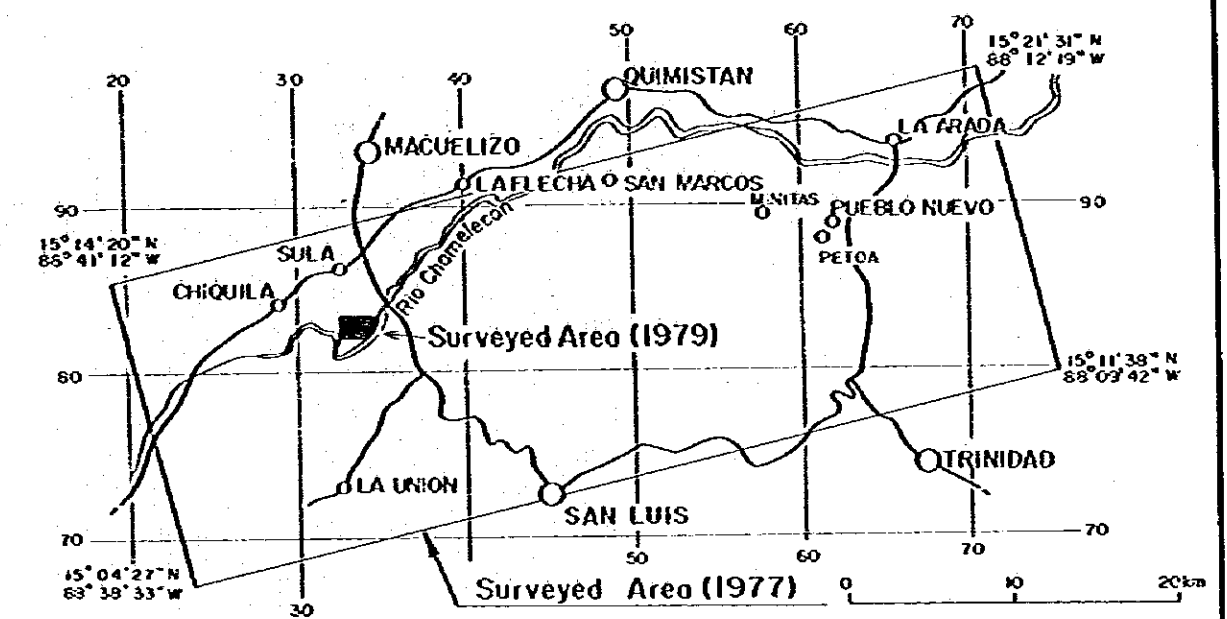


PL. I-3-1

GEOLOGICAL SURVEY
OF
THE WESTERN AREA, REPUBLIC OF HONDURAS
VOL. 4

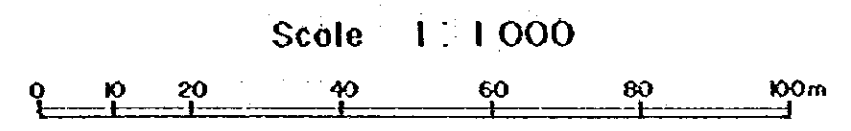
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0930
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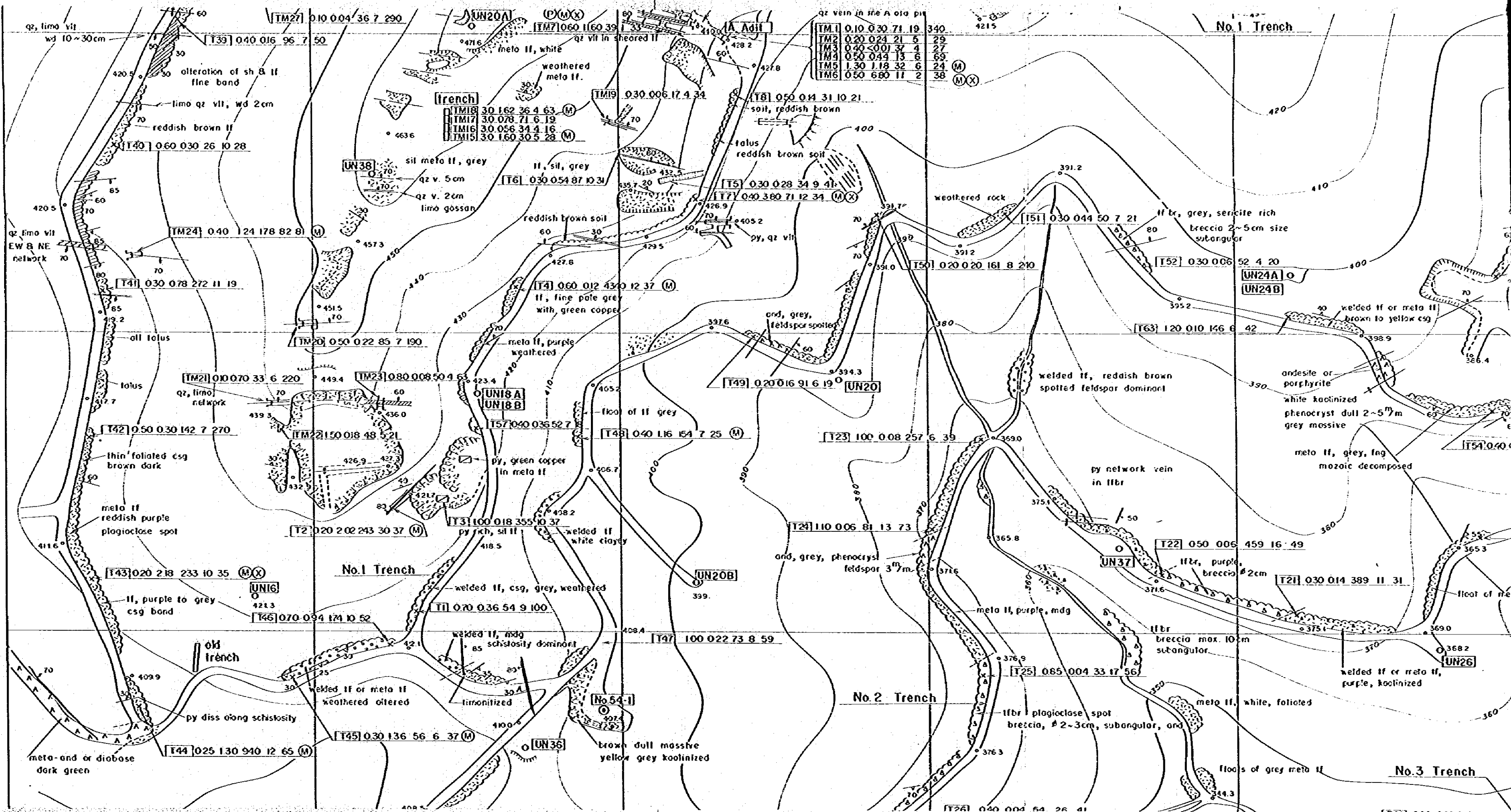
GEOLOGICAL SKETCH OF TRENCHES IN THE VUELTAS DEL RIO SECTOR (1)

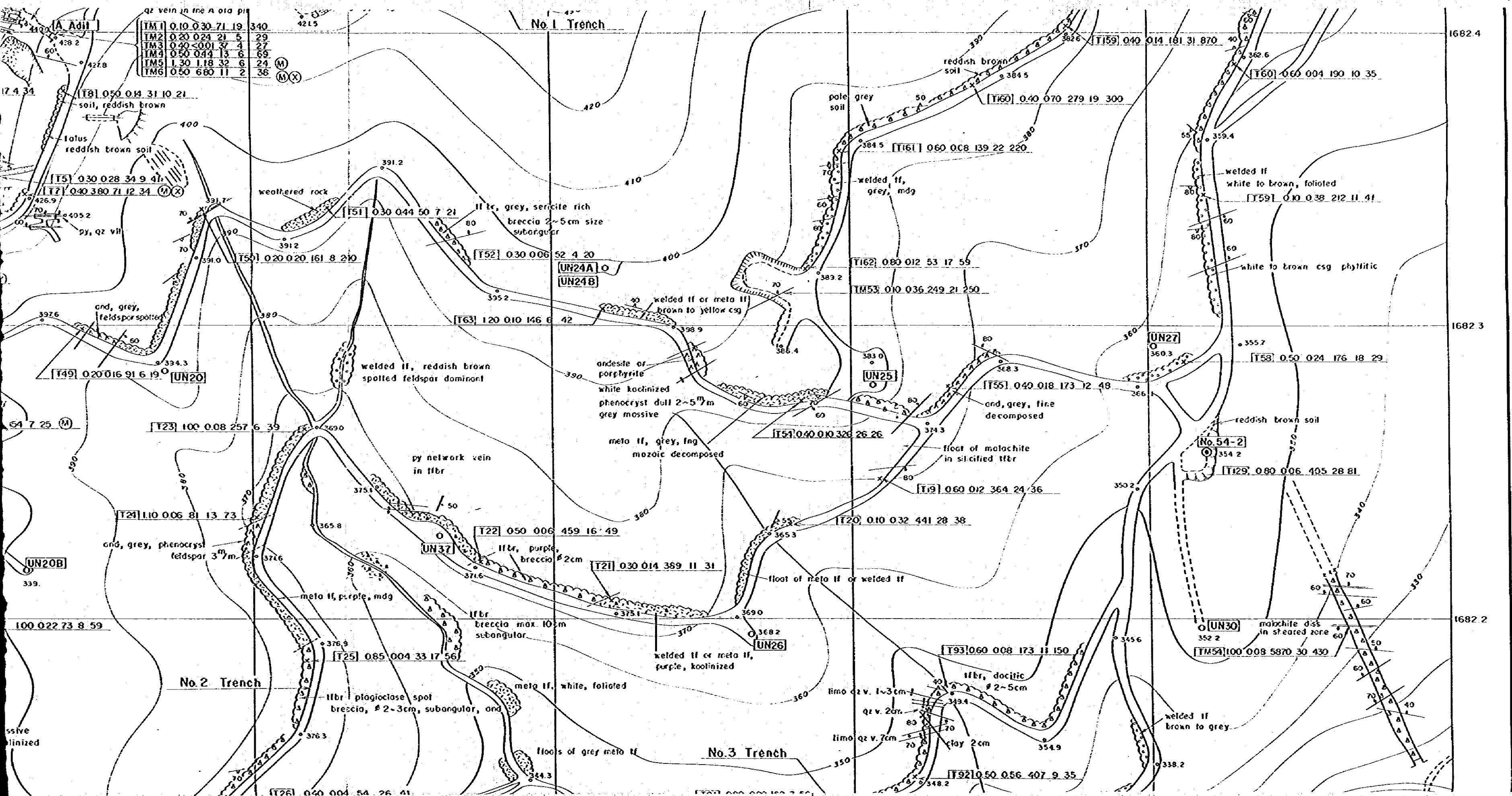


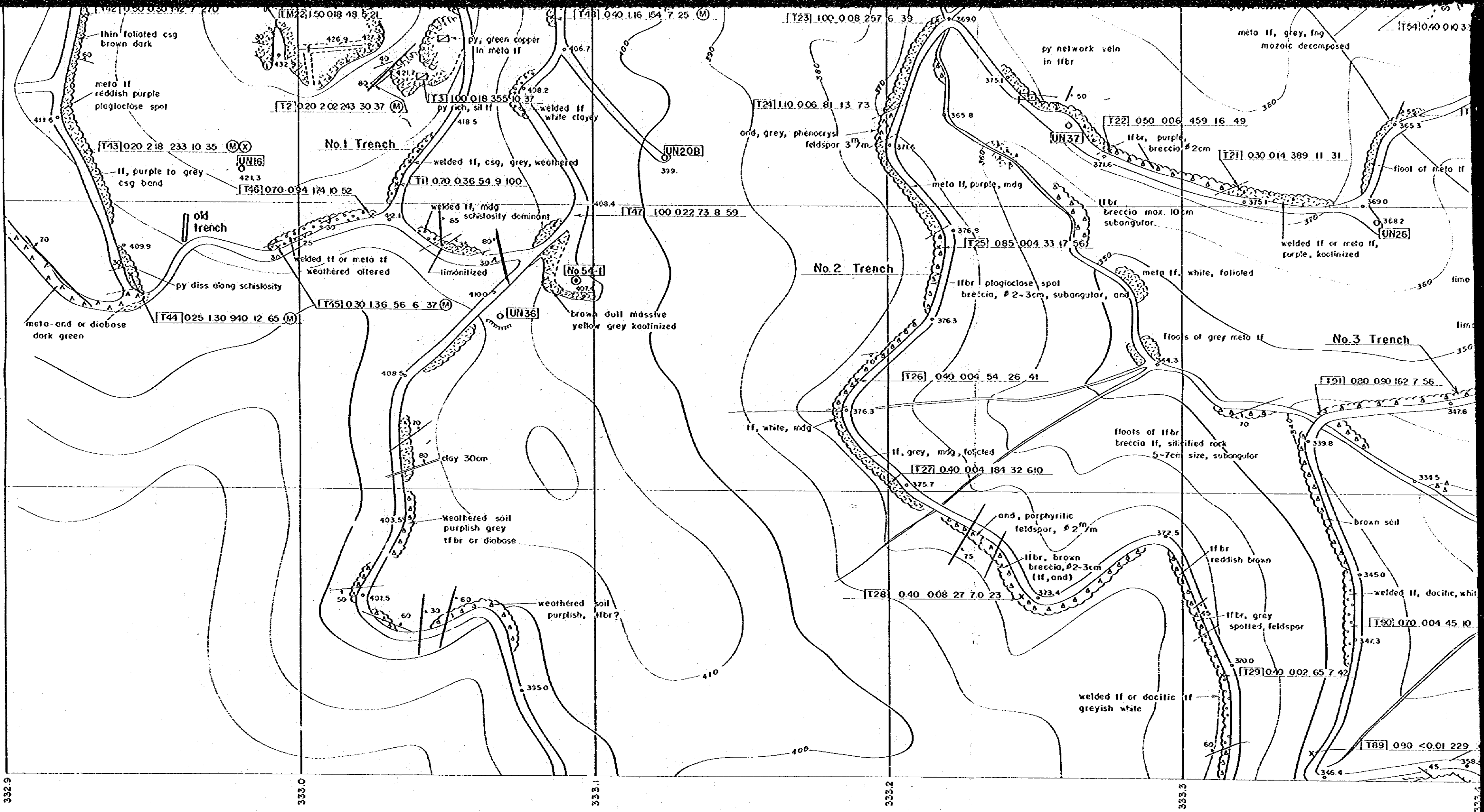
(1)	(2)
(3)	(4)

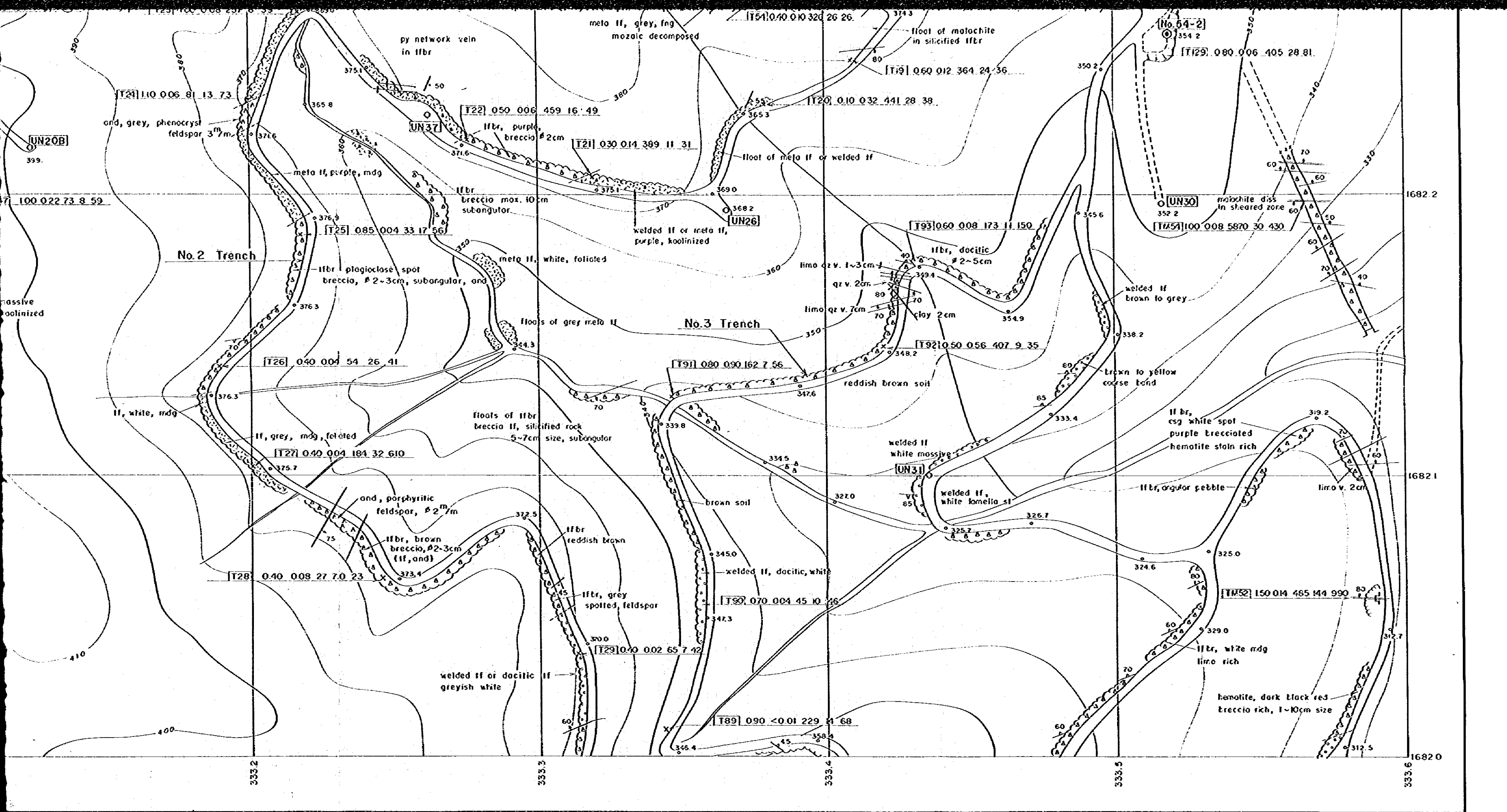
METAL MINING AGENCY OF JAPAN
JAPAN INTERNATIONAL COOPERATION AGENCY
GOVERNMENT OF JAPAN
FEBRUARY 1980
prepared by MESCO, Inc.

