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206001

MICROFILMED

PROGRESS REPORT
QUEEN HILL JOINT VENTURE
E.L. 47/71 TASMANIA

Quarter to December 31, 1978

78 - 1330

OPEN FILE

This report covers the Aberfoyle
quarter (to period 12) ending
November 23, 1978.

C. H. Young,
Project Geologist
and
R. V. Sale,
Geochemist
December 15, 1978

001

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APPENDIX 1: Drill Hole Collar Survey Locations

LIST OF PLATES:

<u>Plate No.</u>	<u>Title</u>	<u>Scale</u>
QH 108	Stacked Profiles of Total Magnetic Intensity, Queen Hill.	1:5,000
D5-C5	Drill Collar Location Plan, Queen Hill	1:1,000
QH 117	Cross Section G 44 Tramway Anomaly	1:500
QH 123	Soil Geochemistry - Tin	1:2,500
QH 115	Bedrock Geochemistry - Tin	1:2,500
QH 116	Bedrock Geochemistry - Lead/Zinc	1:2,500
QH 119 355/360	Stream Sediment Geochemistry - Tungsten	1:10,000
QH 119 355/365	Stream Sediment Geochemistry - Tungsten	1:10,000
QH 118 355/360	Stream Sediment Geochemistry - Tin	1:10,000
QH 118 355/365	" " " "	1:10,000
QH 120 355/360	Stream Sediment Geochemistry - Arsenic	1:10,000
QH 120 355/365	" " " "	1:10,000
QH 121 355/360	Stream Sediment Geochemistry - Bismuth	1:10,000
QH 121 355/365	" " " "	1:10,000
QH 122 355/360	Stream Sediment Geochemistry - Rubidium	1:10,000
QH 122 355/365	" " " "	1:10,000

INTRODUCTION

This report is a summary of work completed in the quarter ending November 30, 1978 and includes preparation and drafting through to December 31, 1978.

During the quarter, work continued on the re-evaluation of the Queen Hill deposit and included survey pick up of the existing drill collars.

Plotting and assessment of the ground magnetic data was completed.

I.P. surveying of new grid extensions has commenced and a further grid extension consisting of a 1500 metre x 900 metre loop was completed in preparation for a survey by UTEM.

The section for diamond drill hole G44 is presented in this report with assay data.

The orientation base of slope soil geochemistry results are presented in this report and previous grid rock sampling results are presented at the same scale.

A stream sediment survey covering a total catchment area of 48 square kilometres has been completed. Results of this survey, together with the results of those stream sediments collected as an initial orientation, are presented in this report.

The study of the primary element dispersion surrounding the Queen Hill-Severn mineralization is well advanced. Core grinding of all drilling on Section 9900 N through both Queen Hill and Severn has been completed and analyses received. Results are discussed in this report but formal presentation awaits completion of the 1:500 scale cross sections.

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GROUND MAGNETIC SURVEY

Ground magnetic coverage of the Queen Hill area has been extended from 359100 E to 360733 E (new grid area) with north-south traverse lines of 1 kilometre length. The data is presented as stacked profiles of Total Magnetic Intensity on Plate QH 108 as it was not possible to contour the data due to strong regional gradients.

The data presentation illustrates several trends of interest which parallel the local geological strike. A broad trend of 40 gammas amplitude extends from adjacent to the Queen Hill mineralization on line 360600 E to 360100 E and probably reflects weakly magnetic stratigraphy. From line 359600 E to 359100 E parallel magnetic zones are evident, the sources of which are to be tested by the proposed I.P. programme.

I.P. SURVEY

I.P. surveying of the new grid extensions, on lines 200 metres apart, has just commenced. The survey is utilising the dipole-dipole technique with electrodes at 50 metre centres. It is intended that fill in lines at 100 metres spacing will be completed where necessary. Plate QH 109 illustrates the new grid and the proposed I.P. coverage.

UTEM SURVEY

An experimental EM technique, the University of Toronto EM (UTEM) will be available in Australia during mid November - December 1978. This technique is able to record 10 channels of data over a wide range of delay times (equivalent to a wide range of frequencies) and accordingly may detect sizeable conductors up to 300-400 metres below surface. If practicable it is proposed to run a UTEM survey over the new grid area at Queen Hill. The area of the proposed survey is outlined on Plate QH 109.

To conduct this survey it is necessary to lay out a large transmission loop, in preparation for this a 1500 metre x 1000 metre rectangular loop was cut and pegged to the south of and adjoining the new grid.

004



Aberfoyle Exploration Pty Ltd

Drawn :	C.H.Y.
Traced :	A.E.R.
Checked :	
Revised :	

NORTH WEST TASMANIA
 QUEEN HILL E.L. 47/71
 SUMMARY PLAN

Location code:	
Date :	October 1978
Scale :	1:10,000
Plate no :	QH 109

005

206006

QUEEN HILL ORE RESERVE ASSESSMENT

Following the re-logging of all diamond drill core, work is now in hand on the preparation of a set of cross-sections at 1:500 scale.

All available information, that is diamond drill data and data from underground openings, will be compiled on the cross sections.

Surface plans at 1:500 scale are also being compiled.

Due to lack of control in the preparation of the surface plans and to accurately locate the drill holes, a survey of the readily locatable drill collars was conducted by contract surveyors from Renison. The location of the drill collars is now available with A.M.G. grid co-ordinates to an accuracy of 0.1 m. Levels were determined relative to state height datum. (Plate D5.-C5.) The survey data is appended.

DIAMOND DRILLING

A cross section for diamond drill hole G44 is presented in this report. Assay results are plotted on the section. (Plate QH 117)

The carbonated ultramafics are considered suitable host rocks for Sn mineralization, but the lack of a pyrometasomatic alteration facies suggests little likelihood of ore in this vicinity. Along strike extensions of this stratigraphy may be more prospective, particularly in areas of structural complexity and further geological evaluation is recommended.

ORIENTATION GEOCHEMISTRY

a) Soils, Surface Rocks

Tin content of the soils collected last quarter is shown on Plate No. QH 123 1:2500 scale.

For convenience the grid rock sampling reported by D. C. Simpson in the quarter to June 30, 1978, has also been plotted at 1:2500 scale on Plate No. QH 115.

Turekian and Wedepohl (1961) indicate that the average tin content of shales and basalts is respectively 6 ppm and 1.5 ppm, and Divis (1977) gives a figure of 4 ppm for limestone.

Virtually all soil, and most rocks from the orientation area, are well above these levels indicating that the whole area has been affected by some tin bearing metasomatic activity.

On the western flanks of Queen Hill the highest soil results (maximum 7700 ppm Sn) are attributable to downslope dispersion from the outcropping Queen Hill "orebody".

On the south eastern flank of Queen Hill the highest soil results (maximum 1200 ppm Sn) are attributable to an untested bedrock anomaly previously described by Simpson 1978 which is likely to have its source at approximately 1600 N 800 E.

Further examination of this anomaly is warranted, preferably by trenching.

b) Drill Core

As part of an investigation into the metasomatic aureole developed around Queen Hill-Severn, drill core was analysed from all holes on what was known as 9900 N Section, i.e. G 11, 12, 23, 25 - Queen Hill; G 39, 41, 43 - Severn.

Sampling of the drill core was performed by grinding off a continuous fillet using a Bon Core Grinder. This machine uses a diamond cutting wheel to abrade off a powdered sample for analysis. Sample interval was normally 10 metres, but samples were also broken at major lithology changes.

The objective was a wall rock metasomatism study and consequently mineralized intersections that had been previously sawn for assay were not re-sampled.

007

The following drill core has been sampled in this fashion:-

<u>Hole</u>	<u>Interval Metres</u>	<u>Number of Samples</u>
G 11	0 - 140	14
	140 - 160.2	Mineralization-previously sampled
	160.2 - 163.8	1
G 12	0 - 168.65	18
	168.65 - 230.0	Mineralization - previously sampled
	230.0 - 265.5	4
G 23	0 - 115.70	12 Excluding previously sampled inter- sections 95.55-97.95m. 104.25-105.05m.
G 28	0 - 337.29	36
G 39	0 - 135.6	20
	135.6 - 144.5	Mineralization - previously sampled
	144.5 - 167.3	4
	167.7 - 280.5	Mineralization - previously sampled
	280.5 - 364.2	8
G 41	0 - 292.5	34 Excluding previously sampled inter- sections 153.0-160.0 m.
G 43	0 - 189.0	22
	319.0 - 358.5	4
TOTAL		177

A portion of the ground core was pulverized to approximately -300 mesh and analysed by XRF for Sn, W, Rb, Bi and As and by specific ion electrode for F.

Detection limits using these procedures were as follows - 4 ppm Sn, 10 ppm W, 2 ppm Rb, 4 ppm Bi, 10 ppm As, 200 ppm F.

Accuracy of $\pm 5\%$ relative is claimed for the analytical technique.

Results of these analyses have been received and plotted as informal work sheets at 1:500 scale. Formal interpretation and presentation awaits completion of the 1:500 scale cross sections that will result from the recently completed re-logging of all diamond drill core.

STREAM SEDIMENT SURVEY

A total of 276 stream sediment samples were collected, representing drainage from a catchment area of 48 square kilometres, i.e. an average density of 5.75 samples per square kilometre.

Field collection techniques were those developed during the stream sediment orientation. A large amount of sediment gravels etc. was wet sieved in the field to $-1/8$ inch. The $-1/8$ inch sample was dried and the -80# fraction sieved out for analysis.

A portion of the -80# fraction was pulverized to approximately -300 mesh and analysed by XRF for Sn, W, Rb, Bi and As. Detection limits and accuracy are identical to those previously stated in the preceding section.

Results of these analyses have been received and are shown on the enclosed plans at 1:2500 scale:

Stream sediment	Sn content	Plate Nos.	QH 118 355/360, 355/365
"	" W "	" "	QH 119 355/360, 355/365
"	" Rb "	" "	QH 122 355/360, 355/365
"	" Bi "	" "	QH 121 355/360, 355/365
"	" As "	" "	QH 120 355/360, 355/365

From these it can be seen that there are some high values that can not be attributed to the mineralization known to date. Field follow up of these anomalies is planned for the next quarter. There is a possibility that some of the anomalies are due to pollution from mineralized material that has been removed from its source by early mining activity.

WORK PLANNED

The following summarises the work proposed for licence area during the coming field season. A number of these items were planned for the previous quarter but were delayed due to changes in staffing:

- . Continuing the re-appraisal of the geology of the Queen Hill mineralization.
- . Geological mapping of the Queen Hill grid extensions.
- . Soil geochemistry at 25 metre centres on the Queen Hill grid extensions.
- . Follow up of stream sediment anomalies indicated in the recently completed stream sediment survey.
- . Expanding the stream sediment survey to cover the western part of the licence area.
- . I.P. geophysics on the new Queen Hill grid extensions.
- . UTEM survey over the same area as the I.P.
- . Follow-up ground magnetics over the North-West anomaly and rock chip sampling of the Silver Stream area.

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QUEEN HILL JOINT VENTURE - STATEMENT OF EXPENDITURE

Statement of expenditure for quarter ending November 21, 1978

Geology	4,302
Survey	991
Geophysics	1,182
Geochemistry	10,133
Drilling - assays	1,932
Percussion drilling	5,971
Miscellaneous	963
	<u>\$25,474</u>
Overhead @ 15%	3,821
	<u>\$25,295</u>

REFERENCES

- Divis, A.F. (1977) Island Arc Porphyry Copper Deposits. Exploration and Evaluation. Colorado School of Mines, Notes.
- Simpson, D.C. (1978) Progress Report Queen Hill Joint Venture. Exploration Licence 47/71, Tasmania. Quarter to June 30, 1978.
- Turekian, K.K. & Wedepohl, K.H. (1961) Distribution of the elements in some major units of the Earth's crust. Bull. Geol. Soc. Am 72, 175-192.
- Young, C.H., & Sale, R. V. (1978) Progress Report Queen Hill Joint Venture, Exploration Licence 47/71, Tasmania. Quarter to September 30, 1978.

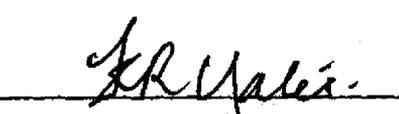
Submitted: _____

C.H. Young
Geologist



R.V. Sale
Geochemist

Endorsed: _____


K.R. Yates
Chief Geologist

APPENDIX I

012

206013

G6.01

JOB QUEEN HILL DDH G-6
SURVEYOR AJ MARSHALL
DATE 7:10:78
F.B 33\53/10

CALCED.....*AJM*

CHECKED.....*JR*

START STN QG\H27 COORDS N:5361797.007 E:360687.152 R.L:248.404
B.S STN QH26 BACK BRG D:11 M:37 S:2
LEGS:2 HOW MEAS:3 TAPE:2

LEG 1 STN ROD
REITS:2
B.S D:0 M:17 S:36 F.S D:193 M:48 S:18
B.S D:180 M:17 S:36 F.S D:13 M:48 S:36
V.A D:101 M:49 S:48 V.A D:258 M:11 S:0
H.I:1.548 H.T:0
SD:8.410 TEMP DIFF:0 SPANS:1
BACK DIST NO

FORWARD - HEIGHT 0.175 DIST 8.231

LEG 2 STN COLLAR
REITS:2
B.S D:0 M:17 S:36 F.S D:194 M:25 S:54
B.S D:180 M:17 S:36 F.S D:14 M:26 S:0
V.A D:106 M:5 S:0 V.A D:90 M:0 S:0
DIF IS 0.5790000000000000E+05 SECS CHANGE YES
V.A D:106 M:53 S:0 V.A D:253 M:7 S:6
H.I:1.548 H.T:0
SD:8.628 TEMP DIFF:0 SPANS:1
BACK DIST NO

FORWARD - HEIGHT 0.958 DIST 8.256

CHANGE ANY NO

STN NO	NORTHINGS	EASTINGS	R.L
QH27	5361797.007	360687.152	248.404
ROD	5361789.555	360683.656	248.229
COLLAR	5361789.571	360683.564	247.446

G-6

BRG 230 D 9 M 39 S - DIST 0.093
DIP - 83 D - 12 M - 22 S - SD 0.788

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013

G6.01

206014

JOB QUEEN HILL DDH G-7
SURVEYOR AJ MARSHALL
DATE 7:10:78
F.B 353/11

CALCED.....
AJM

CHECKED.....
J.B.

