	62	"	3.5				"					0.015		487			
84	62	64	"	3-2				"					0.021		85			
85	64	66	"	2-1.5				"					0.013		65			
86	66	68	"	1.5				"					0.033		69			
87	68	70	"	1.5				"					0.158		1211			
88	70	72	"	1				"					0.137		1117			
→ 00t	72	74	00t	-														

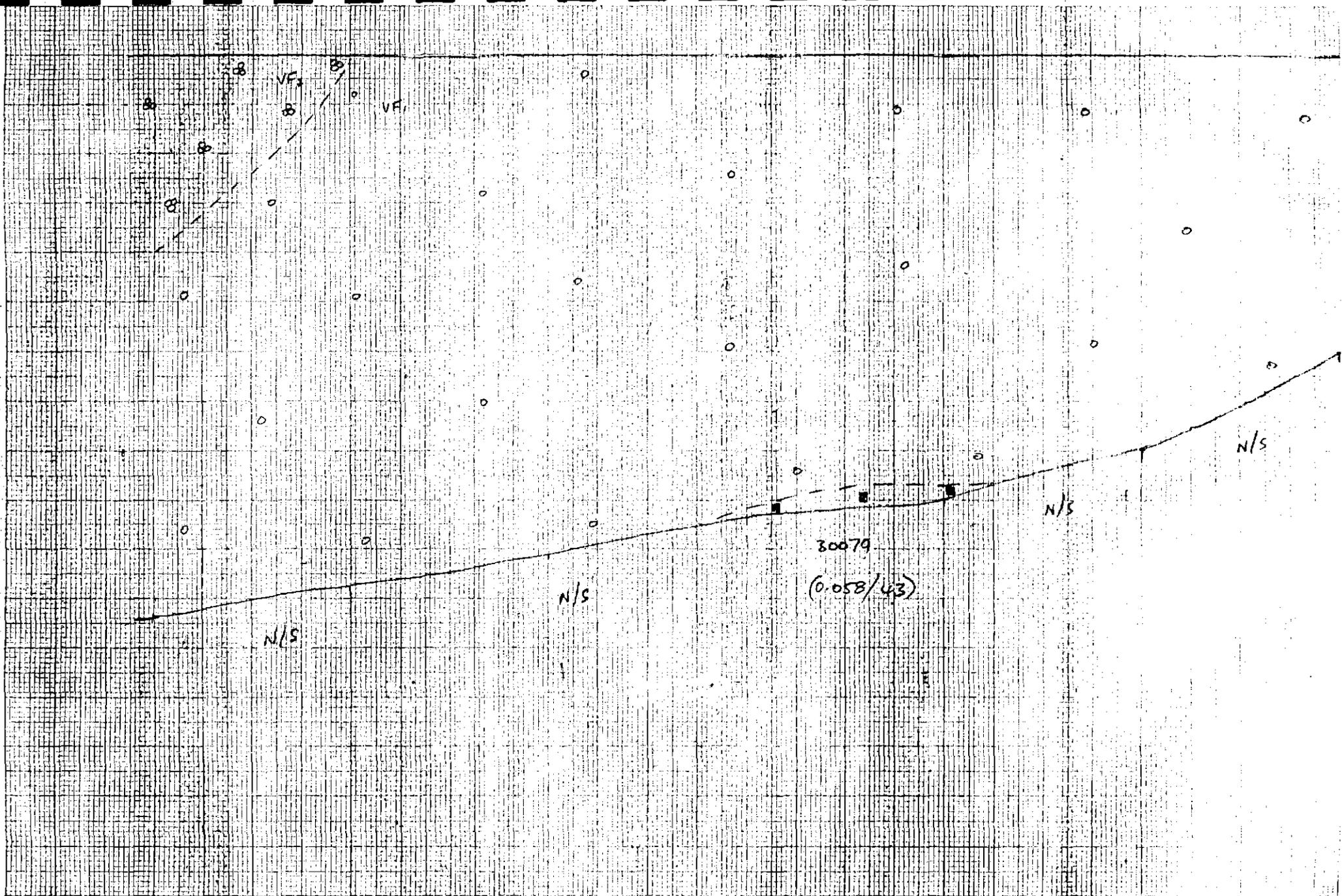
590076



590077







590080

Project: LISLE
 Prospect: ANAMA POTRROO
 Start Coord's: _____

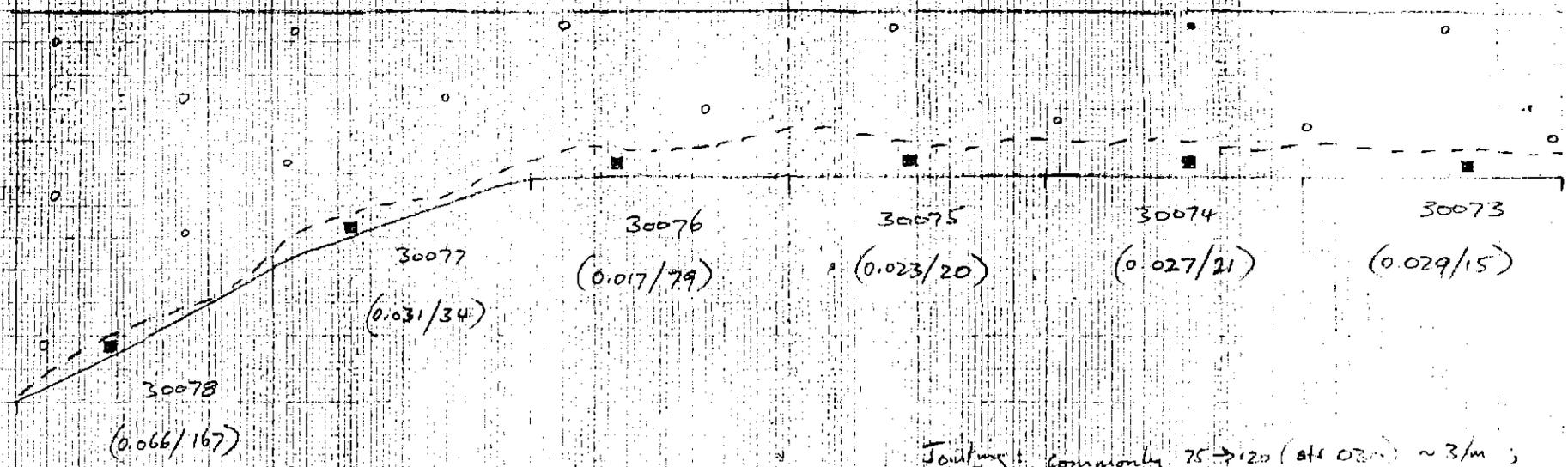
Trench No.: 4 ("W")
 Date Commenced: _____
 Date Completed: _____
 Total Length (m): 74 m

Date: 10/7/98
 Sampled by: TG
 Logged by: HS
 Laboratory used: _____

SAMPLING					SOIL HORIZON DEPTHS			TRENCH FLOOR					ASSAYS (ppm)					
Sample No.	From	To	Bearing	Depth	M ^B A	VF B	G R	Lithol.	Colour	Joints	Shears	Veins	Au	Ag	As	Cu	Pb	Zn
30067	0	2	0 → 191	1.75				G					0.270		25			
68		4	"	1.5				G/VF					0.197		9			
69		6	"	1				VF					0.034		132			
30070		8	0 → 182	1				MB					0.068		367			
71		10	"	1				"					0.015		52			
72		12	"	1				"					0.025		50			
73		14	"	1				"					0.029		15			
74		16	"	1				"					0.027		21			
75		18	"	1				"					0.023		20			
76		20	"	1				"					0.017		79			
77		22	"	1-2				"					0.031		34			
30078		24	"	2-3				"					0.066		167			
N/S		26	"	3-4				VF ₁										
N/S		28	"	4-5				VF ₁										
30079	28	30	"	5m				MB					0.058		43			
N/S	30	40	"	6m				VF ₁										
N/S	40	44	"	(Land Bridge)				VF ₁										
N/S	44	50	0 → 185	6m				G + VF ₁										
30080	50	56	"	6m				VF ₂₊₁					0.020		29			
81	56	58	"	5-3.5				MB					0.037		151			
82	58	60	"	3.5				"					0.047		793			
83	60	67	"	3.5				"					0.015		487			
84	62	64	"	3-2				"					0.021		85			
85	64	66	"	2-1.5				"					0.013		65			
86	66	68	"	1.5				"					0.033		69			
87	68	70	"	1.5				"					0.158		1211			
88	70	72	"	1				"					0.137		1117			

10/7/98 72 711

590081



Joining: Commonly 75 → 120 (str 020) ~ 3/m ;
 also 78 → 052 (str 142) ~ 4/m
 and 88 → 355 (str 085) ~ 3/m

590082

E.L. 2/92 – LISLE

**ANNUAL REPORT FOR THE YEAR ENDED
24TH JULY 1999**

Appendix 4.

Gold Crest / Enterprise Prospects

Trench Cross-sections

Trench Sample Sheets

Project: LISLE
 Prospect: GOLD CREST
 Start Coord's: _____

Trench No.: 5
 Date Commenced: _____
 Date Completed: _____
 Total Length (m): 431 m

Date: 11/7/98
 Sampled by: TG
 Logged by: HS
 Laboratory used: _____

SAMPLING					SOIL HORIZON DEPTHS			TRENCH FLOOR					ASSAYS					
Sample No.	From	To	Bearing	Depth	MB	VF	GR	Lithol.	Colour	Joints	Shear's ^(Strike)	Veins	Au	Ag	As	Cu	Pb	Zn
29280	0	4	+3° → 030	1	✓	-	-	MB	Gray Brn	320 290 030 360 9 5 10 -	-	-	0.016		<1			
1	4	8	"	1.5	✓	-	-	"	pale purple	30 10	1 x 10cm (290)	-						
2	8	12	"	~1	✓	-	-	"	purple	6 8 5	-	-	0.013		8			
3	12	16	"	1	✓	-	-	"	++ dk gray	12 6 10	1 x 10cm (290)	-						
4	16	20	"	0.5	✓	-	-	"	purple	-	-	-	0.038		7			
5	20	24	+1.5° → 350	1	✓	-	-	"	orange to gray	15 20	1 x 5-10cm (290)	-						
6	24	28	"	1	✓	-	-	"	purple + pale gray	-	-	-	0.053		14			
7	28	32	"	1	✓	-	-	"	purple	-	1 x 20cm (290)	-						
8	32	36	"	1	✓	-	-	"	orange-brn	-	1 x 10cm to 5cm (290)	-	0.047		18			
9	36	40	"	1.5	✓	-	-	"	purple	-	1 x 25cm (290)	-						
29290	40	44	+3° → 340	1	✓	-	-	"	gray, pale or br	-	1 x 10cm	-	0.052		30			
1	44	48	"	1	✓	-	-	"	purple + brn	-	1 x 25cm	-						
2	48	52	"	1.25	✓	-	-	"	yell. orange	-	slightly fract ^d	-	0.021		7			
3	52	56	"	1	✓	-	-	"	purple brn	-	-	-						
4	56	60	"	3	✓	-	-	"	orange brn	-	several sl ^{ts} (290)	-	0.030		33			
5	60	64	"	2-3	✓	-	-	"	pale gray	-	-	-						
6	64	68	"	1	✓	-	-	"	pale brn	-	1 x 40cm 2 x 10cm (290)	-	0.010		2			
7	68	72	"	2-0.5	✓	-	-	"	purple	-	several sl ^{ts} (50)	-						
8	72	76	"	0.5	✓	-	-	"	gray-brn/purple	-	-	-	0.006		9			
9	76	80	+1 → 316	0.5	✓	-	-	"	brn/gray/or-yellow	-	-	-						
29300	80	84	"	2.5	✓	-	-	"	or-brn	-	2 x 20cm (290)	-	0.042		12			
1	84	88	"	2.5	✓	-	-	"	"	-	2 x 30cm (290)	-						
2	88	92	"	2-0.5	✓	-	-	"	pink/purple/gray	-	-	-	0.014		85			
3	92	96	"	0.5	✓	-	-	"	gray brn/pink	-	-	-						
4	96	100	"	1-2	✓	-	-	"	orange-brn	-	3 or 4 → 290	-	0.003		39			
5	100	104	+2 → 357	1	✓	-	-	"	brn - purple	-	-	-						
29306	104	108	"	1	✓	-	-	"	brn/or-brn	-	2 → 290	-	0.040		150			

(29307)

590084

Project: LISLE
 Prospect: COLD CREST
 Start Coord's: _____

Trench No.: 5
 Date Commenced: _____
 Date Completed: _____
 Total Length (m): _____

Date: 11/7/98
 Sampled by: TG
 Logged by: HS
 Laboratory used: _____

SAMPLING					SOIL HORIZON DEPTHS			TRENCH FLOOR					ASSAYS							
Sample No.	From	To	Bearing	Depth	A	B	C	Lithol.	Colour	Joints	Shears	Veins	Au	Ag	As	Cu	Pb	Zn		
29307	108	112	+2 → 337	2.5				MB	orange brown		mod. int. 290		0.038	96						
8		116	"	1.5				"			-									
9		120	"	1-1.5				"			Mod. 290 shear									
29310		124	"	~1				"	purple & brown		-		0.013	76						
11		128	"	1				"	orange brn											
12		132	+1 → 353	0.5				"	Brown				0.004	31						
13		136	"	"				"	"											
14		140	+1 → 008	0.5-0.75				"	"				0.009	30						
15		144	"	1				"	"											
16		148	"	1				"	"				0.005	8						
17		152	"	1.5				"	"											
18		156	"	2				"	"				0.023	97						
19		160	"	0.5				"	"											
29320		164	0° → 349	0.5-2				"	"				0.039	31						
21		168	"	2-1				"	"											
22		172	"	0.5-1.75				"	"				0.011	25						
23		176	0° → 336	1.75				"	"	Strong NWW	Mod. WNW									
24		180	"	1.75				"	"				0.027	24						
25		184	"	1.5				"	"		Mild ..									
26		188	"	1.5				"	"				0.028	24						
27		192	0° → 360	1				"	Purp-brn											
28		196	"	1				"	Brown				0.038	38						
29		200	"	1				"	"											
29330		204	0° → 012	1.5				"	"				0.020	43						
31		208	"	1				"	"											
32		212	"	1.5				"	"				0.017	33						
33		216	0° → 029	1.5				"	"											

590085

Project: LISLE
 Prospect: COLD CREST
 Start Coord's: _____

Trench No.: 5
 Date Commenced: _____
 Date Completed: _____
 Total Length (m): _____

Date: 12/17/98
 Sampled by: TC
 Logged by: HS
 Laboratory used: _____

SAMPLING					SOIL HORIZON DEPTHS			TRENCH FLOOR					ASSAYS					
Sample No.	From	To	Bearing	Depth	A	B	C	Lithol.	Colour	Joints	Shears	Veins	Au	Ag	As	Cu	Pb	Zn
29334	216	220	0°→029	1.5				MB	Brown	Strong	Strong WNW	-	0.012		15			
35		224	"	1.5-2				"	"	"	"	-						
36		228	"	1.5				"	"	Intense	"	-	0.008		47			
37		232	"	1.5				"	"	Strong	"	-						
38		236	"	1.5				"	"	"	"	-	0.012		40			
39		240	0°→009	1.5				"	"	"	"	-						
29340		244	"	1.5				"	"	"	"	-	0.005		16			
41		248	"	1.5				"	"	"	"	-						
42		252	"	1.5				"	"	"	"	-	0.013		10			
43		256	"	1.5				"	"	"	"	-						
44		260	"	1				"	"	"	Mod WNW	-	0.005		27			
45		264	0°→350	1				"	"	"	"	-						
46		268	"	1.5				"	"	Intense	"	-	0.008		22			
47		272	"	1				"	"	"	"	-						
48		276	"	0.75				"	"	Mod	"	-	0.002		21			
49		280	"	0.75				"	"	"	"	-						
29350		284	"	1.5				"	"	Strong	Strong WNW	-	0.008		15			
51		288	0°→002	1.5				"	"	"	"	-						
52		292	"	1				"	"	"	"	-	0.015		31			
53		296	"	1				"	"	Strong	"	-						
54		300	"	1				"	"	Mod	Mod WNW	-	0.024		49			
55		304	11°→352	1.5				"	"	"	"	-						
56		308	"	1.5				"	"	Strong	Strong WNW	-	0.028		43			
57		312	"	1.5				"	"	"	"	-						
58		316	"	1				"	"	"	"	-	0.017		43			
59		320	"	1				"	"	"	"	-						
29360		324	"	1				"	"	"	"	-	0.050		37			