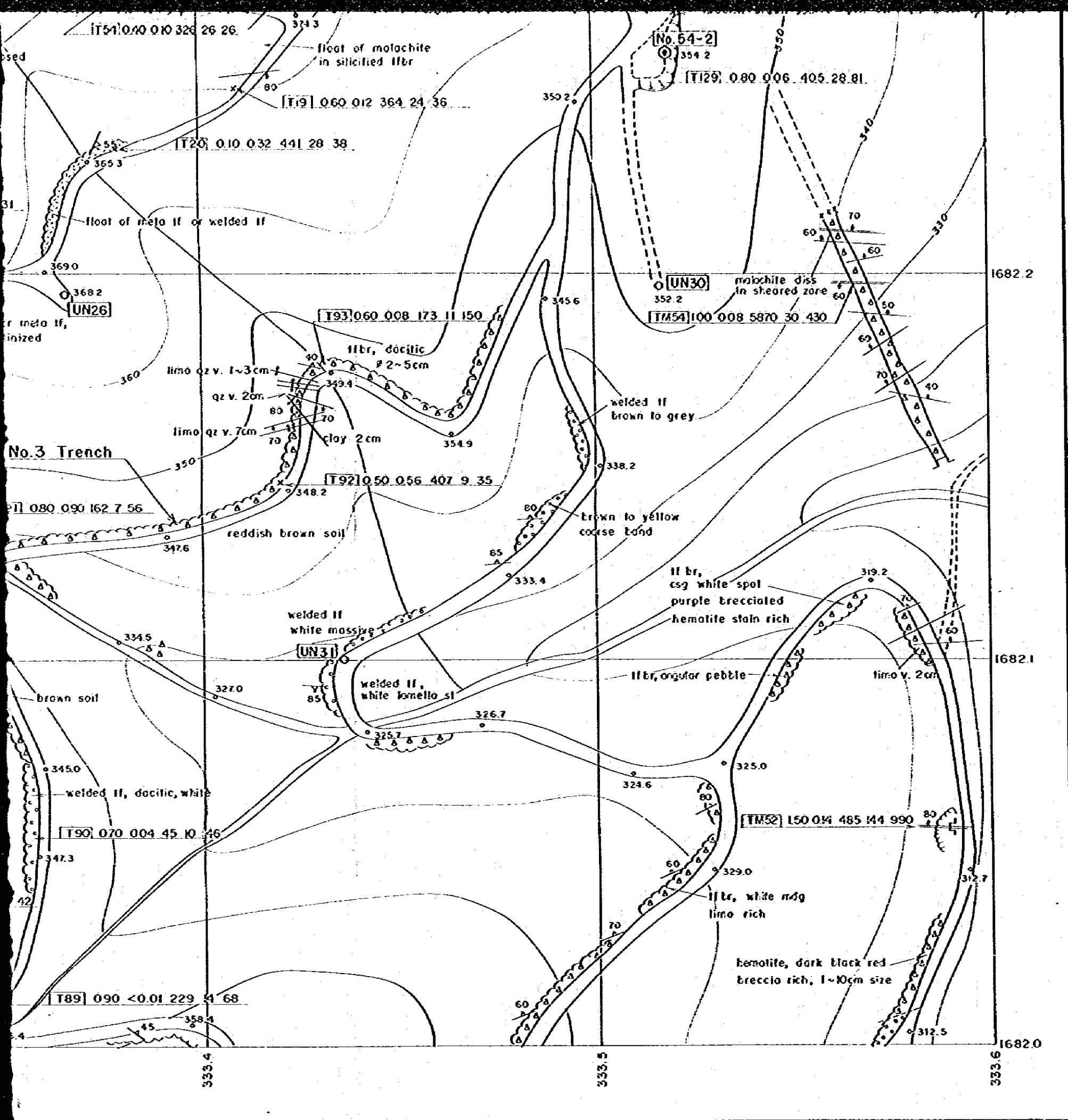












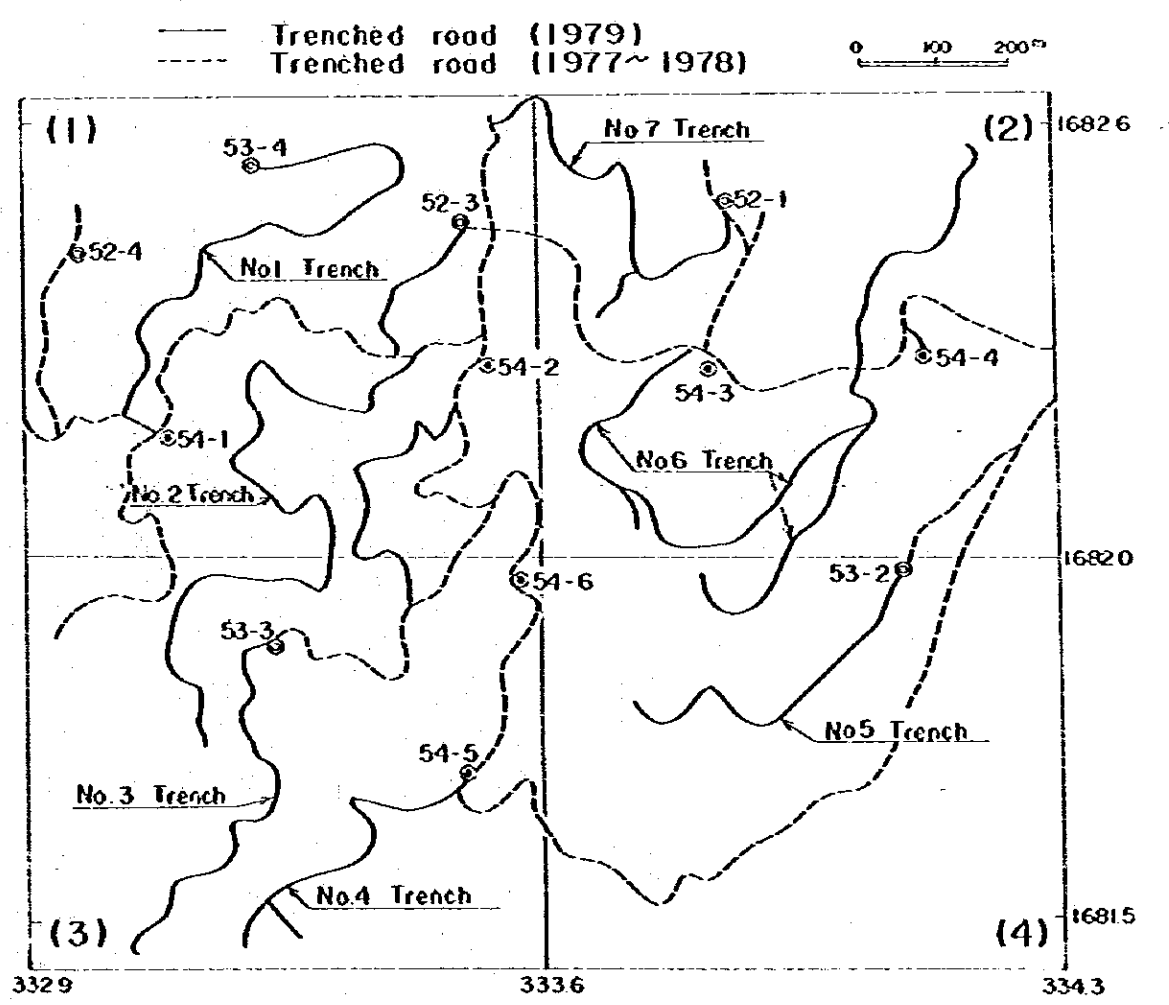
TM sample in mineralized zone
T geochemical sample (soil)

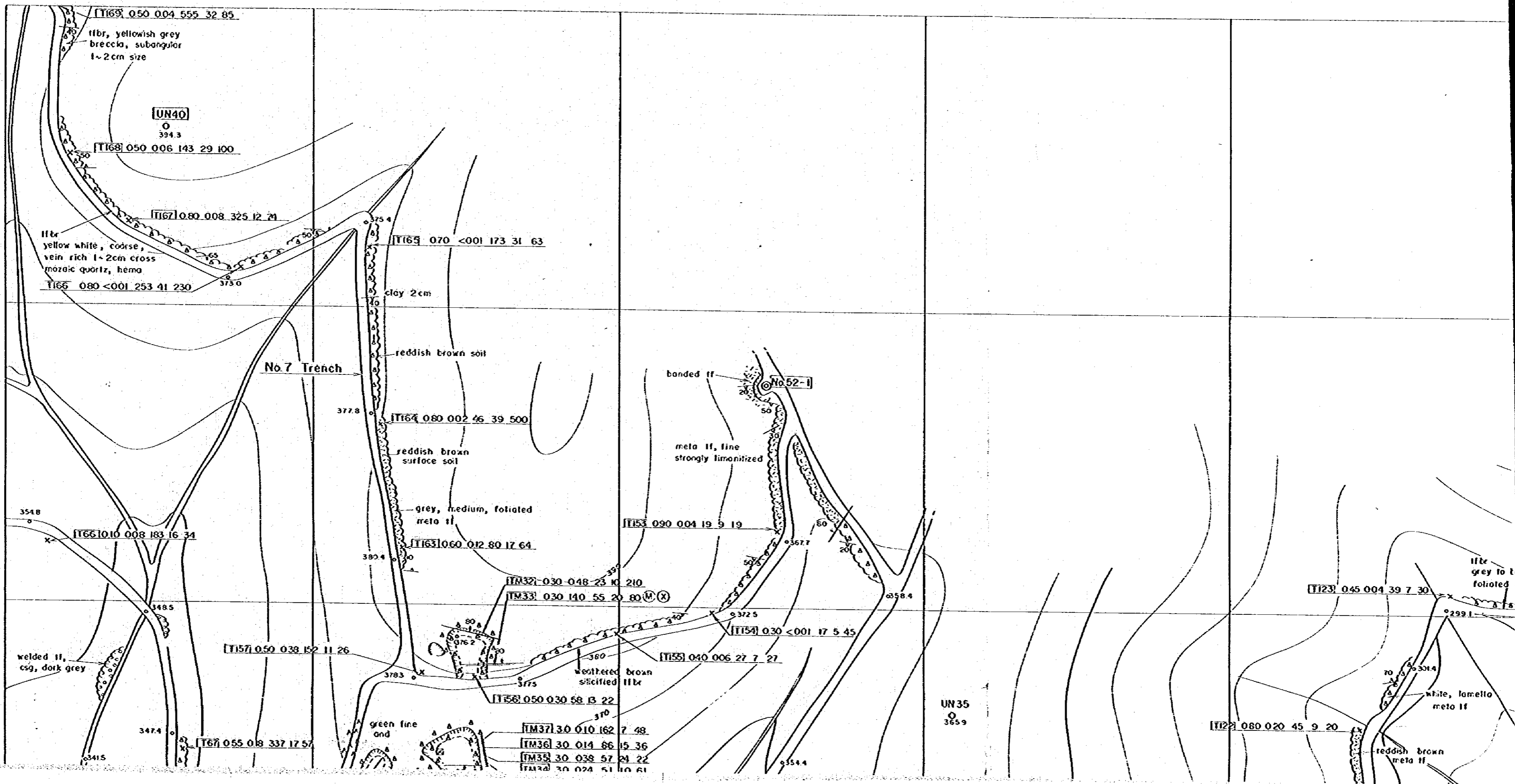
- ⊙ 54-1 DDH by Japanese Team (1979)
- ⊙ 52-1 DDH by Japanese Team (1977~1978)
- ⊙ 53-1 DDH by UNDP (1969~1972)
- ⊙ UN22 DDH by UNDP (1969~1972)
- Ⓣ Location of rock samples for thin section
- Ⓟ Location of rock samples for polish section
- Ⓜ Location of ore samples for chemical analysis
- ⓧ Location of rock samples for X-ray diffractive analysis

ABBREVIATION

and	andesite	mdg	medium grain
csg	coarse grain	py	pyrite
diss	disseminate	qz	quartz
fng	fine grain	sh	shale
hemo	hematite	ser	sericite
limo	limonite	vlt	veinlet
		wd	width

Location Map





[TI69] 050 004 555 32 85

ffbr, yellowish grey
breccia, subangular
1-2cm size

[UN40]
394.3

[TI68] 050 006 143 29 100

[TI67] 080 008 325 12 21

ffbr
yellow white, coarse,
vein rich 1-2cm cross
mosaic quartz, hema

[TI66] 080 <001 253 41 230

[TI65] 070 <001 173 31 63

clay 2cm

reddish brown soil

No 7 Trench

[TI64] 080 002 46 39 500

reddish brown
surface soil

grey, medium, foliated
meta ff

[TI63] 050 012 80 17 64

[TI53] 090 004 19 9 19

banded ff

No 52-1

meta ff, fine
strongly limonitized

[TI66] 1010 008 183 16 34

[TM32] 030 048 23 10 210

[TM33] 030 140 55 20 80 (M) (X)

[TI54] 030 <001 17 5 45

welded ff,
csq, dark grey

[TI57] 050 038 152 11 26

[TI56] 050 030 58 13 22

[TI55] 040 006 27 7 27

[TI23] 045 004 39 7 30

ffbr
grey to
foliated

[TI67] 055 018 337 17 57

green fine
sand

[TM37] 30 010 162 7 48

[TM36] 30 014 66 15 36

[TM35] 30 038 57 24 22

[TM34] 30 024 51 10 61

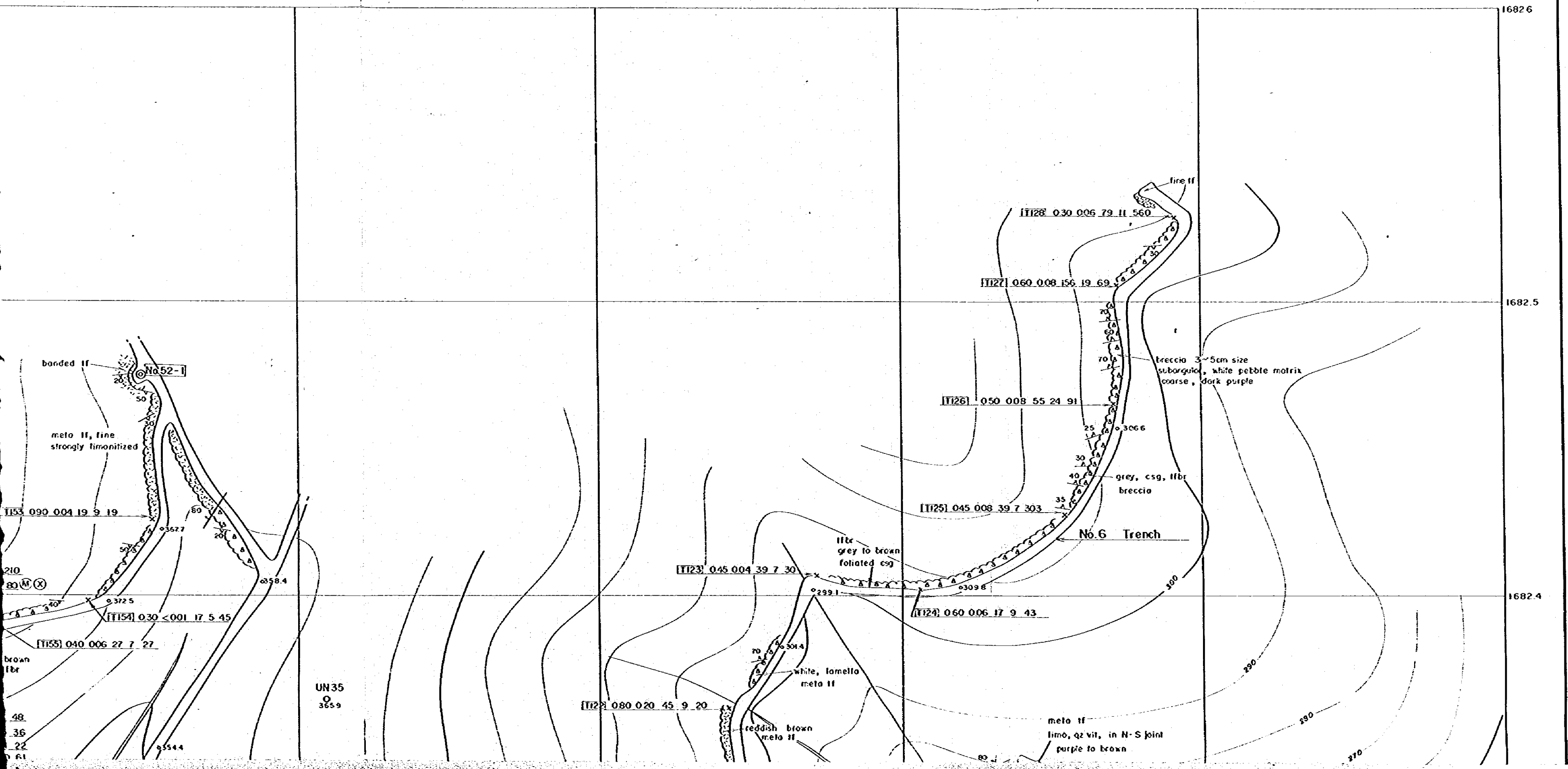
weathered brown
silicified ffbr

UN35
365.9

[TI22] 080 020 45 9 20

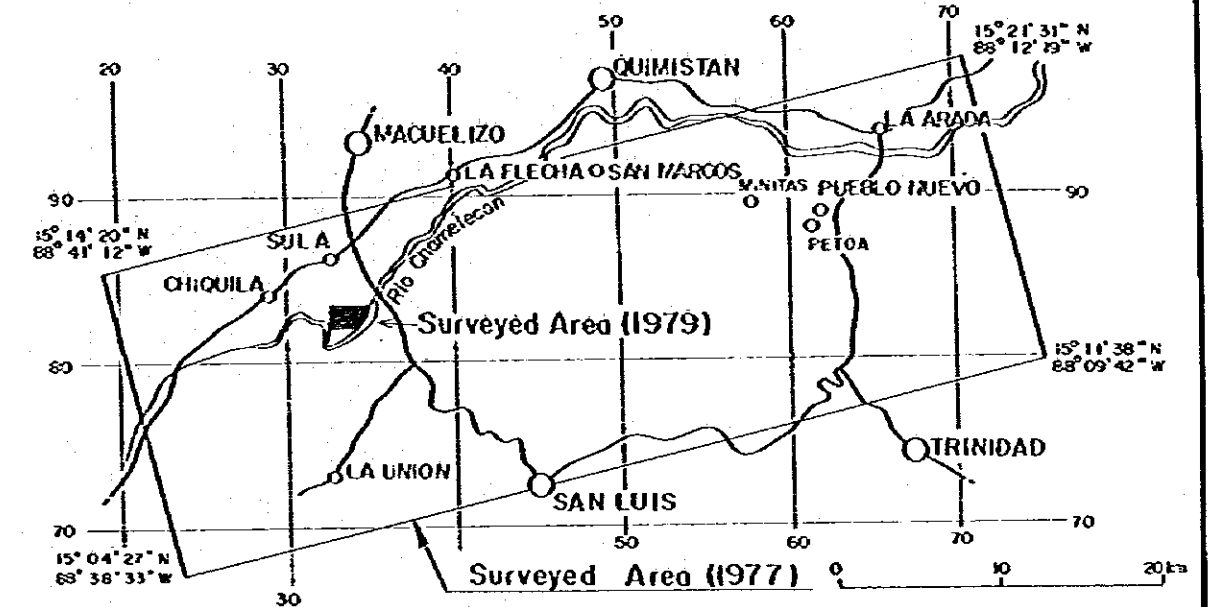
white, lamella
meta ff

reddish brown
meta ff



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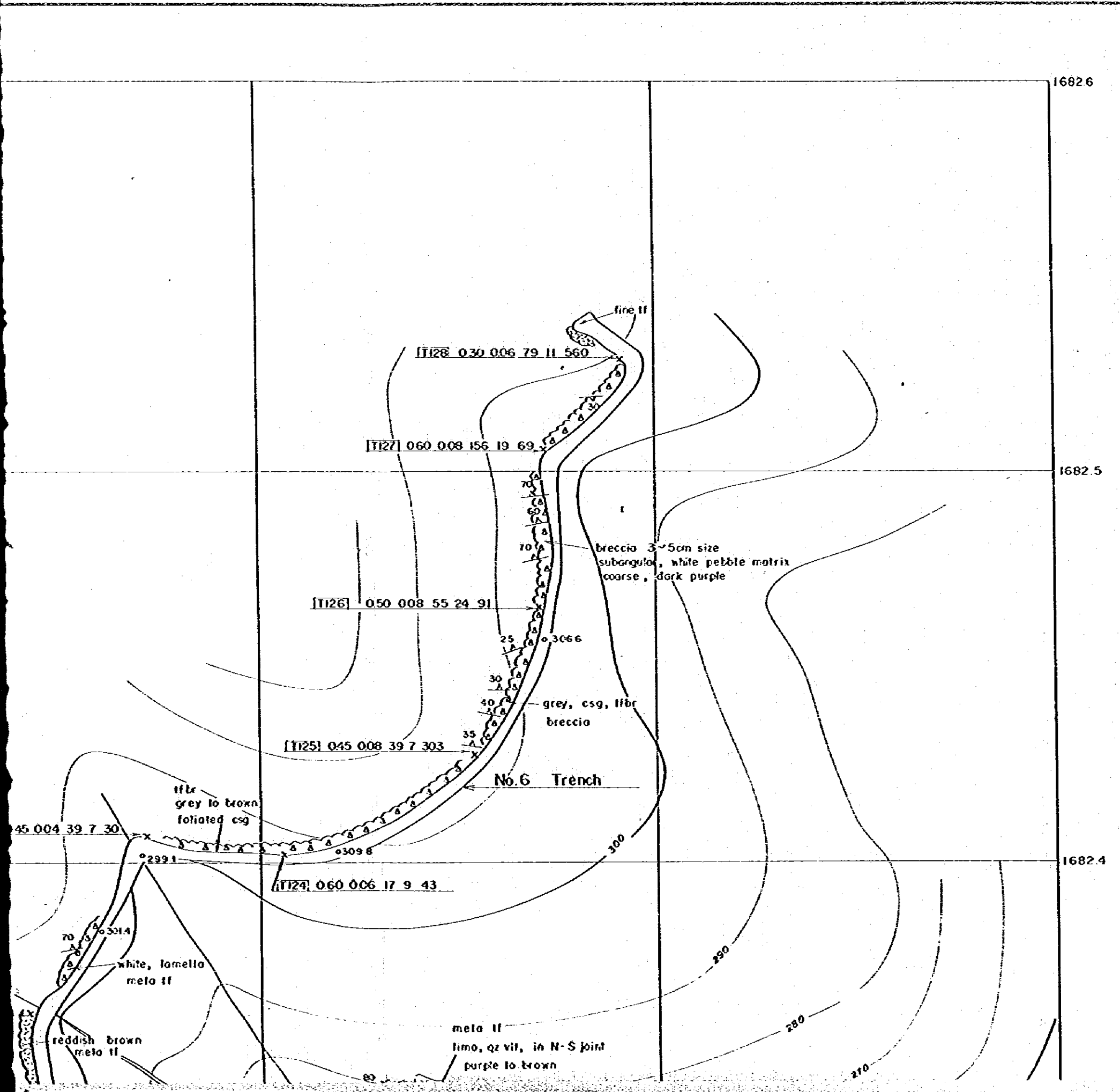
GEOLOGICAL SKETCH OF TRENCHES IN THE VUELTAS DEL RIO SECTOR (2)