START STN QH30 COORDS N:5361683.694 E:360649.006 R.L:249.198
B.S STN QH29 BACK BRG D:9 M:13 S:5
LEGS:2 HOW MEAS:3 TAPE:2

LEG 1 STN ROD
REITS:2
B.S D:0 M:9 S:6 F.S D:198 M:0 S:48
B.S D:180 M:9 S:48 F.S D:18 M:0 S:48
DIFF IN ANG 1 IS 21 SECS
DIFF IN ANG 2 IS 21 SECS
CHANGE NO
V.A D:87 M:30 S:0 V.A D:272 M:30 S:18
H.I:1.683 H.T:0
SD:13.920 TEMP DIFF:7 SPANS:1
BACK DIST NO

HEIGHT DIST
FORWARD 2.291 13.907

LEG 2 STN COLLAR
REITS:2
B.S D:0 M:9 S:6 F.S D:199 M:38 S:24
B.S D:180 M:9 S:48 F.S D:19 M:38 S:24
DIFF IN ANG 1 IS 21 SECS
DIFF IN ANG 2 IS 21 SECS
CHANGE NO
V.A D:90 M:18 S:42 V.A D:269 M:41 S:54
H.I:1.683 H.T:0
SD:13.893 TEMP DIFF:7 SPANS:1
BACK DIST NO

HEIGHT DIST
FORWARD 1.609 13.893

CHANGE ANY NO

STN NO NORTHINGS EASTINGS R.L
QH30 5361683.694 360649.006 249.198
ROD 5361671.311 360642.676 251.489
COLLAR 5361671.508 360642.334 250.807

G-7

BRG 299 D 54 M 27 S - DIST 0.395
DIP - 59 D - 56 M - 9 S - SD 0.788

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014

G6.01

206015

JOB QUEEN HILL DDH G-9
SURVEYOR AJ MARSHALL
DATE 7:10:78
F.B 353/7

CALCED. *AIM*
CHECKED. *JK*

START STN QH20 COORDS N:5361924.463 E:360709.785 R.L:234.174
B.S STN QH17 BACK BRG D:62 M:10 S:11
LEGS:2 HOW MEAS:3 TAPE:2

LEG 1 STN ROD
REITS:2
B.S D:0 M:17 S:0 F.S D:106 M:11 S:54
B.S D:180 M:16 S:54 F.S D:286 M:11 S:48
V.A D:80 M:44 S:36 V.A D:279 M:14\5 S:48
H.I:1.595 H.T:0
SD:12.585 TEMP DIFF:-6 SPANS:1
BACK DIST NO

FORWARD HEIGHT DIST
3.620 12.420

LEG 2 STN COLLAR
REITS:2
B.S D:0 M:17 S:0 F.S D:106 M:54 S:6
B.S D:180 M:16 S:54 F.S D:286 M:54 S:6
V.A D:84 M:13 S:30 V.A D:275 M:46 S:24
H.I:1.595 H.T:0
SD:12.438 TEMP DIFF:-6 SPANS:1
BACK DIST NO

FORWARD HEIGHT DIST
2.846 12.374

CHANGE ANY NO

STN NO	NORTHINGS	EASTINGS	R.L
QH20	5361924.463	360709.785	234.174
ROD	5361912.311	360712.349	237.794
COLLAR	5361912.326	360712.191	237.020

G-S

BRG 275 D 16 M 4 S - DIST 0.159
DIP - 78 D - 22 M - 23 S - SD 0.790

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fed

015

206016

G6.01

JOB QHEEN HILL DDH G-10
SURVEYOR AJ MARSHALL
DATE 7:10:78
F.B 353/2

CALCED.....^{ASM}

CHECKED.....^{JK}

START STN QH5 COORDS N:5361698.856 E:360735.495 R.L:286.072
B.S STN QH4 BACK BRG D:188 M:17 S:20
LEGS:2 HOW MEAS:3 TAPE:2

LEG 1 STN ROD
REITS:2
B.S D:0 M:4 S:0 F.S D:171 M:30 S:18
B.S D:180 M:4 S:0 F.S D:351 M:30 S:42
V.A D:105 M:23 S:0 V.A D:254 M:37 S:18
H.I:1.558 H.T:0
SD:21.666 TEMP DIFF:-4 SPANS:1
BACK DIST NO

FORWARD - HEIGHT 4.188 DIST 20.887

LEG 2 STN COLLAR
REITS:2
B.S D:0 M:4 S:0 F.S D:171 M:0 S:42
B.S D:180 M:4 S:0 F.S D:351 M:0 S:48
V.A D:107 M:13 S:42 V.A D:252 M:47 S:0
H.I:1.558 H.T:0
SD:21.980 TEMP DIFF:-4 SPANS:1
BACK DIST NO

FORWARD - HEIGHT 4.949 DIST 20.991

CHANGE ANY NO

STN NO	NORTHINGS	EASTINGS	R.L
QH5	5361698.856	360735.495	286.072
ROD	5361719.743	360735.397	281.884
COLLAR	5361719.845	360735.215	281.123

G-10

BRG 299 D 25 M 23 S - DIST 0.209
DIP - 74 D - 38 M - 22 S - SD 0.789

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plotted

016

G6.01

JOB QUEEN HILL DDH G-12
SURVEYOR AJ MARSHALL
DATE 7:10:78
F.B 353/4

206017

CALCED. *AJM*
CHECKED. *JR*

START STN QH11 COORDS N:5361813.007 E:360760.466 R.L:266.534
B.S STN QH8 BACK BRG D:206 M:27 S:44
LEGS:2 HOW MEAS:3 TAPE:2

LEG 1 STN ROD
REITS:2
B.S D:0 M:11 S:0 F.S D:338 M:25 S:42
B.S D:180 M:11 S:36 F.S D:158 M:25 S:54
V.A D:87 M:52 S:12 V.A D:272 M:8 S:0
H.I:1.618 H.T:0
SD:17.674 TEMP DIFF:0 SPANS:1
BACK DIST NO

HEIGHT DIST
FORWARD 2.275 17.661

LEG 2 STN COLLAR.
REITS:2
B.S D:0 M:11 S:0 F.S D:338 M:51 S:24
B.S D:180 M:11 S:36 F.S D:158 M:51 S:48
V.A D:90 M:23 S:6 V.A D:269 M:37 S:0
H.I:1.618 H.T:0
SD:17.718 TEMP DIFF:0 SPANS:1
BACK DIST NO

HEIGHT DIST
FORWARD 1.499 17.716

CHANGE ANY NO

STN NO	NORTHINGS	EASTINGS	R.L
QH11	5361813.007	360760.466	266.534
ROD	5361795.406	360759.018	268.809
COLLAR.	5361795.362	360758.881	268.033

G-12

BRG 252 D 6 M 43 S - DIST 0.144
DIP - 79 D - 29 M - 19 S - SD 0.789

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plotted

G6.01
JOB QUEEN HILL DDH G-13
SURVEYOR AJ MARSHALL
DATE 7:10:78
F.B 353/5

CALCED.....

CHECKED.....

START STN QG13 COORDS N:5361870.653 E:360821.8\784 R.L:260.676
B.S STN QH12 BACK BRG D:203 M:19 S:17
LEGS:2 HOW MEAS:3 TAPE:2

LEG 1 STN ROD
REITS:2
B.S D:0 M:4 S:6 F.S D:63 M:29 S:42
B.S D:180 M:3\4 S:36 F.S D:243 M:29 S:48
V.A D:92 M:33 S:42 V.A D:267 M:26 S:48
H.I:1.518 H.T:0
SD:10.455 TEMP DIFF:0 SPANS:1
BACK DIST NO

FORWARD HEIGHT DIST
1.051 10.444

LEG 2 STN COLLAR
REITS:2
B.S D:0 M:4 S:6 F.S D:64 M:22 S:18
B.S D:180 M:4 S:36 F.S D:244 M:22 S:18
V.A D:95 M:57 S:0 V.A D:264 M:3 S:24
H.I:1.518 H.T:0
SD:10.898 TEMP DIFF:0 SPANS:1
BACK DIST NO

FORWARD HEIGHT DIST
0.389 10.839

CHANGE ANY NO

STN NO	NORTHINGS	EASTINGS	R.L
QG13	5361870.653	360821.784	260.676
ROD	5361870.060	360811.357	261.727
COLLAR	5361870.203	360810.954	261.065

G-13

BRG 289 D 34 M 47 S - DIST 0.427
DIP - 57 D - 12 M - 8 S - SD 0.788

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pttd

G6.01

JOB QUEEN HILL DDH G-14
SURVEYOR AJ MARSHALL
DATE 7:10:78
F.B 353/1

CALCED. *DM*.....

CHECKED. *JK*.....

START STN QH6 COORDS N:5361636.898 E:360736.477 R.L:269.120
B.S STN QH2 BACK BRG D:242 M:37 S:26
LEGS:2 HOW MEAS:3 TAPE:1

LEG 1 STN ROD
REITS:2
B.S D:0 M:8 S:12 F.S D:341 M:59 S:48
B.S D:180 M:8 S:12 F.S D:162 M:0 S:0
V.A D:102 M:30 S:6 V.A D:257 M:30 S:6
H.I:1.605 H.T:0
SD:3.220 TEMP DIFF:0 SPANS:1
BACK DIST NO

FORWARD HEIGHT DIST
0.903 3.144

LEG 2 STN COLLAR
REITS:2
B.S D:0 M:8 S:12 F.S D:347 M:35 S:6
B.S D:180 M:8 S:12 F.S D:167 M:35 S:36
V.A D:112 M:56 S:6 V.A D:247 M:4 S:6
H.I:1.605 H.T:0
SD:3.595 TEMP DIFF:0 SPANS:1
BACK DIST NO

FORWARD HEIGHT DIST
0.204 3.311

C-14.

CHANGE ANY NO

STN NO	NORTHINGS	EASTINGS	R.L
QH6	5361636.898	360736.477	269.120
ROD	5361634.655	360734.274	270.028
COLLAR	5361634.773	360733.938	269.324

BRG 289 D 20 M 16 S - DIST 0.356
DIP - 63 D - 9 M - 1 S - SD 0.789

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Y. Allen

019

206020

G3.01

JOB QUEEN HILL DDDH G-15 (ASSUMED COLLAR)
SURVEYOR AJ MARSHALL
DATE 1\7:10:78
F.B 353/6

CALCED.....*AJM*

CHECKED.....*JR*

START STN QH19 COORDS N:5361816.343 E:360877.915 R.L:236.840
B.S STN QH18 BACK BRG D:350 M:29 S:8
LEGS:1 HOW MEAS:2

LEG 1 STN G-15

REITS:2

B.S D:0 M:14 S:0 F.S D:151 M:28 S:0
B.S D:180 M:14 S:0 F.S D:331 M:27 S:48
V.A D:103 M:55 S:0 V.A D:256 M:5 S:42

H.I:1.568

WIRES:0.851 1.825 1.8

BACK DIST NO

FORWARD - HEIGHT DIST
0.447 4.805

CHANGE ANY NO

STN NO	NORTHINGS	EASTINGS	R.L
QH19	5361816.343	360877.915	236.840
G-15	5361812.571	360880.892	236.393

G-1

FROM	TO	DIST	FORWARD BRG
QH19	G-15	4.805	141 D 43 M 2 S

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W.H.S.

020

G6.01

206021

JOB QUEEN HILL DDH G-16
SURVEYOR AJ MARSHALL
DATE 7:10:78
F.B 353/7

CALCED. *AIM*
CHECKED. *JR*

START STN QH21 COORDS N:5361955.682 E:360739.486 R.L:224.999
B.S STN QH20 BACK BRG D:223 M:34 S:20
LEGS:2 HOW MEAS:3 TAPE:1

LEG 1 STN ROD
REITS:2
B.S D:0 M:19 S:18 F.S D:307 M:49 S:54
B.S D:180 M:19 S:42 F.S D:127 M:50 S:0
V.A D:92 M:36 S:54 V.A D:267 M:23 S:30
H.I:1.580 H.T:0
SD:4.245 TEMP DIFF:0 SPANS:1
BACK DIST NO

FORWARD HEIGHT 1.387 DIST 4.241

LEG 2 STN COLLAR
REITS:2
B.S D:0 M:19 S:18 F.S D:313 M:15 S:6
B.S D:180 M:19 S:42 F.S D:133 M:15 S:12
V.A D:101 M:44 S:0 V.A D:258 M:16 S:24
H.I:1.580 H.T:0
SD:4.290 TEMP DIFF:0 SPANS:1
BACK DIST NO

FORWARD HEIGHT 0.708 DIST 4.200

CHANGE ANY NO

STN NO	NORTHINGS	EASTINGS	R.L
QH21	5361955.682	360739.486	224.999
ROD	5361951.493	360740.144	226.386
COLLAR	5361951.489	360739.742	225.707

G-16

BRG 269 D 31 M 57 S - DIST 0.401
DIP - 59 D - 25 M - 5 S - SD 0.788

*

Handwritten mark

021

G6.01

206022

JOB QUEEN HILL DDH G-18
SURVEYOR AJ MARSHALL
DATE 7:10:78
F.B 353/9

CALCED.....*AJM*

CHECKED.....*JR*

START STN QH23 COORDS N:5361800.3\230 E:360968.470 R.L:203.881
B.S STN QH22 BACK BRG D:22 M:51 S:2
LEGS:2 HOW MEAS:3 TAPE:2

LEG 1 STN ROD
REITS:2
B.S D:0 M:6 S:6 F.S D:343 M:38 S:0
B.S D:180 M:6 S:36 F.S D:163 M:38 S:36
V.A D:99 M:45 S:0 V.A D:260 M:15 S:54
H.I:1.605 H.T:0
SD:7.373 TEMP DIFF:0 SPANS:1
BACK DIST NO

FORWARD HEIGHT DIST
0.357 7.267

LEG 2 STN COLLAR
REITS:2
B.S D:0 M:6 S:6 F.S D:340 M:52 S:48
B.S D:180 M:6 S:36 F.S D:160 M:53 S:0
V.A D:103 M:52 S:48 V.A D:256 M:7 S:54
H.I:1.605 H.T:0
SD:7.591 TEMP DIFF:0 SPANS:1
BACK DIST NO

