82-#841-10880

1982 ASSESSMENT REPORT

Geology, Geochemistry, Geophysics
and Trenching on the

TA HOOLA PROJECT CLAIMS

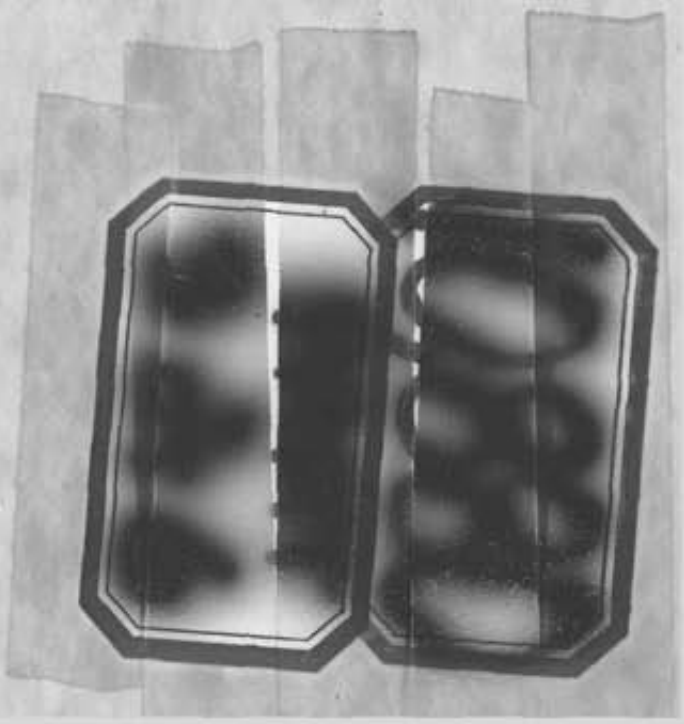
Ta Hoola 1-6, 9, and 10-13 and
RO 15-18, 29, 31 and 32 Claims

November 1982

Paul Ruck

10880 3 of 6

Vol 3 of 3



LITTLEMORE

FRIENDLY

LAKE

LOST

HORSE

LAKE

FRYING-PAN

LAKE

MEADOW

LAKE

SILVER

LAKE

Creek

Nechalliston

CP TA HOOLA 13

TA HOOLA 11 | TA HOOLA 12

TA HOOLA 10 | TA HOOLA 9

18+00 NW
16+00 NW
14+00 NW
12+00 NW
10+00 NW
8+00 NW
6+00 NW
4+00 NW
2+00 NW
0+00
2+00 SE
4+00 SE
6+00 SE
8+00 S
9+00 S
10+00 S
11+00 S
12+00 S
13+00 S
14+00 S
15+00 S
16+00 S
17+00 S
18+00 S
19+00 S
18+00 E
16+00 E

NOTE

TO ACCOMPANY GEOPHYSICAL REPORT
FOR SMD MINING CO. LTD. ON THE
TA HOOLA 9-12 CLAIMS, KAMLOOPS M.D.
B.C., BY PAUL CARTWRIGHT B.Sc., GEOPHYSICIST.
DATED DEC. 2, 1982.