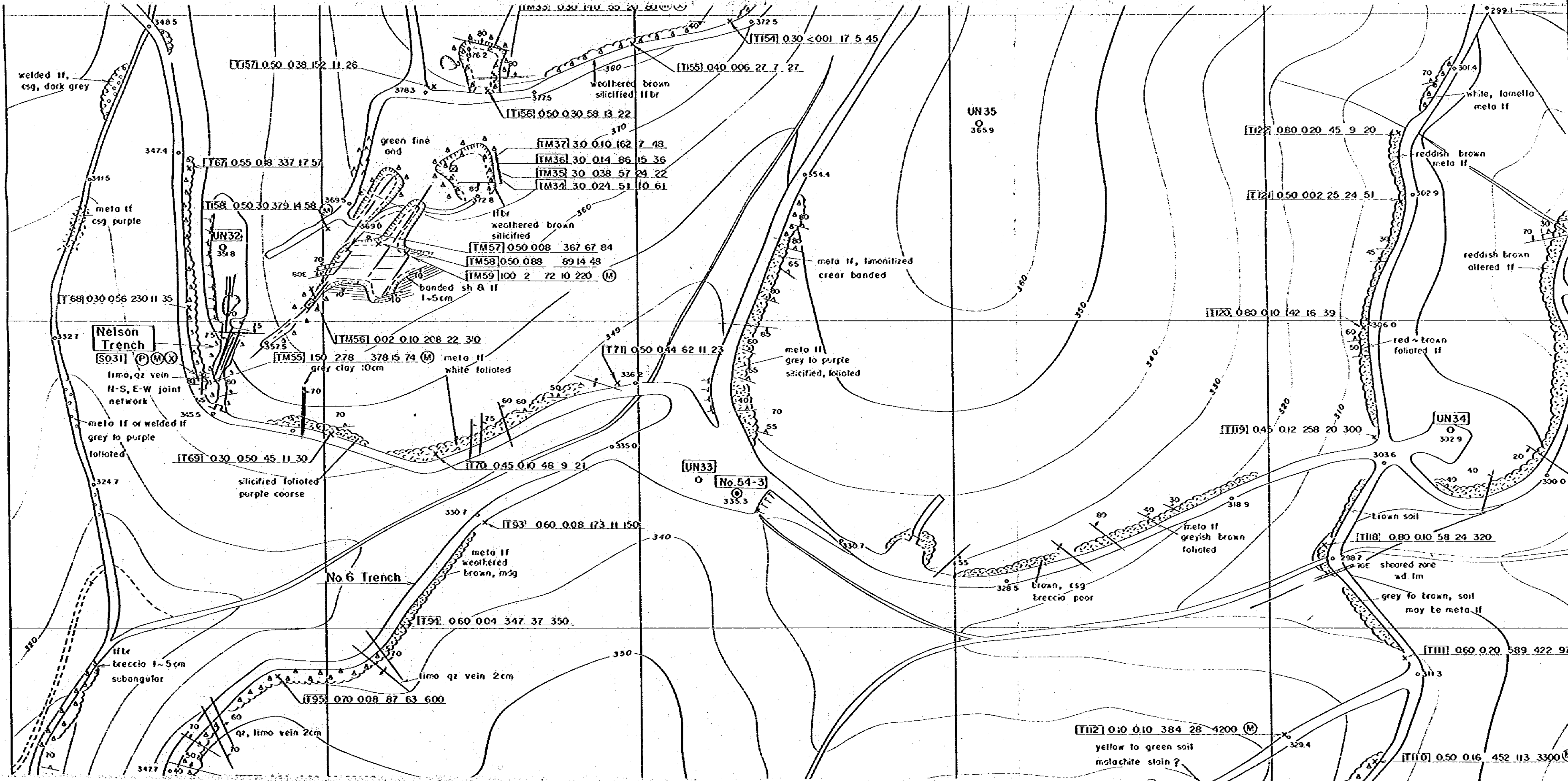


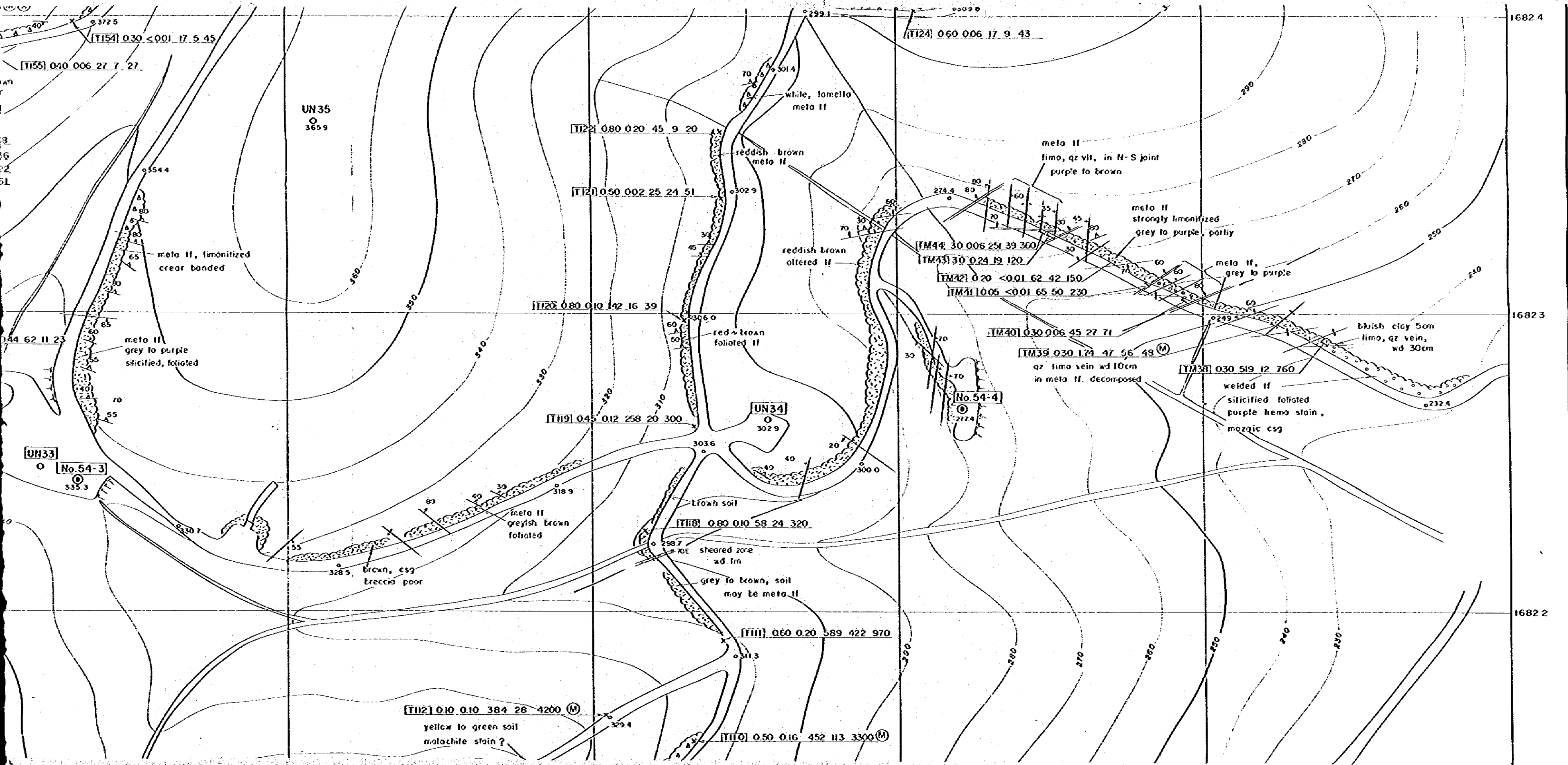
Legend table with four quadrants labeled (1), (2), (3), and (4).

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Scale 1:1000







1682.4

1682.3

1682.2

[TI54] 0.30 <0.01 17.5 45

[TI55] 0.40 0.06 27.7 27

UN35
3659

[TI22] 0.80 0.20 45.9 20

[TI20] 0.50 0.02 25.24 51

[TI24] 0.60 0.06 17.9 43

white, lamello
meta II

reddish brown
meta II

meta II
limo, qz vit. in N-S joint
purple to brown

meta II
strongly limonitized
grey to purple, partly

meta II, limonitized
clear banded

reddish brown
altered II

[TM44] 30 0.06 25.39 360

[TM43] 30 0.24 19 120

[TM42] 0.20 <0.01 62.42 150

[TM41] 1.005 <0.01 65.50 230

meta II,
grey to purple

bluish clay 5cm
limo, qz vein,
wd 30cm

[TI20] 0.80 0.10 142 16 39

[TM40] 0.30 0.06 45 27 71

[TM39] 0.30 1.24 47 56 49 (M)
qz limo vein wd 10cm
in meta II. decomposed

[TM38] 0.30 5.19 12 760

welded if
silicified foliated
purple hematite stain,
mosaic csg

meta II
grey to purple
silicified, foliated

red-brown
foliated II

[TI19] 0.45 0.12 258 20 300

UN34
3029

No. 54-4
2774

UN33
No. 54-3
3353

brown soil

[TI18] 0.80 0.10 58 24 320

sheared zone
wd 1m

grey to brown, soil
may be meta II

meta II
greyish brown
foliated

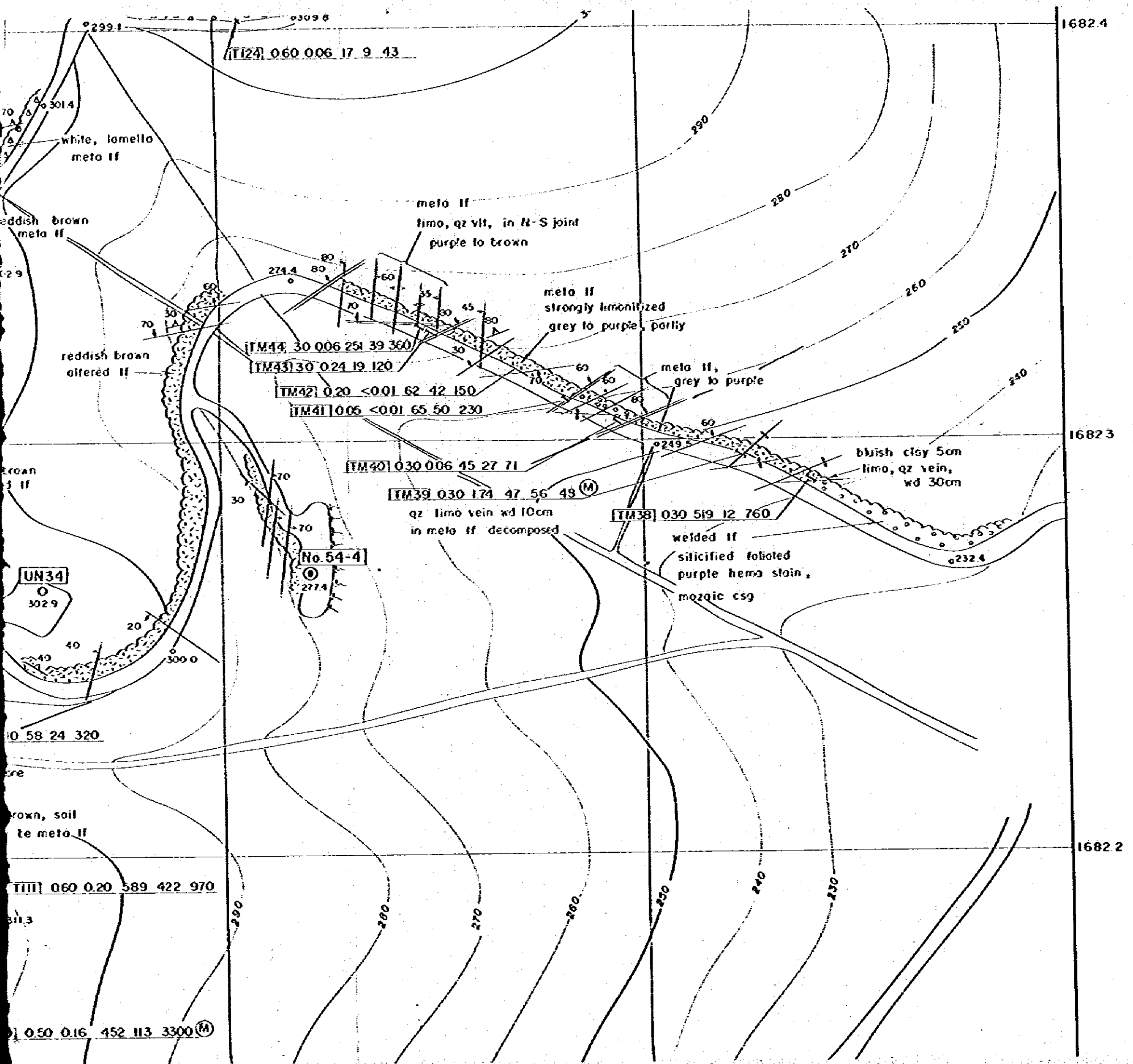
brown, csg
breccia poor

[TI11] 0.60 0.20 589 422 970

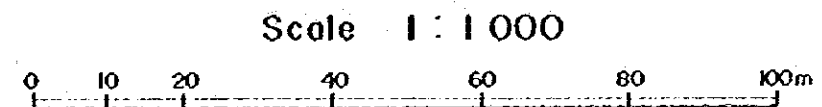
[TI12] 0.10 0.10 384 28 4200 (M)

yellow to green soil
malachite stain?

[TI10] 0.50 0.16 452 113 3300 (M)



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LEGEND

	meta-tuff		bedding plane
	meta-tuff breccia		fissure, joint
	meta-welded tuff		fault
	meta-tuffaceous shale		limonite-quartz vein
	meta-andesite		adit
	andesite		old trench

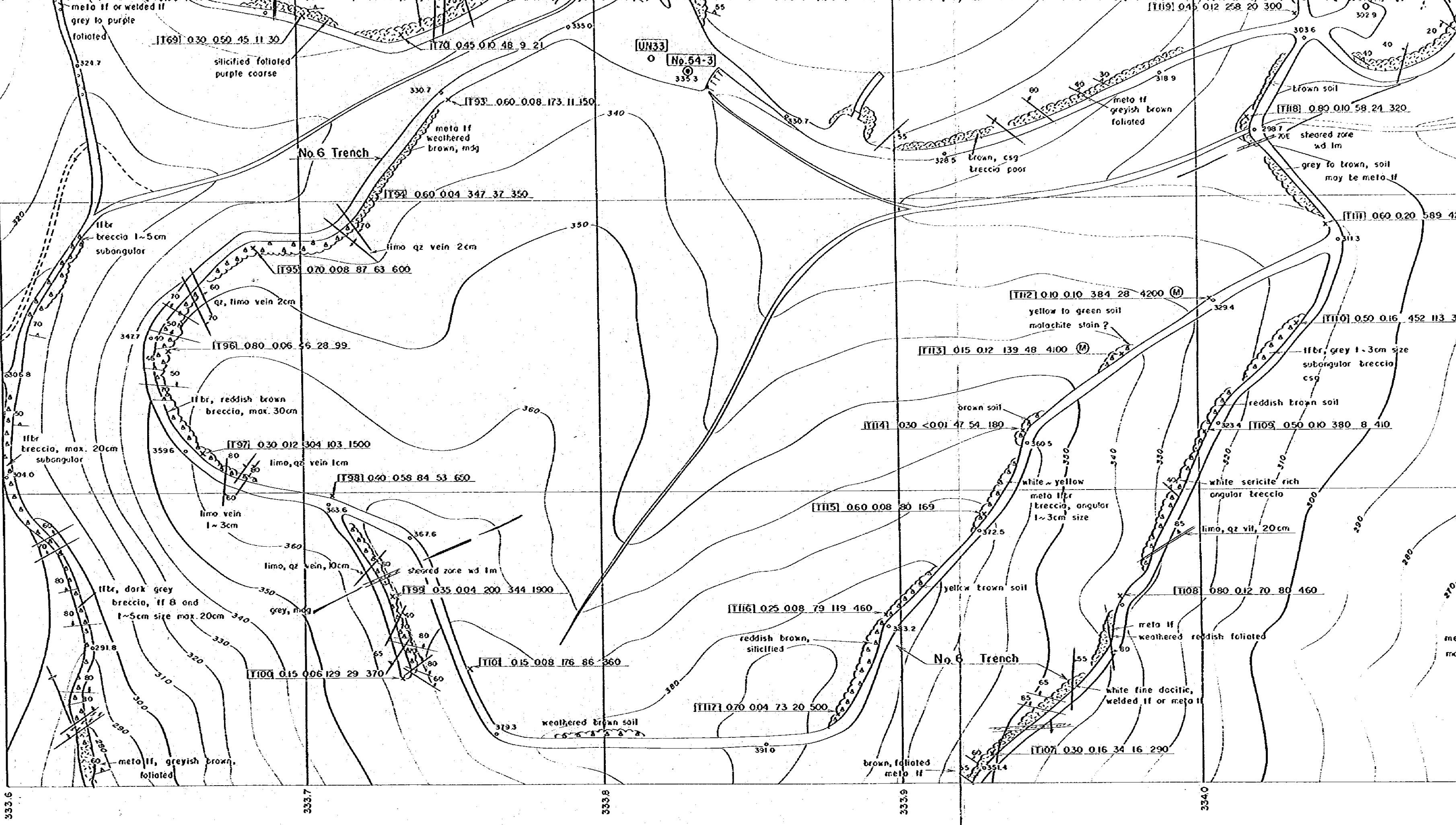
No	width	Au	Cu	Pb	Zn
X TM13	1.0 m	0.30 g/t	57 ppm	12 ppm	200 ppm
T 13					