FORWARD - HEIGHT DIST
0.215 7.369

CHANGE ANY NO

STN NO	NORTHINGS	EASTINGS	R.L
QH23	5361800.230	360968.470	203.881
ROD	5361807.452	360969.278	204.238
COLLAR	5361807.585	360968.936	203.666

G-18

BRG 291 D 17 M 11 S - DIST 0.367
DIP - 57 D - 21 M - 30 S - SD 0.680

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Plotted

22

206023

G6.01
JOB QUEEN HILL DDH G-23
SURVEYOR AJ MARSHALL
DATE 7:10:73
F.B 353/3

CALCED.....
CHECKED.....
AJM
JL

START STN QH 10 COORDS N:5361805.622 E:360733.113 R.L:263.886
B.S STN QH3 BACK BRG D:163 M:24 S:20
LEGS:2 HOW MEAS:3 TAPE:1

LEG 1 STN ROD
REITS:2
B.S D:0 M:6 S:6 F.S D:244 M:31 S:24
B.S D:180 M:6 S:0 F.S D:64 M:31 S:24
V.A D:90 M:35 S:0 V.A D:269 M:25 S:0
H.I:1.45\94 H.T:0
SD:3.136 TEMP DIFF:0 SPANS:1
BACK DIST NO

HEIGHT DIST
FORWARD 1.462 3.136

LEG 2 STN COLLAR
REITS:2
B.S D:0 M:6 S:6 F.S D:236 M:52 S:6
B.S D:180 M:6 S:0 F.S D:56 M:52 S:12
V.A D:103 M:0 S:6 V.A D:257 M:0 S:6
H.I:1.494 H.T:0
SD:3.068 TEMP DIFF:0 SPANS:1
BACK DIST NO

HEIGHT DIST
FORWARD 0.804 2.989

CHANGE ANY NO

STN NO	NORTHINGS	EASTINGS	R.L
QH 10	5361805.622	360733.113	263.886
ROD	5361807.517	360735.612	265.348
COLLAR	5361807.729	360735.233	264.690

G-23

BRG 299 D 19 M 50 S - DIST 0.434
DIP - 56 D - 35 M - 28 S - SD 0.789

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Plotted

023

G6.01

206024

JOB QUEEN HILL DDH G-24
SURVEYOR AJ MARSHALL
DATE 7:10:78
F.B 353/4

CALCED. *AJM*
CHECKED. *JL*

START STN QH11 COORDS N:5361813.007 E:360760.466 R.L:266.534
B.S STN QH8 BACK BRG D:206 M:27 S:44
LEGS:2 HOW MEAS:3 TAPE:2

LEG 1 STN ROD
REITS:2
B.S D:0 M:11 S:0 F.S D:213 M:43 S:54
B.S D:171 M:46 S:12 F.S D:180 M:11 S:36
DIFF IN ANG 1 IS 0.369225000000000E+06 SECS
DIFF IN ANG 2 IS 0.369225000000000E+06 SECS
CHANGE YES
REITS:2
B.S D:0 M:11 S:0 F.S D:171 M:46 S:12
B.S D:180 M:11 S:36 F.S D:351 M:46 S:24
V.A D:99 M:5 S:30 V.A D:260 M:54 S:54
H.I:1.618 H.T:0
SD:20.740 TEMP DIFF:-5 SPANS:1
BACK DIST NO

HEIGHT DIST
FORWARD - 1.658 20.476

LEG 2 STN COLLAR
REITS:2
B.S D:0 M:11 S:0 F.S D:170 M:34 S:48
B.S D:180 M:11 S:36 F.S D:350 M:34 S:54
V.A D:100 M:49 S:24 V.A D:259 M:11 S:0
H.I:1.618 H.T:0
SD:20.95 TEMP DIFF:-5 SPANS:1
BACK DIST NO

HEIGHT DIST
FORWARD - 2.314 20.574

CHANGE ANY NO

STN NO	NORTHINGS	EASTINGS	R.L
QH11	5361813.007	360760.466	266.534
ROD	5361832.476	360766.809	264.876
COLLAR	5361832.698	360766.431	264.220

G-24

BRG 300 D 22 M 11 S - DIST 0.438
DIP - 56 D - 19 M - 2 S - SD 0.759

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plotted

024

206025

G6.01
JOB QUEEN HILL DDH G-25
SURVEYOR AJ MARSHALL
DATE 7:10:78
F.B 353/1\2

CALCED.....
CHECKED.....

START STN QH5 COORDS N:5361698.856 E:360735.495 R.L:286.072
B.S STN QH4 BACK BRG D:188 M:17 S:20
LEGS:2 HOW MEAS:3 TAPE:2

LEG 1 STN ROD
REITS:2
B.S D:0 M:4 S:0 F.S D:168 M:55 S:54
B.S D:180 M:4 S:0 F.S D:348 M:56 S:6
V.A D:107 M:13 S:6 V.A D:252 M:47 S:12
H.I:1.558 H.T:0
SD:19.740 TEMP DIFF:-4 SPANS:1
BACK DIST NO

HEIGHT DIST
FORWARD - 4.284 18.853

LEG 2 STN COLLAR
REITS:2
B.S D:0 M:4 S:0 F.S D:167 M:51 S:0
B.S D:180 M:4 S:0 F.S D:347 M:51 S:6
V.A D:108 M:55 S:36 V.A D:25 M:0 S:0
DIF IS 0.302136000000000E+06 SECS CHANGE YES
V.A D:108 M:55 S:36 V.A D:251 M:5 S:6
H.I:1.558 H.T:0
SD:20.119 TEMP DIFF:-4 SPANS:1
BACK DIST NO

HEIGHT DIST
FORWARD - 4.965 19.029

CHANGE ANY NO

STN NO	NORTHINGS	EASTINGS	R.L
QH5	5361698.856	360735.495	286.072
ROD	5361717.686	360734.559	281.788
COLLAR	5361717.841	360734.192	281.107

G-25

BRG 292 D 50 M 4 S - DIST 0.399
DIP - 59 D - 38 M - 53 S - SD 0.789

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025

206026

G6.01

JOB QUEEN HILL DDH G-26
SURVEYOR AJ MARSHALL
DATE 7:10:78
F.B 353/3

CALCED.....
CHECKED.....

START STN QH9 COORDS N:5361734.848 E:360792.354 R.L:276.830
B.S STN QH7 BACK BRG D:250 M:53 S:20
LEGS:2 HOW MEAS:3 TAPE:1

LEG 1 STN ROD
REITS:2
B.S D:0 M:2 S:48 F.S D:238 M:44 S:24
B.S D:180 M:3 S:0 F.S D:108 M:44 S:18
V.A D:91 M:22 S:48 V.A D:268 M:37 S:54
H.I:1.625 H.T:0
SD:4.628 TEMP DIFF:0 SPANS:1
BACK DIST NO

FORWARD HEIGHT DIST
1.514 4.627

LEG 2 STN COLLAR
REITS:2
B.S D:0 M:2 S:48 F.S D:291 M:18 S:42
B.S D:180 M:3 S:0 F.S D:111 M:18 S:42
V.A D:100 M:48 S:0 V.A D:259 M:12 S:18
H.I:1.6125 H.T:0
SD:4.640 TEMP DIFF:0 SPANS:1
BACK DIST NO

FORWARD HEIGHT DIST
0.756 4.553

CHANGE ANY NO

STN NO	NORTHINGS	EASTINGS	R.L
QH9	5361734.848	360792.354	276.830
ROD	5361730.221	360792.388	278.344
COLLAR	5361730.293	360792.183	277.586

G-26

BRG 289 D 19 M 14 S - DIST 0.217
DIP - 74 D 0 M - 21 S - SD 0.789
*

026

206027

G6.01

JOB QUEEN HILL DDH G-28
SURVEYOR AJ MARSHALL
DATE 7:10:78
F.B 353/5

CALCED.....
CHECKED.....

START STN QH15 COORDS N:5361753.553 E:360855.378 R.L:245.448
B.S STN QH14 BACK BRG D:329 M:16 S:47
LEGS:2 HOW MEAS:3 TAPE:2

LEG 1 STN ROD
REITS:2
B.S D:0 M:8 S:24 F.S D:200 M:57 S:0
B.S D:180 M:8 S:18 F.S D:20 M:57 S:0
V.A D:94 M:7 S:0 V.A D:265 M:53 S:42
H.I:1.503 H.T:0
SD:3.584 TEMP DIFF:0 SPANS:1
BACK DIST NO

HEIGHT DIST
FORWARD 1.246 3.575

LEG 2 STN COLLAR
REITS:2
B.S D:0 M:8 S:4\24 F.S D:206 M:0 S:6
B.S D:180 M:8 S:18 F.S D:26 M:0 S:36
DIFF IN ANG 1 IS 18 SECS
DIFF IN ANG 2 IS 18 SECS
CHANGE NO
V.A D:114 M:20 S:30 V.A D:245 M:40 S:30
H.I:1.503 H.T:0
SD:3.703 TEMP DIFF:0 SPANS:1
BACK DIST NO

HEIGHT DIST
FORWARD - 0.023 3.374

CHANGE ANY NO

STN NO NORTHINGS EASTINGS R.L
QH15 5361753.553 360855.378 245.448
ROD 5361750.032 360855.993 246.694
COLLAR 5361750.191 360855.663 245.425

G-28

BRG 295 D 49 M 0 S - DIST 0.366
DIP - 73 D - 53 M - 56 S - SD 1.321
*G6

200 AT 0.00

027

G6.01

206028

JOB QUEEN HILL DDH G-33
SURVEYOR AJ MARSHALL
DATE 7:10:78
F.B 353/8

CALCED.....*AM*

CHECKED.....*JL*

START STN QH22 COORDS N:5361863.720 E:36088\995.224 R.L:198.207
B.S STN QH23 BACK BRG D:202 M:51 S:2
LEGS:2 HOW MEAS:3 TAPE:1

LEG 1 STN ROD
REITS:2
B.S D:0 M:11 S:18 F.S D:9 M:29 S:12
B.S D:180 M:11 S:48 F.S D:189 M:29 S:48
V.A D:85 M:40 S:6 V.A D:274 M:20 S:0
H.I:1.55 H.T:0
SD:3.843 TEMP DIFF:0 SPANS:1
BACK DIST NO

FORWARD HEIGHT DIST
1.340 3.832

LEG 2 STN COLLAR
REITS:2
B.S D:0 M:11 S:18 F.S D:14 M:25 S:6
B.S D:180 M:11 S:48 F.S D:194 M:24 S:42
DIFF IN ANG 1 IS 27 SECS
DIFF IN ANG 2 IS 27 SECS
CHANGE NO
V.A D:76 M:12\3 S:12 V.A D:263 M:47 S:0
DIF IS 0.7198800000000000E+05 SECS CHANGE YES
V.A D:96 M:13 S:12 V.A D:263 M:47 S:0
H.I:1.55 H.T:0
SD:3.907 TEMP DIFF:0 SPANS:1
BACK DIST NO

FORWARD HEIGHT DIST
1.127 3.884

CHANGE ANY NO

STN NO	NORTHINGS	EASTINGS	R.L
QH22	5361863.720	360995.224	198.207
ROD	5361860.476	360993.185	200.047
COLLAR	5361860.621	360992.883	199.334

G-33

BRG 295 D 42 M 12 S - DIST 0.335
DIP - 64 D - 49 M - 10 S - SD 0.788

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023
G6.01

206029

JOB QUEEN HILL DDH G-34-B
SURVEYOR AJ MARSHALL
DATE 7:10:78
F.B 353/8

CALCED.

CHECKED.

START STN QH22 COORDS N:5361863.720 E:360995.224 R.L:198.207
B.S STN QH23 BACK BRG D:202 M:51 S:2
LEGS:2 HOW MEAS:3 TAPE:1

LEG 1 STN ROD
REITS:2
B.S D:0 M:11 S:18 F.S D:18 M:33 S:0
B.S D:180 M:11 S:48 F.S D:198 M:33 S:36
V.A D:94 M:25 S:24 V.A D:265 M:35 S:0
H.I:1.55 H.T:0
SD:3.973 TEMP DIFF:0 SPANS:1
BACK DIST NO

FORWARD HEIGHT DIST
1.244 3.961

LEG 2 STN COLLAR
REITS:2
B.S D:110 M:11 S:18 F.S D:24 M:12 S:48
B.S D:180 M:11 S:48 F.S D:204 M:13 S:0
V.A D:103 M:21 S:48 V.A D:256 M:39 S:0
H.I:1.550 H.T:0
SD:4.213 TEMP DIFF:0 SPANS:1
BACK DIST NO

FORWARD HEIGHT DIST
0.577 4.099

CHANGE ANY NO

STN NO	NORTHINGS	EASTINGS	R.L
QH22	5361863.720	360995.224	198.207
ROD	5361860.740	360992.614	199.451
COLLAR	5361860.918	360992.232	198.784

G-34-E

BRG 294 D 57 M 29 S - DIST 0.421
DIP - 57 D - 44 M - 13 S - SD 0.789

*

029

206030

G6.01
JOB QUEEN HILL DDH G-35
SURVEYOR AJ MARSHALL
DATE 7:10:78
F.B 353/8

CALCED.....*AM*

CHECKED.....*AM*

START STN QH22 COORDS N:5361863.720 E:360995.224 R.L:198.207
B.S STN QH23 BACK BRG D:202 M:51 S:2
LEGS:2 HOW MEAS:3 TAPE:2

LEG 1 STN ROD
REITS:2
B.S D:0 M:11 S:18 F.S D:21 M:56 S:54
B.S D:130 M:11 S:48 F.S D:201 M:57 S:0
V.A D:93 M:12 S:42 V.A D:266 M:48 S:0
H.I:1.55 H.T:0
SD:4.007 TEMP DIFF:0 SPANS:1
BACK DIST NO

FORWARD HEIGHT DIST
1.326 4.001

LEG 2 STN COLLAR
REITS:2
B.S D:0 M:11 S:18 F.S D:28 M:19 S:6
B.S D:180 M:11 S:48 F.S D:203 M:19 S:42
V.A D:101 M:12 S:54 V.A D:258 M:47 S:54
H.I:1.55 H.T:0
SD:4.290 TEMP DIFF:0 SPANS:1
BACK DIST NO

FORWARD HEIGHT DIST
0.716 4.208

CHANGE ANY NO

STN NO	NORTHINGS	EASTINGS	R.L
QH22	5361863.720	360995.224	198.207
ROD	5361860.872	360992.415	199.533
COLLAR	5361861.071	360991.955	198.923

G-35

BRG 293 D 23 M 3 S - DIST 0.501
DIP - 50 D - 34 M - 60 S - SD 0.789

*

030

206031

G6.01

JOB QUEEN HILL DDH G-36
SURVEYOR AJ MARSHALL
DATE 7:10:78
F.B 353/8

CALCED.....
CHECKED.....