OUTLINE OF ANOMALOUS I.P. ZONE -

SURFACE PROJECTION
OF ANOMALOUS ZONE

DEFINITE
PROBABLE
POSSIBLE

ARROWS SIGNIFY EXTENT
OF COVERAGE

POSSIBLE AXIS OF I.P. ZONE -

APPROVED: PAC

DATE: NOV 27/82

PHOENIX GEOPHYSICS LIMITED

INDUCED POLARIZATION AND RESISTIVITY SURVEY

PLAN MAP

GEOLOGICAL BRANCH
ASSESSMENT REPORT

10,880
PART 3 of 6

SCALE 1:5000
200 100 0 100 200 300 metres

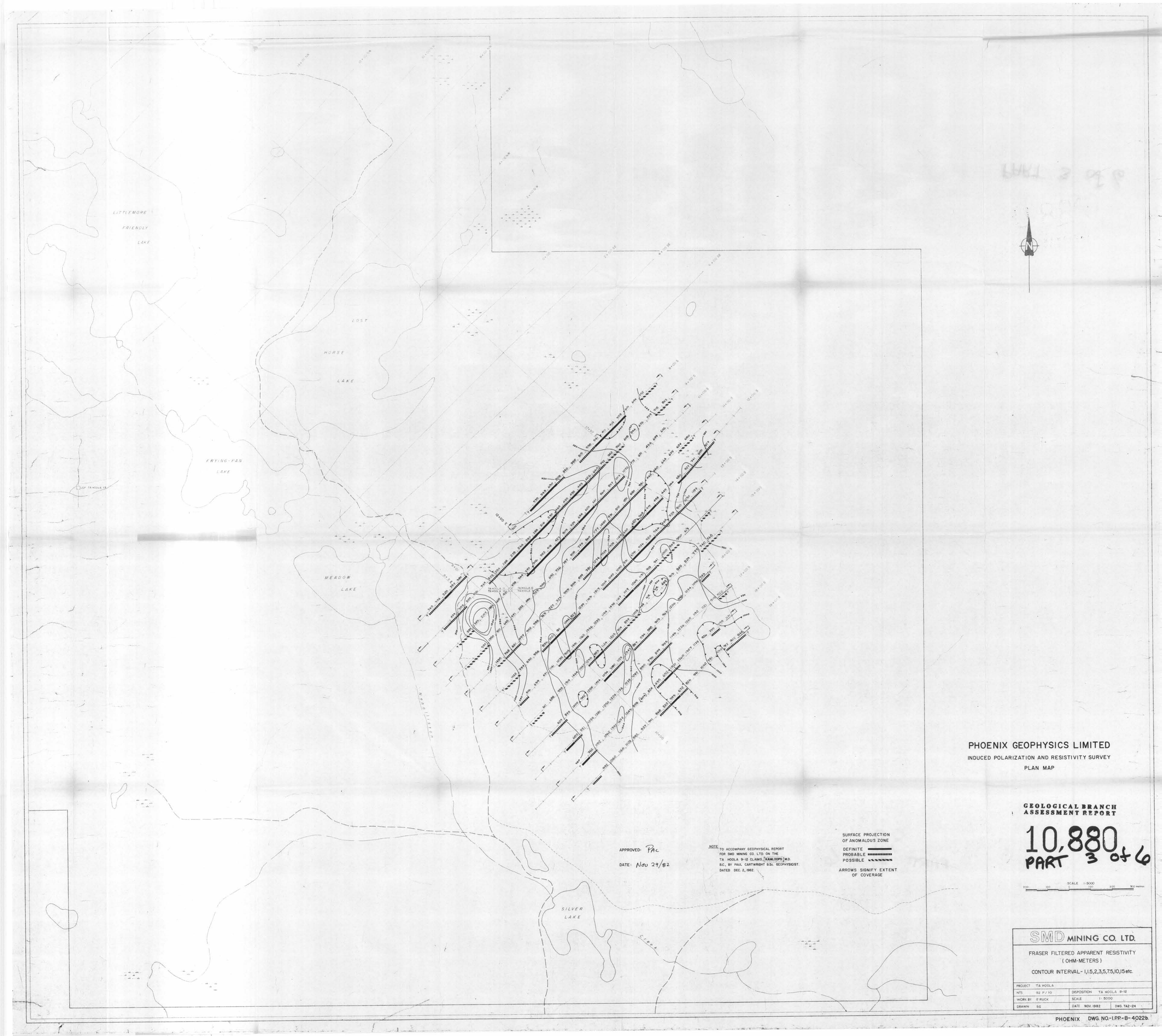
SMD MINING CO. LTD.

FRASER FILTERED PFE VALUES

CONTOUR INTERVAL 1,2,3,4,5 etc.

PROJECT	TA HOOLA		
NTS	92 P/10	DISPOSITION	TA HOOLA 9-12
WORK BY	P RUCK	SCALE	1:5000
DRAWN	SG	DATE NOV. 1982	DWG. TA 2-23

PHOENIX DWG NO.-I.PP-B-4022a.