29361

590086

Project: LISLE
 Prospect: GOLD CREST
 Start Coord's: _____

Trench No.: 5
 Date Commenced: _____
 Date Completed: _____
 Total Length (m): 431m

Date: 12/7/98
 Sampled by: TG
 Logged by: HS
 Laboratory used: _____

SAMPLING					SOIL HORIZON DEPTHS			TRENCH FLOOR					ASSAYS					
Sample No.	From	To	Bearing	Depth	A	B	C	Lithol.	Colour	Joints	Shears	Veins	Au	Ag	As	Cu	Pb	Zn
29361	324	328	+2 → 025	1				MB	Brown	Mod/Strong	Strong LNW	—						
62		332		0.5							" "	—	0.006		15			
63		336		0.5							" "	—						
64		340		1.5							" "	—	0.019		33			
65		344		1.5							" "	—						
66		348		2							Intense	—	0.037		311			
67		352	+2 → 006	2							Strong LNW	—						
68		356		1							" "	—	0.009		20			
69		360		1							" "	—						
29370		364		1.5							" "	—	0.004		26			
71		368		2								(5x) S-15c Qv's						
72		372		1.5								(3x) - Qv's	0.002		24			
73		376	+2 → 019	1							wk	Small Qv						
74		380		1								Intense Qv's	0.015		49			
75		384		1								S-10c Qv						
76		388		1								S-15c Qv (2r)	0.006		46			
77		392	+2 → 356	1								S-15c Qv's						
78		396		1								(3x) S-20c Qv's	0.002		36			
79		400		1								(3x) S-20c Qv's						
29380		404		1								(2x) - Qv's	0.002		22			
81		408		1								(2r) " "						
82		412	+3 → 008	1								(4x) " "	0.010		91			
83		416		1								(2x) S-30c Qv's						
84		420	+1 → 358	1								(3x) " "	0.060		71			
85		424		1								(2x) " "						
86		428		1								—	0.017		20			
tot	438	431	"	1								—						

EOT

590087

Project: LISLE
 Prospect: GOLD CREST
 Start Coord's: _____
 ADJ. AUGER SAMPLE 25814

Trench No.: 6
 Date Commenced: _____
 Date Completed: _____
 Total Length (m): 85m

Date: 12/7/98
 Sampled by: TG
 Logged by: HS
 Laboratory used: _____

SAMPLING				SOIL HORIZON DEPTHS			TRENCH FLOOR					ASSAYS						
Sample No.	From	To	Bearing	Depth	A	B	C	Lithol.	Colour	Joints	Shears	Veins	Au	Ag	As	Cu	Pb	Zn
29387	0	4	0° → 042	1				MB	Brown	mod.	30cm NW		0.003		52			
88	4	8	"	1							NW, NE shows							
89		12	0° → 029	1									0.047		111			
29390		16	"	1.5						strong	strong							
91		20	"	1.5						"	"		0.017		94			
92		24	-1° → 040	1.5						"	"							
93		28	"	1.5						"	"		0.006		96			
94		32	"	1						"	"							
95		36	-4° → 061	1.5						"	"		0.010		70			
96		40	"	1.5						"	"							
97		44	"	1.5						"	"		0.019		70			
98		48	"	2						"	"							
99		52	"	1						"	"		0.011		90			
29400		56	"	0.3						mod								
01		60	-8° → 074	0.5						mod-str	Mod		0.006		49			
2		64	"	0.3						mod	"							
3		68	"	0.25						"	"		0.006		30			
4		72	-9° → 055	0.5						"	Strong							
5		76	"	0.5						Strong	"		0.055		169			
6		80	-3° → 082	1.5						"	"							
29407		84	"	1						"	"		0.016		37			
BT		85	"	-														

590088

Project: LISLE
 Prospect: ENTERPRISE
 Start Coord's: _____

Trench No.: 7
 Date Commenced: July '98
 Date Completed: _____
 Total Length (m): 455 m

Date: July '98
 Sampled by: TG/TR/HS
 Logged by: HS
 Laboratory used: ANALABS (BURNIE)

SAMPLING					SOIL HORIZON DEPTHS			TRENCH FLOOR					ASSAYS					
Sample No.	From	To	Bearing	Depth	A	B	C	Lithol.	Colour	Joints	Shears	Veins	Au	Ag	As	Cu	Pb	Zn
29410	0	4	-10 → 077	1				MB	Creamy	Int 290, 055	HW 290+055	-	0.014		29			
29411	4	8	"	1.5					Orange Brn									
29412		12	"	1.5									0.017		68			
29413		16	"	1.5														
29414		20	"	2-1.5									0.047		56			
29415		24	"	1.5														
29416		28	"	1.5									0.031		33			
29417		32	"	1.5														
29418		36	-2 → 094	1.5									0.009		5			
29419		40	"	1.5														
29420		44	-2 → 126	1.5									0.008		32			
29421		48	"	1.5														
29422		52	-1 → 096	1.5									0.016		59			
29423		56	0 → 077	"														
29424		60	"	"									0.025		81			
29425		64	"	"														
29426		68	-1 → 098	1.5-0.7									0.050		207			
29427		72	"	0.5-1.5														
29428		76	"	1.5-1.0									0.100		1540			
29429		80	"	1														
29430		84	-5 → 082	0.5-1.5									0.012		406			
29431		88	"	1.5														
29432		92	"	0.3-1									0.006		99			
29433		96	"	1														
29434		100	"	0.5-1									0.008		159			
29435		104	-8 → 092	0.5-1.75														
(29436)		108	"	1.5									0.020		430			

{ (29437) }

590089

Project: LISLE
 Prospect: ENTERPRISE
 Start Coord's: _____

Trench No.: 7
 Date Commenced: _____
 Date Completed: _____
 Total Length (m): _____

Date: July '98
 Sampled by: TG/TR/HS
 Logged by: HS
 Laboratory used: Analabs (Burnie)

SAMPLING					SOIL HORIZON DEPTHS			TRENCH FLOOR					ASSAYS					
Sample No.	From	To	Bearing	Depth	A	B	C	Lithol.	Colour	Joints	Shears	Veins	Au	Ag	As	Cu	Pb	Zn
29437	108	112	-6→112	1-1.5				MB										
29438		116	"	"									0.027		223			
29439		120	"	"														
29440		124	"	"									0.016		162			
29441		128	-8→096	"														
29442		132	"	"									0.050		168			
29443		136	"	"														
29444		140	-9→104	"									0.041		338			
29445		144	"	"														
29446		148	"	"									0.035		556			
29447		152	-6→127	"														
29448		156	"	"									0.022		713			
29449		160	"	"														
29450		164	"	"									0.020		155			
29451		168	-12→095	"														
29452		172	"	"									0.057		297			
29453		176	"	"														
29454		180	"	"									0.056		531			
29455		184	"	"														
29456		188	"	"									0.058		956			
29457		192	"	"														
29458		196	"	"									0.055		1017			
29459		200	-10→101	"														
29460		204	"	"									0.031		493			
29461		208	"	"														
29462		212	-10→118	"									0.059		171			
29463		216	"	"														

590090

Project: LISLE
 Prospect: ENTERPRISE
 Start Coord's: _____

Trench No.: 7
 Date Commenced: _____
 Date Completed: _____
 Total Length (m): _____

Date: July 98
 Sampled by: TC/TR/HS
 Logged by: HS
 Laboratory used: Analebs (Burnie)

SAMPLING					SOIL HORIZON DEPTHS			TRENCH FLOOR					ASSAYS					
Sample No.	From	To	Bearing	Depth	A	B	C	Lithol.	Colour	Joints	Shears	Veins	Au	Ag	As	Cu	Pb	Zn
29464	216	220	-10 → 118	1-1.5				MB					0.036		380			
29465		224	"	"														
29466		228	"	"									0.048		379			
29467		232	-10 → 109	"														
29468		236	"	"									0.074		926			
29469		240	"	"														
29470		244	-5 → 121	"									0.073		717			
29471		248	"	"														
29472		252	-3 → 133	"									0.042		136			
29473		256	"	"														
29474		260	"	"									0.017		70			
29475		264	"	"														
29476		268	"	"									0.016		117			
29477		272	"	"														
29478		276	-3 → 120	"									0.025		48			
29479		280	"	"														
29480		284	0 → 108	"									0.026		78			
29481		288	"	"														
29482		292	"	"									0.049		56			
29483		296	"	"														
29484		300	"	"									0.047		544			
29485		304	"	"														
29486		308	"	"									0.172		812			
29487		312	"	"														
29488		316	"	"									0.122		731			
29489		320	0 → 103	"														
29490		324	"	"				V					0.200		163			

(29491)

590091

Project: LISE
 Prospect: ENTERPRISE
 Start Coord's: _____

Trench No.: 7
 Date Commenced: _____
 Date Completed: _____
 Total Length (m): _____

Date: July '98
 Sampled by: TA/IR/H5
 Logged by: H5
 Laboratory used: Andalco (Bernie)

SAMPLING					SOIL HORIZON DEPTHS			TRENCH FLOOR					ASSAYS					
Sample No.	From	To	Bearing	Depth	A	B	C	Lithol.	Colour	Joints	Shears	Veins	Au	Ag	As	Cu	Pb	Zn
29491	324	328	0 → 103	1-1.5				MB										
29492		332	0 → 121	"									0.249		189			
29493		336	"	"														
29494		340	"	"									0.142		92			
29495		344	"	"														
29496		348	"	"									0.047		66			
29497		352	-2 → 106	"														
29498		356											0.020		21			
29499		360																
29500		364											0.034		27			
29579		368	-1 → 119										0.066		39			
29580		372	-2 → 140															
29581		376	"										0.030		53			
29582		380	"															
29583		384	"										0.024		46			
29584		388	"															
29585		392	"										0.044		199			
29586		396	"															
29587		400	-5 → 123										0.049		129			
29588		404	"															
29589		408	"										0.046		36			
29590		412	-1 → 144															
29591		416	3 → 169										0.038		24			
29592		420	"															
29593		424	"										0.046		31			
29594		428	0 → 147															
29595		432	"					↓					0.038		24			

{ 29596 }

590092

Project: LISLE
 Prospect: ENTERPRISE
 Start Coord's: _____

Trench No.: 8
 Date Commenced: _____
 Date Completed: _____
 Total Length (m): 170

Date: July '98
 Sampled by: TA/HS
 Logged by: HS
 Laboratory used: ANALABS (Burnie)

SAMPLING					SOIL HORIZON DEPTHS			TRENCH FLOOR					ASSAYS (ppm)					
Sample No.	From	To	Bearing	Depth	A	B	C	Lithol.	Colour	Joints	Shears	Veins	Au	Ag	As	Cu	Pb	Zn
29601	0	4	-2 → 142	1				MB	Brown	S 330 (483 → 240)	S-V. -290-310 Common	-	0.016		32			
29602	4	8	"	"				"	"	Intermittent		F-10cm s.d. 330 (455-75 → 240)						
29603		12	-4 → 150	-				"	"				0.017		28			
29604		16	"	"				"	"									
29605		20	"	"				"	"		✓✓		0.048		117			
29606		24	"	"				"	"		✓✓							
29607		28	"	"				"	"		✓✓		0.059		142			
29608		32	-5 → 160	"				"	"		✓✓							
29609		36	"	1-1.5				"	"		✓✓		0.025		131			
29610		40	"	"				"	"		✓✓							
29611		44	"	"				"	"			F-50:175 (28 → 085)	0.070		89			
29612		48	"	"				"	"									
29613		52	"	"				"	"				0.039		56			
29614		56	-8 → 131	"				"	"									
29615		60	"	"				"	"				0.029		29			
29616		64	"	1.5-2				"	"		✓✓							
29617		68	"	2-1				"	"				0.020		29			
29618		72	-6 → 153	1-1.5				"	"		✓✓							
29619		76	"	"				"	"		✓✓		0.030		3			
29620		80	"	"				"	"		✓✓							
29621		84	"	"				"	"		✓✓		0.022		12			
29622		88	-5 → 133	"				"	"									
29623		92	"	"				"	"		✓✓		0.012		1			
29624		96	-8 → 112	"				"	"		✓✓							
29625		100	"	"				"	"		✓✓		0.016		14			
29626		104	"	"				"	"									
29627		108	"	"				"	"		✓✓		0.020		11			

{ 29628 }

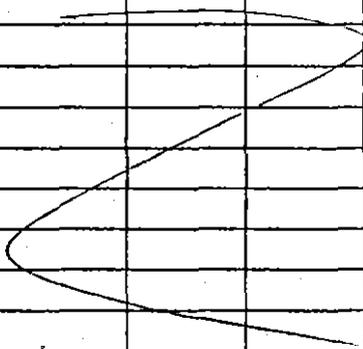
590094

Project: LISLE
 Prospect: ENTERPRISE
 Start Coord's: _____

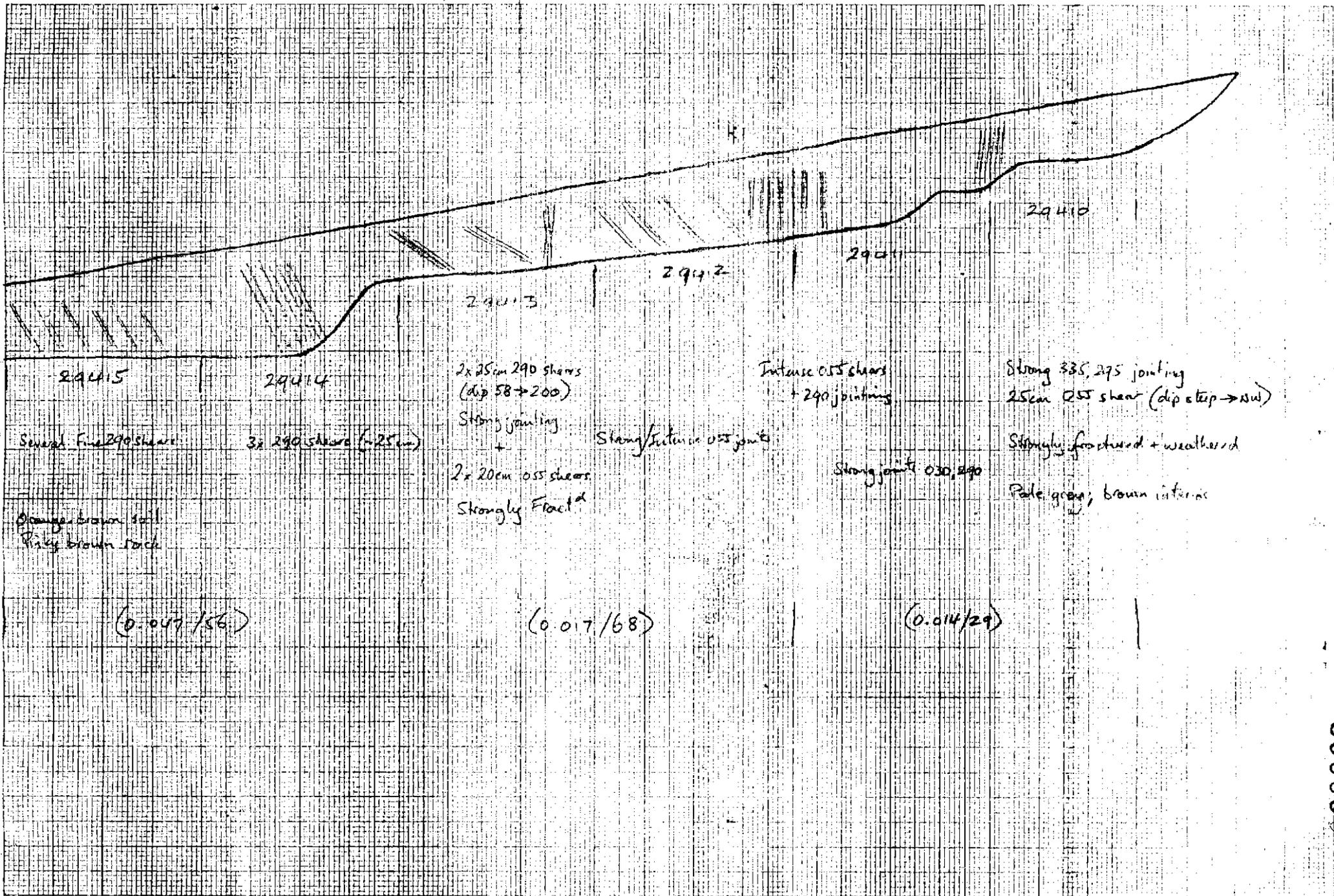
Trench No.: 8
 Date Commenced: _____
 Date Completed: _____
 Total Length (m): 170