START STN QH22 COORDS N:5361863.720 E:360995.224 R.L:198.207
B.S STN QH23 BACK BRG D:202 M:51 S:2
LEGS:2 HOW MEAS:3 TAPE:1

LEG 1 STN ROD
REITS:2
B.S D:0 M:11 S:18 F.S D:22 M:12 S:6
B.S D:180 M:11 S:48 F.S D:202 M:12 S:36
V.A D:94 M:21 S:0 V.A D:265 M:39 S:36
H.I:1.55 H.T:0
SD:4.005 TEMP DIFF:0 SPANS:1
BACK DIST NO

FORWARD HEIGHT DIST
1.247 3.993

LEG 2 STN COLLAR
REITS:2
B.S D:0 M:11 S:18 F.S D:30 M:0\10 S:24
B.S D:180 M:11 S:48 F.S D:210 M:11 S:0
V.A D:100 M:22 S:0 V.A D:259 M:38 S:12
H.I:1.55 H.T:0
SD:4.330 TEMP DIFF:0 SPANS:1
BACK DIST NO

FORWARD HEIGHT DIST
0.771 4.259

CHANGE ANY NO

STN NO	NORTHINGS	EASTINGS	R.L
QH22	5361863.720	360995.224	198.207
ROD	5361860.889	360992.407	199.454
COLLAR	5361861.147	360991.830	198.978

G-36

BRG 294 D 2 M 27 S - DIST 0.632
DIP - 36 D - 57 M - 42 S - SD 0.791
*

031

206032

G6.01

JOB QUEEN HILLDDH G-38
SURVEYOR AJ MARSHALL
DATE 8:10:78
F.B 353/7

CALCED...
CHECKED...

START STN QH20 COORDS N:5361924.463 E:360709.785 R.L:234.174
B.S STN QH17 BACK BRG D:62 M:10 S:11
LEGS:2 HOW MEAS:3 TAPE:1

LEG 1 STN ROD
REITS:2
B.S D:0 M:17 S:0 F.S D:97 M:17 S:42
B.S D:180 M:16 S:54 F.S D:277 M:17 S:54
V.A D:93 M:47 S:0 V.A D:266 M:14 S:0
H.I:1.595 H.T:0
SD:41\133 TEMP DIFF:0 SPANS:1
BACK DIST NO

FORWARD HEIGHT DIST
1.323 4.124

LEG 2 STN COLLAR
REITS:2
B.S D:0 M:17 S:0 F.S D:103 M:40 S:54
B.S D:180 M:16 S:54 F.S D:283 M:41 S:18
V.A D:102 M:36 S:24 V.A D:257 M:24 S:0
H.I:1.595 H.T:0
SD:4.135 TEMP DIFF:0 SPANS:1
BACK DIST NO

FORWARD HEIGHT DIST
0.682 4.084

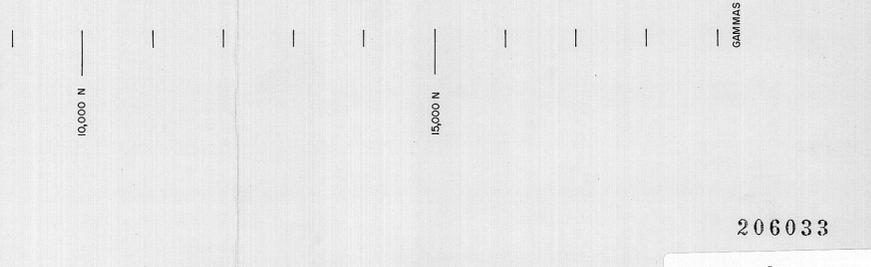
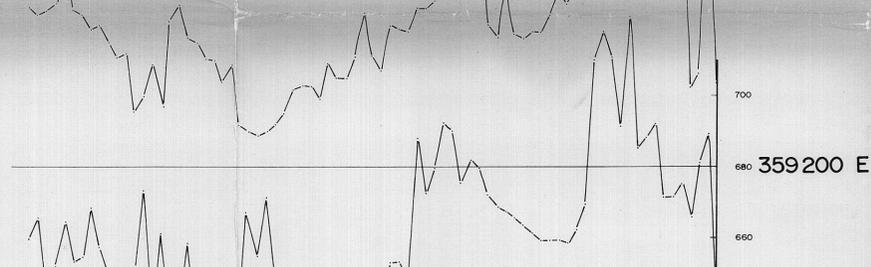
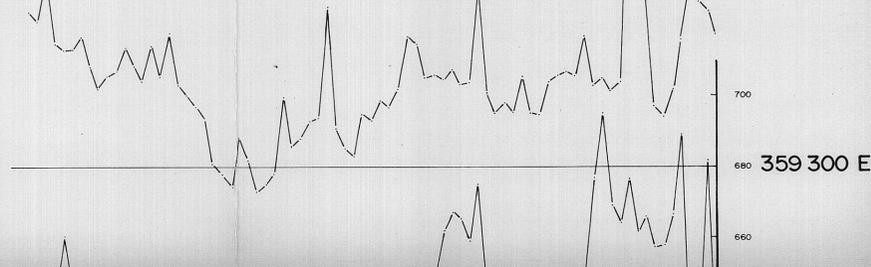
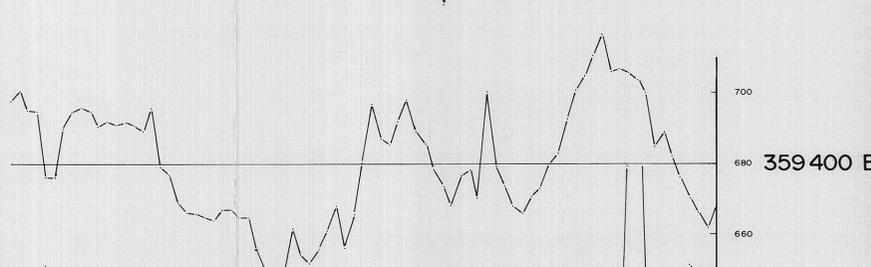
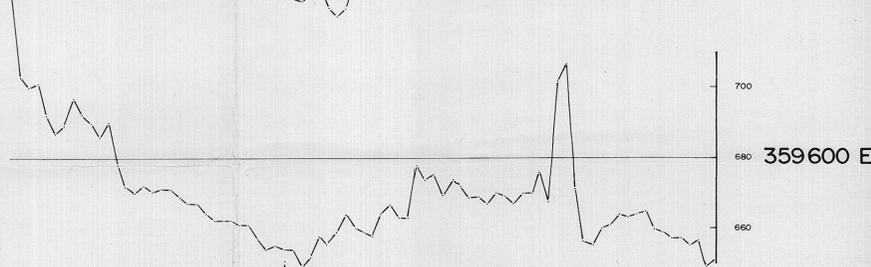
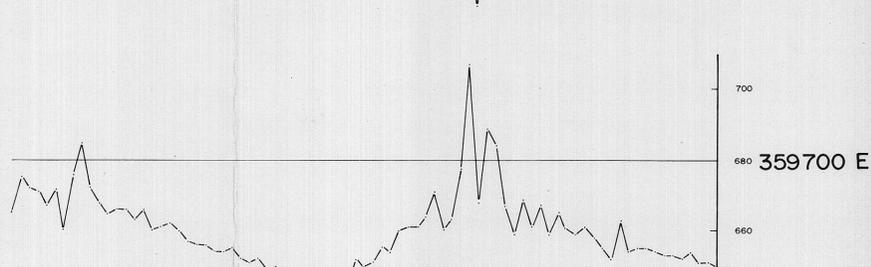
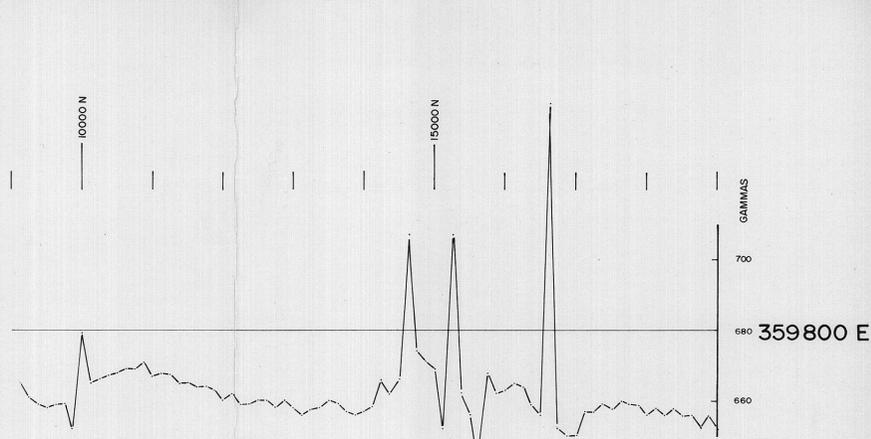
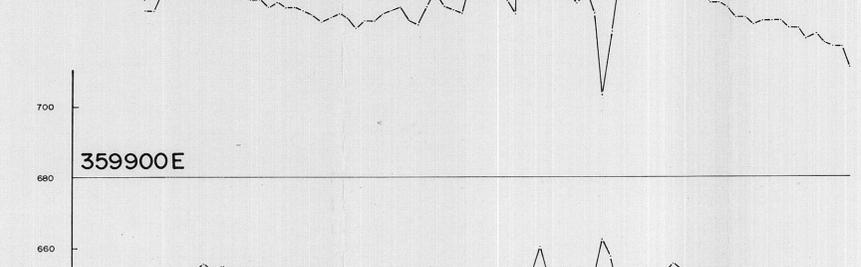
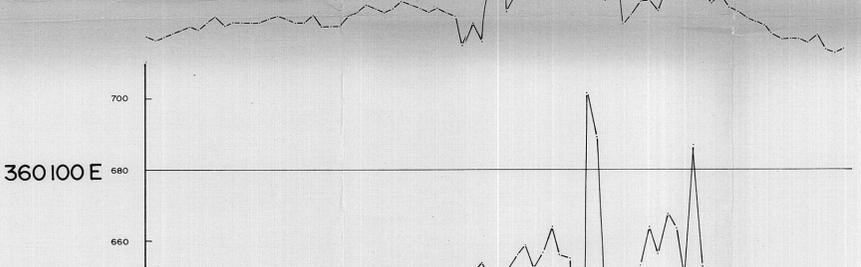
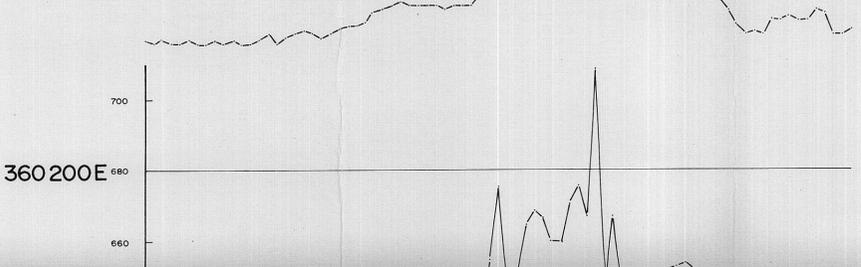
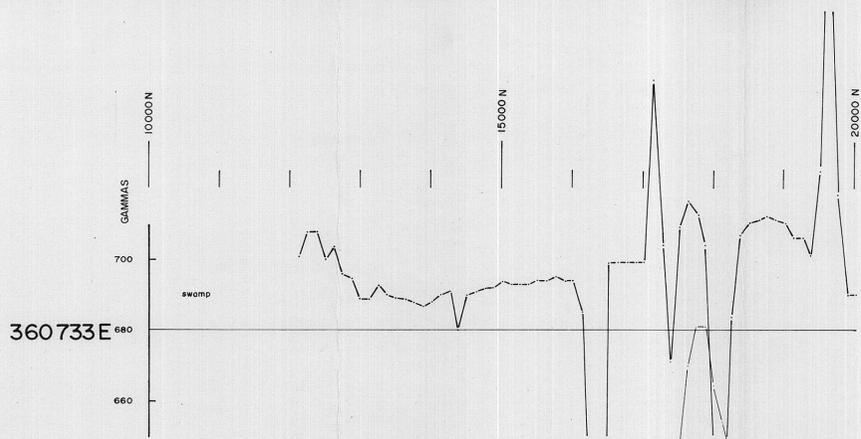
CHANGE ANY NO

STN NO	NORTHINGS	EASTINGS	R.L
QH20	5361924.463	360709.785	234.174
ROD	5361920.608	360711.251	235.497
COLLAR	5361920.508	360710.803	234.856