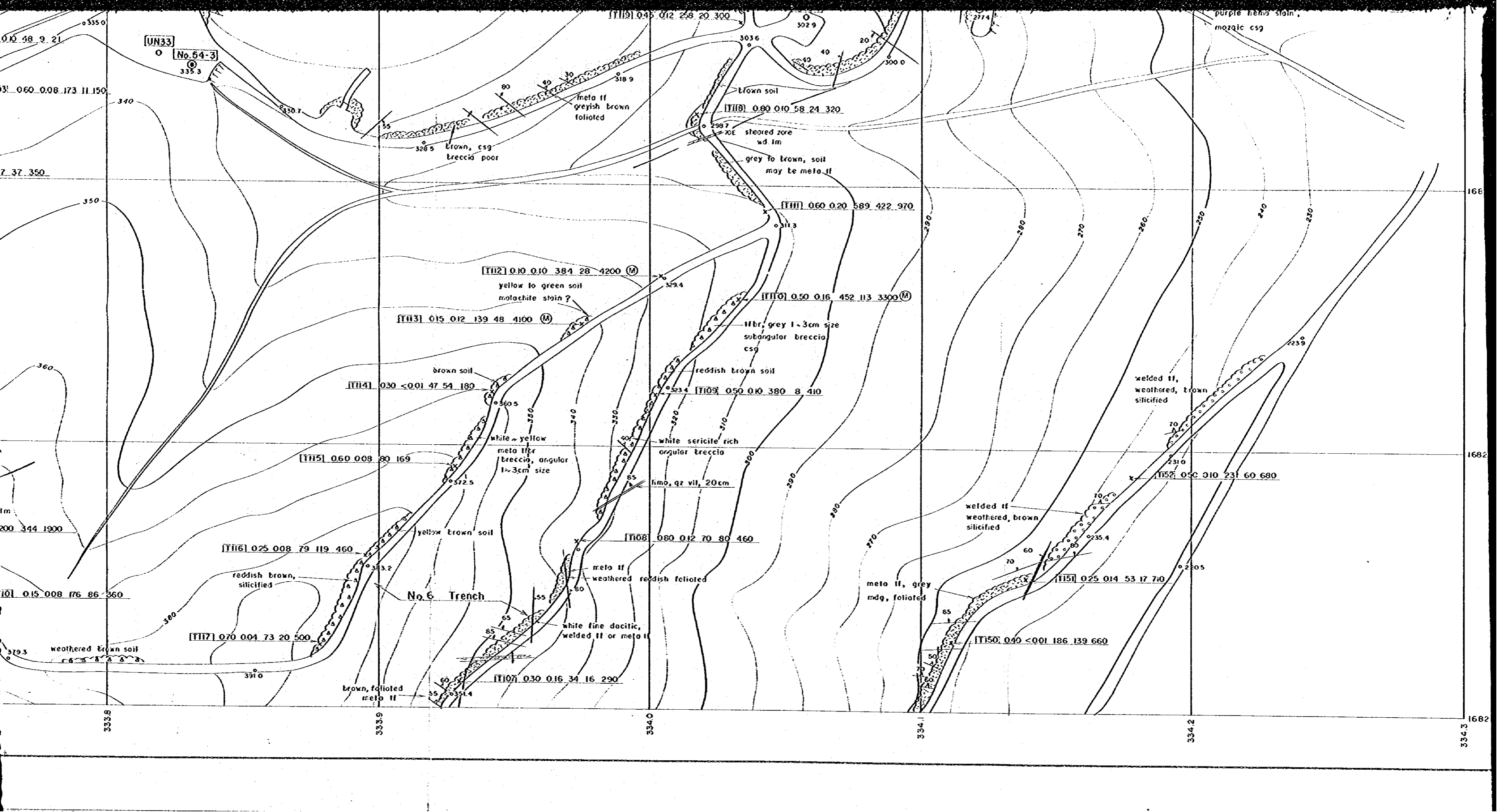
TM --- sample in mineralized zone
 T --- geochemical sample (soil)

- ⊙ 54-1 DDH by Japanese Team (1979)
- ⊙ 52-1 DDH by Japanese Team (1977~1978)
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ABBREVIATION

and	andesite	mdg	medium grain
csg	coarse grain	py	pyrite
diss	disseminate	qz	quartz





[UN33]
No. 54-3
335.3

[II19] 0.45 0.12 258 20 300

[II18] 0.80 0.10 58 24 320
steered zone
wd lm

328.5 brown, csq
breccia poor

[II12] 0.10 0.10 384 28 4200 (M)
yellow to green soil
malachite stain?

[II13] 0.15 0.12 139 48 4100 (M)

[II10] 0.50 0.16 452 113 3300 (M)

ffbr, grey 1-3cm size
subangular breccia
csq

[II14] 0.30 <0.01 47 54 180

brown soil

[II09] 0.50 0.10 380 8 410
reddish brown soil

white & yellow
meta ffbr
breccia, angular
1-3cm size

white sericite rich
angular breccia

[II15] 0.60 0.08 80 169

limo, qz, vit, 20cm

welded ff,
weathered, brown
silicified

[II52] 0.50 0.10 231 60 680

[II16] 0.25 0.08 79 119 460

yellow brown soil

[II08] 0.80 0.12 70 80 460

welded ff
weathered, brown
silicified

[II01] 0.15 0.08 176 86 360

reddish brown,
silicified

No. 6 Trench

meta ff
weathered reddish foliated

meta ff, grey
mdg, foliated

[II15] 0.25 0.14 53 17 710

[II17] 0.70 0.04 73 20 500

weathered brown soil

white fine dacitic,
welded ff or meta ff

[II50] 0.40 <0.01 186 139 660

brown, foliated
meta ff

[II07] 0.30 0.16 34 16 290

purple hematite stain,
mosaic csq

0.10 48 9 21

0.060 0.08 173 11 150

7.37 350

200 344 1900

0.15 0.08 176 86 360

weathered brown soil

333.8

333.9

334.0

334.1

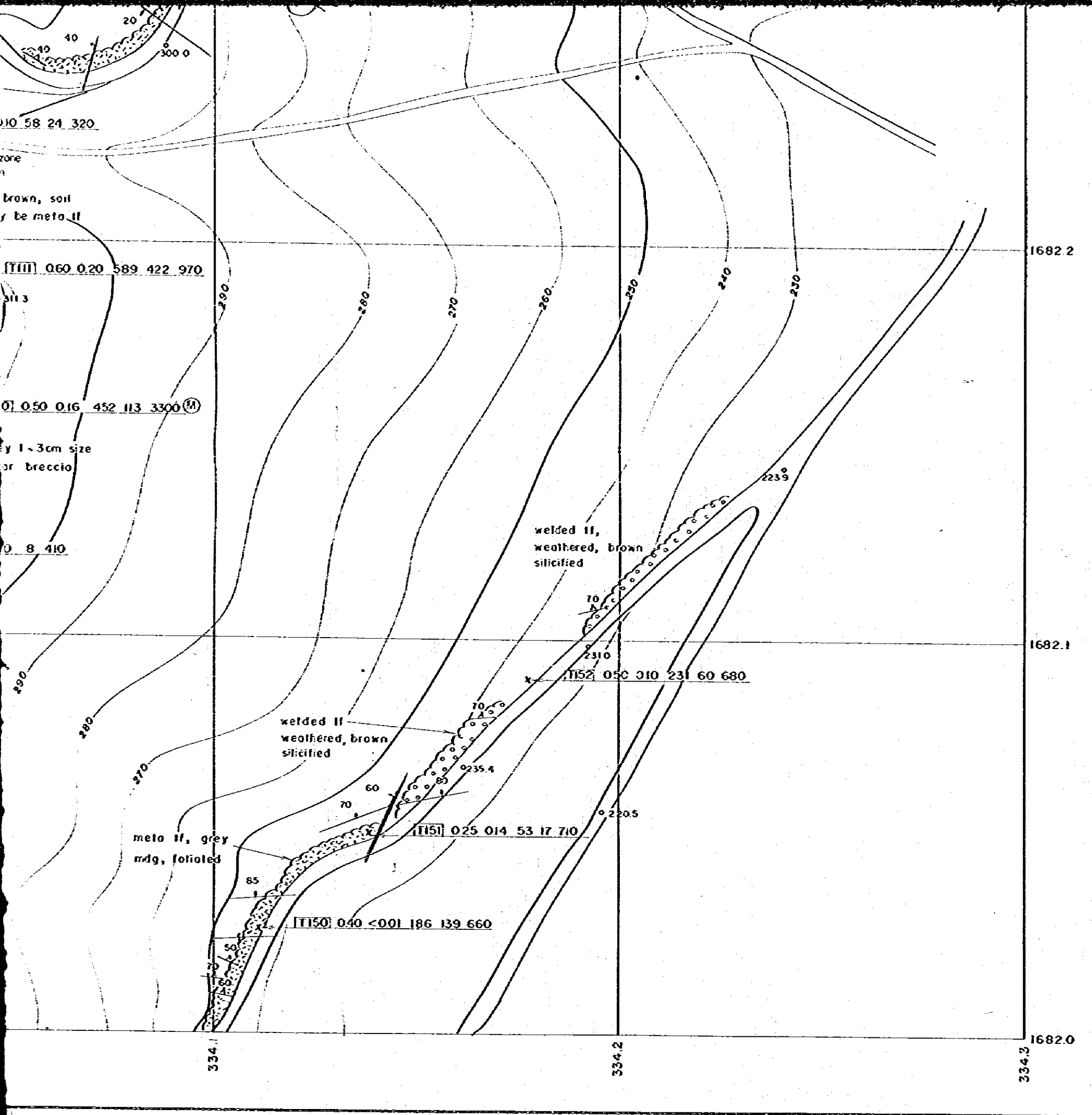
334.2

334.3

1688

1682

1682

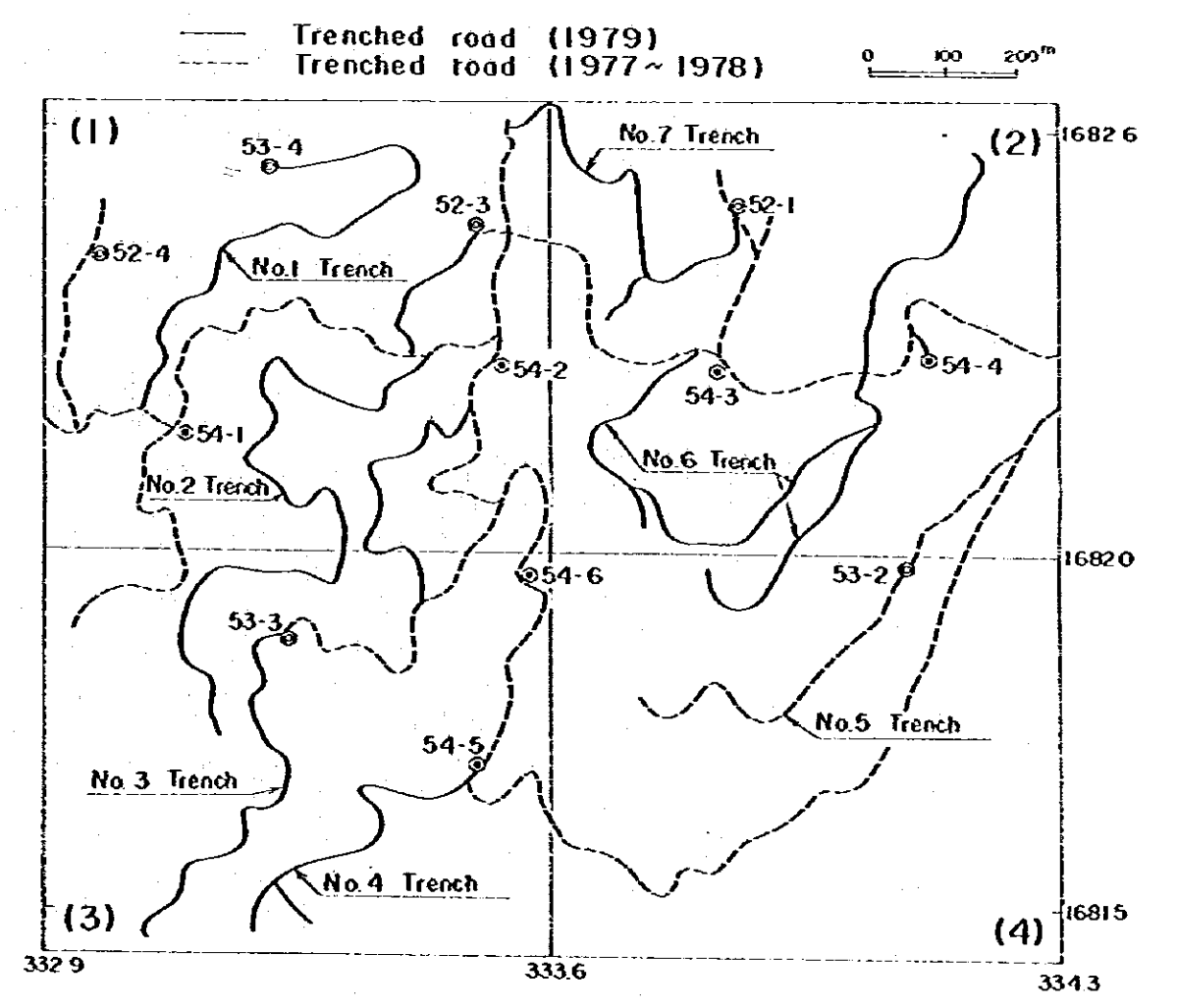


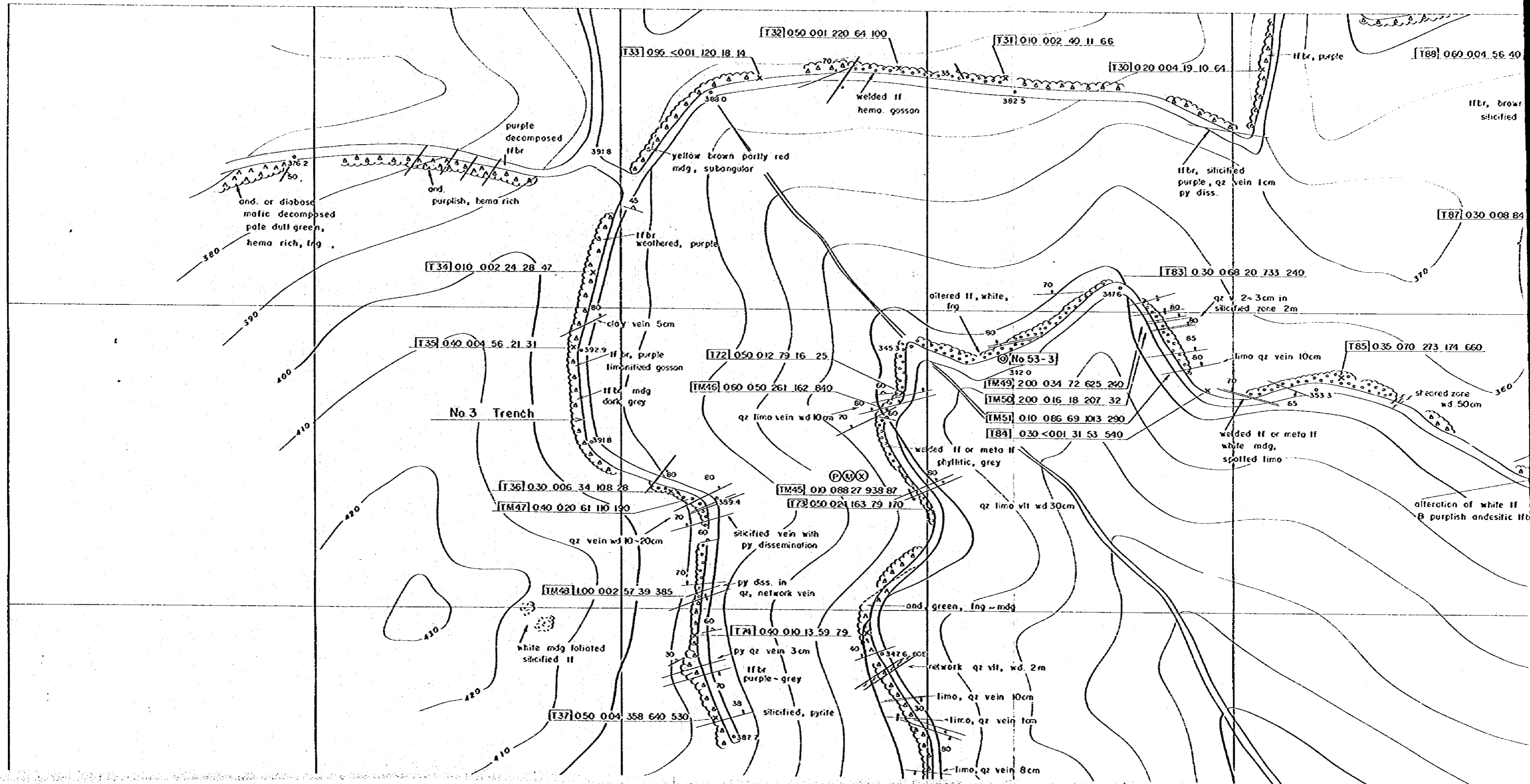
- ⊙ 54-1 DDH by Japanese Team (1979)
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- ⊕ Location of rock samples for thin section
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ABBREVIATION

and	andesite	mdg	medium grain
csg	coarse grain	py	pyrite
diss	disseminate	qz	quartz
fng	fine grain	sh	shale
hemo	hematite	ser	sericite
limo	limonite	vll	veinlet
		wd	width

Location Map





and. or diabase
mafic decomposed
pale dull green,
hema rich, frg.

purple decomposed
ifbr
and.
purplish, hema rich

yellow brown partly red
mdg, subangular

welded if
hemo. gossan

ifbr, silicified
purple, qz vein 1cm
py diss.