Date: July '98
 Sampled by: TC/HS
 Logged by: HS
 Laboratory used: ANALABS (Burnie)

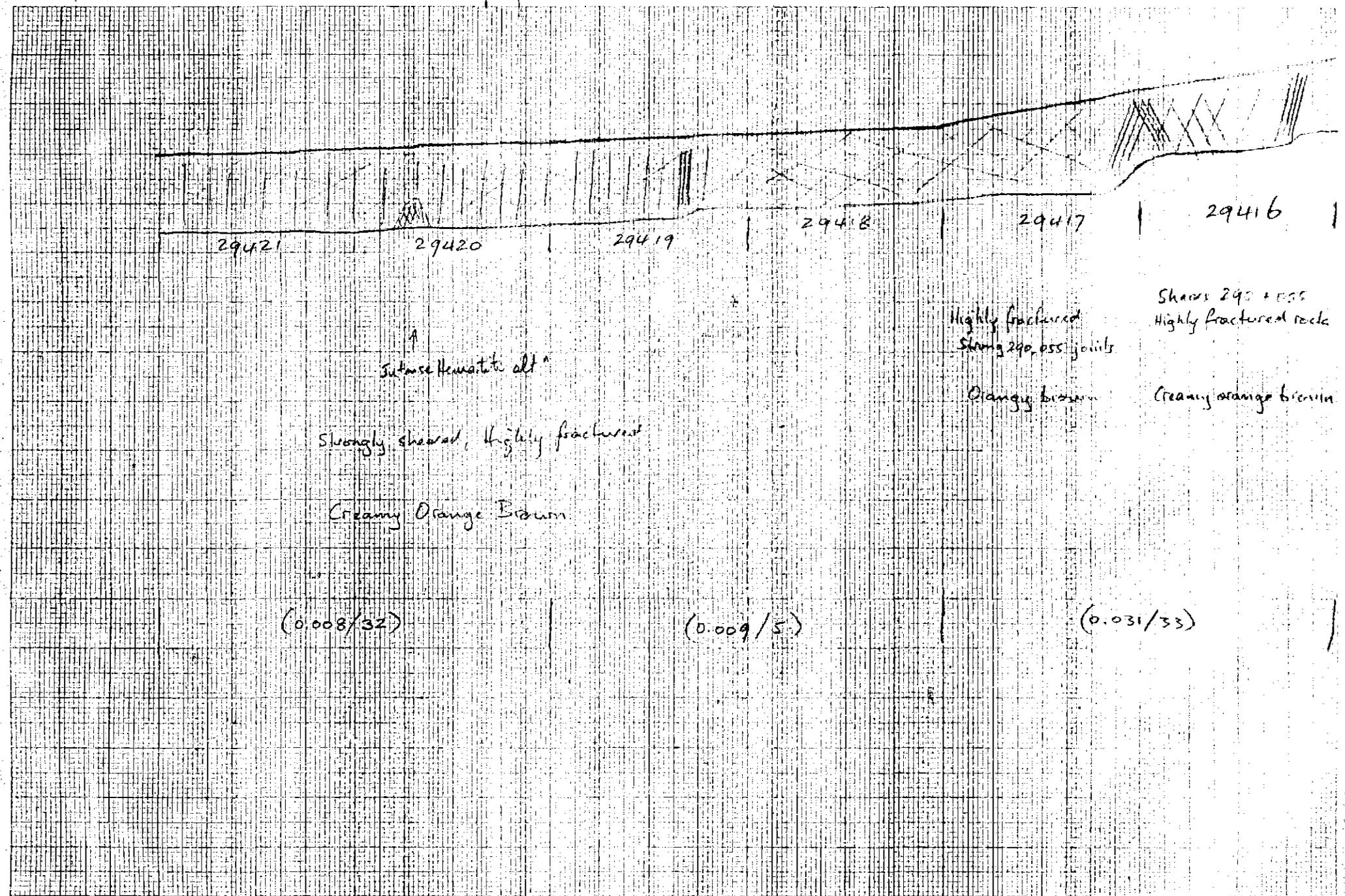
SAMPLING					SOIL HORIZON DEPTHS			TRENCH FLOOR					ASSAYS (ppm)					
Sample No.	From	To	Bearing	Depth	A	B	C	Lithol.	Colour	Joints	Shears	Veins	Au	Ag	As	Cu	Pb	Zn
29628	108	112	-5 → 111	1-1.5				MB			✓✓							
29629		116	-8 → 139	"				"					0.023		9			
29630		120	"	"				"			✓✓							
29631		124	"	"				"					0.052		52			
29632		128	"	"				"			✓✓							
29633		132	"	"				"			✓✓		0.150		6			
29634		136	"	"				"										
29635		140	"	"				"					0.049		4			
29636		144	-6 → 150	"				"			✓✓							
29637		148	"	"				"			✓✓		0.022		14			
29638		152	-7 → 140	"				"										
29639		156	"	"				"			✓✓		0.037		11			
29640		160	"	"				"										
29641		164	"	"				"			✓✓		0.013		59			
29642		168	"	"				"										
EOT	168	170	"	"				"										



590095



590096



590097

590098

(0.016/39)

(0.025/81)

(0.050/207)

Note: Apparent extent of shearing concentrated by branch orientation intersecting shear at a narrow angle.

← Intensely Fractured →

3 x 30cm 290 shear

Orange Brown rock
Dark Purple-Brown rock
Grey Soil
Orange soil
Orange Brown rock
Orange soil
Entrance 0.50 joint,
Minor 0.30 shear

29422

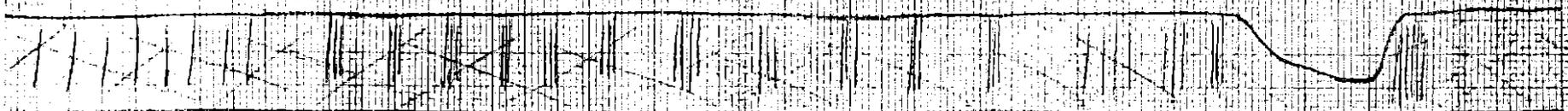
29423

29424

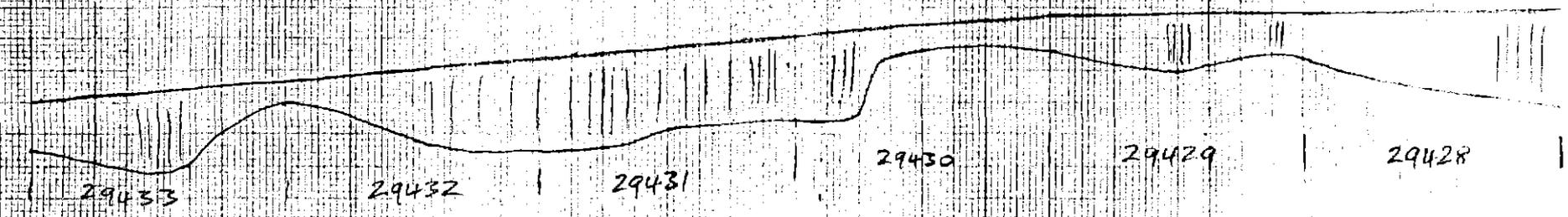
29425

29426

29427



11/17/82



29433

29432

29431

29430

29429

29428

Purple-Brown rock

Purple rock

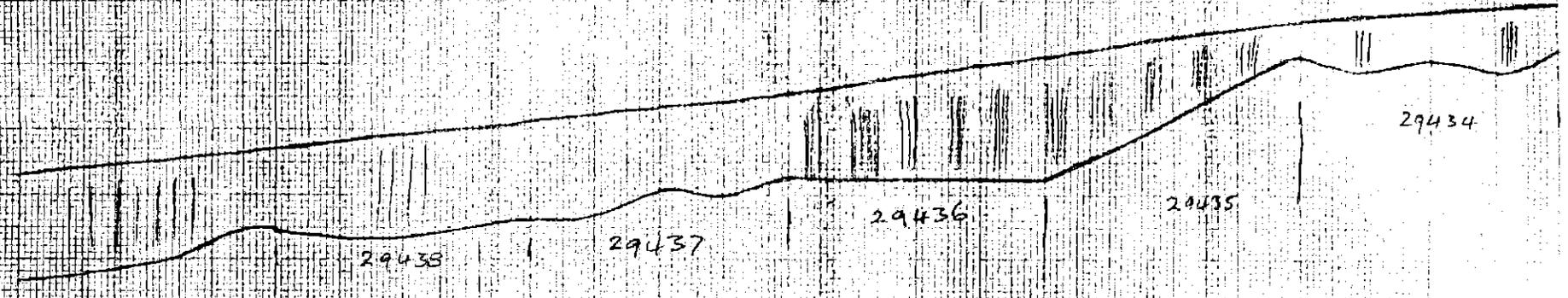
Orange-Brown Soil
Purple-Brown Rock

Abundant WNW shear, Extremely fractured

(0.006/90)

(0.012/466)

(0.100/1540)



29439

29438

29437

29436

29435

29434

Intense 318 shear
 Slony cleavage (+330) + // shear
 Intense 260, 320 fault

Rock: brown

Rock: dk. purple-brown

Rock: purple-brown

Yellow-Orange

Trench follows strike
 of 290 shear

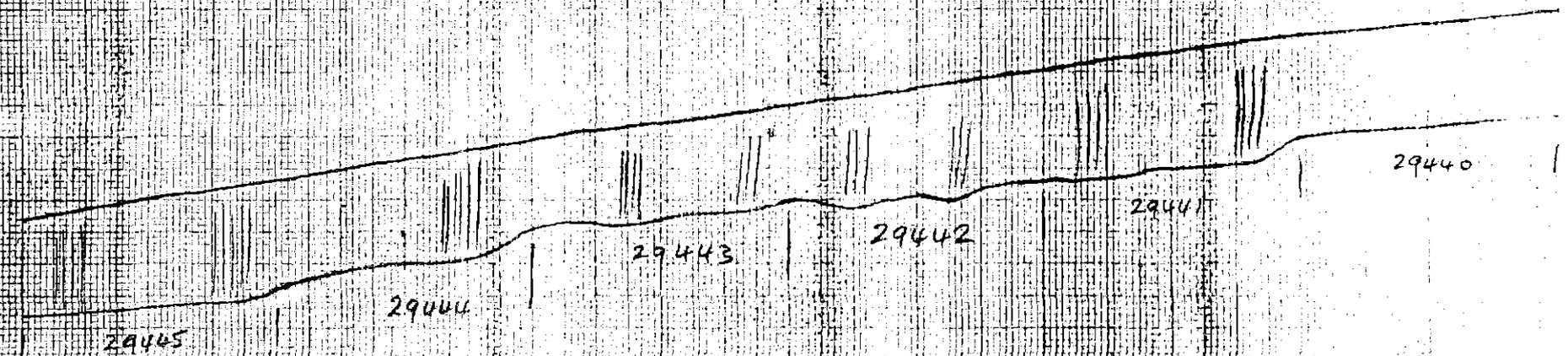
Intensely fractured + jointed

(0.027/223)

(0.020/430)

(0.008/159)

590100



29445

29444

29443

29442

29441

29440

Shear 310

Pink-brown rock

Purple-brn rock

Brown rock

Purple-brown rock

Brown rock

Yellow-Orange Soil

Yellow-orange soil/surfaces

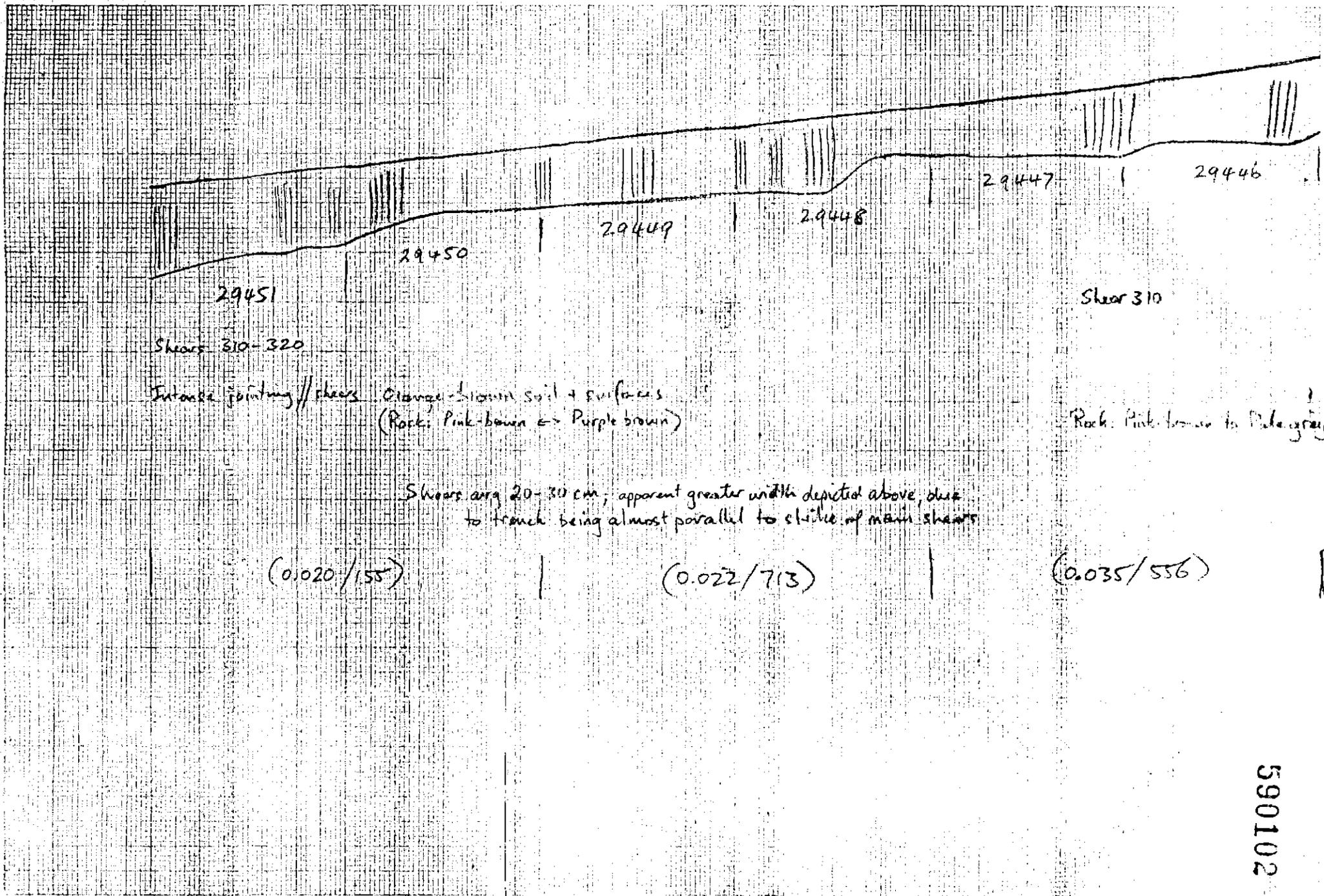
Intensely jointed + fragmented (Trench follows strike of 290 shear)