PHOENIX GEOPHYSICS LIMITED

INDUCED POLARIZATION AND RESISTIVITY SURVEY

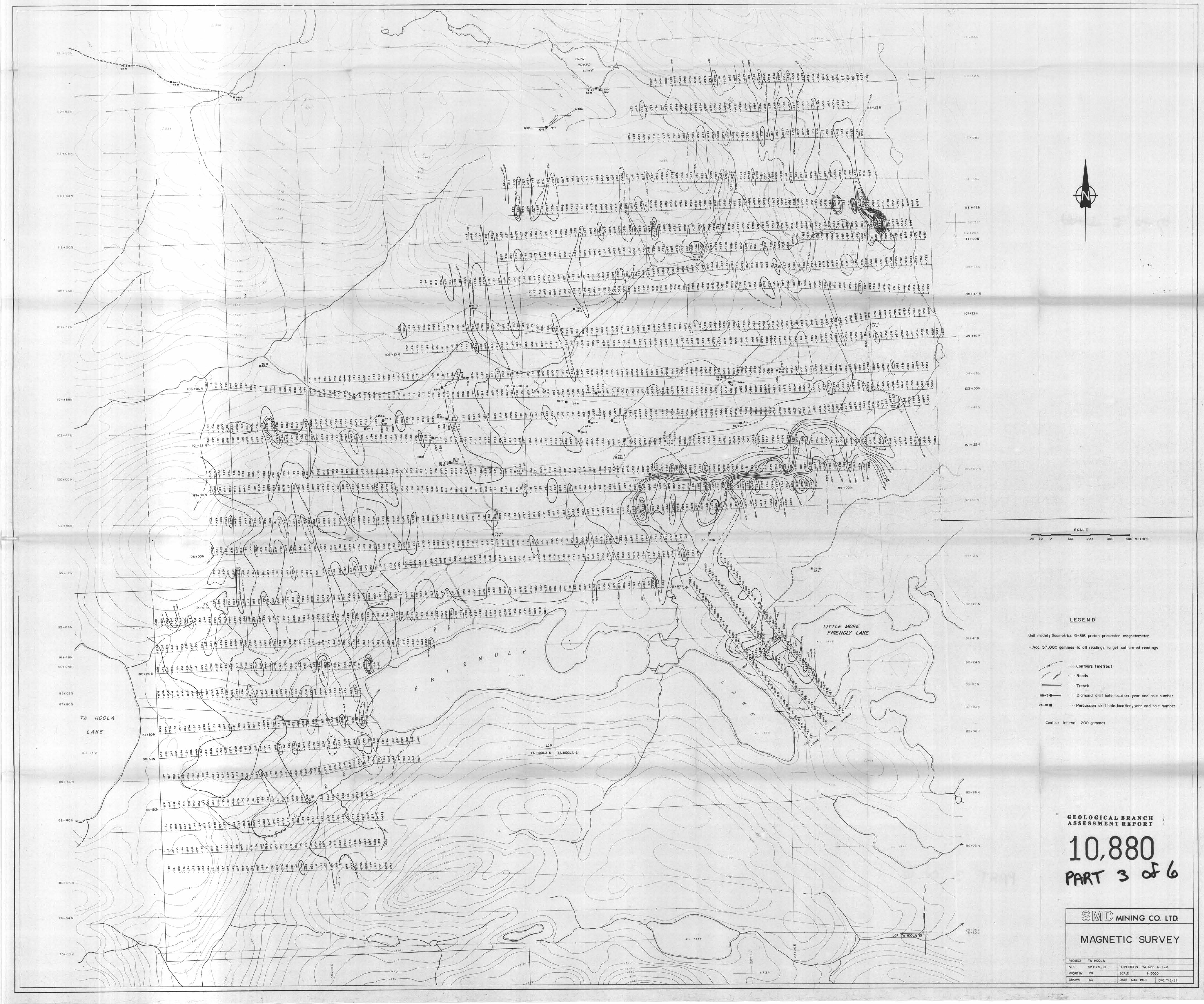
PLAN MAP

GEOLOGICAL BRANCH
ASSESSMENT REPORT

10,880
PART 3 of 6

SMD MINING CO. LTD.		
FRASER FILTERED APPARENT RESISTIVITY (OHM-METERS)		
CONTOUR INTERVAL- 1,1.5,2,3,5,7.5,10,15 etc.		
PROJECT TA HOOLA		
NTS 92 P/10	DISPOSITION TA HOOLA 9-12	
WORK BY P RUCK	SCALE 1:5000	
DRAWN SG	DATE NOV. 1982	DWG. TA2-24