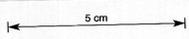
G-38

BRG 257 D 21 M 11 S - DIST 0.459
DIP - 54 D - 23 M - 31 S - SD 0.788
*

plotted



206033

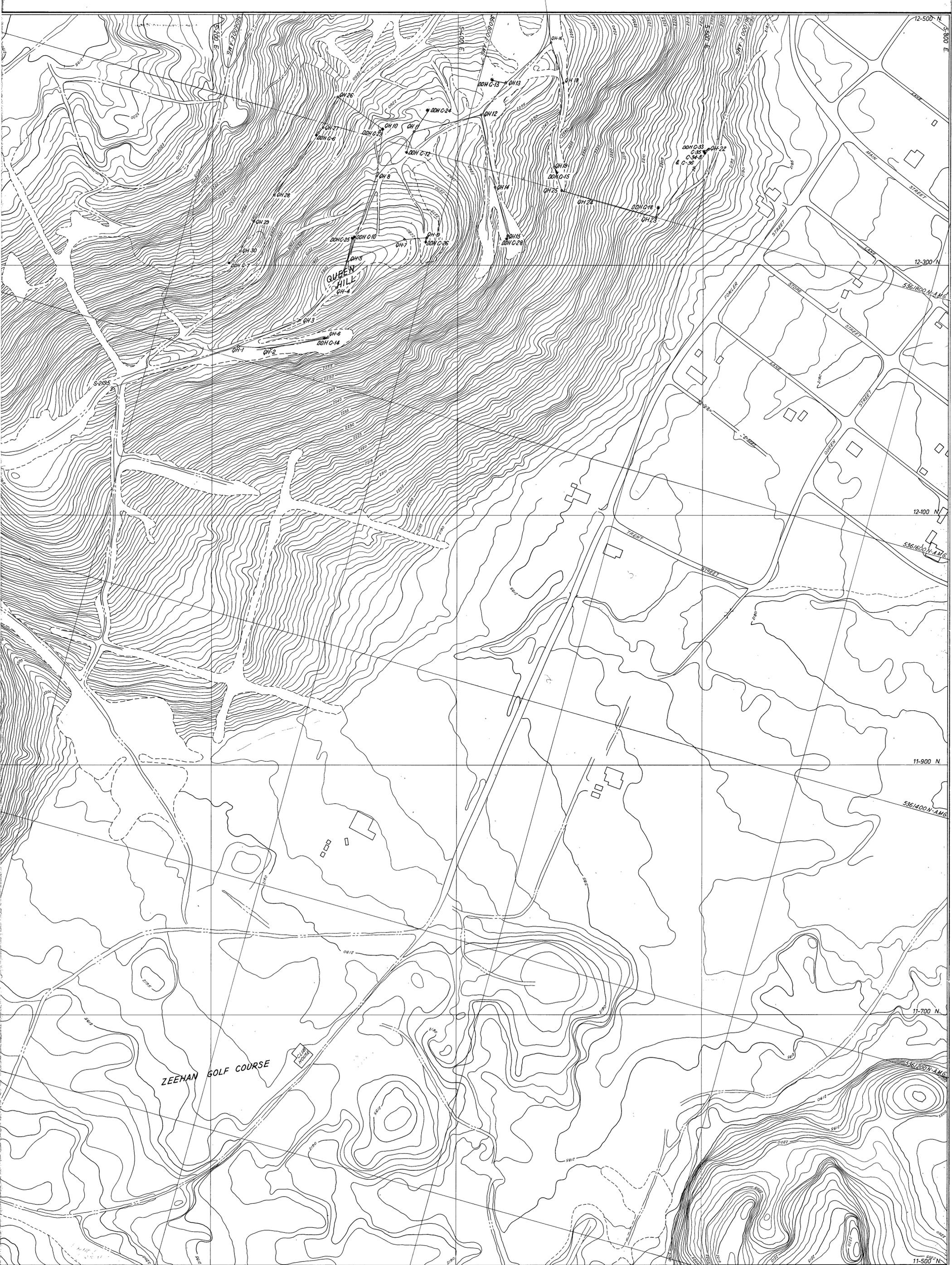


Abminco Exploration

78-1320

Geology:	NORTH WEST TASMANIA	3269	Location code:
Drawn:	SSW		Date: October 1978
Traced:	RKY		Scale: 1:5000
Checked:			Plate #
Revised by:			QH 108

PROFILES OF TOTAL MAGNETIC INTENSITY



AMENDMENT
FR REF

ZEEHAN-1:1000 TOPOGRAPHY

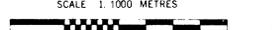
PHOTO N^o 7613 48 to 52, RUN 4 (11-1-73)

MINE CO-ORDINATE ORIGIN
AMG N-5348428/1260
E-358894/0766
MINE DATUM ORIGIN
M S L (HOBART) + 2000 m



C5	C6	C7	C8
D5	D6	D7	D8
E5	E6	E7	E8
F5	F6	F7	F8

RENISON LIMITED 78-1220
206034
GOLF COURSE AREA
3271
SCALE 1:1000 METRES



DRAWN H.E.C.
TRACED J.M.B.
DATE 21-3-77
SCALE 1:1000
DRAWING No.
D5

3270

OONAH HILL AREA

MONTANA N°1 MINE

MONTANA N°2 PLANT DAM

SILVER LEAD CREEK

TRIAL HARBOUR ROAD

CORLIWA ROAD

QUEEN HILLS

DATE	SVY	AMENDMENT	FB REF

ZEEHAN-1:1000 TOPOGRAPHY

PHOTO Nos T613 48 to 52 RUN 4 (11-1-73)

MINE CO-ORDINATE ORIGIN
 AMG N 5348428 1260
 E 358894 0766

MINE DATUM ORIGIN
 M.S.L (HOBART) + 2000m



C5	C6	C7	C8
D5	D6	D7	D8
E5	E6	E7	E8
F5	F6	F7	F8

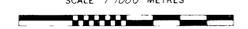
RENISON LIMITED 78-12,20

206035

MONTANA N°2 DAM AREA

3270

SCALE 1/1000 METRES



12-500 N

DRAWN HEC

TRACED JMB

DATE 10-6-77

SCALE 1/1000

DRAWING No.

C5

60350N

60400N

60450N

60500N

60550N

DDH G44

'Comstock' Tramway
summit cutting

clay & w/d
mudstone

light to dk grey
mudstone &
siltstone

bordered sh. green
serpentine

conglomerate
serpentine

tbl. carbonates
tbl. sh.

grey mudstone
&
siltstone

Py rare

As
S
Pb
Zn
Cu
Ag
Au
Bi
Mo
W
Sn
Te
U
Th
Ra
Mn
Fe
Ni
Co
Cr
V
Ti
Zr
Hf
Nb
Ta
W
Re
Os
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Pt
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U
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Ra

TS 21753

volcanic breccia

Ca vein

TS 21754

dark grey to black
carbonate

volcanic breccia

Py rare

TS 21755

dark grey to black
carbonate

volcanic breccia

Py rare

TS 21756

dark grey to black
carbonate

volcanic breccia

Py rare

TS 21757

dark grey to black
carbonate

volcanic breccia

Py rare

TS 21758

dark grey to black
carbonate

volcanic breccia

Py rare

TS 21759

dark grey to black
carbonate

volcanic breccia

Py rare

TS 21760

dark grey to black
carbonate

volcanic breccia

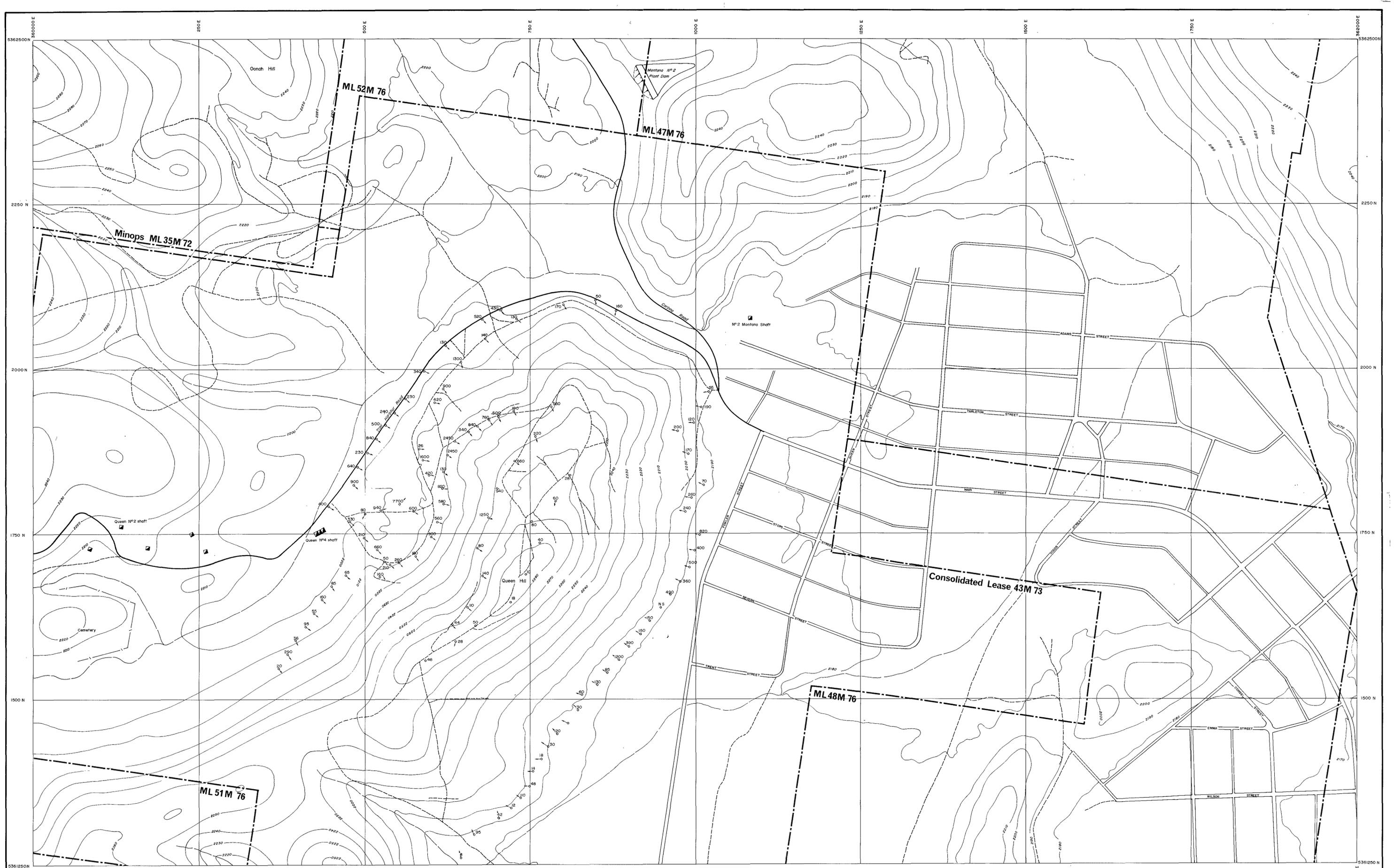
Py rare

TS 21761

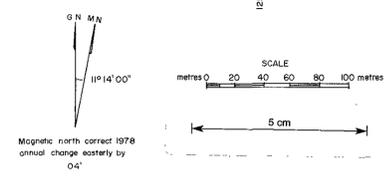
dark grey to black
carbonate

volcanic breccia

Py rare



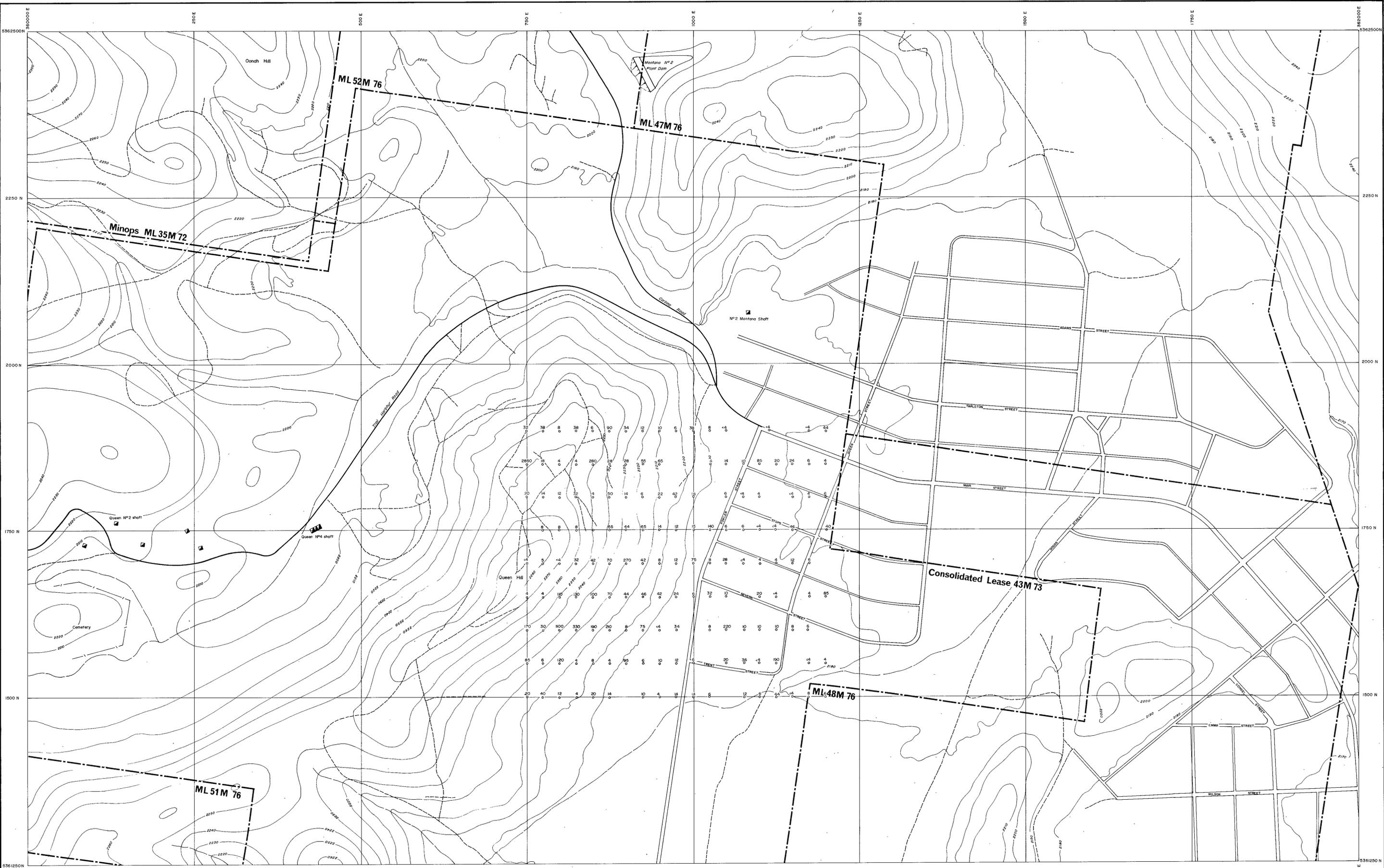
206037



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2W 2N	1W 2N	0 2N
2W 1N	1W 1N	0 1N

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Aberfoyle Exploration Pty Ltd		
Geology	NORTH WEST TASMANIA 78-1320	Location code
Drawn	QUEEN HILL AREA	Date November 1978
Traced RKY	SOIL GEOCHEMISTRY	Scale 1:2,500
Checked	TIN PPM 3273	Plate N° QH 123
Revised	Date	



206038

G N M A

19° 14' 00"

Magnetic north correct 1978
annual change westerly by
04'