(0.041/338)

(0.050/168)

(0.016/162)

590101



29451
Shears 310-320

Intense jointing // shears
Orange-brown soil + surfaces
(Rock: Pink-brown ↔ Purple brown)

Shears avg 20-30 cm; apparent greater width depicted above, due to trench being almost parallel to strike of main shears

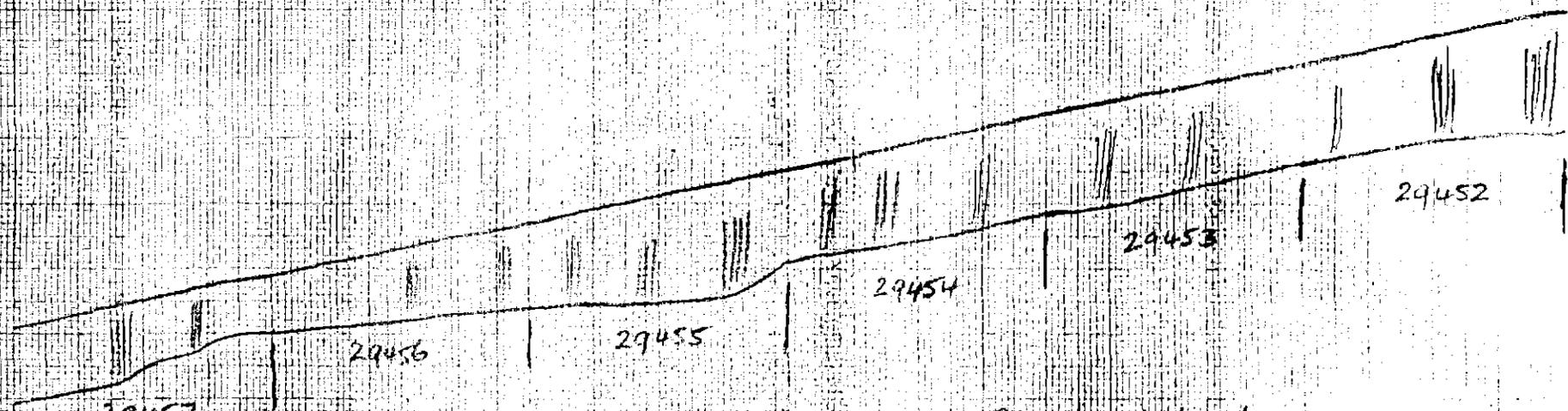
Shear 310
Rock: Pink-brown to Pale grey

(0.020/155)

(0.022/713)

(0.035/556)

590102



29457

29456

29455

29454

29453

29452

Shears ~ 300

Yellow-orange soil
Brown rock

Orange-brown soil, surfaces
Dk Purple-brown rock

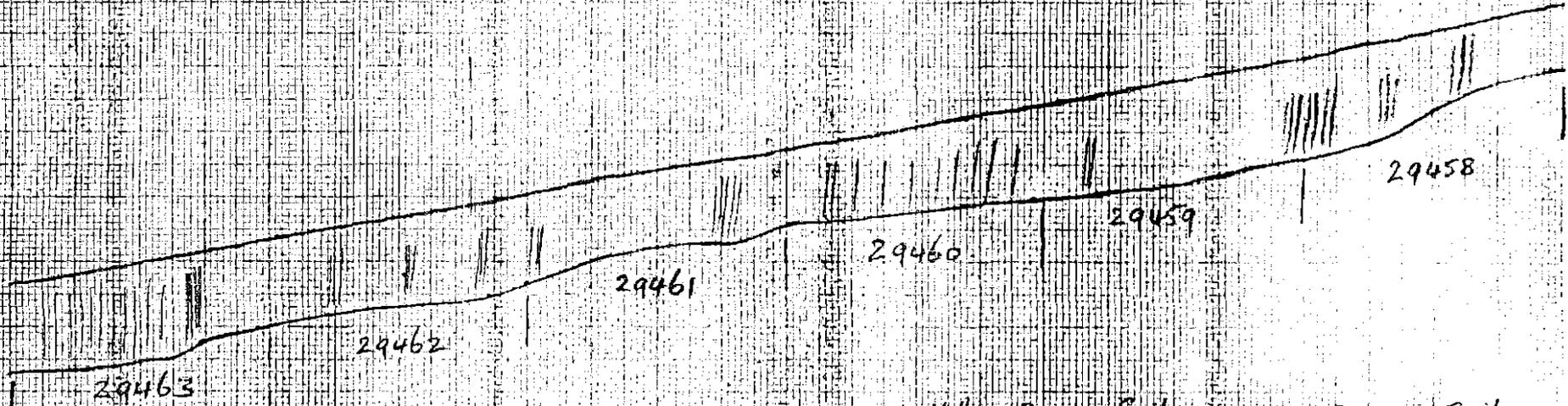
(Widths of shears ^{appear} narrower as trench deviates from strike of shears)

(0.058/956)

(0.056/531)

(0.057/297)

590103



29463
 Yellow-Orange Soil
 Brown Rock

Shears 250-300
 Strongly jointed + fragmented

(0.059/171)

rock: pink-brown

Shears 250-300

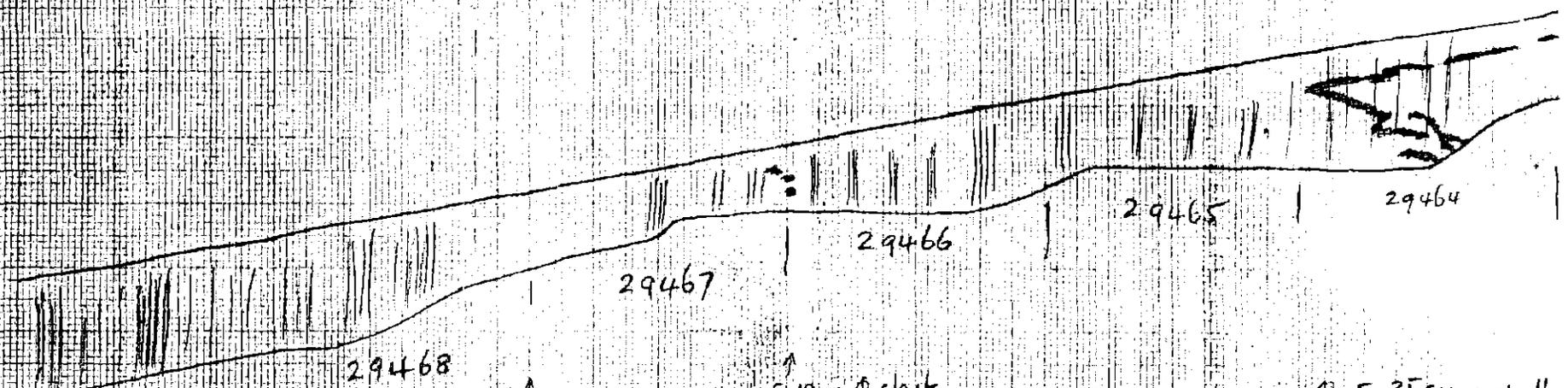
(0.031/493)

29460
 Yellow-Orange Soil
 Brown Rock

Shears 290-305

29459
 Brown Soil
 Rock: purple to brown

(0.055/1017)



29469

29468

29467

29466

29465

29464

↑ Intense joints 330
 & 070/250. Fine Qrs
 (to 1cm) in some 070 joints
 ↑ 20cm joints, 320

↑ 5-10mm Q clasts

↑ 20-30cm Shears (290-310)

Shears 330 & 070
 (3cm depth, 10-50cm)
 Intense jointing // shears

(0.074/926)

(0.048/379)

(0.036/380)

Qv 5-25cm; v. shallow
 dip; strike appears to
 vary 290-330;
 Probably extensive in a
 similar manner to the
 Qv swarm in Travel 5.

590105



29475

29474

29473

29472

29471

29470

Intense 330 + 070
joints + shears

Intensely fractured, sheared
+ / or faulted

Brown rock fragments

Intense, broad 290 shear/fault
+ intense 055 joints

Orange-yellow Soil, Brown rock

(0.017 / 70)

(0.042 / 136)

(0.073 / 717)

590106



29487

29486

29485

29484

29483

29482

Orange + grey soil, blown rock

Strong shear, 300

Strong 300, 055 shear + joints

Strong cleavage S40 300
Dip 42 → 210

← Mottled coarse-grained beds in MB.
weather → purple-brown with
coarse yellowish clasts to 10mm

(0.172/812)

(0.047/544)

(0.049/56)

590108

29493

29492

29491

29490

29489

29488

Shears + strong cleavage in 300-310

Creamy Yellow Orange Soil
Grey - Bitum rock

(0.209/189)

(0.200/163)

(0.122/731)

590109



29499

29498

29497

29496

29495

29494

Highly fragmented + jointed

Creamy Yellow - Orange Soil

Brown / Pinkish brown rock

(0.020/21)

(0.047/66)

(0.142/92)

590110



29583

29582

29581

29580

29579

29500

Orange-Brown

Rare pink-ben. rock at base

mottled grey-brown

Intense shear - 320

← joints 300 (dip 56 → 210)

Intensely fragmented rock/soil

Trench orientation sub// shear strikes

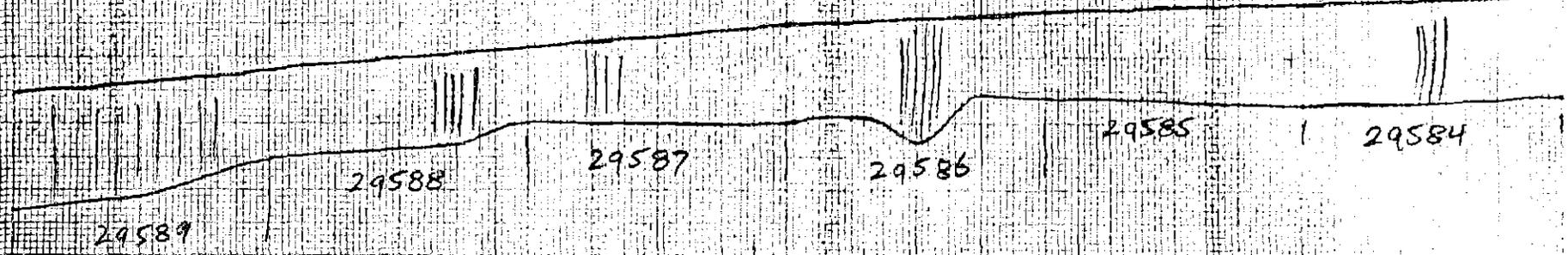
← (0.024/46)

(0.030/53)

(0.066/39)

(0.034/27)

590111



29589

29588

29587

29586

29585

29584

Strongly fragmented, fractured.

Orange-brown

(Beds in MB still mottled)

← (0.046/36)

(0.049/129)

(0.044/199)

(0.024/46)



29595

29594

29593

29592

29591

29590

Very Intense jointing (~300)

Orange-brown soil

Brown rock

← (0.038/24)

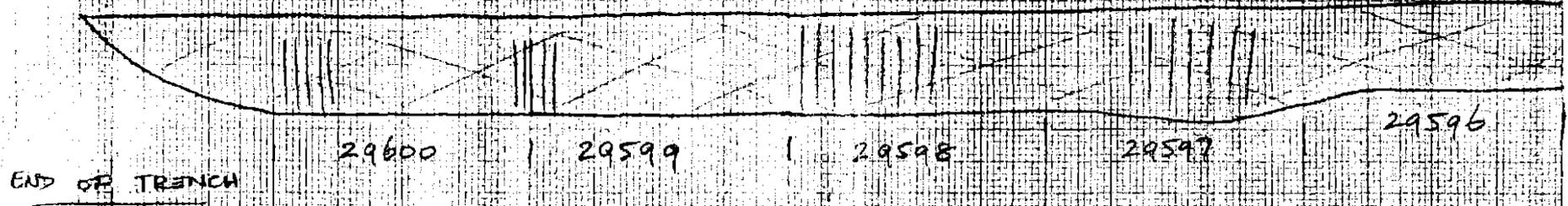
(0.046/31)

(0.047/25)

(0.046/36)

590114

Page 19/19



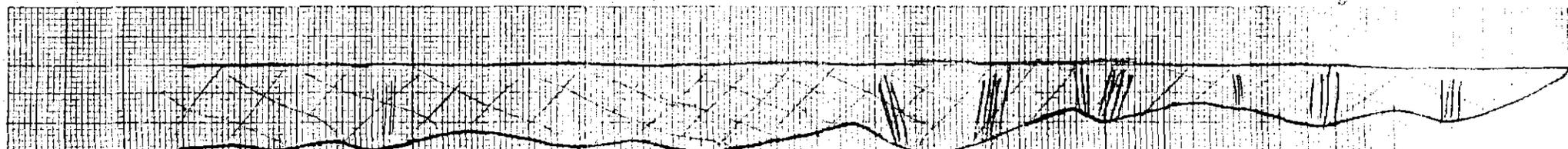
Intense jointing + shears

Rare Q_z clasts in soil

(0.126/37)

(0.032/70)

(0.038/24)



29392

29391

29390

29389

29388

29387

Steep 050 joints
+ minor shears

Highly fract.

Pale Brown/Brown

(0.017/94)

Intensely jointed
and weathered

(creamy orange brown)
clay

(0.047/111)

↑
20cm Shear
SLR 057

↑
35cm Shear
SLR 340

↑
15cm 055 shear

30cm 330 shear

purple brown

↑
10cm 314 shear

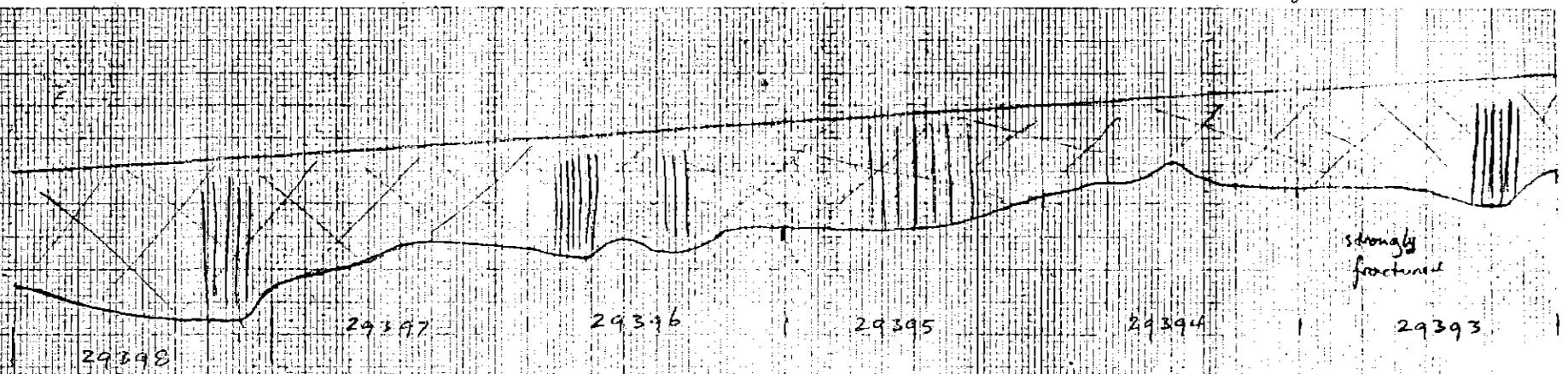
↑
30cm 335 shear

pinkish brown

Distance 055 joints
(~20/m)
localized N-S j's (~10/m)

Pale Brown rock.