PHOENIX DWG. NO.-I.P.P.-B-4022b


FOUR POUND LAKE
TA HOOLA LAKE
FRIENDLY LAKE
LITTLE MORE FRIENDLY LAKE
LCP TA HOOLA
LCP TA HOOLA 5 | TA HOOLA 6
LCP TA HOOLA 13
SCALE
100 50 0 100 200 300 400 METRES
LEGEND
Unit model; Geometrics G-816 proton precession magnetometer
- Add 57,000 gammas to all readings to get calibrated readings
1410 ····Contours (metres)
····Roads
····Trench
68-3 ····Diamond drill hole location, year and hole number
74-10 ····Percussion drill hole location, year and hole number
Contour interval 200 gammas
GEOLOGICAL BRANCH ASSESSMENT REPORT
10,880
PART 3 of 6
SMD MINING CO. LTD.
MAGNETIC SURVEY
PROJECT TA HOOLA
NTS 92 P/9,10
DISPOSITION TA HOOLA 1-6
WORK BY PR
SCALE 1:5000
DRAWN SG
DATE AUG. 1982
DWG. TA2-25

LITTLEMORE

FRIENDLY

LAKE

LOST

HORSE

LAKE

FRYING-PAN

LAKE

MEADOW

LAKE

SILVER

LAKE

Creek

LCP TA HOOLA 13

TA HOOLA 11

TA HOOLA 10

TA HOOLA 12

TA HOOLA 9

18 + 00 NW

16 + 00 NW

14 + 00 NW

12 + 00 NW

10 + 00 NW

8 + 00 NW

6 + 00 NW

4 + 00 NW

2 + 00 NW

0 + 00

2 + 00 SE

4 + 00 SE

6 + 00 SE

8 + 00 SE

9 + 00 SE

10 + 00 SE

11 + 00 SE

12 + 00 SE

13 + 00 SE

14 + 00 SE

15 + 00 SE

16 + 00 SE

17 + 00 SE

18 + 00 SE

19 + 00 SE

12 + 00 NE

9 + 00 NE

LEGEND

Unit model; Geometrics G-816 proton precession magnetometer

- Add 57,000 gammas to all readings to get calabrated readings

- Contour interval 200 gammas

Creek

Swamp

Roads

GEOLOGICAL BRANCH
ASSESSMENT REPORT

10,880
PART 3 of 6

SCALE 1:5000

200 100 0 100 200 300 metres

SMD MINING CO. LTD.

MAGNETIC SURVEY

PROJECT TA HOOLA		
NTS 92 P/10	DISPOSITION TA HOOLA 9-12	
WORK BY P RUCK	SCALE 1:5000	
DRAWN SG	DATE AUG. 1982	DWG TA2-26

FOUR POUND LAKE

TA HOOLA LAKE

FRIENDLY LAKE

LITTLE MORE FRIENDLY LAKE

LCP TA HOOLA

LCP TA HOOLA 5 | TA HOOLA 6

LCP TA HOOLA 13

READING DIRECTION 70° 160°

SEATTLE STATION DIRECTION

SCALE

100 50 0 100 200 300 400 METRES

LEGEND

+10% – inphase

–10% – quadrature

1410 ···· Contours (metres)

···· Roads

···· Trench

68-3 ···· Diamond drill hole location, year and hole number

74-10 ···· Percussion drill hole location, year and hole number

GEOLOGICAL BRANCH
ASSESSMENT REPORT

10,880

PART 3 of 6

SMD MINING CO. LTD.