SCALE

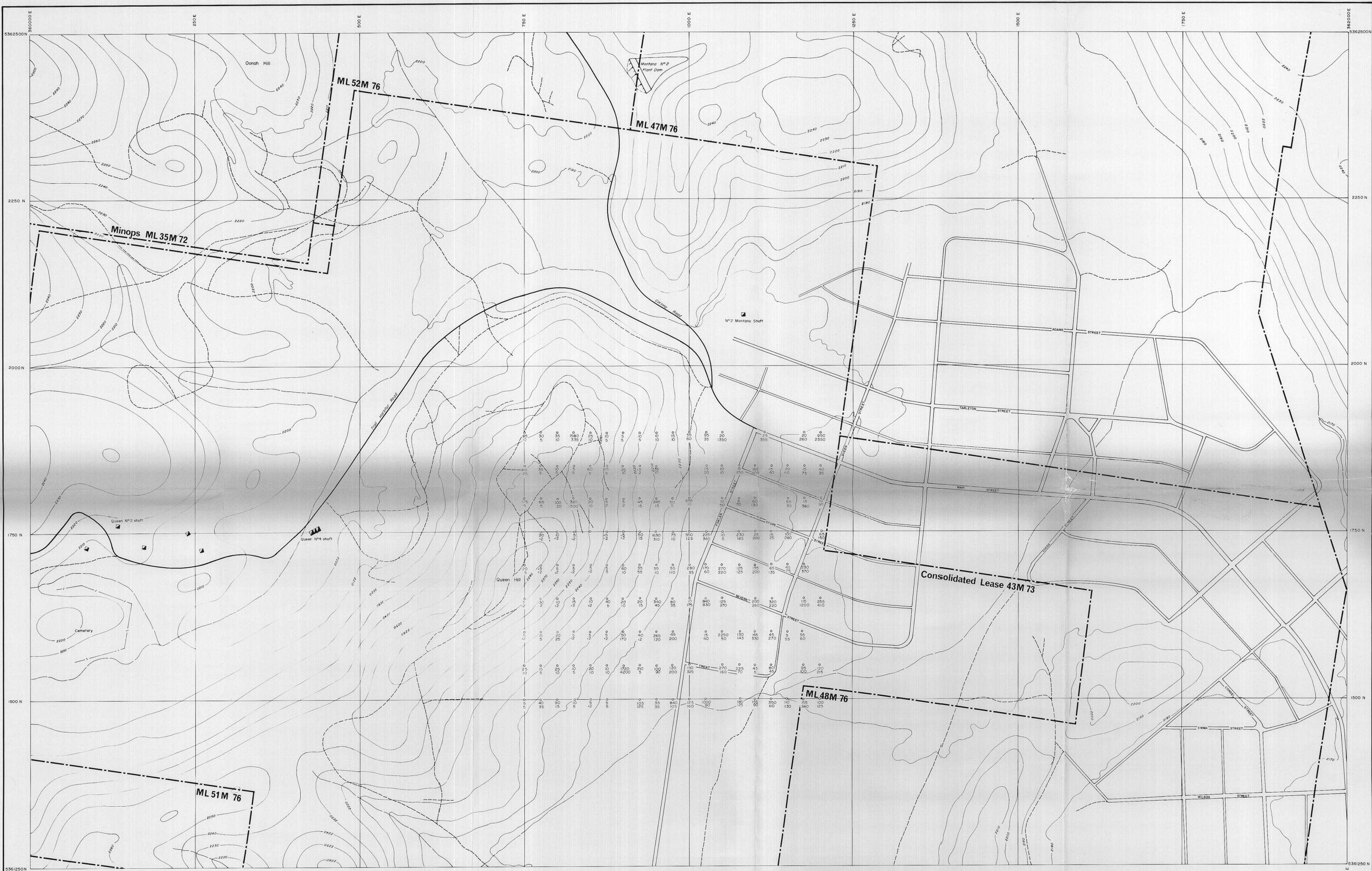
metres 0 20 40 60 80 100 metres

5 cm

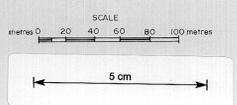
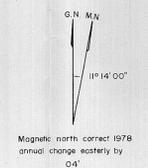
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2W 1N	1W 1N	0 1N

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A Aberfoyle Exploration Pty Ltd		Location code 78-1520
Geology	NORTH WEST TASMANIA	
Drawn	QUEEN HILL AREA	
Traced RKY	BEDROCK GEOCHEMISTRY	
Checked	TIN PPM 3274	
Revised	Date	Plate N° QH 115



Lead 23
Zinc 107



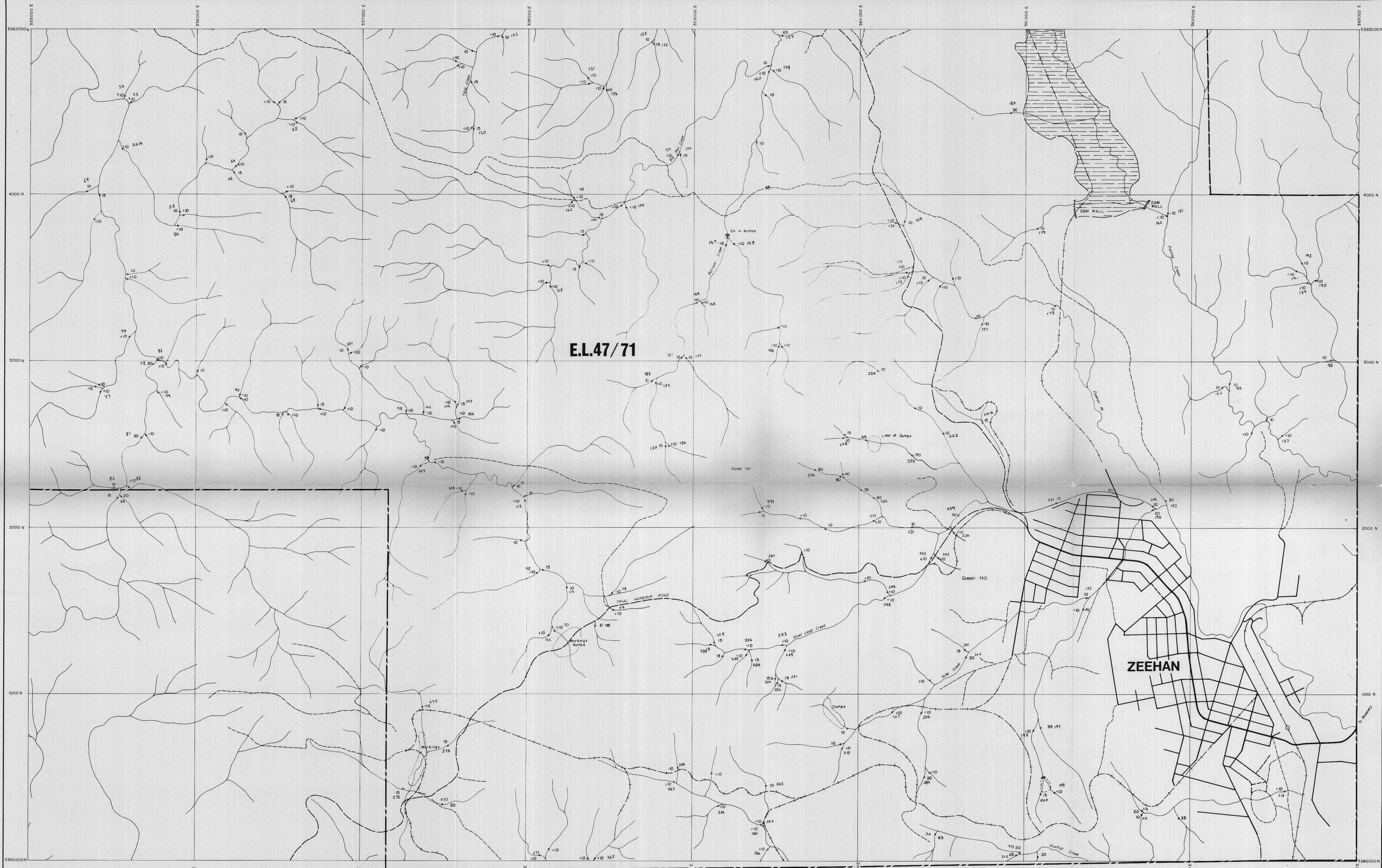
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206039

Aberfoyle Exploration Pty Ltd		
Geology	NORTH WEST TASMANIA 78-1320	Location code
Drawn		Date November 1978
Traced RKY		Scale 1:2,500
Checked		Plate N°
Revised		QH 116

**QUEEN HILL AREA
BEDROCK GEOCHEMISTRY
LEAD/ZINC PPM 3275**



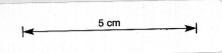
E.L.47/71

ZEEHAN

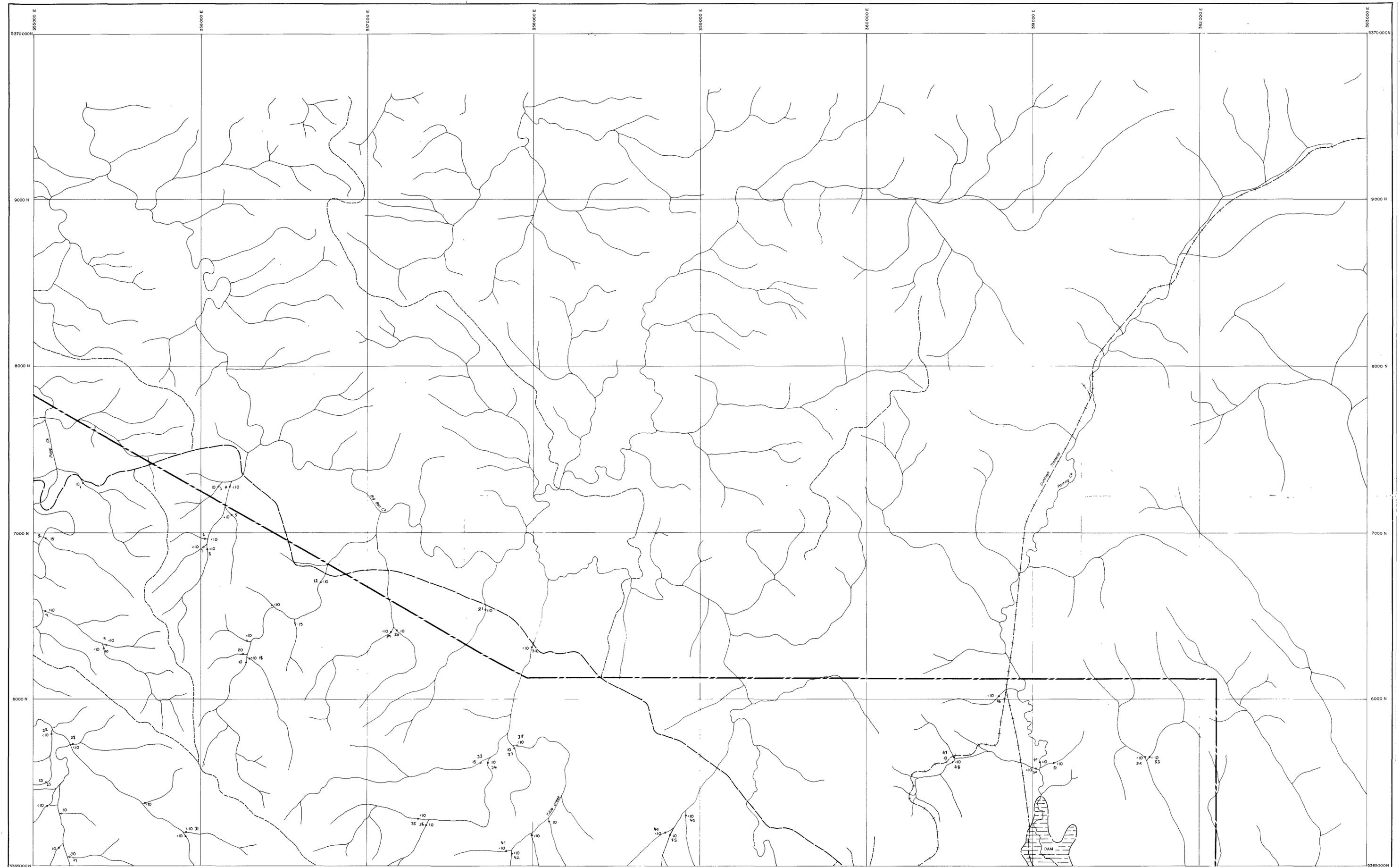
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347/365	355/365	363/365
347/360	355/360	363/360
347/355	355/355	363/355

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Abminco Exploration		78-1320	
NORTH WEST TASMANIA		Location code:	
QUEEN HILL-E.L.47/71		Date: DEC 1978	
STREAM SEDIMENT GEOCHEMISTRY		Scale: 1 : 10,000	
TUNGSTEN PPM		Plate No:	
3276		QH 119-355/360	