ifbr, brown
silicified

T34 010 002 24 28 47

T35 040 004 56 21 31

No. 3 Trench

T72 050 012 79 16 25

TM46 060 050 261 162 840

altered if, white,
frg

T83 030 068 20 733 240

qz v 2-3cm in
silicified zone 2m

T85 035 070 273 174 660

limo qz vein 10cm

sheared zone
wd 50cm

TM49 200 034 72 625 250

TM50 200 016 18 207 32

TM51 010 086 69 103 290

T84 030 <001 31 53 540

welded if or meta if
white mdg,
spotted limo

alteration of white if
& purplish andesitic ifbr

T36 030 006 34 108 28

TM47 040 020 61 110 190

qz vein wd 10-20cm

TM45 010 088 27 938 87

T73 050 021 163 79 170

silicified vein with
py dissemination

welded if or meta if
phyllitic, grey

qz limo vlt wd 30cm

TM43 100 002 57 39 385

white mdg foliated
silicified if

T74 040 010 13 59 79

py qz vein 3cm

ifbr
purple-grey

silicified, pyrite

and. green, lng-mdg

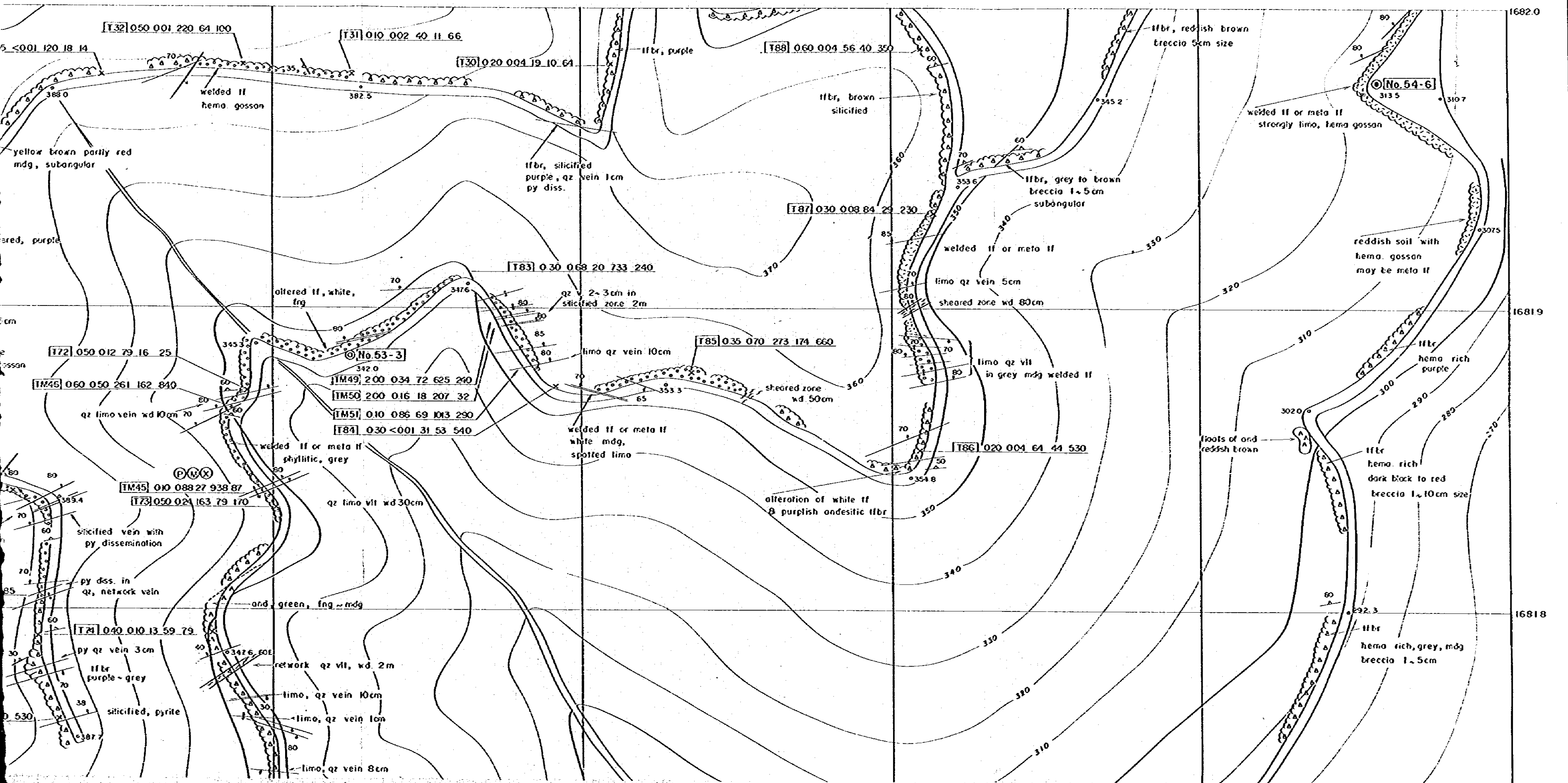
network qz vlt, wd 2m

limo, qz vein 10cm

limo, qz vein 1cm

limo, qz vein 8cm

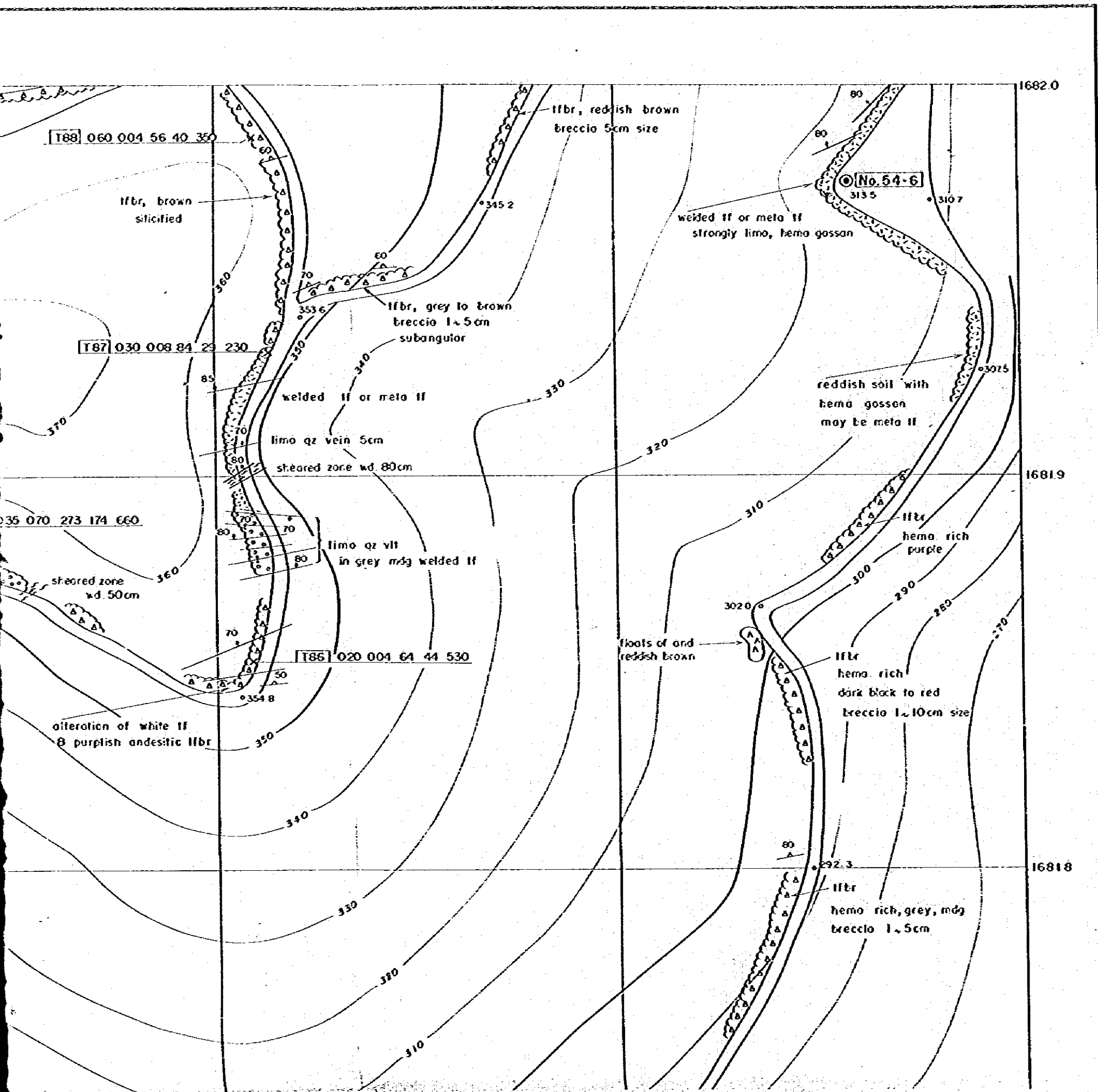
T37 050 004 358 640 530



1682.0

1681.9

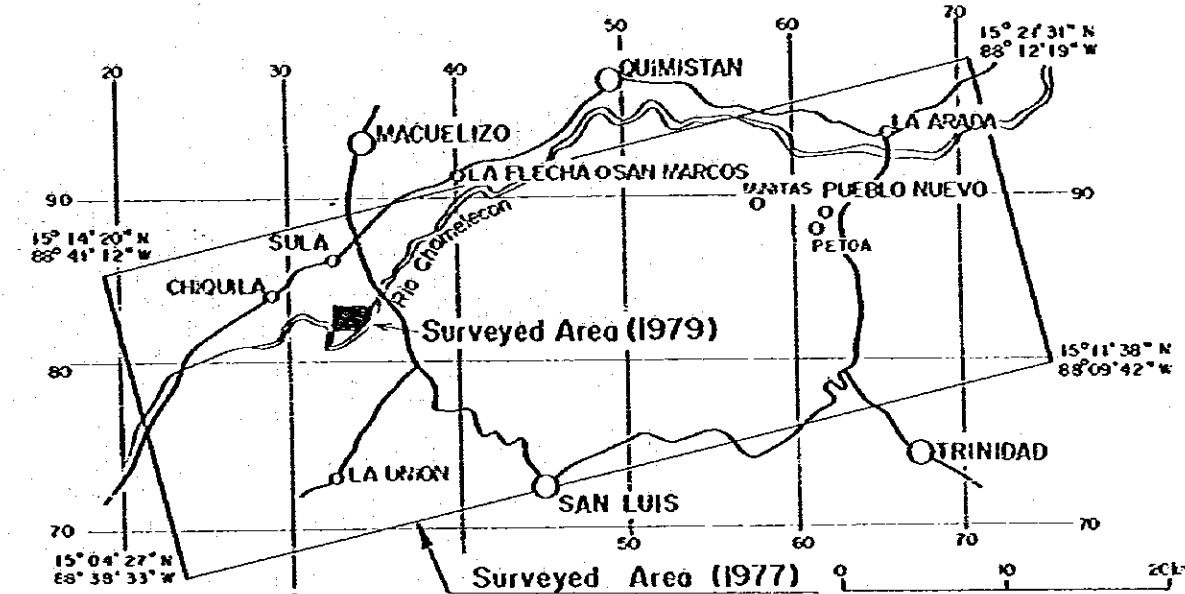
1681.8



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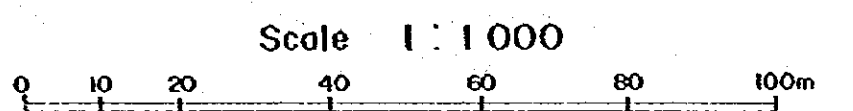
GEOLOGICAL SURVEY
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 VOL. 4

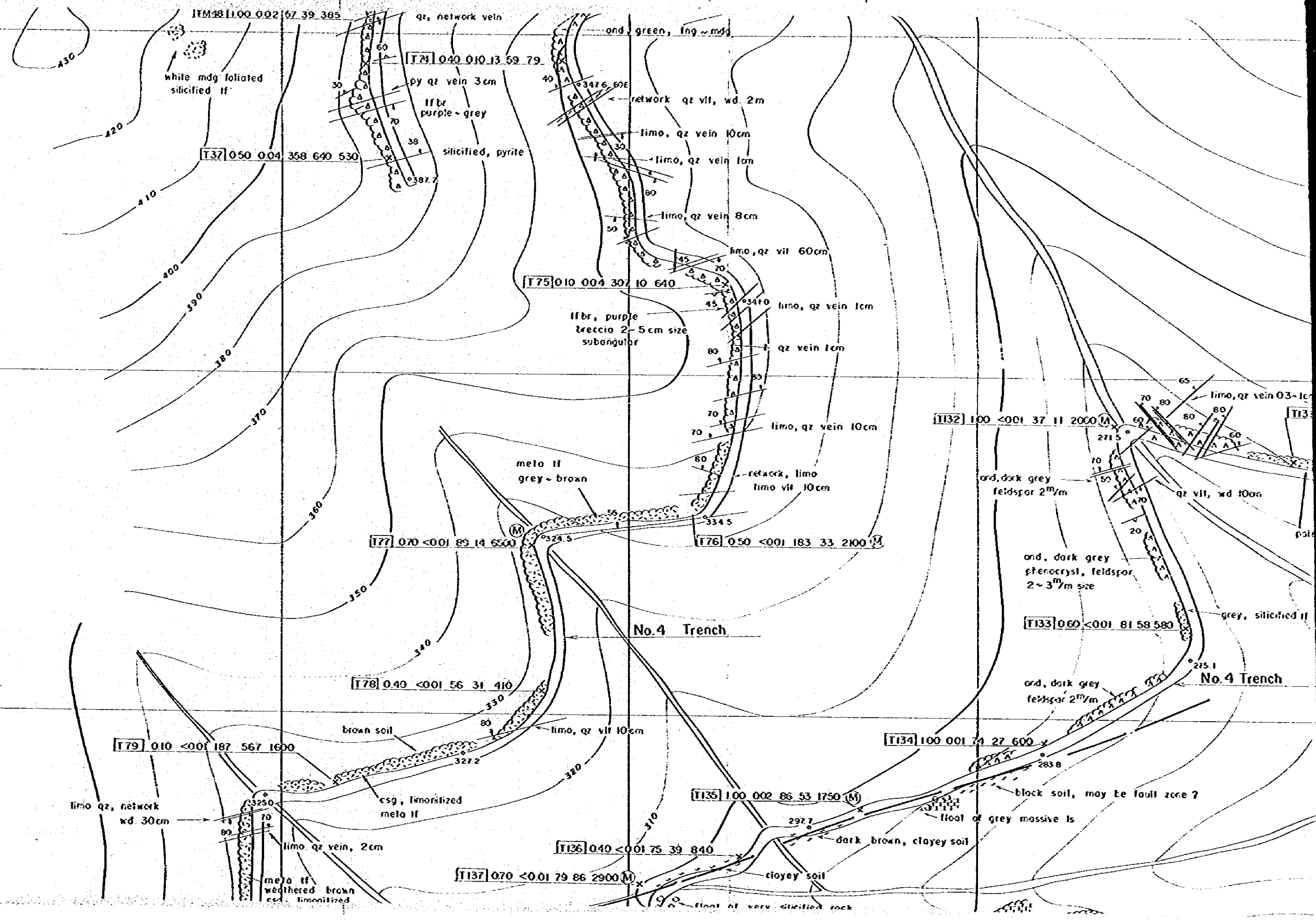
GEOLOGICAL SKETCH OF TRENCHES
 IN THE VUELTAS DEL RIO SECTOR
 (3)

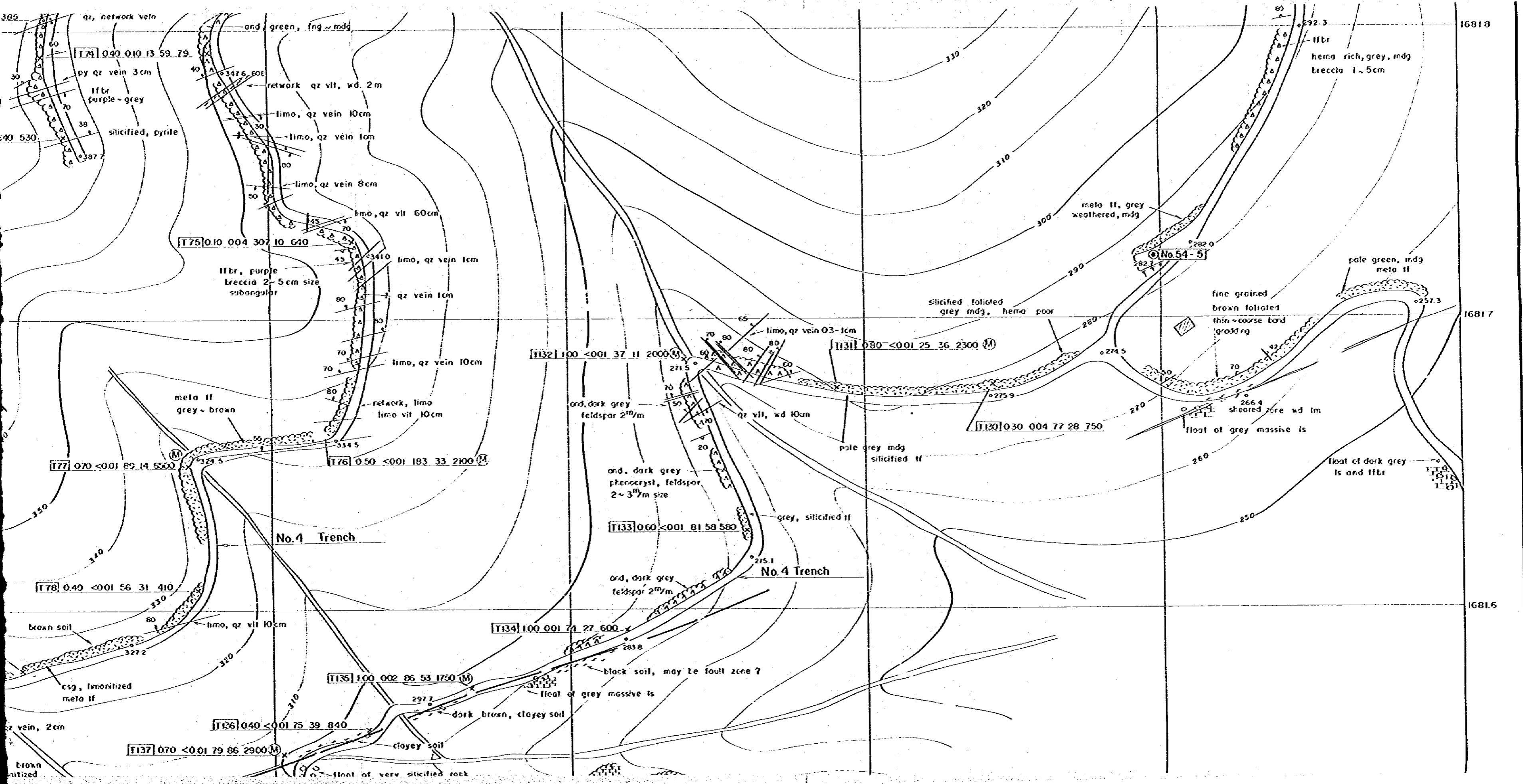


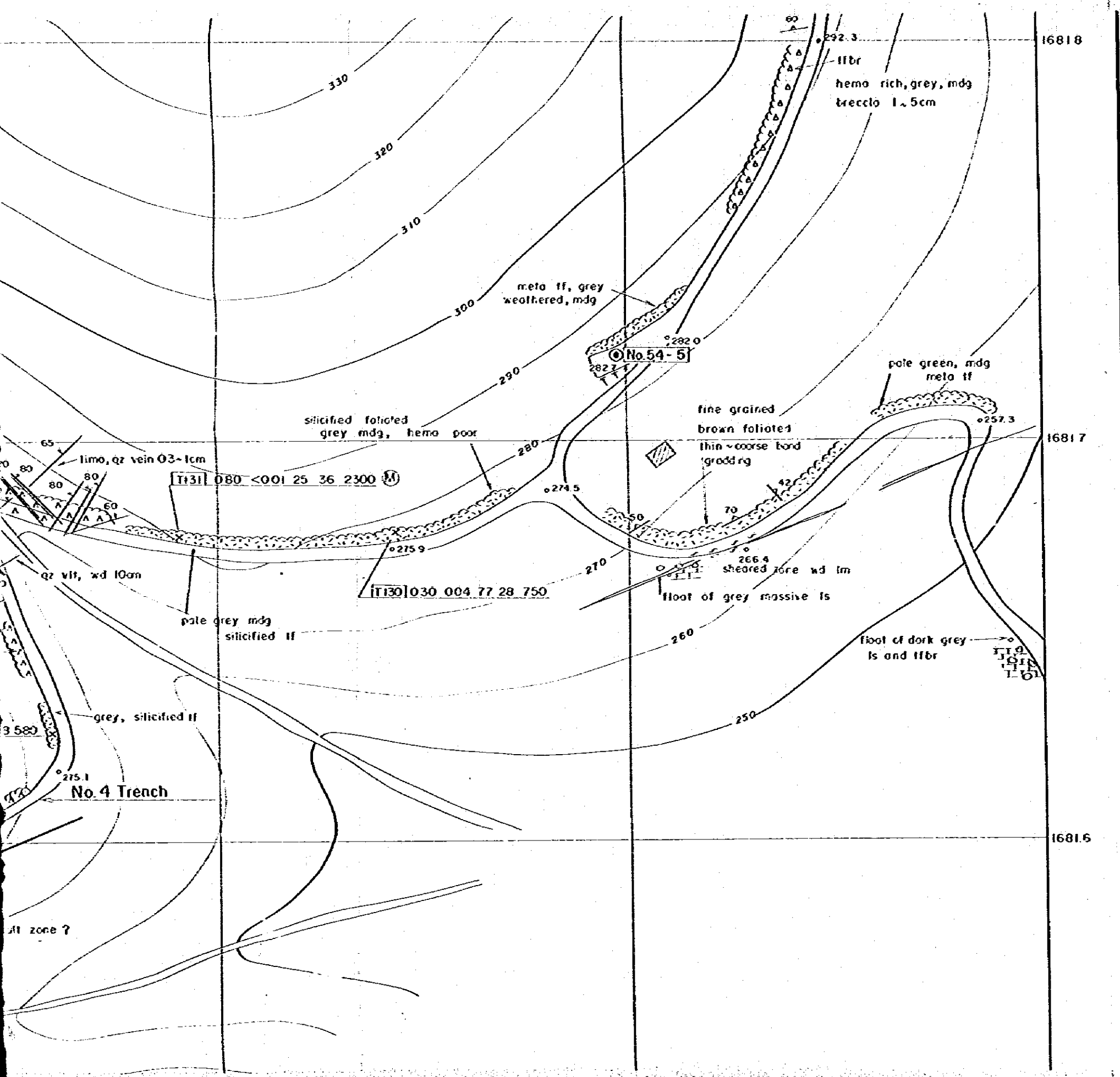
(1)	(2)
(3)	(4)