VLF-EM 16
SEATTLE
(PROFILES)

PROJECT	TA HOOLA		
NTS	92 P/9, 10	DISPOSITION	TA HOOLA 1-6
WORK BY	PR	SCALE	1:5000
DRAWN	SG	DATE	AUG 1982
		DWG.	TA2-27

FOUR POUND LAKE

TA HOOLA LAKE

FRIENDLY LAKE

LITTLE MORE FRIENDLY LAKE

LCP TA HOOLA

LCP TA HOOLA 5 | TA HOOLA 6

LCP TA HOOLA 13

READING DIRECTION

70°

160°

SEATTLE STATION DIRECTION

SCALE

100 50 0 100 200 300 400 METRES

LEGEND

Inphase value (%)	Filtered value
-15	- 5
+ 6	+ 42
+13	+ 43
+21	+ 14

Filtered values contoured every 10, 20 & 40

- 1410 ····· Contours (metres)
- ····· Roads
- ····· Trench
- 68-3 ····· Diamond drill hole location, year and hole number
- 74-10 ····· Percussion drill hole location, year and hole number

GEOLOGICAL BRANCH
ASSESSMENT REPORT

10,880
PART 3 of 6

SMD MINING CO. LTD.

VLF - EM 16
SEATTLE
(FRASER FILTER DATA)

PROJECT	TA HOOLA		
NTS	92 P/9, 10	DISPOSITION	TA HOOLA 1-6
WORK BY	PR	SCALE	1:5000
DRAWN	SG	DATE	AUG. 1982 DWG. TA2-28

FOUR POUND LAKE

LCP TA HOOLA

LCP TA HOOLA 5 TA HOOLA 6

LCP TA HOOLA 13

LITTLE MORE FRIENDLY LAKE

FRIENDLY LAKE

TA HOOLA LAKE

READING DIRECTION

CUTLER STATION DIRECTION

SCALE

100 50 0 100 200 300 400 METRES

LEGEND

- IP% — Inphase
- IP% — quadrature
- Contours (metres)
- Roads
- Trench
- Diamond drill hole location, year and hole number
- Percussion drill hole location, year and hole number