(0.003/52)



29398

29397

29396

29395

29394

29393

strongly fractured

Orange-creamy yellow

(40-130) Sheared, fractured + strongly weathered

(0.019/70)

Intense shear (1m wide), strike 290 dip 29-300

gray + orange-brown

Strongly weathered

(0.010/70)

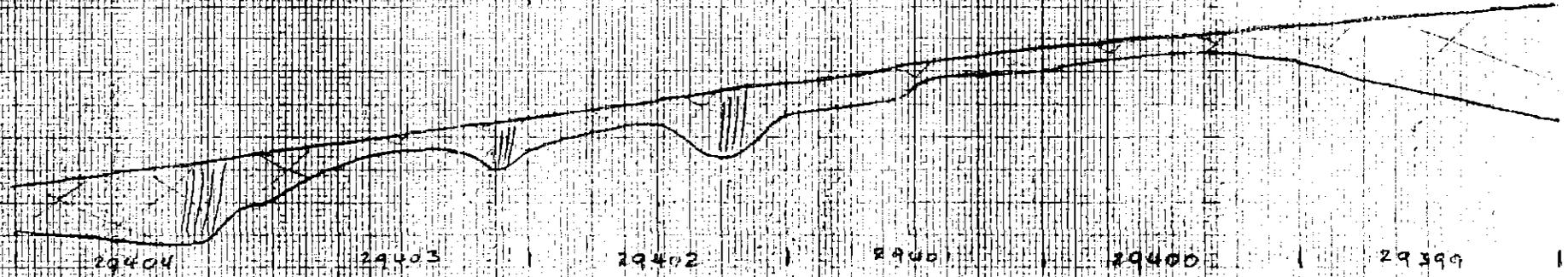
Shear 330 (intense, 35-40cm) + 074 (weak, 10cm)

Intensely fractured Strong 074 jointing

30cm shear strike 330

orange-brown

(0.006/96)



29404

29403

29402

29401

29400

29399

Strong 290 shear (25cm)

Intense 290 jointing

(0.006/30)

Pale-brown

Intense shear (no dense dirt visible)

Pale pinky brown

(0.006/49)

Brownish gray, interior rock is purple-brown

Strong N-S, E-W joints

(0.011/90)

Orange-brown



End of Trench | 29407 | 29406 | 29405 |

↑
15-20m 310 shear
Intense 310 jointing

Strongly fractured
+ jointed

Intensely sheared,
strongly weathered

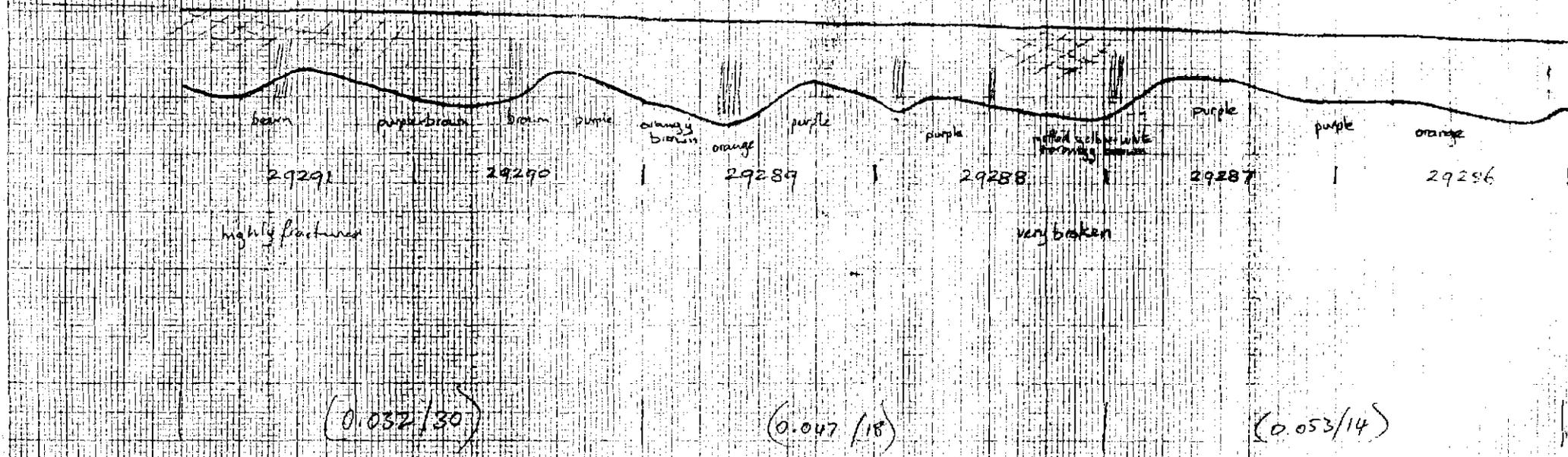
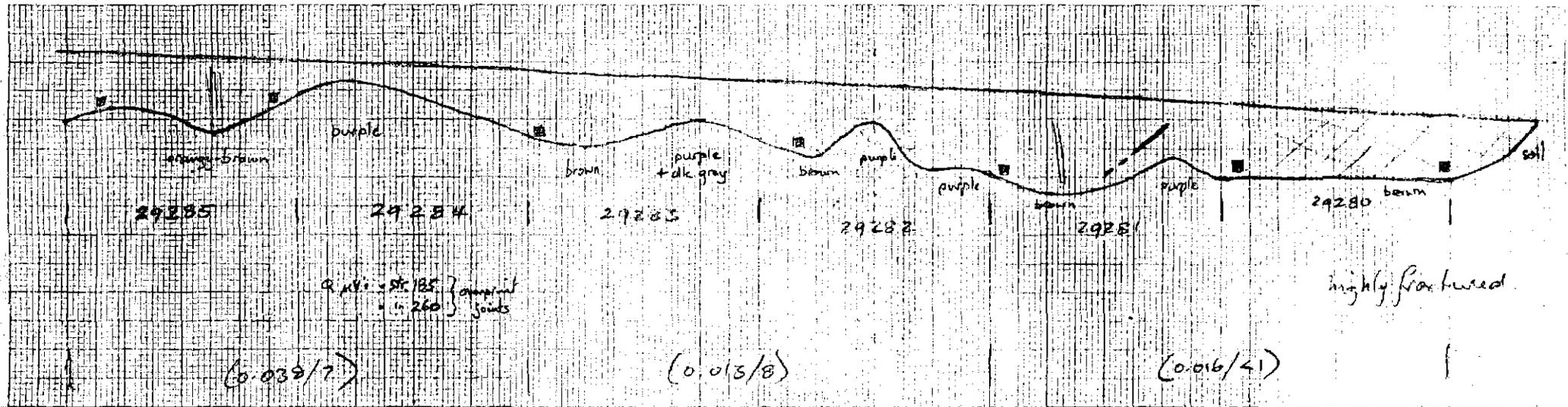
Orangy brown

Creamy orange-yellow (with inter. pink-brn) Orange-brn

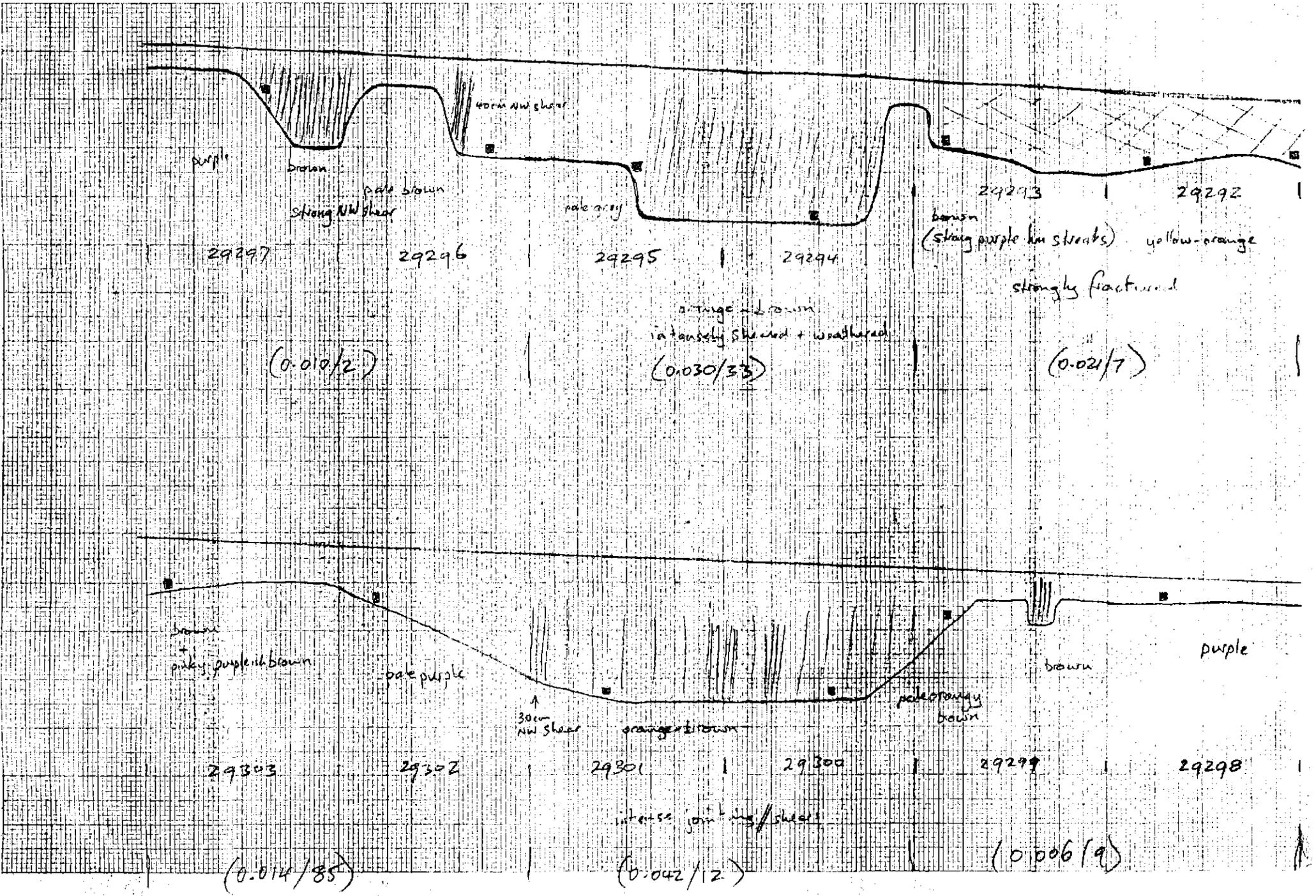
(D. 016/37)

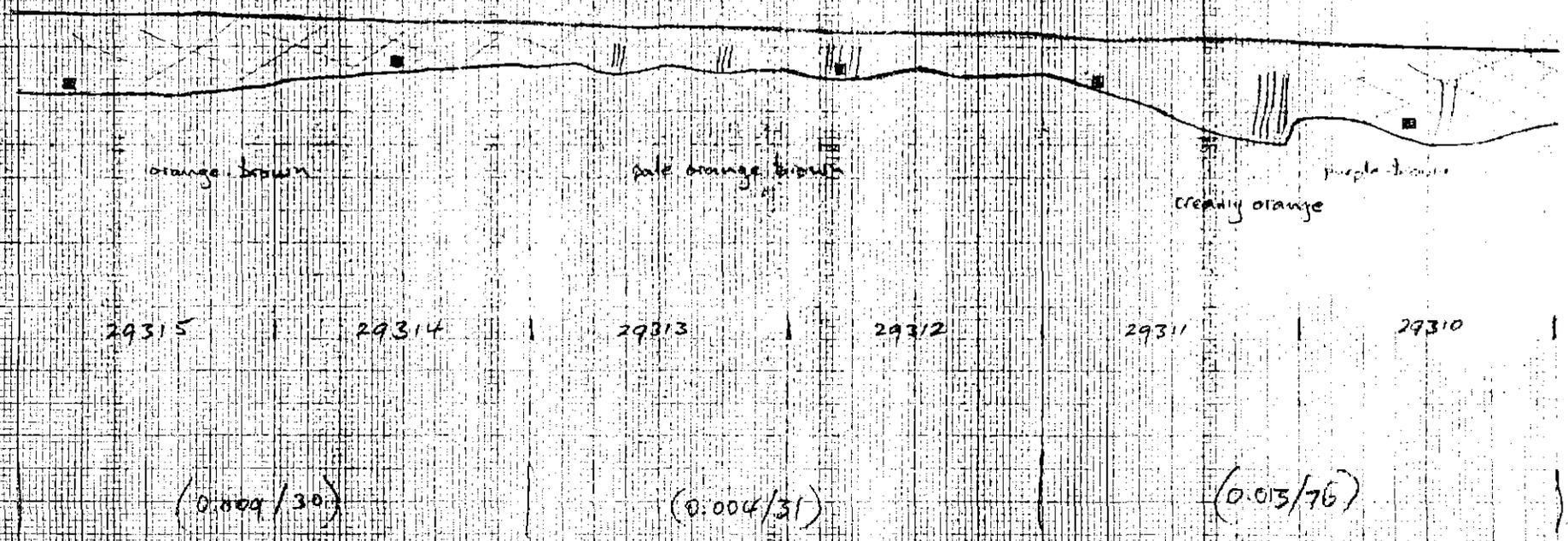
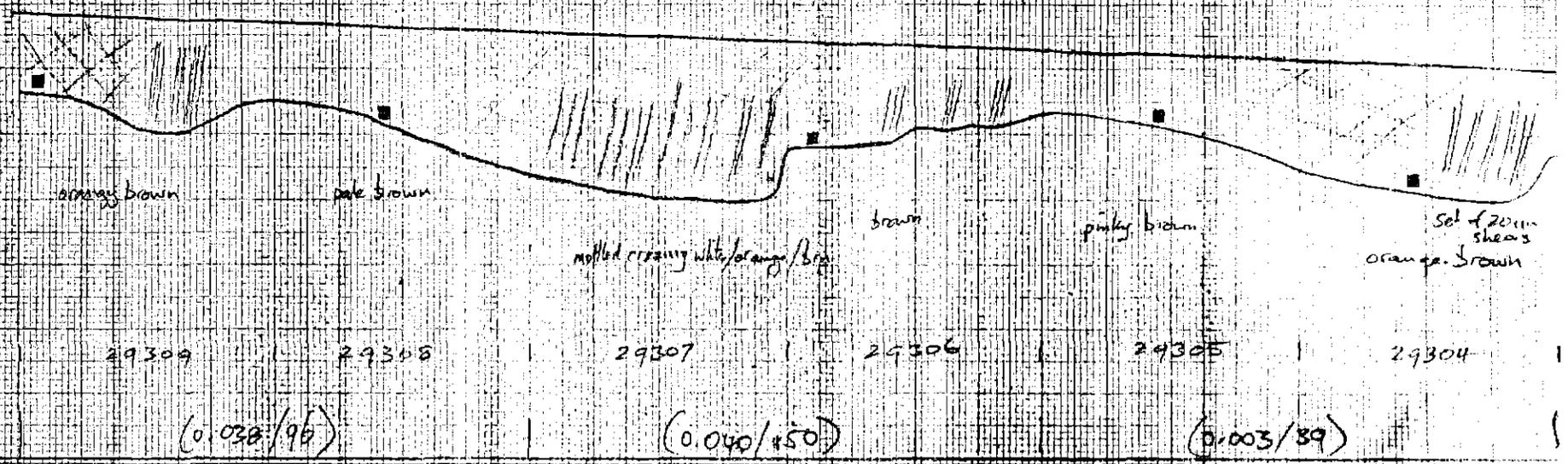
(D. 055/169)