METAL MINING AGENCY OF JAPAN
 JAPAN INTERNATIONAL COOPERATION AGENCY
 GOVERNMENT OF JAPAN
 FEBRUARY 1980
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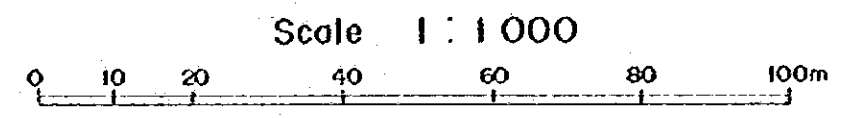








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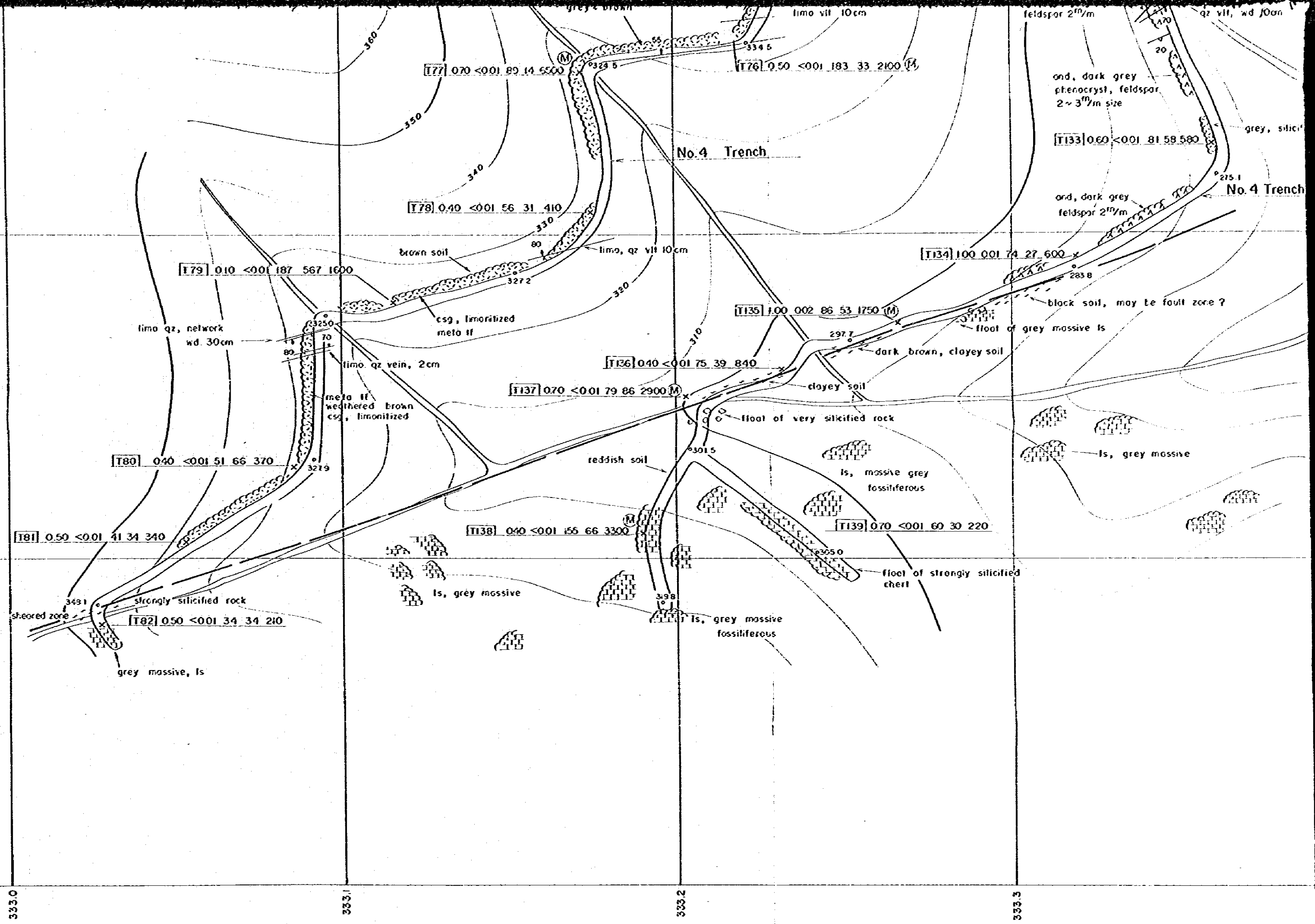
LEGEND

- | | | | |
|--|-----------------------|--|----------------------|
| | meto-tuff | | bedding plane |
| | meto-tuff breccia | | fissure, joint |
| | meto-welded tuff | | fault |
| | meto-tuffaceous shale | | limonite-quartz vein |
| | meto-andesite | | adit |
| | andesite | | old trench |
-
- | | | | | | |
|------|-------|----------|--------|--------|---------|
| No. | width | Au | Cu | Pb | Zn |
| TM13 | 1.0 m | 0.30 g/t | 57 ppm | 12 ppm | 200 ppm |
| T 13 | | | | | |
- TM --- sample in mineralized zone
 T --- geochemical sample (soil)

- ⊙ 54-1 DDH by Japanese Team (1979)
 - ⊙ 52-1 DDH by Japanese Team (1977~1978)
 - ⊙ 53-1
 - UN22 DDH by UNDP (1969~1972)
-
- (T) Location of rock samples for thin section
 - (P) Location of rock samples for polish section
 - (M) Location of ore samples for chemical analysis
 - (X) Location of rock samples for X-ray diffractive analysis

ABBREVIATION

- | | | | |
|------|--------------|-----|--------------|
| and | andesite | mdg | medium grain |
| csg | coarse grain | py | pyrite |
| diss | disseminate | qz | quartz |
| fn | fine grain | sh | shale |
| hemo | hematite | ser | sericite |



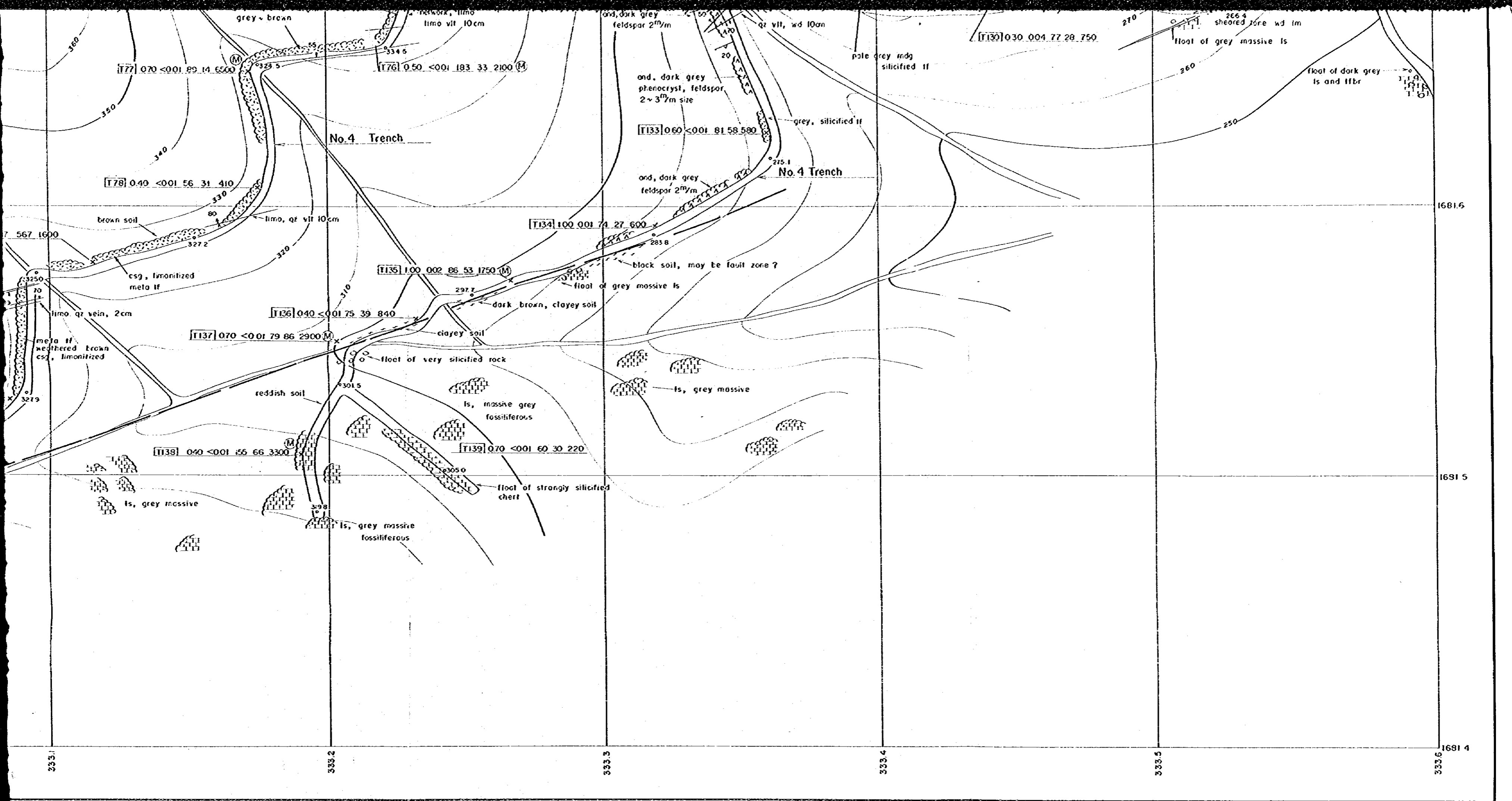
332.9

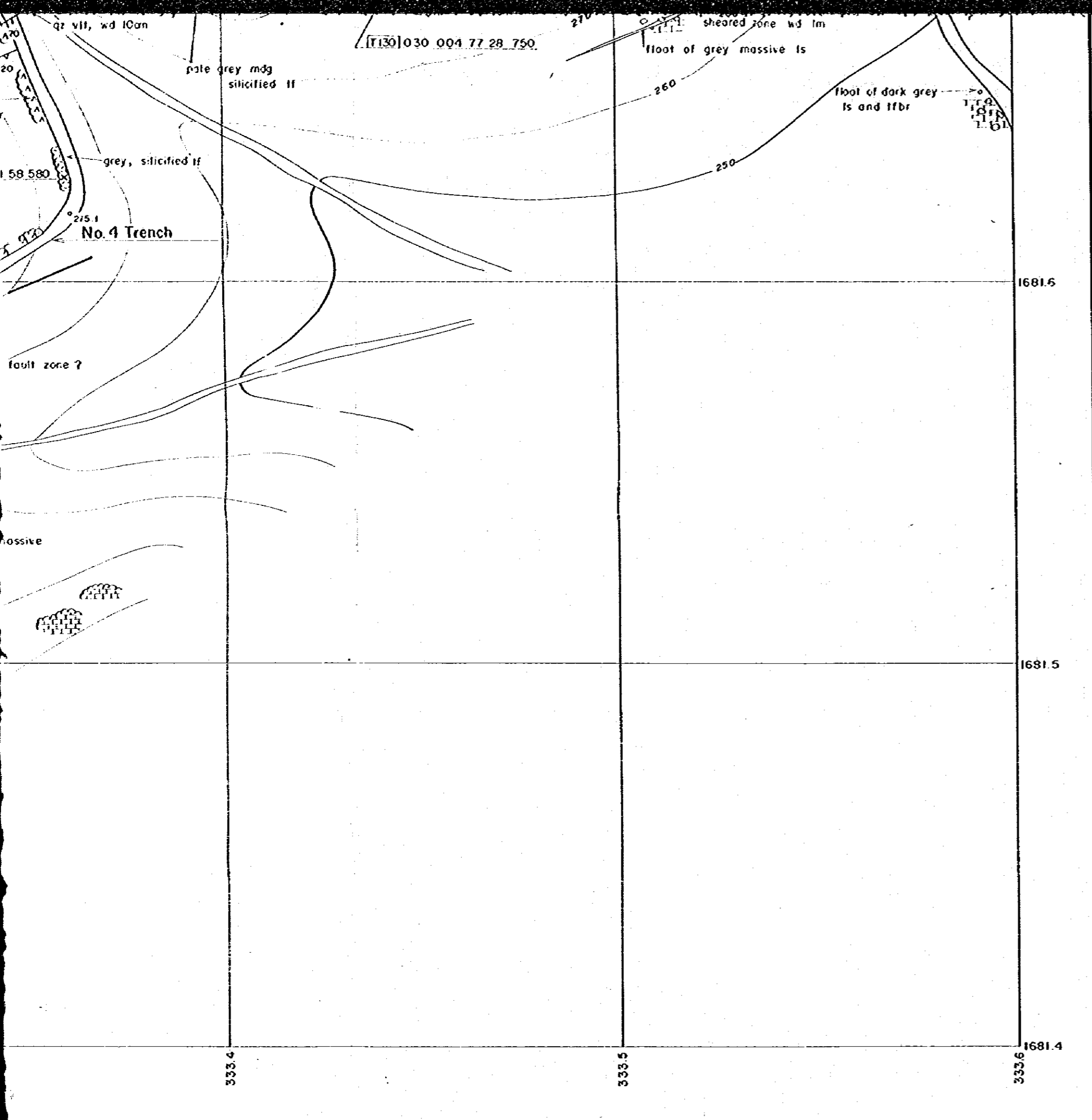
333.0

333.1

333.2

333.3





TM --- sample in mineralized zone
T --- geochemical sample (soil)