GEOLOGICAL BRANCH
ASSESSMENT REPORT

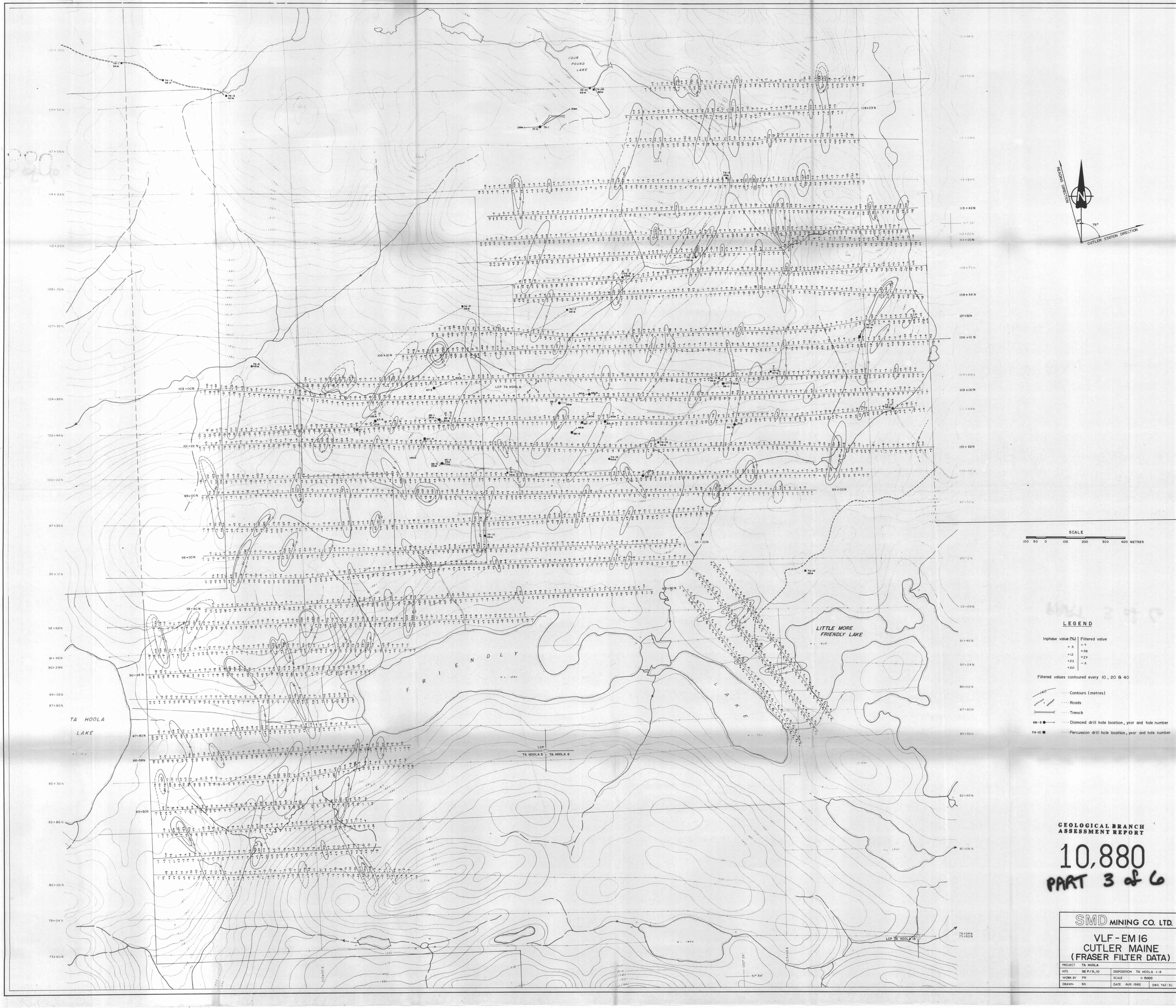
10,880

PART 3 of 6

SMD MINING CO. LTD.

VLF-EM 16
CUTLER MAINE
(PROFILES)

PROJECT	TA HOOLA		
NTS	92 P/9, 10	DISPOSITION	TA HOOLA 1-6
WORK BY	PR	SCALE	1:5000
DRAWN	SG	DATE	AUG. 1982 DWG. TA2-29


FOUR POUND LAKE
LCP TA HOOLA
LITTLE MORE FRIENDLY LAKE
F R I E N D L Y
L A K E
TA HOOLA
LAKE
LCP
TA HOOLA 5
TA HOOLA 6
LCP TA HOOLA 18
N
READING DIRECTION
15°
75°
CUTLER STATION DIRECTION
SCALE
100 50 0 100 200 300 400 METRES
LEGEND
Inphase value (%) | Filtered value
+ 3
+12
+22
+20
+ 7
+28
+27
- 2
Filtered values contoured every 10 , 20 & 40
1410
···· Contours (metres)
···· Roads
···· Trench
68-3
···· Diamond drill hole location , year and hole number
74-10
···· Percussion drill hole location , year and hole number
GEOLOGICAL BRANCH
ASSESSMENT REPORT
10,880
PART 3 of 6
SMD MINING CO. LTD.
VLF - EM 16
CUTLER MAINE
(FRASER FILTER DATA)
PROJECT TA HOOLA
NTS 92 P/9,10
DISPOSITION TA HOOLA 1-6
WORK BY PR
SCALE 1:5000
DRAWN SG
DATE AUG. 1982
DWG. TA2-30

SMD MINING CO. LTD.

VLF - EM 16
SEATTLE
(PROFILES)

PROJECT TA HOOLA			
NTS	92 P/10	DISPOSITION	TA HOOLA 9-12
WORK BY	P. RUCK	SCALE	1: 5000
DRAWN	SG	DATE AUG. 1982	DWG. TA2-31