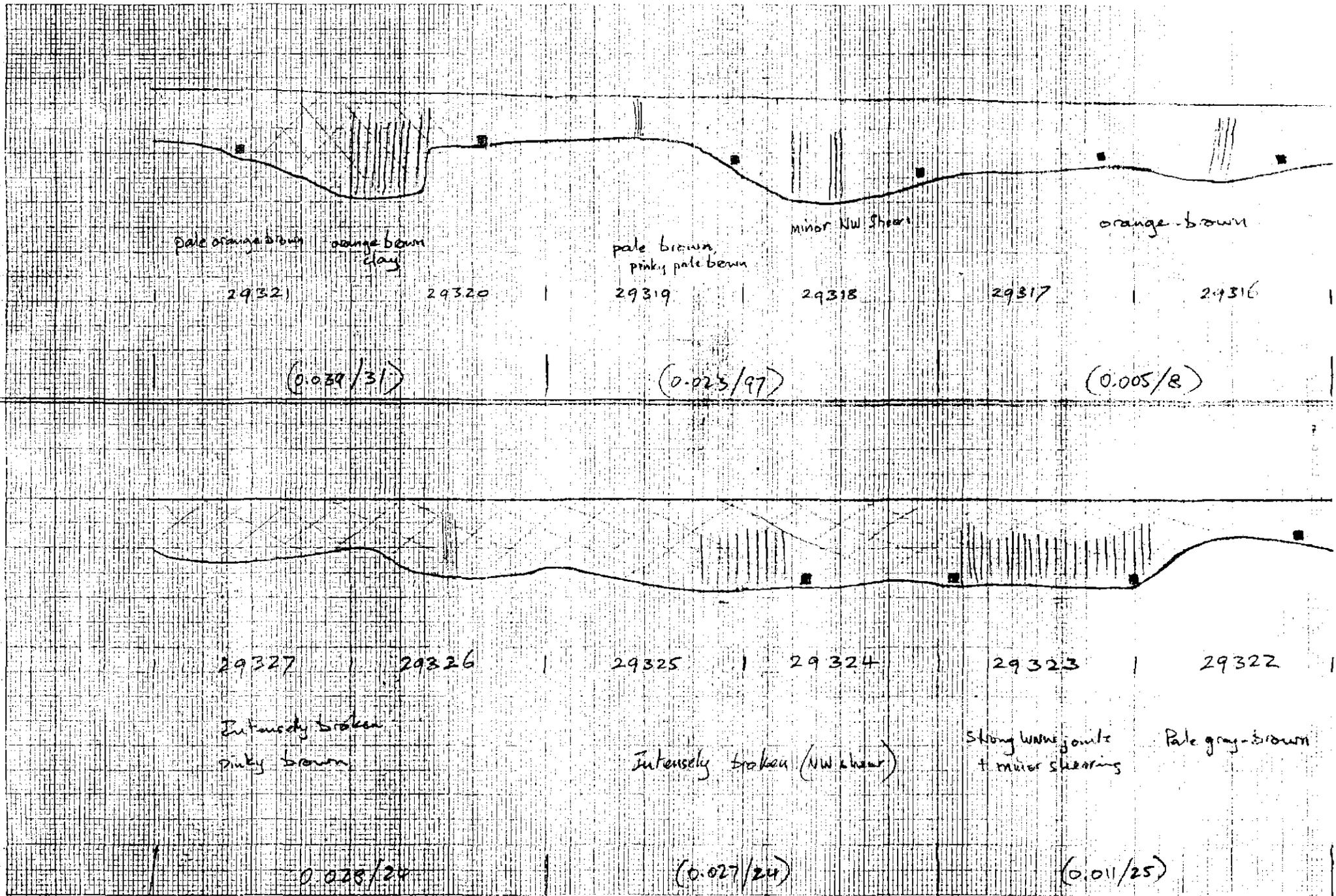
590117



590118









29333	29332	29331	29330	29329	29328
(Pinkish) Pale Brown		Pale brown	Brown		↑ Sun Or // shear
Intense shears		Strong NW joints	Mod. Intense NW shears		Orange brown
(0.017/33)		(0.020/43)			(0.038/38)



29339	29338	29337	29336	29335	29334
Strong cleavage / mild shearing					
Slightly fractured		Intensely sheared, creamy yellow-orange-brown clay,			
		gray-orangey brown rock			
(0.012/40)		(0.008/47)		(0.012/15)	



29345 | 29344 | 29343 | 29342 | 29341 | 29340

N. Strong NN Cleavage
Purple Brown rock
(0.005/27)

15m pale gray joint
10cm NW Shear

Strong WNW cleavage Strongly Fractured
Pale Brown
(0.003/10) (0.005/16)



29351 | 29350 | 29349 | 29348 | 29347 | 29346

Abundant WNW Shears,
Strong jointing 330
(0.008/12)

Intense 25cm shear
Intense joints 325
dip 36 → 230
(0.002/21)

Orange brown
Rock interior pinky/purple brown
(0.008/22)

(Aug 25 1999)



29357 | 29356 | 29355 | 29354 | 29353 | 29352

↑
2x 10cm Q's, str. 292
dip 30 → 202
No visible sulfides
but rare rusted blots to 3mm
(not cubic)

Highly Fractured
Very Strong joint stain 320
Orange/Brown
(0.015/31)

(0.028/43)



29363 | 29362 | 29361 | 29360 | 29359 | 29358

Pale creamy orange-brown;
Cobbles have pale brown interior

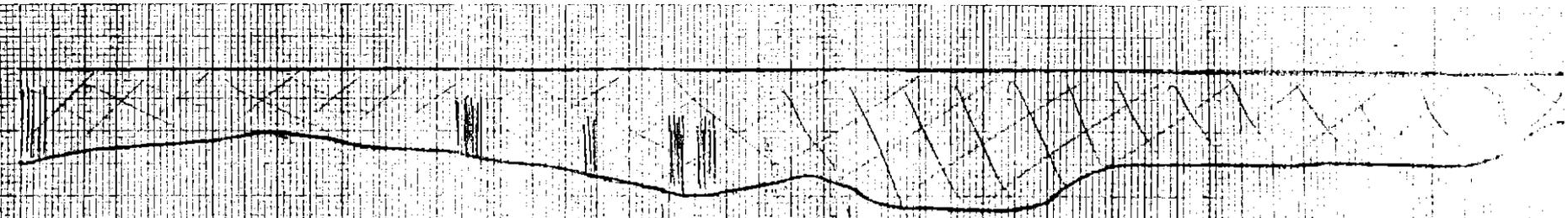
Cobbles - dk brown interior

Very strong 320 cleavage

(0.006/15)

(0.050/37)

(0.019/43)



29369 | 29368 | 29367 | 29366 | 29365 | 29364

Vallies Orange - Pale Brown

Intensely fractured

(0.009/20)

(0.037/31)

(0.019/33)



29375 | 29374 | 29373 | 29372 | 29371 | 29370

↑
5-15cm Qv's
sl. 291
dip 38 → 201
obs. 37 → 203
+ 40 → 197

↑
5cm Qv
sl. 289
dip 49 → 199

Qv's to 50cm
anastomose w/
varying widths
sl. 292
d. 50 → 202

5-10cm Qv's
d. 38 → 195
sl. 285

[29374A]
(0.008/34)

[29372A]
(0.005/48)

[29371A]
(0.006/95)

Rock highly fractured + altered

(0.015/49)

(0.003/24)

(0.004/26)



29381

29380

29379

29378

29377

29376

↑
20cm Qv
St 287
dip 34 → 197

↑
Qv 10cm
St 293
dip 40 → 203

↑
15cm Qv
-20cm
St 294
dip 41 → 204

↑
15-10cm Qv
↑
20-25cm Qv
↑ (dip 25-35 → St)

↑
20cm Qv
St 295
small dip 15-25 → 205
[29378A]
(0.002/22)

↑
10-15cm Qv
St 308
dip 18 → 218

↑
10cm
Shear
-290

↑
5-10cm Qv
St 292
dip 41 → 202

↑
5-10cm Qv
St 293
dip 39 → 20

[29379A]
(0.002/10)

Pale pinkish gray brown. Rocks: pale orange brown

Pale orange brown
Strong joints: 320 str (~8/m)
+ 290 .. (~4/m) dip 15 → 202
+ 050 .. (~10/m)

Complex Qv's - appear to be infilling shear plane of shallow dip (~35 → 090) while in plane of 295 strike.

∴ 2 planes of fracturing/movement
+ ? extension

(0.002/22)

(0.002/36)

(0.006/46)

EDT

29386

29385

29384

29383

29382

↑
Orange-Brown
Qv fragments in
spit at mid of
excavation;
Also scattered on/in soil.

↑
5-15cm Qv
str 295
↑
lattice jointing
str 280 (~40/m)

↑
3cm Qv
str 293

↑
10-15cm Qv
str 295

↑
str 298
~10cm

↑
10-35cm Qv
str 295
dip 34 → 205

pale gray-Brown

Orange-Brown

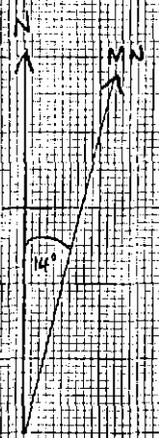
(0.017/20)

(0.060/71)

(0.010/91)

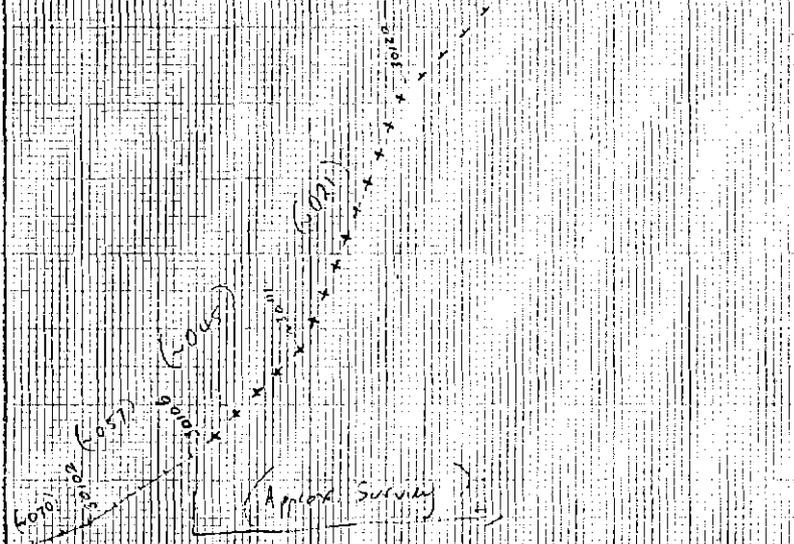
GORMACK GRAPH PAPERS © C101Y 19 cm x 28 cm in mm

K 103 20 TP NC KE PM 00 (Sec T, 30)



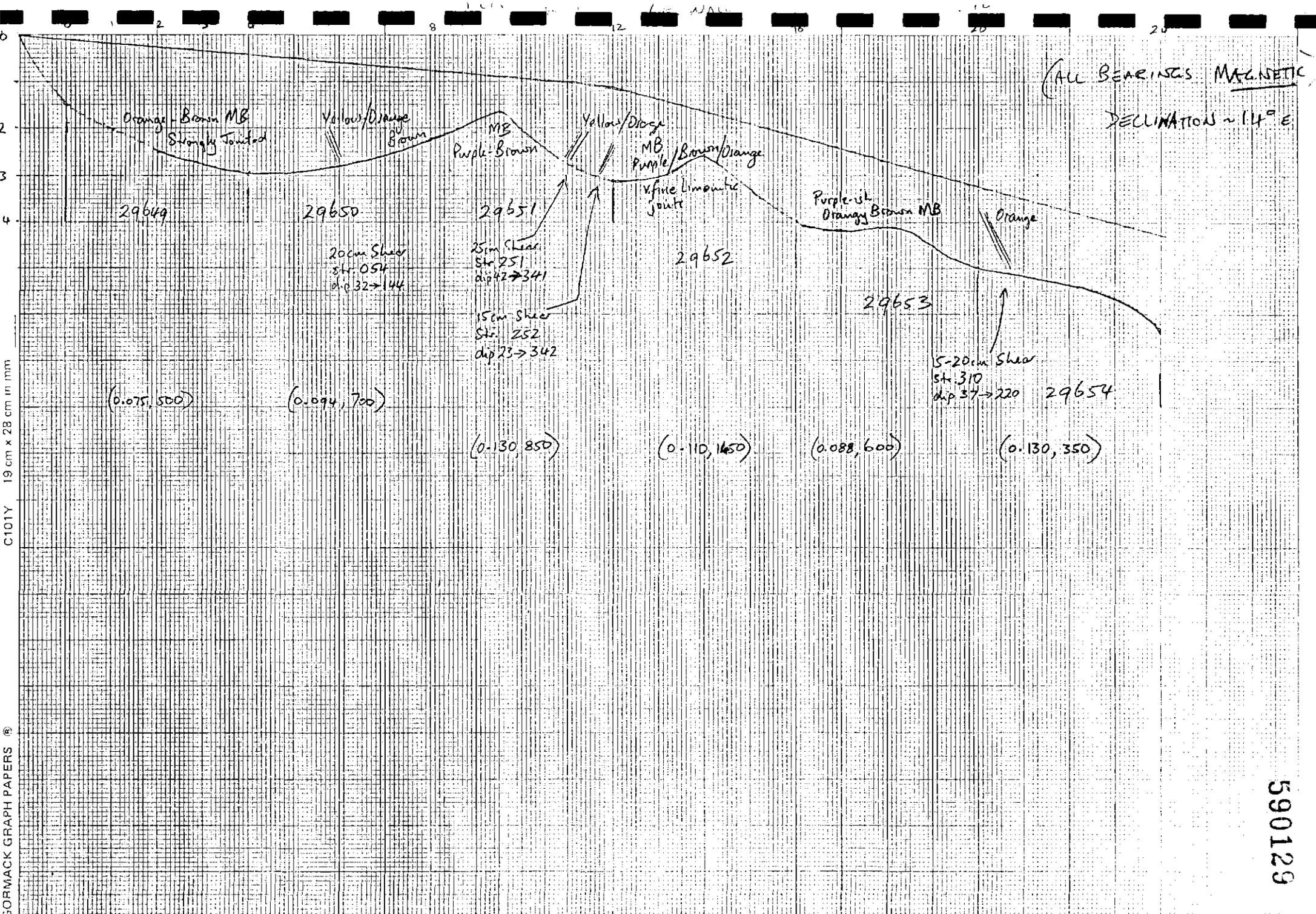
42040 N
3000
3000
Genuine Lined
Removable VE

24800 E
3000



65' (2 m from bend in track,
"at" water race)