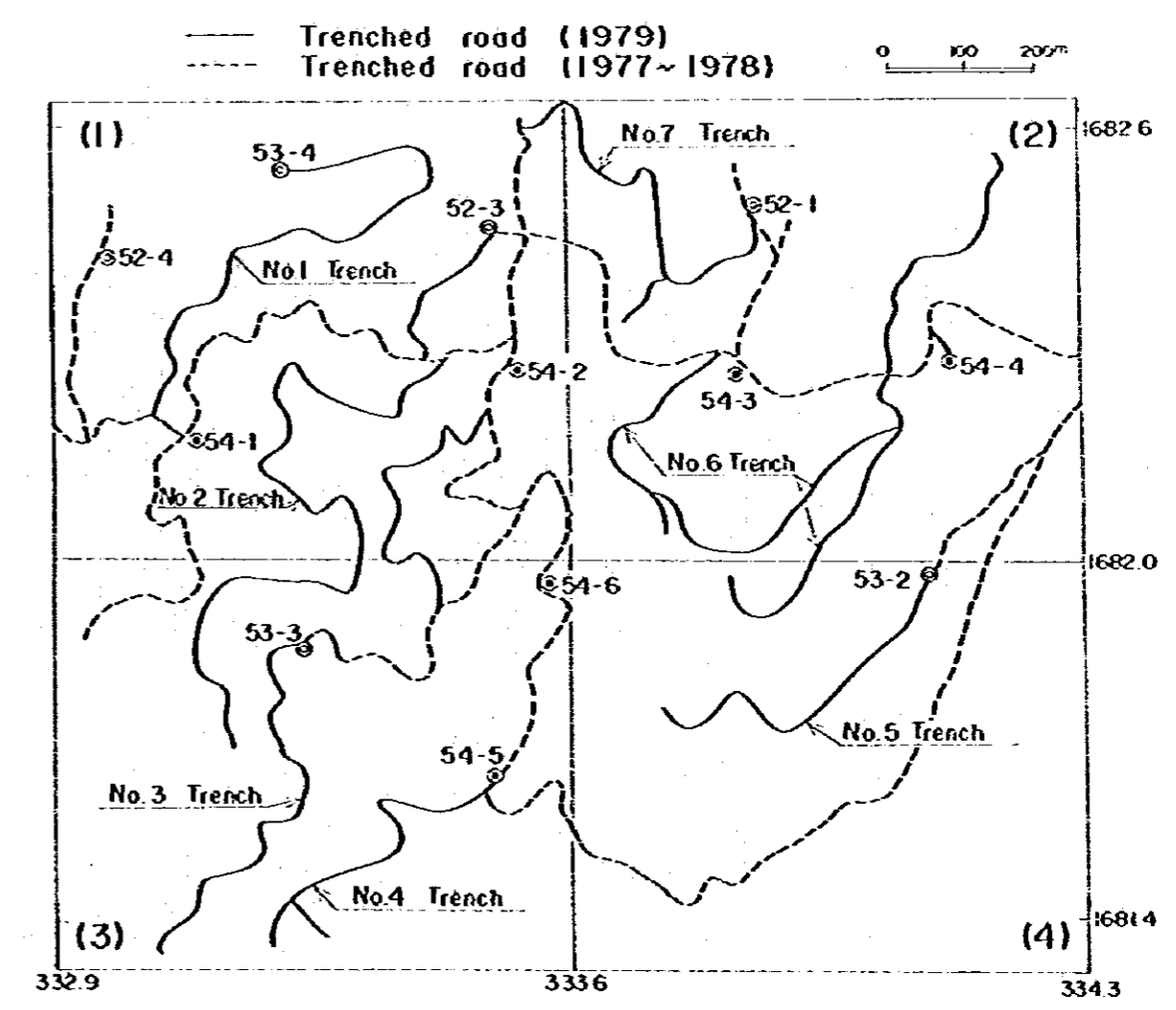
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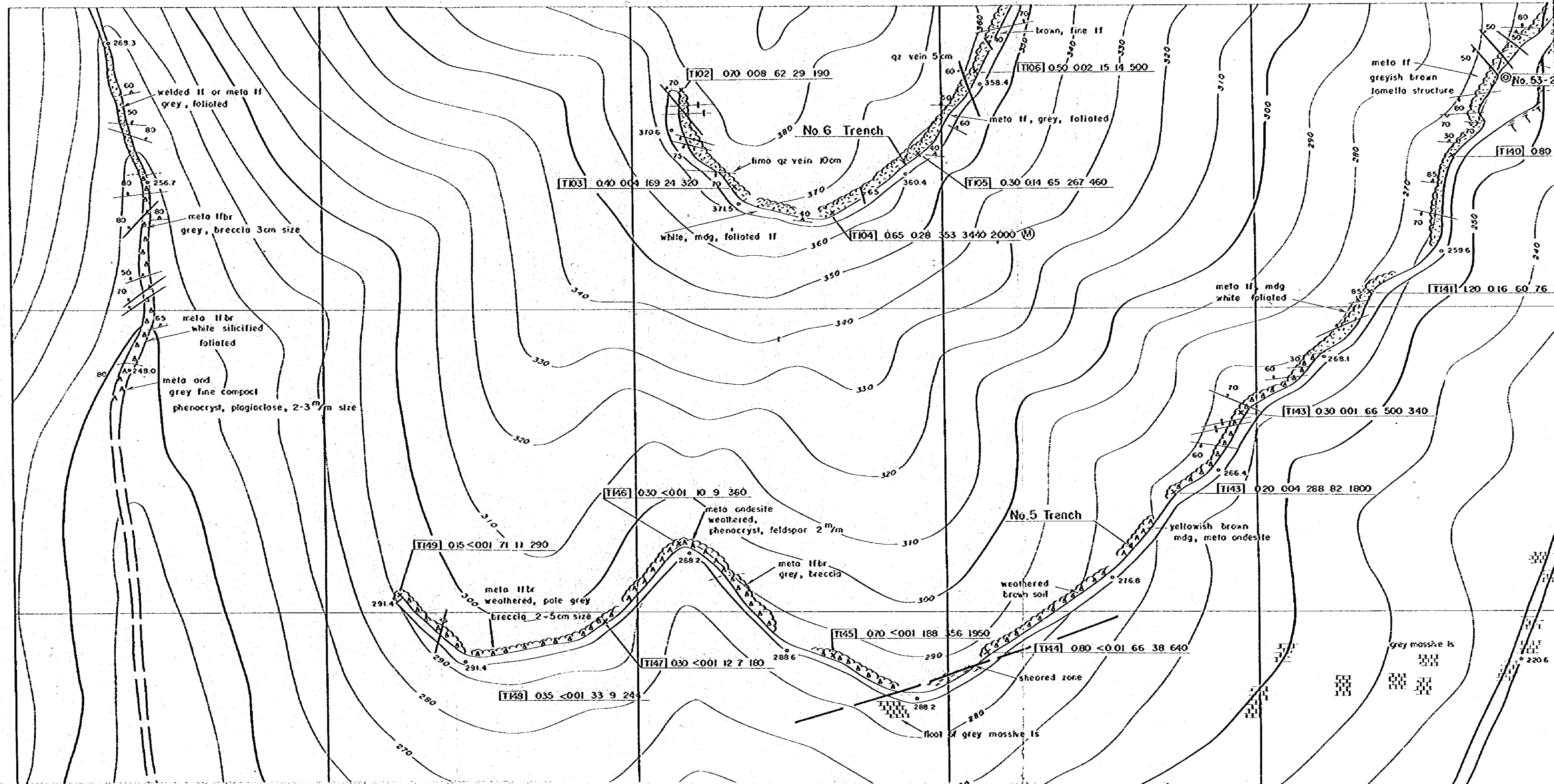
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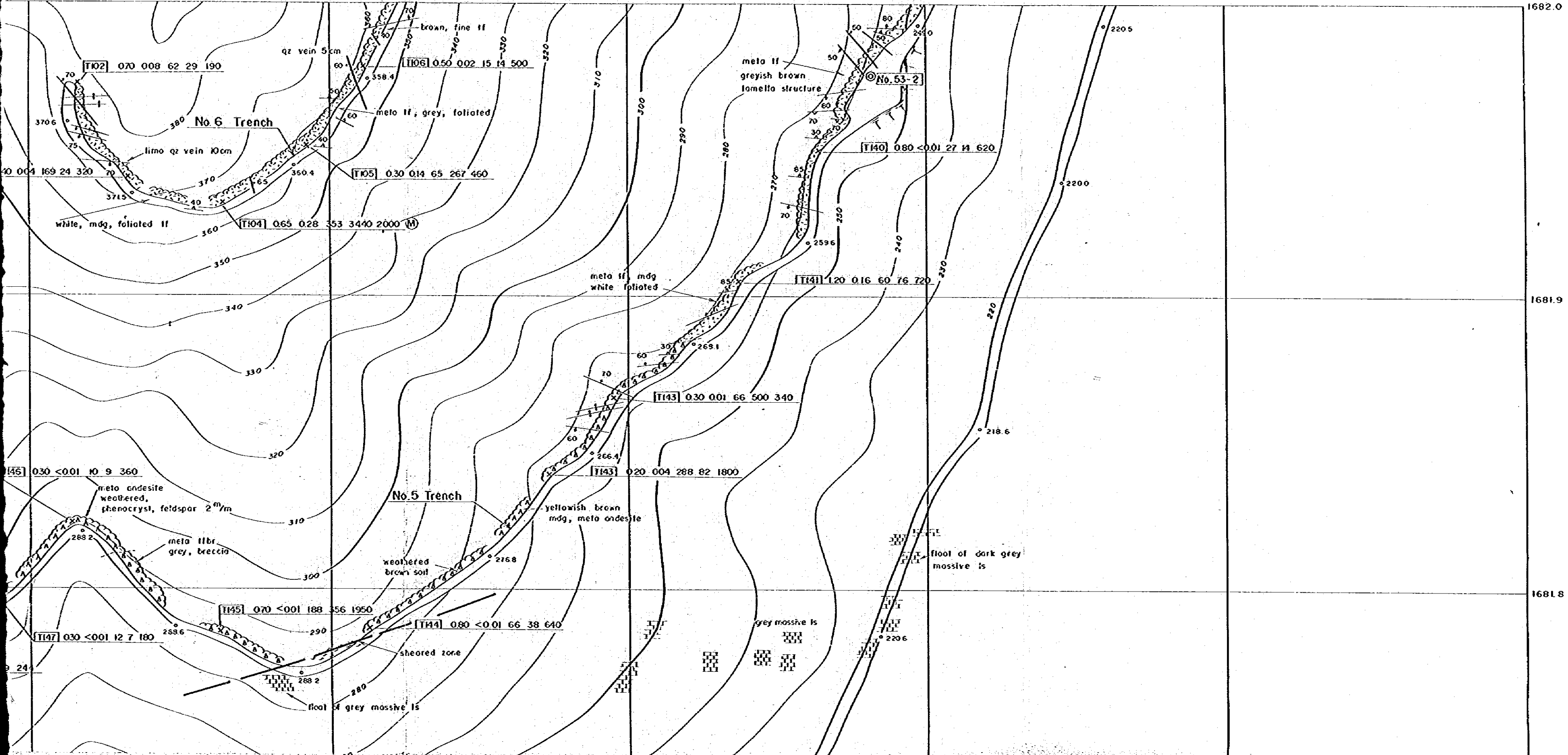
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limo	limonite	vll	veinlet
		wd	width

Location Map



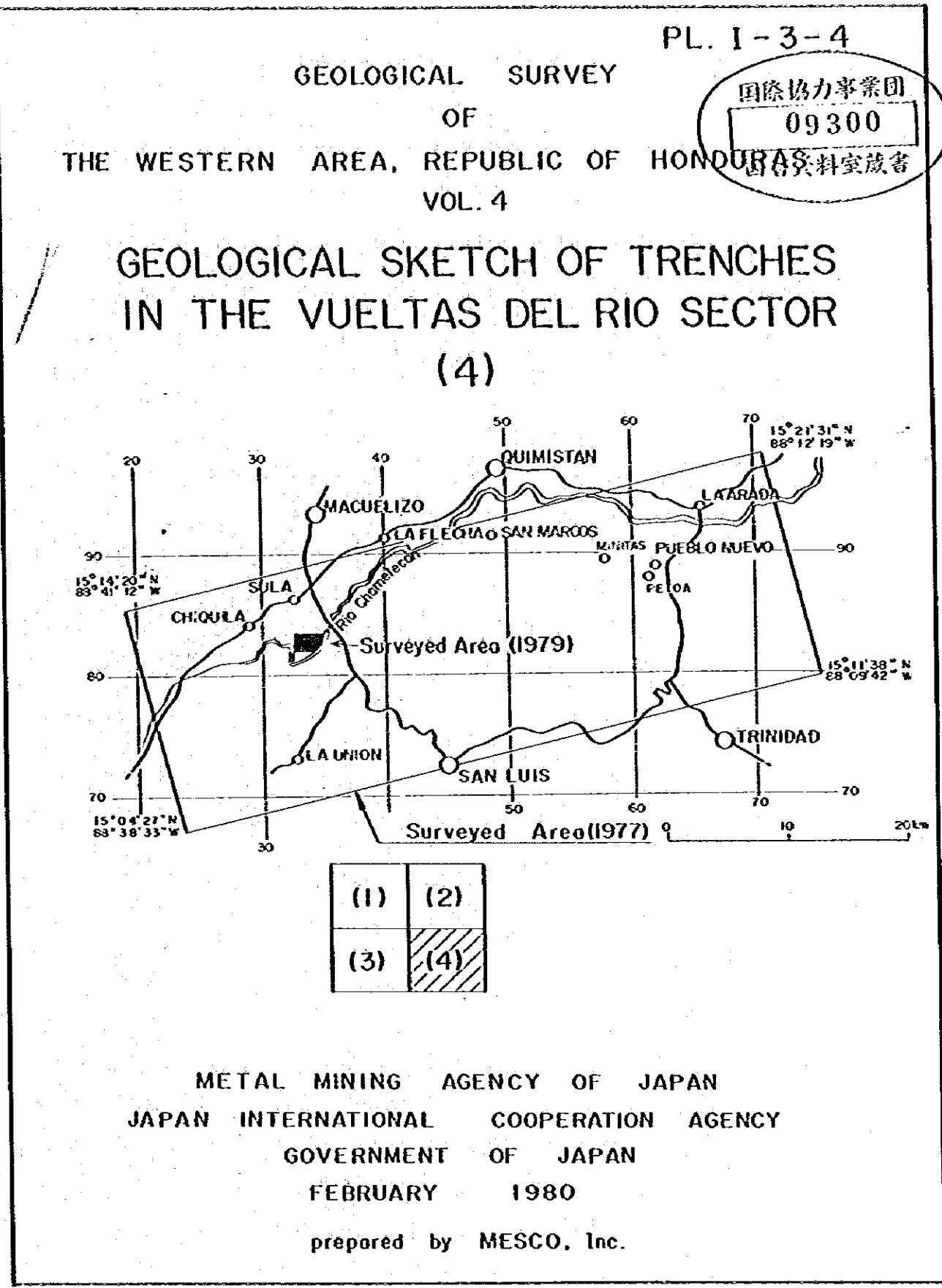
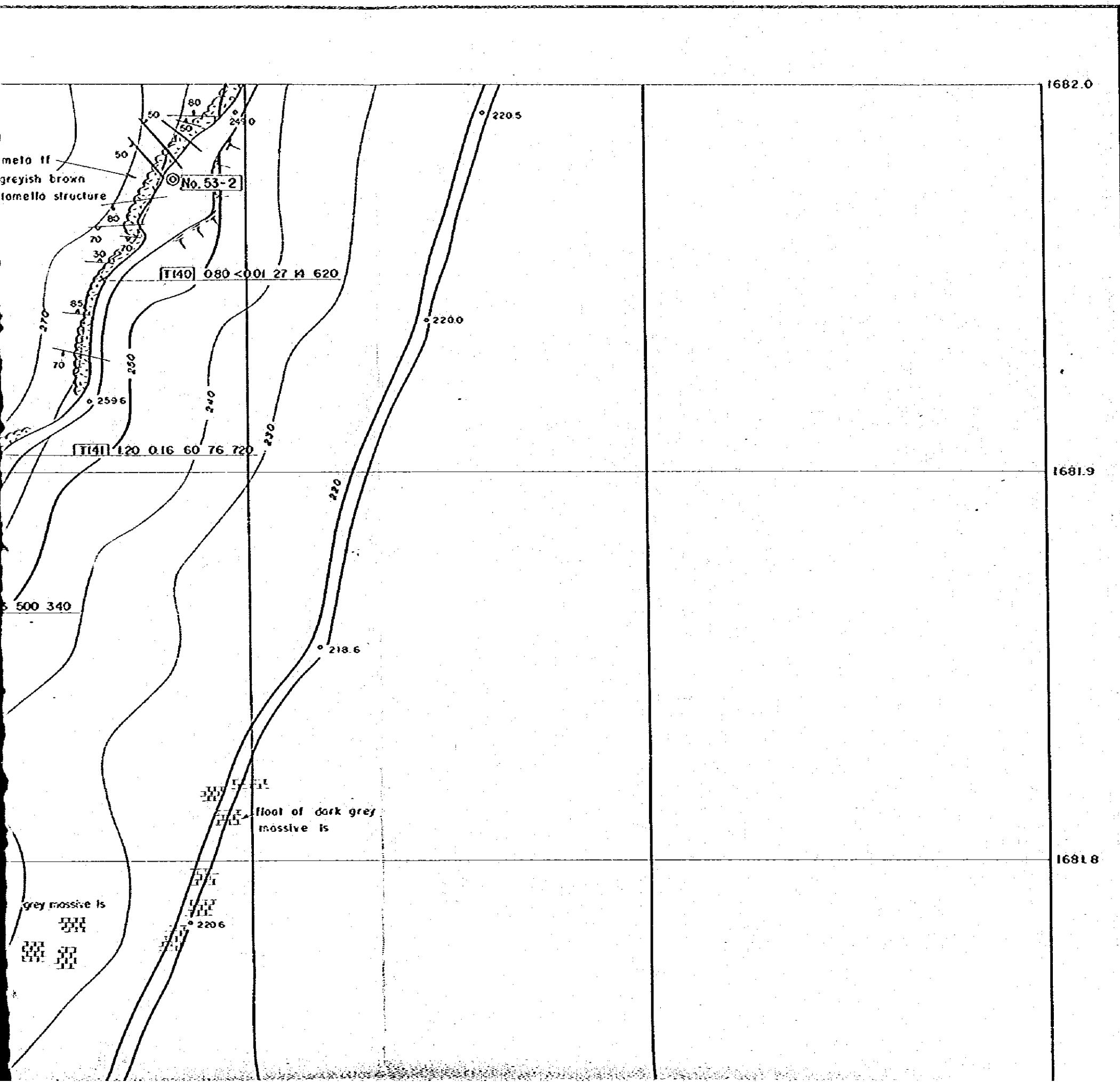