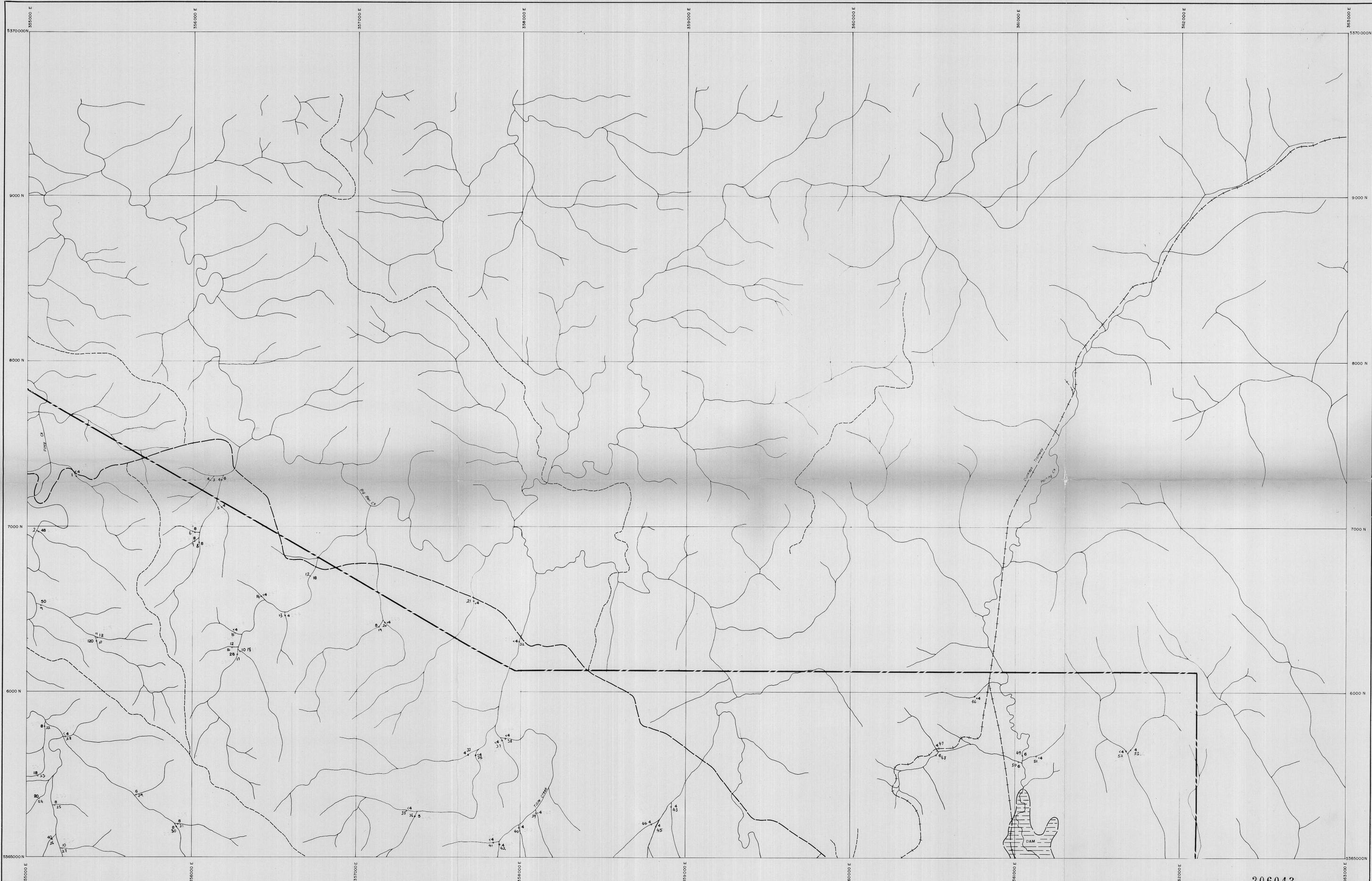
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347/370	355/370	363/370
347/365	355/365	363/365
347/360	355/360	363/355

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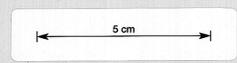
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		QUEEN HILL - E.L.47/71 STREAM SEDIMENT GEOCHEMISTRY TUNGSTEN PPM 3277	
Geology:		Location code	
Drawn	RKY	Date	DEC 1978
Traced	J.C.R.	Scale	1:10,000
Checked:		Plate No	QH 119-355/365
Revised by:	Date:		



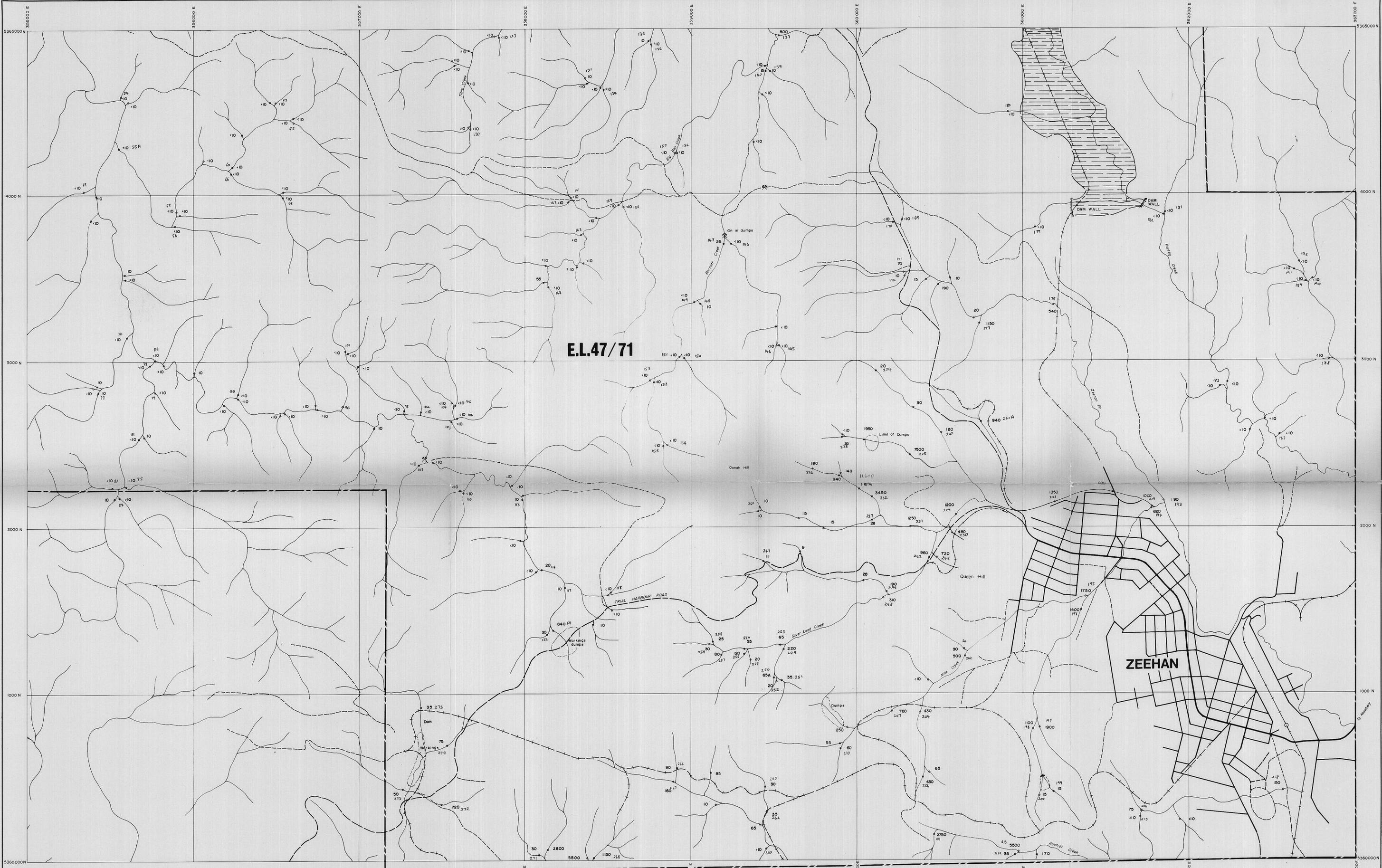
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347/370	355/370	363/370
347/365	355/365	363/365
347/360	355/360	363/360

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Abminco Exploration		
Geology:	NORTH WEST TASMANIA 78-1320	Location code:
Drawn: R.K.Y.	QUEEN HILL - E.L. 47/71	Date: DEC. 1978
Traced: J.C.R.	STREAM SEDIMENT GEOCHEMISTRY	Scale: 1:10,000
Checked:	TIN PPM 3279	Plate No
Revised by: Date:		QH 118-355/365



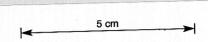
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ZEEHAN

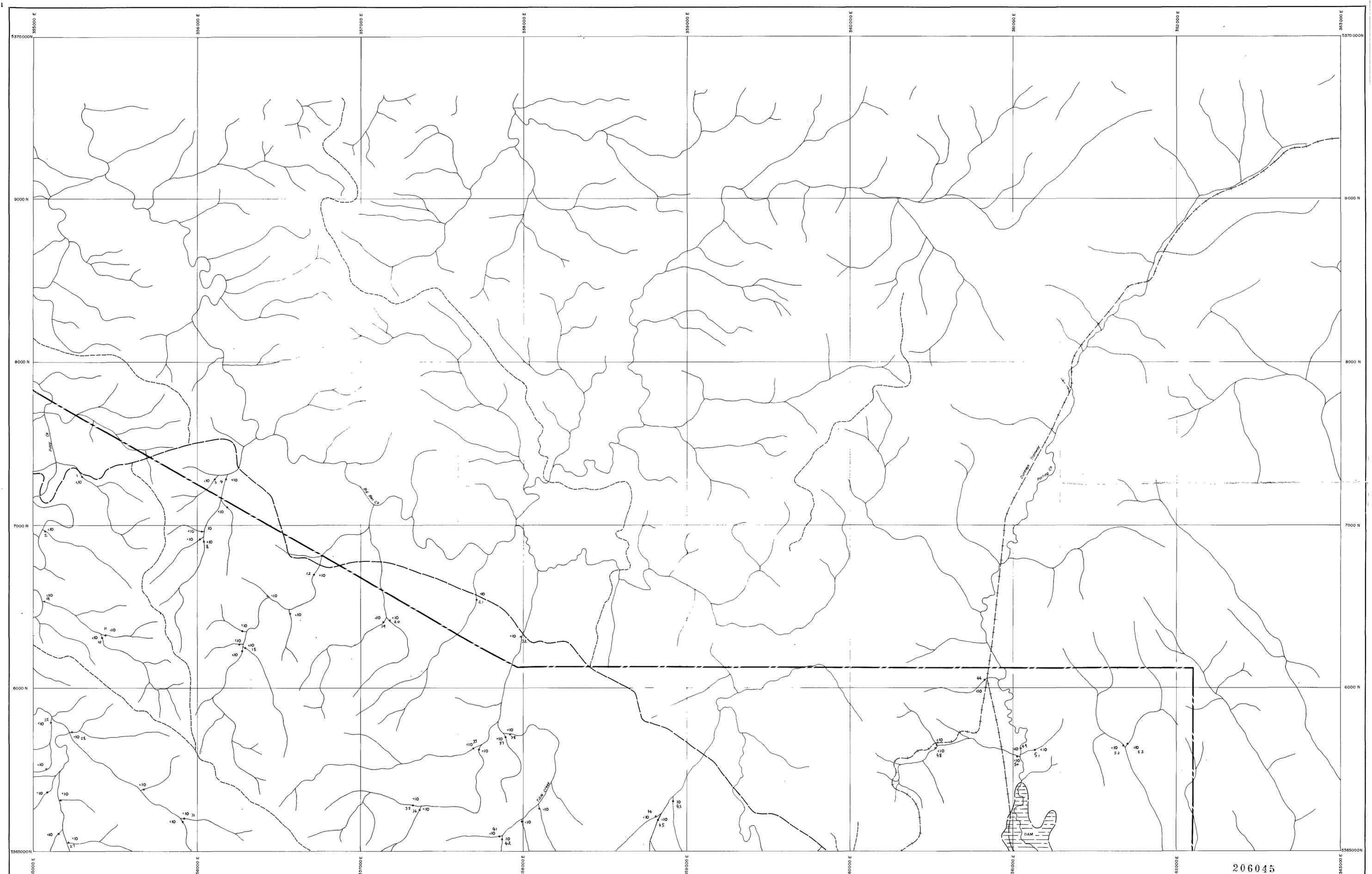
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347/365	355/365	363/365
347/360	355/360	363/360
347/355	355/355	363/355

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Abminco Exploration	
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Drawn: R.K.Y.	Date: DEC. 1978
Traced: J.C.R.	Scale: 1:10,000
Checked:	Plate No: QH 120-355/360
Revised by: Date:	3280
STREAM SEDIMENT GEOCHEMISTRY ARSENIC PPM	



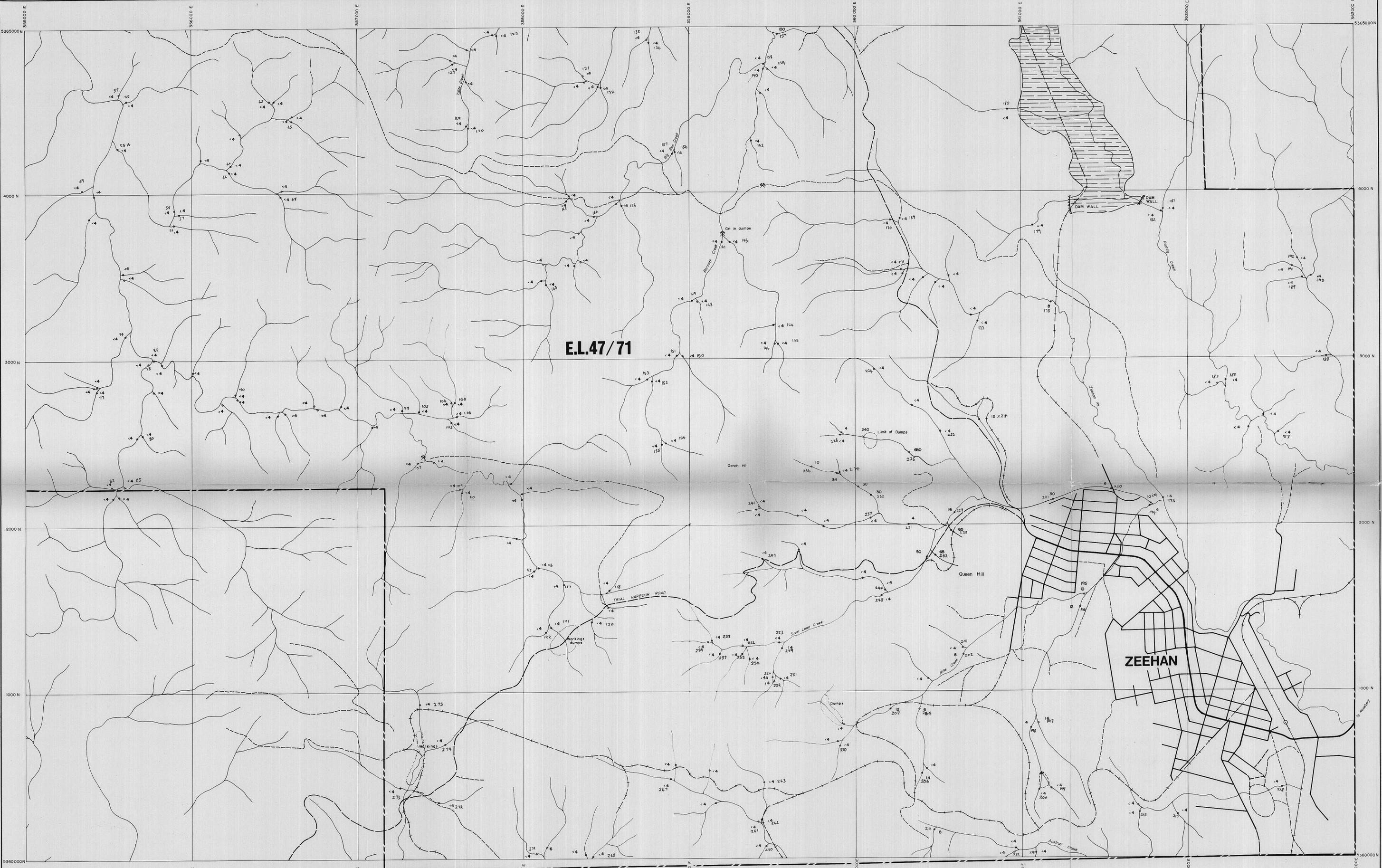
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347/370	355/370	363/370
347/365	355/365	363/365
347/360	355/360	363/360