590128

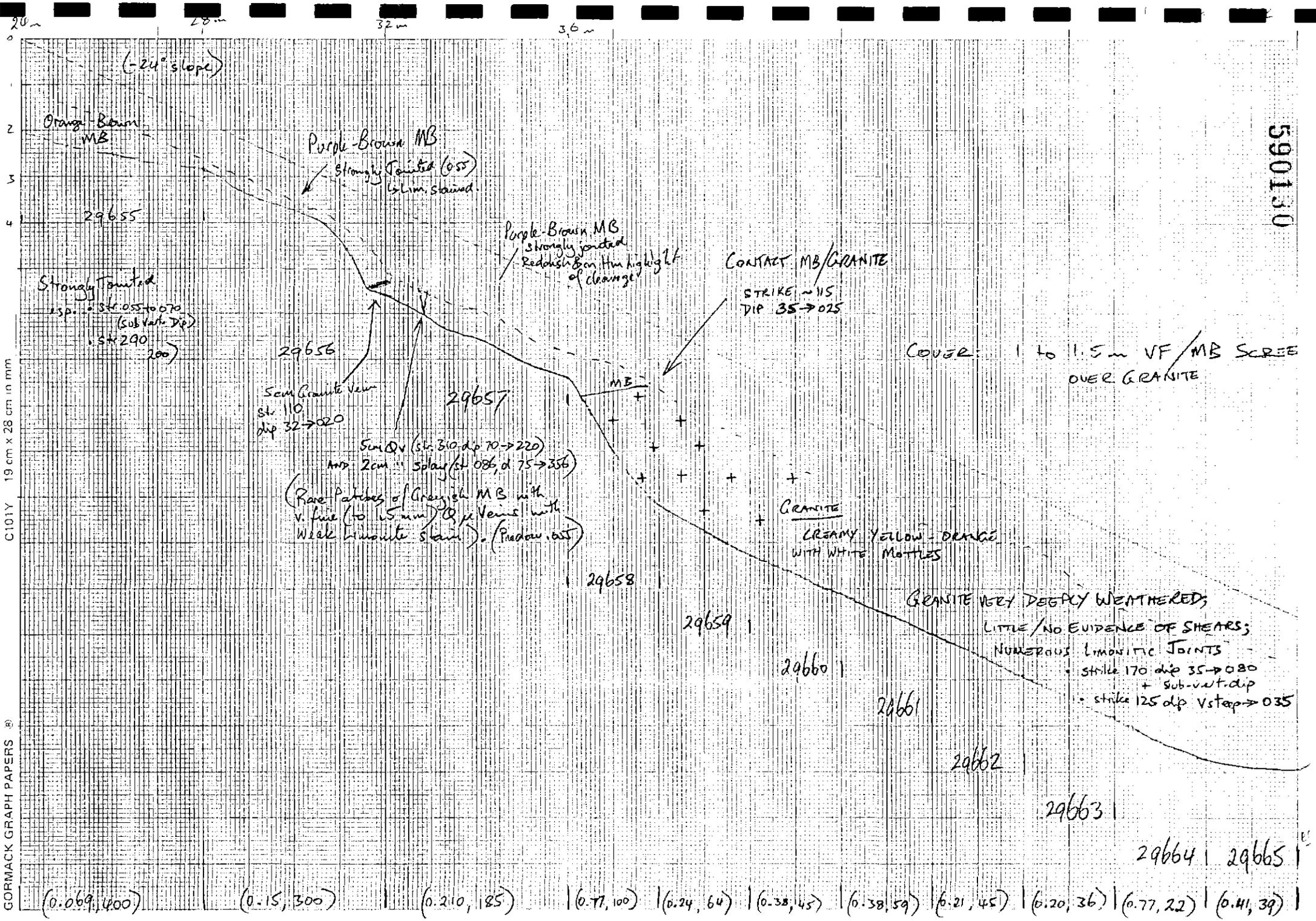


C101Y 19 cm x 28 cm in mm

GORMACK GRAPH PAPERS ©

590129

Assays (Au, As (ppm))



590130

GORMACK GRAPH PAPERS ©
C101Y 19 cm x 28 cm in mm

(24° slope)

Orange-Brown MB

Purple-Brown MB
Strongly Jointed (oss)
L. Lim. stained

Purple-Brown MB
Strongly jointed
Reddish brown thin highly lit
of cleavage

CONTACT MB/GRANITE
STRIKE ~ N5
DIP 35 → 025

COVER: 1 to 1.5m VF/MB SCREEN OVER GRANITE

Strongly Jointed
esp. str. 055 to 070
(Sub vert. Dip)
str 290
200

29655
29656
Semi Granite Vein
str. 110
dip 32 → 020

29657
Semi QV (str. 310 dip 70 → 220)
amp. 2cm ... Splay (str 086, d 75 → 356)
(Rare patches of Greyish MB with
v. fine (to 1.5mm) Qz veins with
Weak limonite stain). (Pseudot. out)

MB

GRANITE

CREAMY YELLOW-ORANGE
WITH WHITE MOTTLES

GRANITE VERY DEEPLY WEATHERED;
LITTLE/NO EVIDENCE OF SHEARS;
NUMEROUS LIMONITIC JOINTS
• strike 170 dip 35 → 080
+ sub-vert. dip
• strike 125 dip v. steep → 035

29658

29659

29660

29661

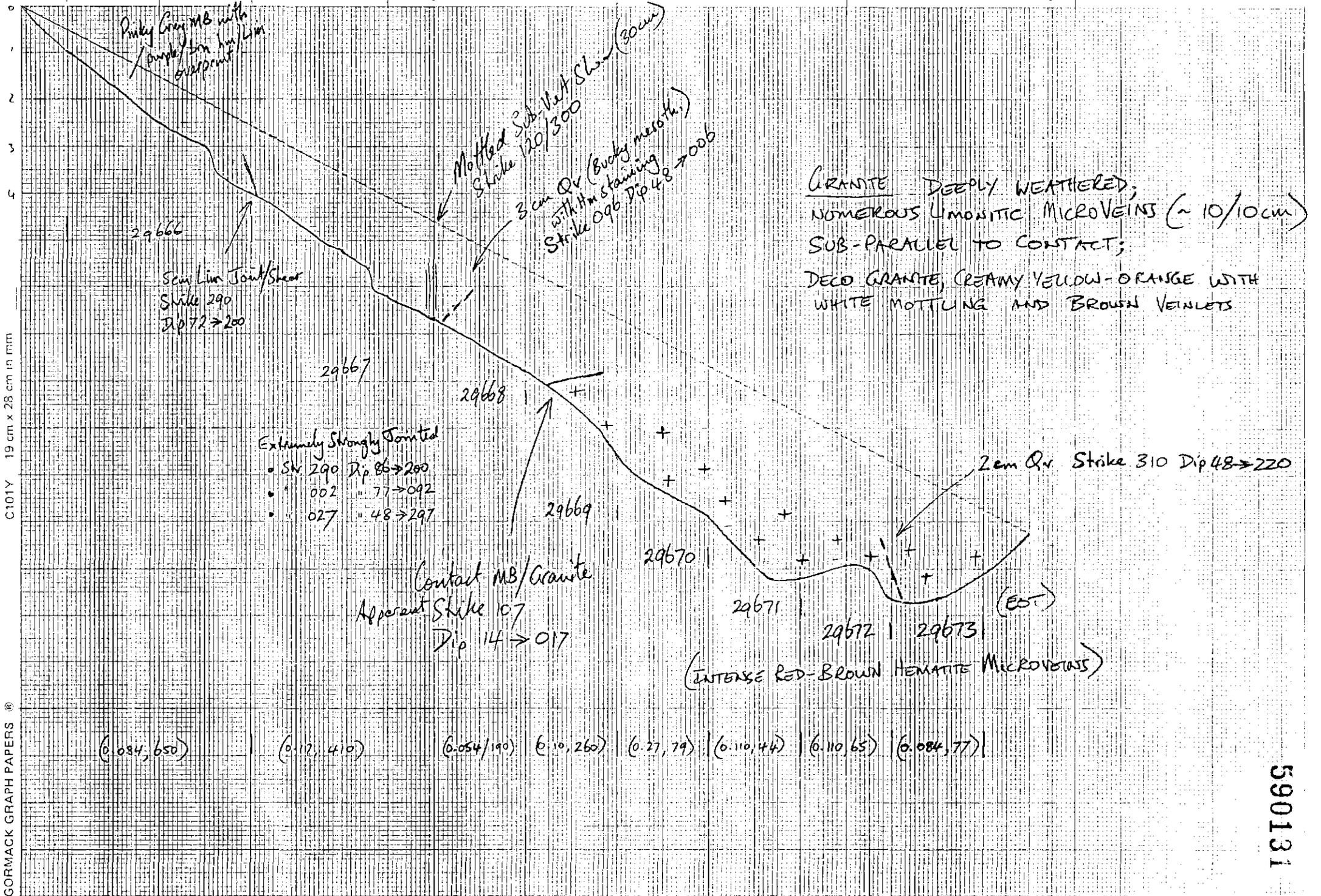
29662

29663

29664 | 29665

(0.069, 400) | (0.15, 300) | (0.210, 85) | (0.77, 100) | (0.24, 64) | (0.38, 45) | (0.38, 59) | (0.21, 45) | (0.20, 36) | (0.77, 22) | (0.41, 39)

GORMACK GRAPH PAPERS © C101Y 19 cm x 28 cm in mm



Pinky Crng. MB with purple/brown lim overprint

Mottled Sub. V. Shale (30 cm)
Strike 120/300

3 cm Qz (Bucky macroth.)
with thin staining
Strike 096 Dip 48 -> 006

29666

Scm Lim Joint/Shear
Strike 290
Dip 72 -> 200

29667

29668

Extremely Strongly Jointed
• Str 290 Dip 86 -> 200
• " 002 " 77 -> 092
• " 027 " 48 -> 297

29669

29670

29671

29672

29673

(E5)

2cm Qz Strike 310 Dip 48 -> 220

Contact MB/Granite
Apparent Strike 107
Dip 14 -> 017

(INTENSE RED-BROWN HEMATITE MICROVEINS)

GRANITE DEEPLY WEATHERED;
NUMEROUS LIMONITIC MICROVEINS (~ 10/10 cm)
SUB-PARALLEL TO CONTACT;
DECO GRANITE, CREAMY YELLOW-ORANGE WITH
WHITE MOTTLING AND BROWN VEINLETS

(0.084, 650)

(0.12, 410)

(0.054/190)

(0.10, 260)

(0.27, 79)

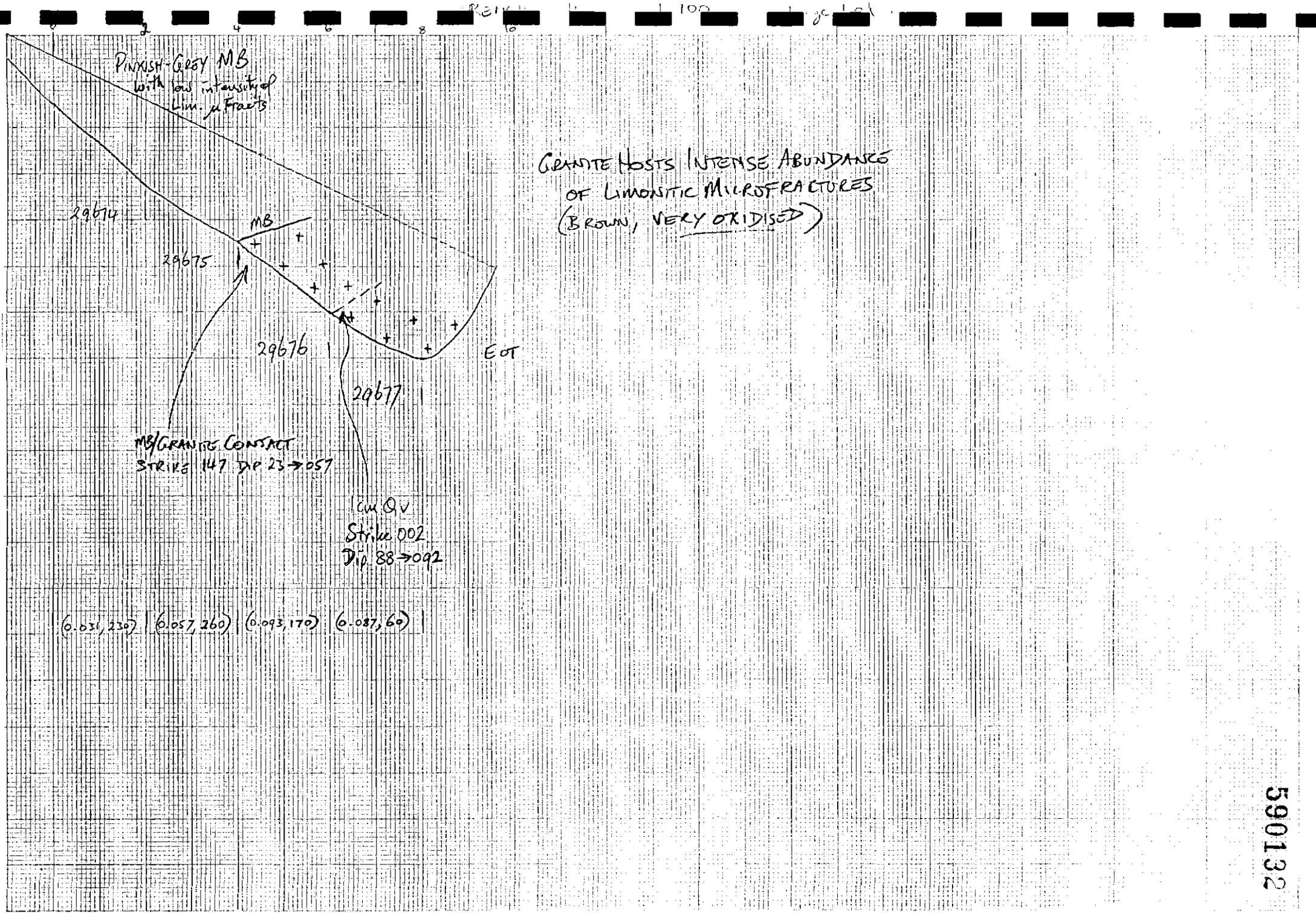
(0.110, 44)

(0.110, 65)

(0.084, 77)

C101Y 19 cm x 28 cm in mm

GORMACK GRAPH PAPERS



PINKISH-GREY MB
with low intensity of
Lim. & Fract's

GRANITE HOSTS INTENSE ABUNDANCE
OF LIMONITIC MICROFRACTURES
(BROWN, VERY OXIDISED)