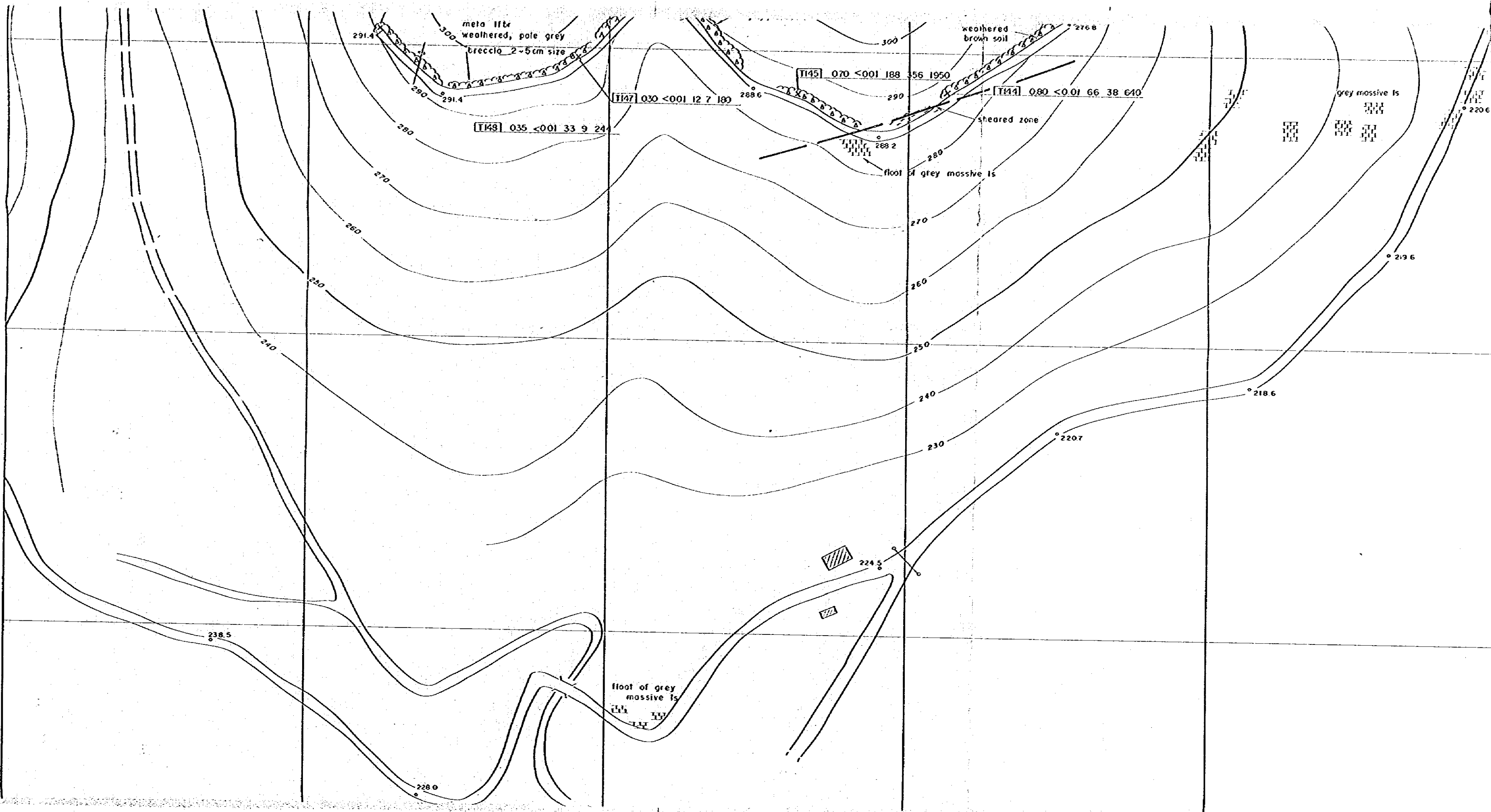


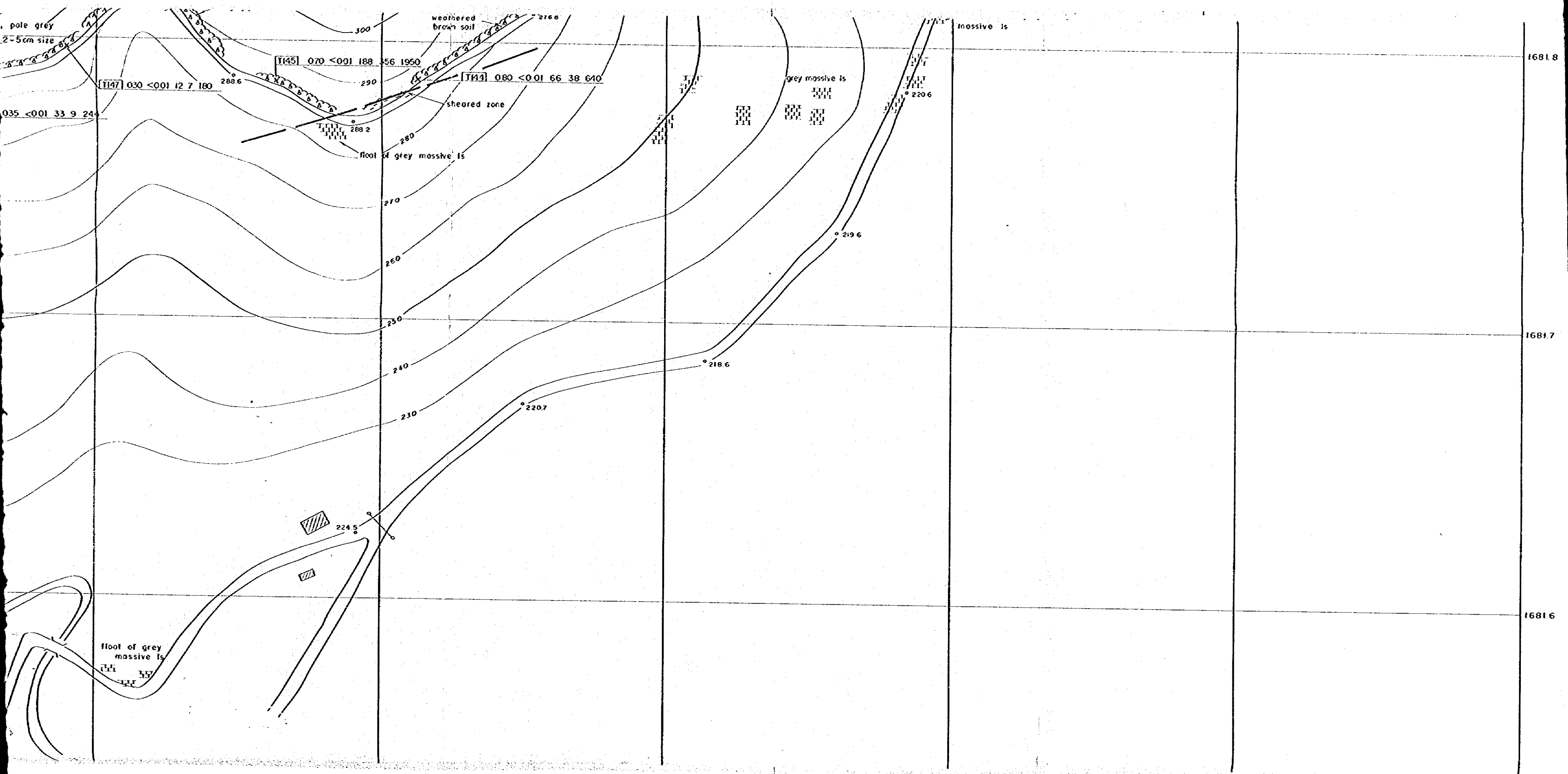
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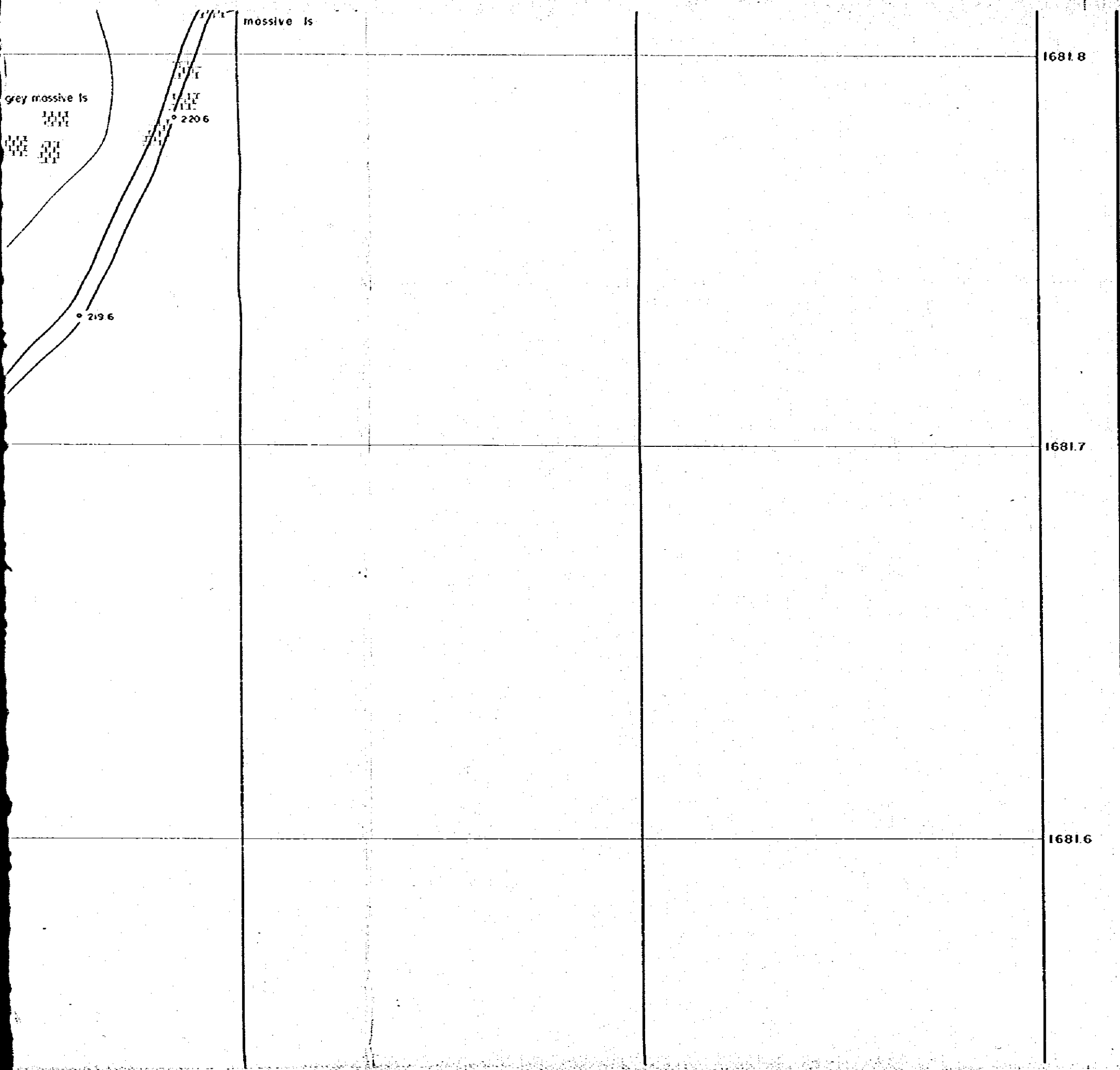
1681.9

1681.8

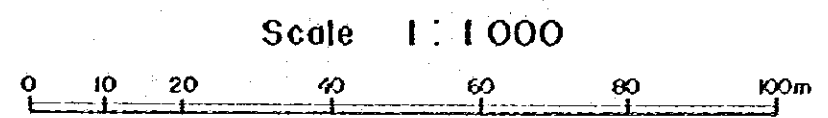








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LEGEND

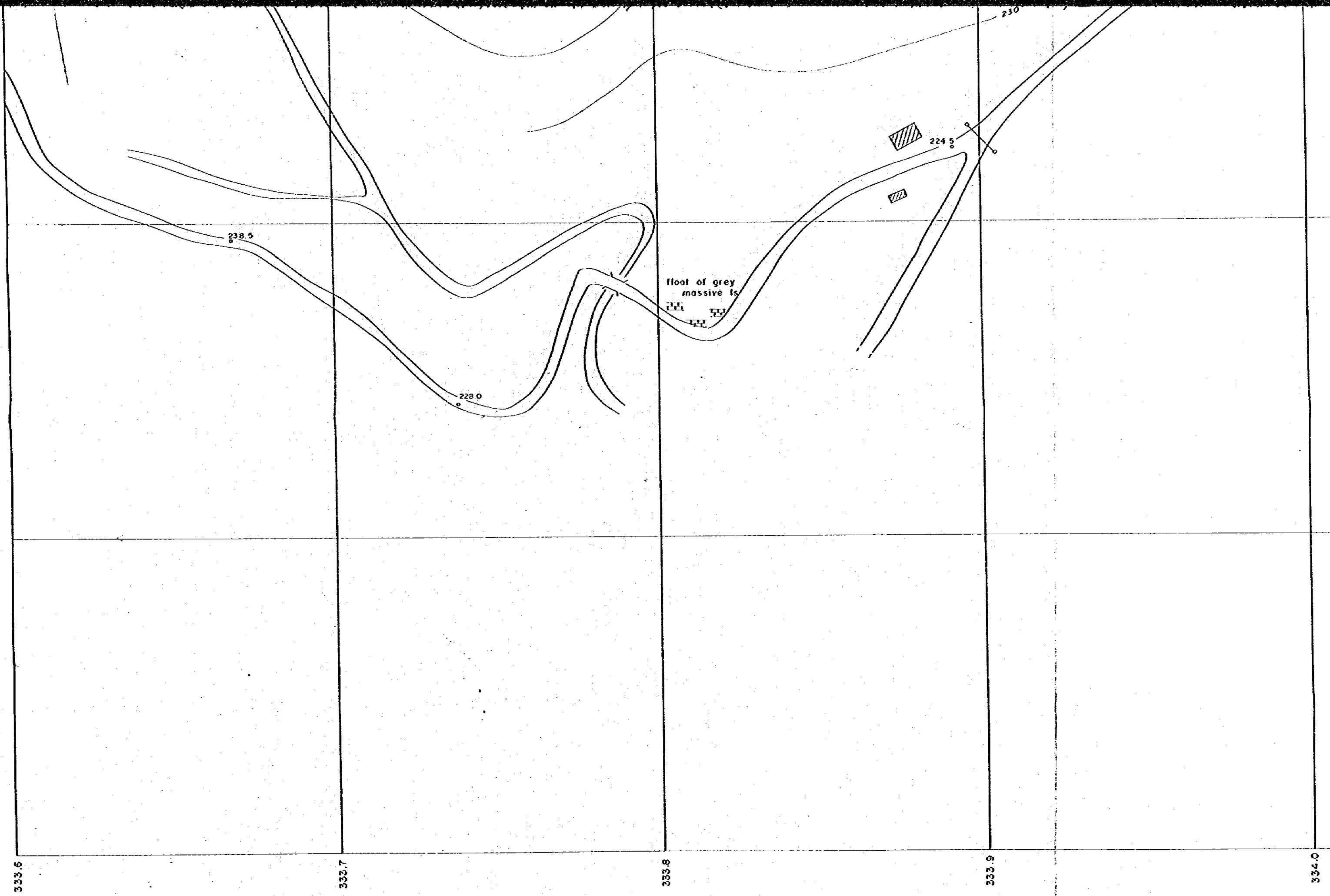
- | | | | |
|--|-----------------------|--|----------------------|
| | meta-tuff | | bedding plane |
| | meta-tuff breccio | | fissure, joint |
| | meta-welded tuff | | fault |
| | meta-tuffaceous shale | | limonite-quartz vein |
| | meta-andesite | | adit |
| | andesite | | old trench |
-
- | | | | | | | |
|---|------|-------|----------|--------|--------|---------|
| | No. | width | Au | Cu | Pb | Zn |
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| T | T 13 | | | | | |
- TM sample in mineralized zone
 T geochemical sample (soil)

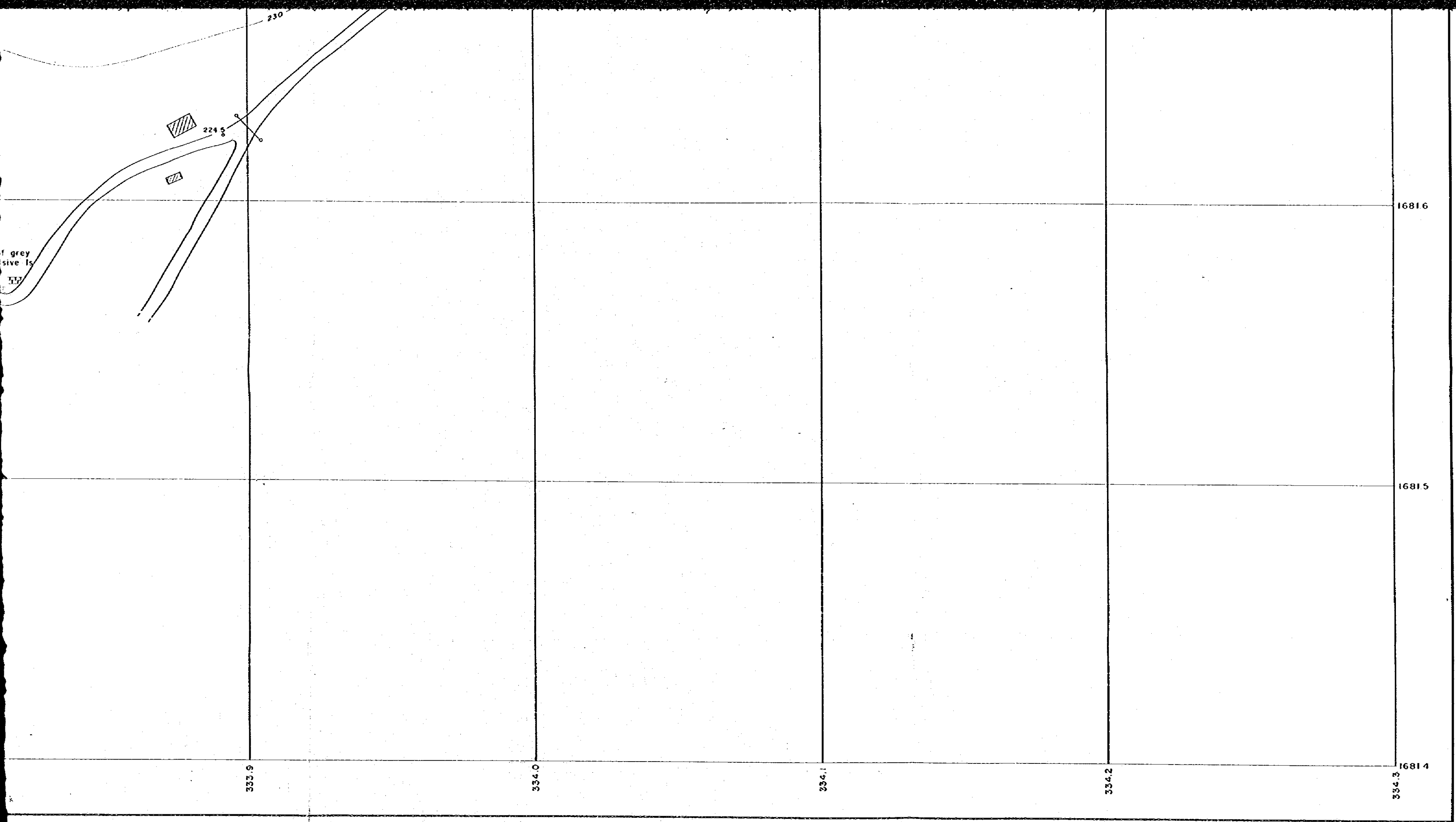
- ⊙ 54-t DDH by Japanese Team (1979)
- ⊙ 52-1 DDH by Japanese Team (1977~1978)
- ⊙ 53-1 DDH by Japanese Team (1977~1978)
- UN22 DDH by UNDP (1969~1972)

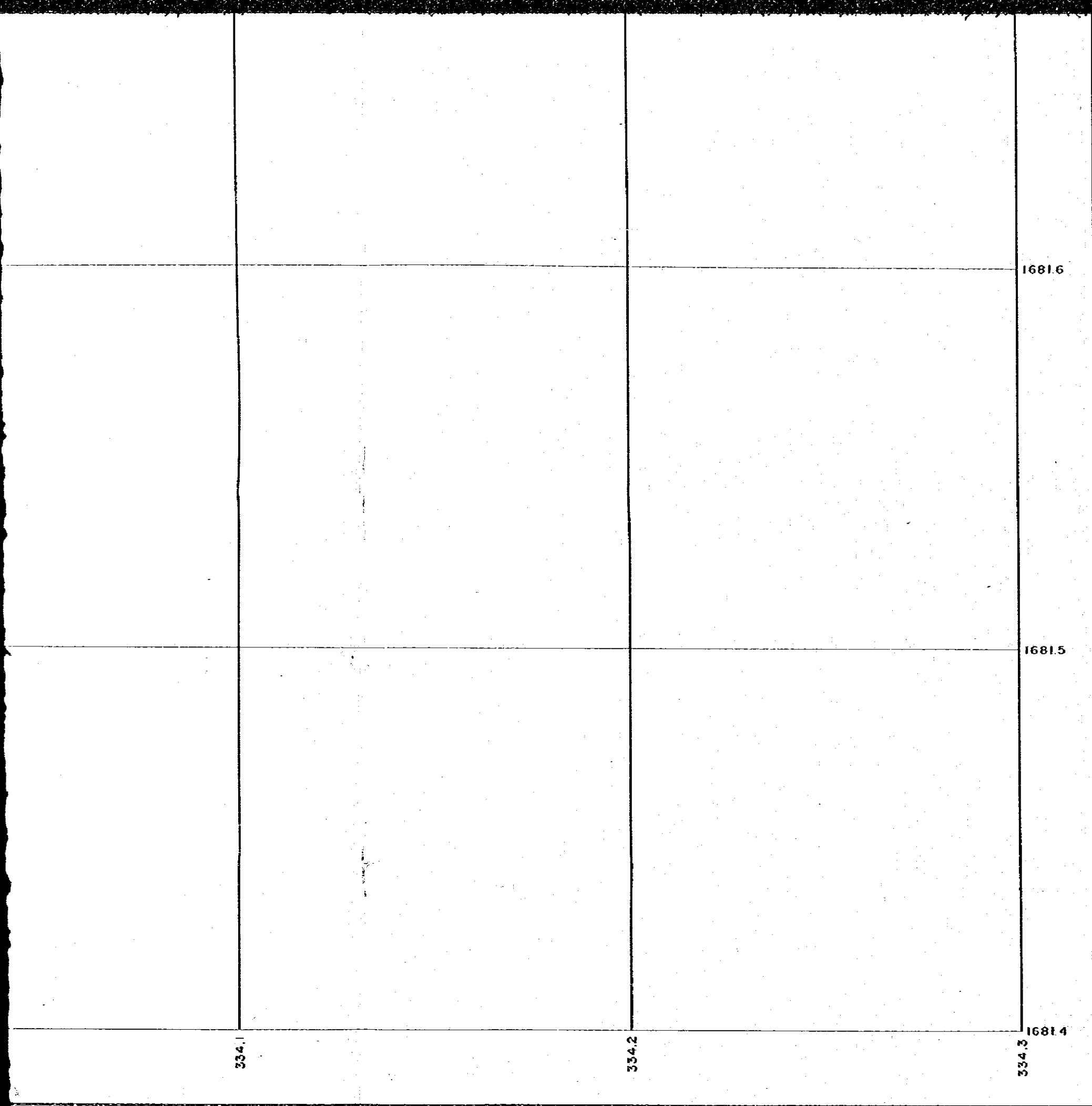
- Ⓣ Location of rock samples for thin section
- Ⓟ Location of rock samples for polish section
- Ⓜ Location of ore samples for chemical analysis
- ⓧ Location of rock samples for X-ray diffractive analysis

ABBREVIATION

- | | | | |
|------|--------------|-----|--------------|
| and | andesite | mdg | medium grain |
| csg | coarse grain | py | pyrite |
| diss | disseminate | qz | quartz |
| fng | fine grain | sh | shale |







TM sample in mineralized zone
 T geochemical sample (soil)

- ◎ 54-1 DDH by Japanese Team (1979)
- ◎ 52-1 DDH by Japanese Team (1977~1978)
- UN22 DDH by UNDP (1969~1972)

- Ⓣ Location of rock samples for thin section
- Ⓟ Location of rock samples for polish section
- Ⓜ Location of ore samples for chemical analysis
- ⓧ Location of rock samples for X-ray diffractive analysis

ABBREVIATION

and	andesite	mdg	medium grain
csg	coarse grain	py	pyrite
diss	disseminate	qz	quartz
fng	fine grain	sh	shale
hemo	hemolite	ser	sericite
limo	limonite	vil	veinlet
		wd	width

Location Map

—— Trenched road (1979)
 - - - Trenched road (1977~1978)