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Abminco Exploration		Location code
NORTH WEST TASMANIA 78-1320		Date DEC. 1978
QUEEN HILL-EL.47/71		Scale. 1:10,000
STREAM SEDIMENT GEOCHEMISTRY		Plate No
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Drawn: R.K.Y.	Checked: J.C.R.	Revised by: Date.
3281		



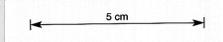
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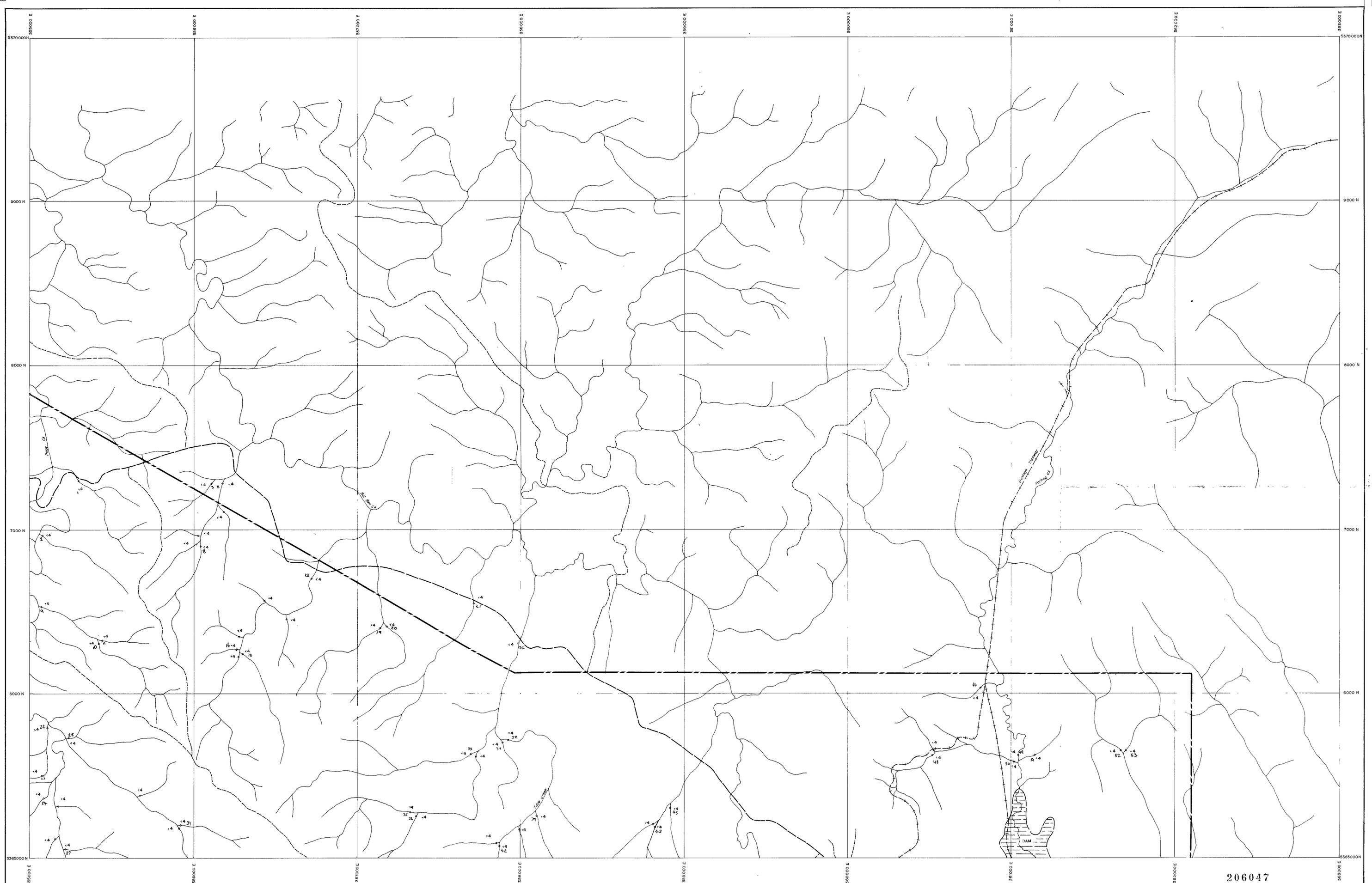
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347/365	355/365	363/365
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347/355	355/355	363/355

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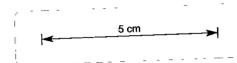
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Checked:				
Revised by:	Date:			



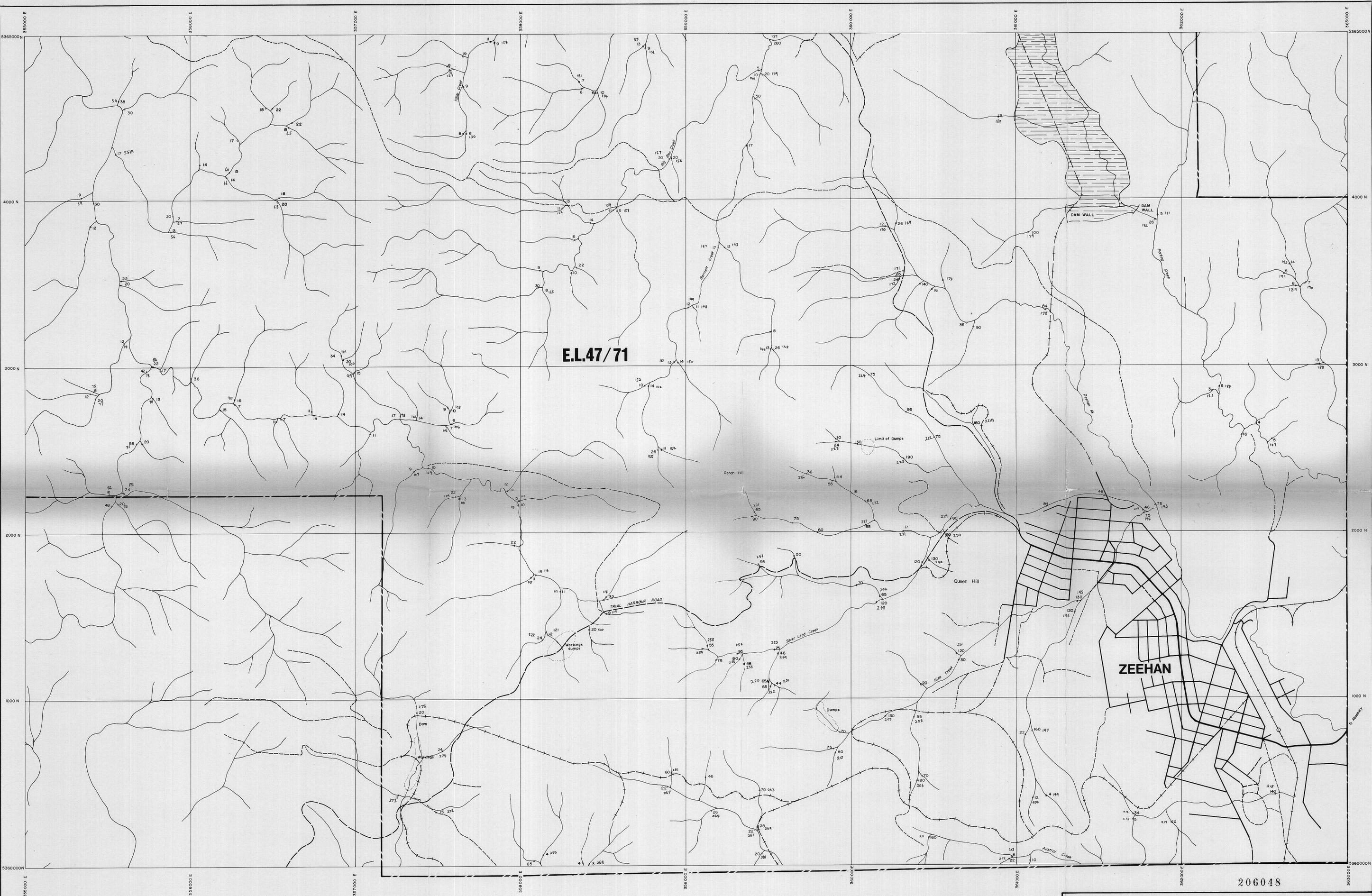
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347/370	350/370	363/370
347/365	355/365	363/365
347/360	355/360	363/360

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Abminco Exploration		78-1320
Geology	NORTH WEST TASMANIA	
Drawn: RKY	QUEEN HILL- E.L.47/ 713283	
Traced: JCR	STREAM SEDIMENT GEOCHEMISTRY	
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		QH 121-355/365

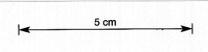


E.L.47/71

ZEEHAN

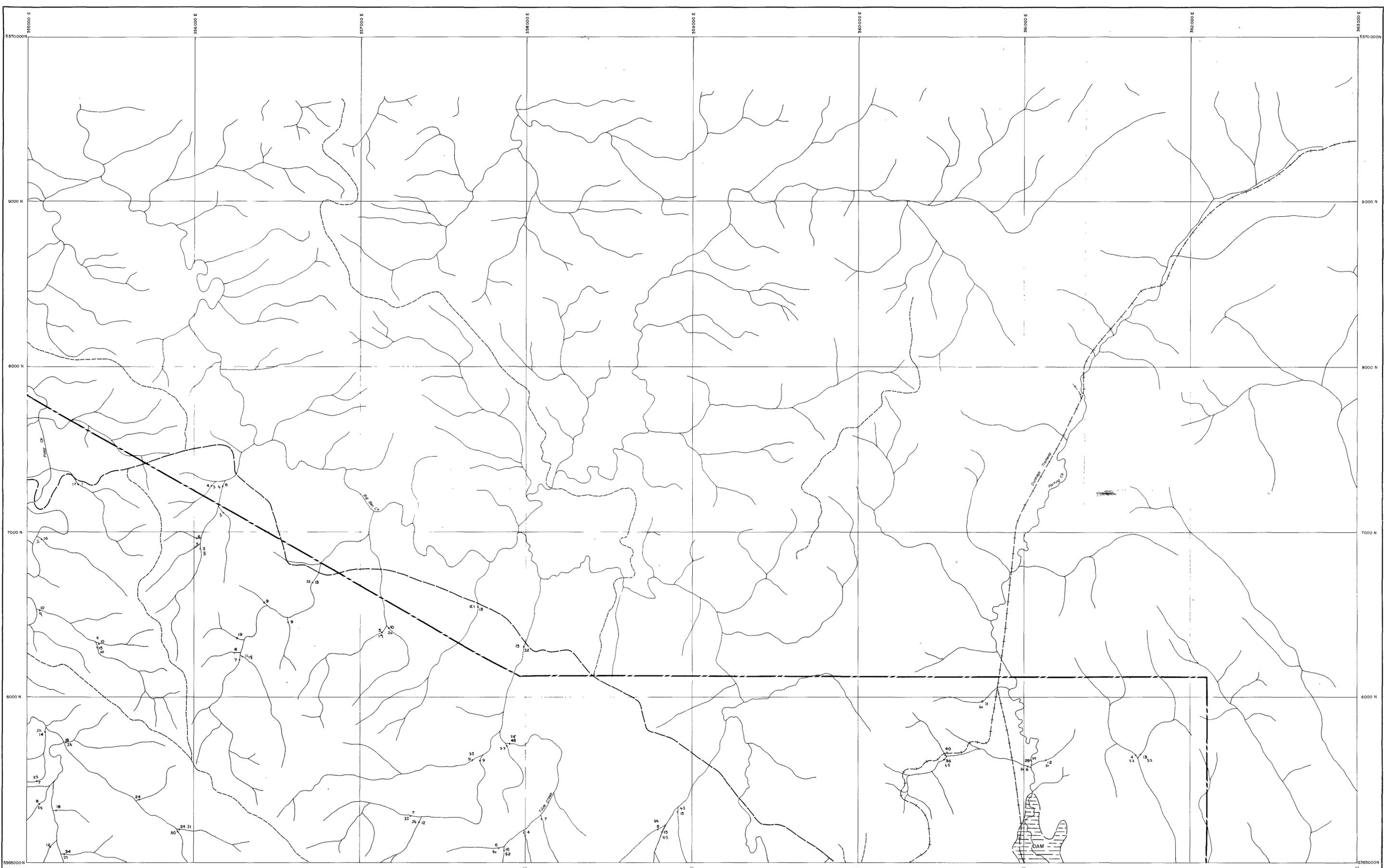
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347/355	355/355	363/355

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206048

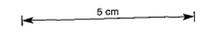
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QUEEN HILL-E.L.47/71		Date: DEC. 1978	
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RUBIDIUM PPM		Plate No: QH 122-355/360	
Geology:		Drawn:	R.K.Y.
Traced:	J.C.R.	Checked:	
Revised by:		Date:	



206049

347/370	355/370	363/370
347/365	355/365	363/365
347/360	355/360	363/360

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Abminco Exploration		Location code
NORTH WEST TASMANIA 28-1320		Date: DEC 1978
QUEEN HILL - E L 47/71		Scale: 1:10,000
STREAM SEDIMENT GEOCHEMISTRY		Plate No: OH 122 - 355/365
RUBIDIUM PPM 3285		
Geology:		
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Traced: JCR		
Checked:		
Revised by:	Date:	