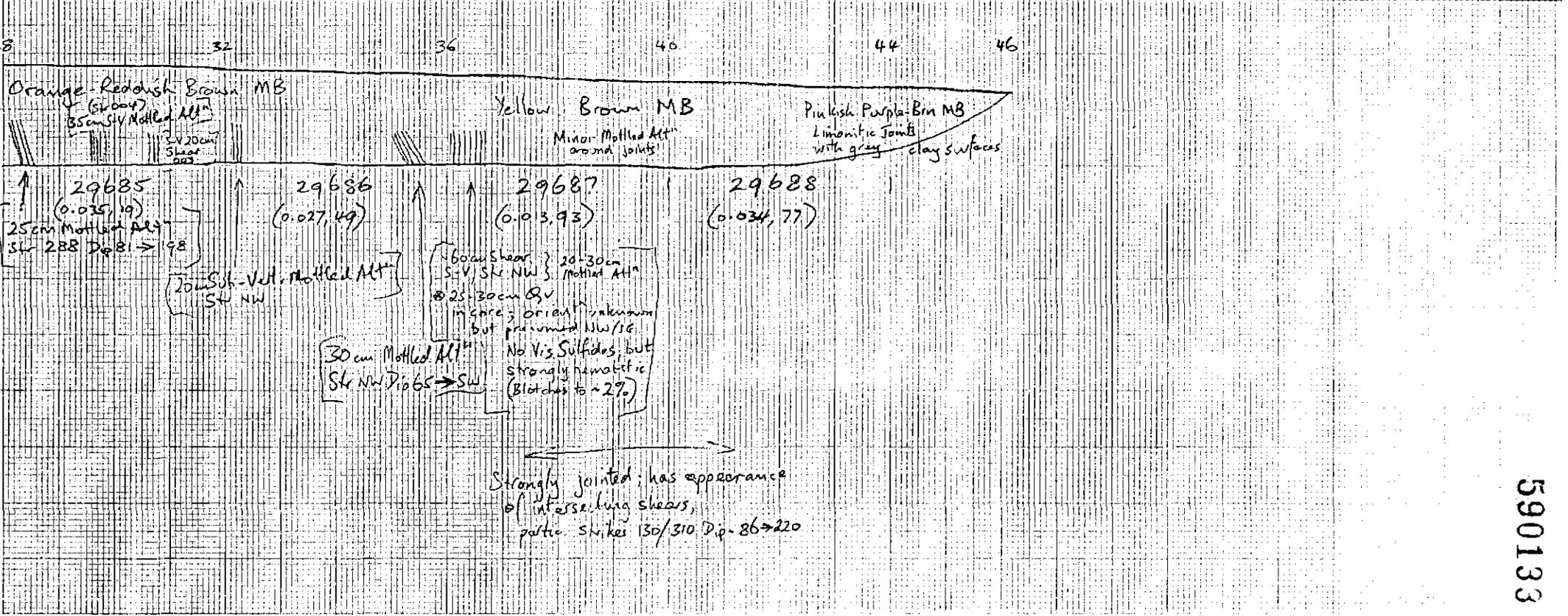
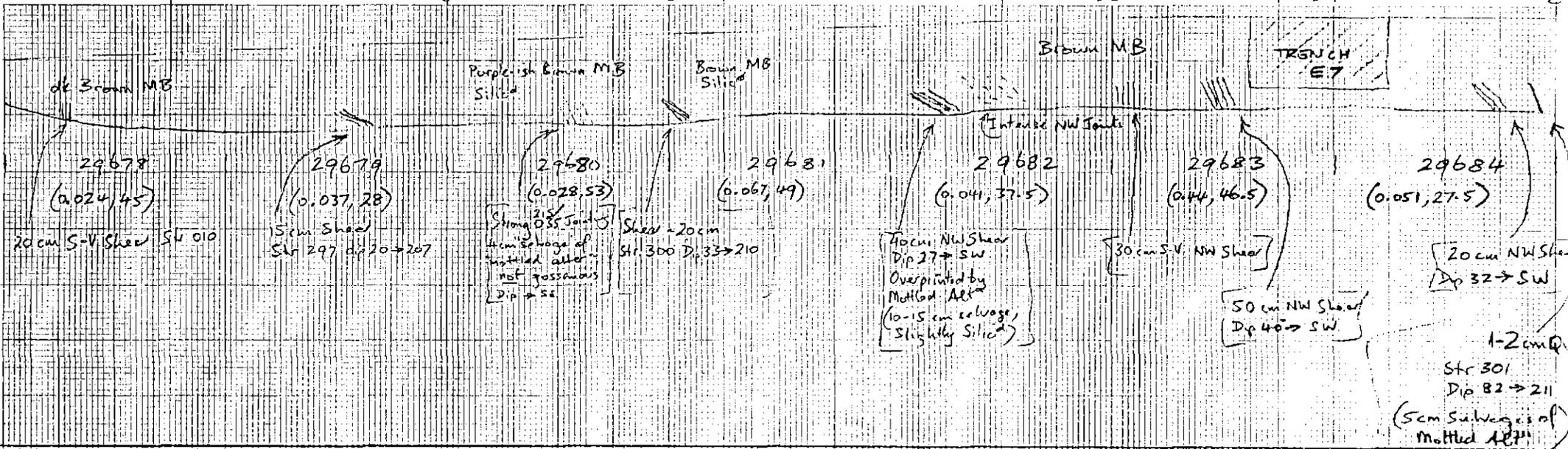
MB/GRANITE CONTACT
STRIKE 147 DIP 23 -> 057

Cm Qv
Strike 002
Dip 38 -> 092

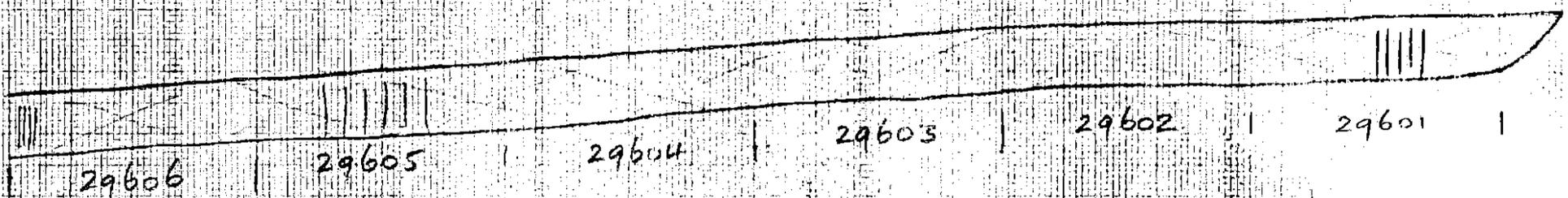
(0.031, 230) (0.057, 260) (0.093, 170) (0.087, 60)

590132

GORMACK GRAPH PAPERS
C101Y 19 cm x 28 cm
in mm



590133



Sub-vertical shear
(Strike 248 approx.)

Highly fractured/intensely jointed
Dominant joints strike 330
(dip 85 to 240)

Rock, Soil Brown

Rare clast mlky Q in soil

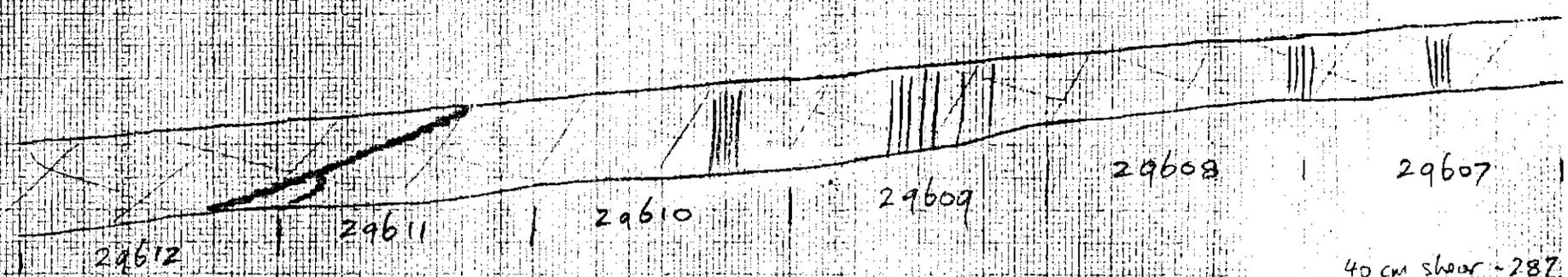
- Q vein (5-10cm) at base of NE wall, strike 330 (dip 55-75 to 240)
- [29602 A] (0.004/50)

(Trench orientation appears roughly // to dominant strike of Q v's at Enterprise; might easily be situated between veins rather than intersect them.)

(0.048/117)

(0.017/28)

(0.016/32)



29612

29611

29610

29609

29608

29607

40 cm shear - 287

2.5 cm Qv
with 175 (A 28 → 085)

[29611A]
(0.016/31)

Rock brown / grey-brown

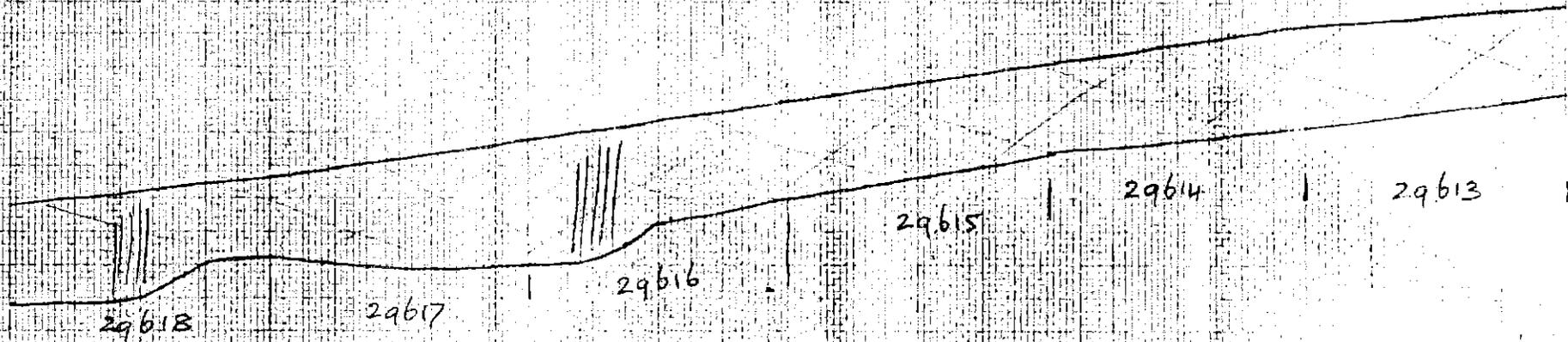
Intensely + extensively fractured

(0.070/89)

(0.025/131)

(0.059/142)

590135



Rock: pale brown

Brown

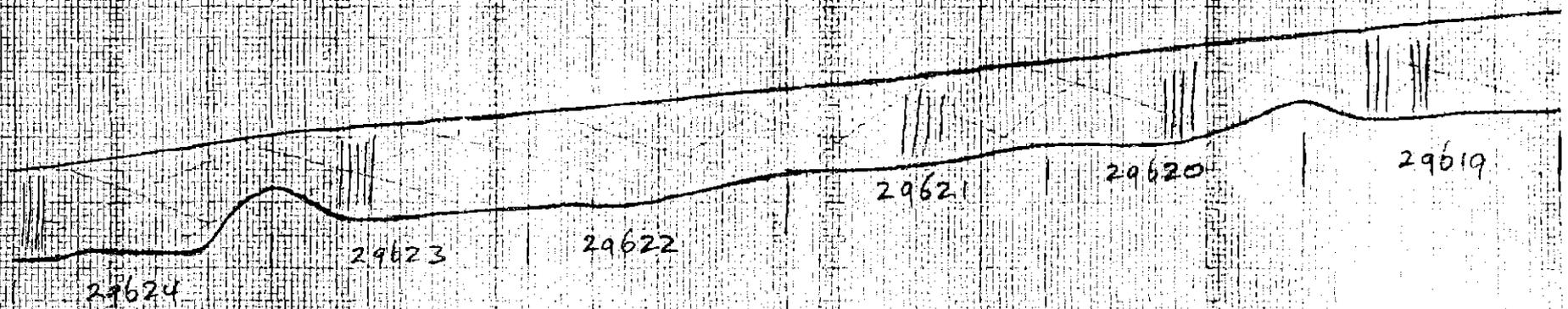
Sheers ~ 300

* Opposite Wall (~29616 + 2m)
 15-20 cm Qv ~ 140 (47 → 050)
 [29616A]
 (0.004/20)

(0.020/29)

(0.029/29)

(0.039/56)



MS = pinky gray brown

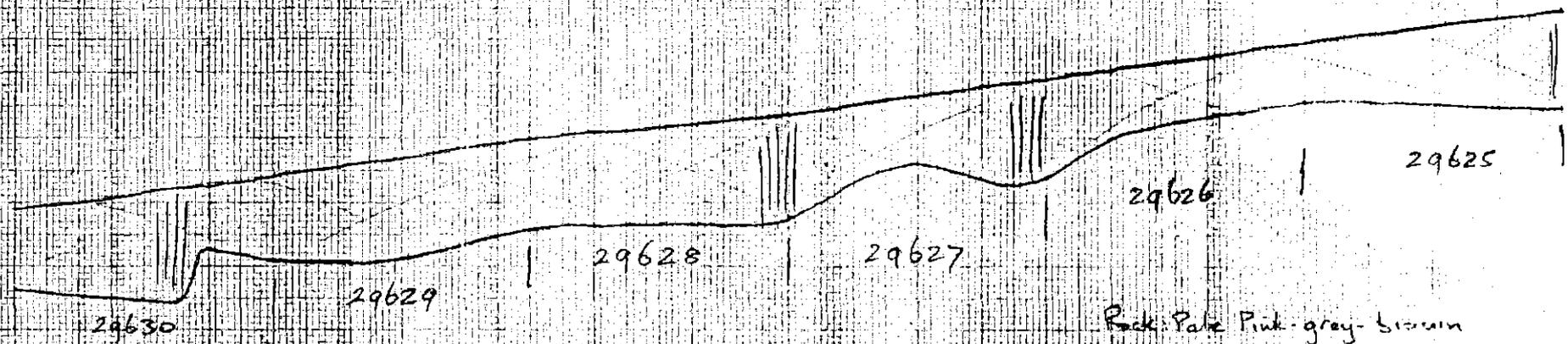
Mild Shear sub/tranch orient

Shears str ~ 300

(0.012/1)

(0.022/12)

(0.030/3)



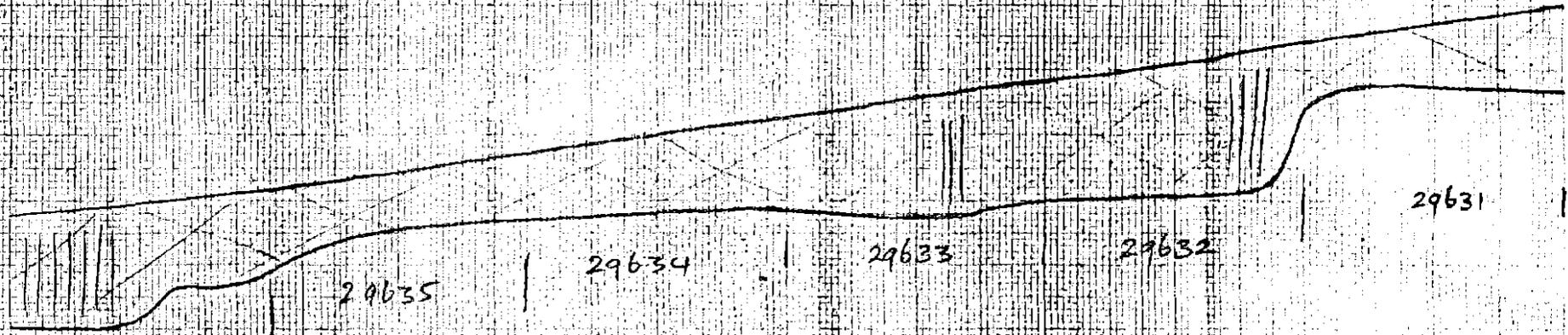
(Shears strike ~ 300, s. vert)

0.023/a

(0.020/11)

(0.016/14)

590138



29636
(Gray-Brown)

(0.049/4)

(vary hard/calcified)

(0.150/6)

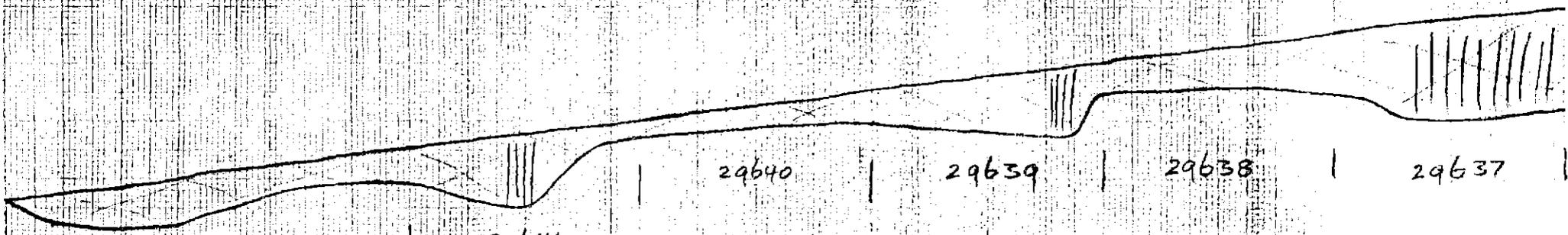
Hem/Lim joints: strikes ~ 085
 ~ 360
 ~ 290-300

(Gray-Brown)
(Shale cr - 300)

(0.052/52)

29631

590139



End of Trench

29642

29641

29640

29639

29638

29637

Orange-brown

Brown-gray

Lin/Hem-stained joints: 244 (82 → 314)
 - 360 (32 → 270)
 - 300 (S-vert)

(0.013/59)

(0.037/11)

(0.022/14)

590140

99-4343

ANNUAL REPORT - LISLE - EL 2/92
MACMIN NL - H SIMMONS

MACMIN NL

**EL 2/92 LISLE
Gold Crest / Enterprise Prospect
Location of Trenches
1998 Program**

1 : 1500

printed 11/05/99

Fig 3

Powerline approximate
Trench location approximate
Drill holes approximate
(LSD1, 2, 3 David McPherson '95
LSD 4 Trevor Griggson survey)

5 cm