LITTLEMORE
FRIENDLY
LAKE
LOST
HORSE
LAKE
FRYING-PAN
LAKE
MEADOW
LAKE
SILVER
LAKE
Creek
READING DIRECTION
70°
160°
SEATTLE STATION DIRECTION
N
LEGEND
Filtered value | Inphase value (%)
-10
+58
+88
+27
-26
+20
+4
-13
-33
Filtered values contoured every 5,10,20,40 & 80
···· Creek
···· Swamp
···· Roads
GEOLOGICAL BRANCH
ASSESSMENT REPORT
10,880
PART 3 of 6
SCALE 1:5000
200 100 0 100 200 300 metres
SMD MINING CO. LTD.
VLF-EM 16
SEATTLE
(FRASER FILTER DATA)
PROJECT TA HOOLA
NTS 92 P/10
DISPOSITION TA HOOLA 9-12
WORK BY P. RUCK
SCALE 1:5000
DRAWN SG
DATE AUG. 1982
DWG. TA2-32

LITTLEMORE

FRIENDLY

LAKE

LOST

HORSE

LAKE

FRYING-PAN

LAKE

MEADOW

LAKE

SILVER

LAKE

Creek

LCP TA HOOLA 13

TA HOOLA 11 / TA HOOLA 10

TA HOOLA 12 / TA HOOLA 9

18+00 NW
16+00 NW
14+00 NW
12+00 NW
10+00 NW
8+00 NW
6+00 NW
4+00 NW
2+00 NW
0+00
2+00 SE
4+00 SE
6+00 SE
8+00 SE
9+00 SE
10+00 SE
11+00 SE
12+00 SE
13+00 SE
14+00 SE
15+00 SE
16+00 SE
17+00 SE
18+00 SE
19+00 SE
17+30 NE
12+00 NE
9+00 NE
8+30 NE
10+00 NE

READING DIRECTION

15°

75°

CUTLER STATION DIRECTION

LEGEND

+10% – inphase

–10% – quadrature

Creek

Swamp

Roads

GEOLOGICAL BRANCH
ASSESSMENT REPORT

10,880
PART 3 of 6

SCALE 1:5000

200 100 0 100 200 300 metres

SMD MINING CO. LTD.

VLF - EM 16
CUTLER MAINE
(PROFILES)

PROJECT	TA HOOLA		
NTS	92 P/10	DISPOSITION	TA HOOLA 9-12
WORK BY	P RUCK	SCALE	1:5000
DRAWN	SG	DATE AUG. 1982	DWG. TA?-33

READING DIRECTION

CUTLER STATION DIRECTION

LEGEND

Filtered value | Inphase value (%)

Filtered values contoured every 5, 10 & 20

···· Creek
···· Swamp
···· Roads

GEOLOGICAL BRANCH
ASSESSMENT REPORT

10,880

PART 3 of 6

SCALE 1:5000

200 100 0 100 200 300 metres

SMD MINING CO. LTD.

VLF - EM 16
CUTLER MAINE
(FRASER FILTER DATA)

PROJECT TA HOOLA			
NTS 92 P/10	DISPOSITION TA HOOLA 9-12		
WORK BY P. RUCK	SCALE 1:5000		
DRAWN SG	DATE AUG. 1982	DWG. TA2-34	

LEGEND

VLF conductors – Seattle

(2) Gold soil anomaly

PFE > 8%

Mag. > 200γ

Mag. < 1200γ

Resistivity < 500 Ω-m

Resistivity > 1000 Ω-m

**GEOLOGICAL BRANCH
ASSESSMENT REPORT**

10,880

SCALE 1:5000
200 100 0 100 200 300 metres

PART 3 of 6

SMD MINING CO. LTD.

GEOPHYSICAL COMPILATION GRID 9

PROJECT	TA HOOLA		
NTS	92 P/10	DISPOSITION	TA HOOLA 9-12
WORK BY	P. RUCK	SCALE	1:5000
DRAWN	Z.J.W.	DATE NOV. 1982	DWG. TA2-35

FOUR POUND LAKE

TA HOOLA LAKE

FRIENDLY LAKE

CREEK

LCP TA HOOLA

LCP TA HOOLA 5,6

6

5

4

3

SCALE

100 50 0 100 200 300 400 METRES

LEGEND

- VLF conductors - Seattle
- 3 Geochemical area anomalies
- PFE > 6%
- PFE 5-6%
- Mag > 1600 γ
- Mag < 1000 γ
- Resistivity < 300 Ω-m
- Resistivity > 1500 Ω-m

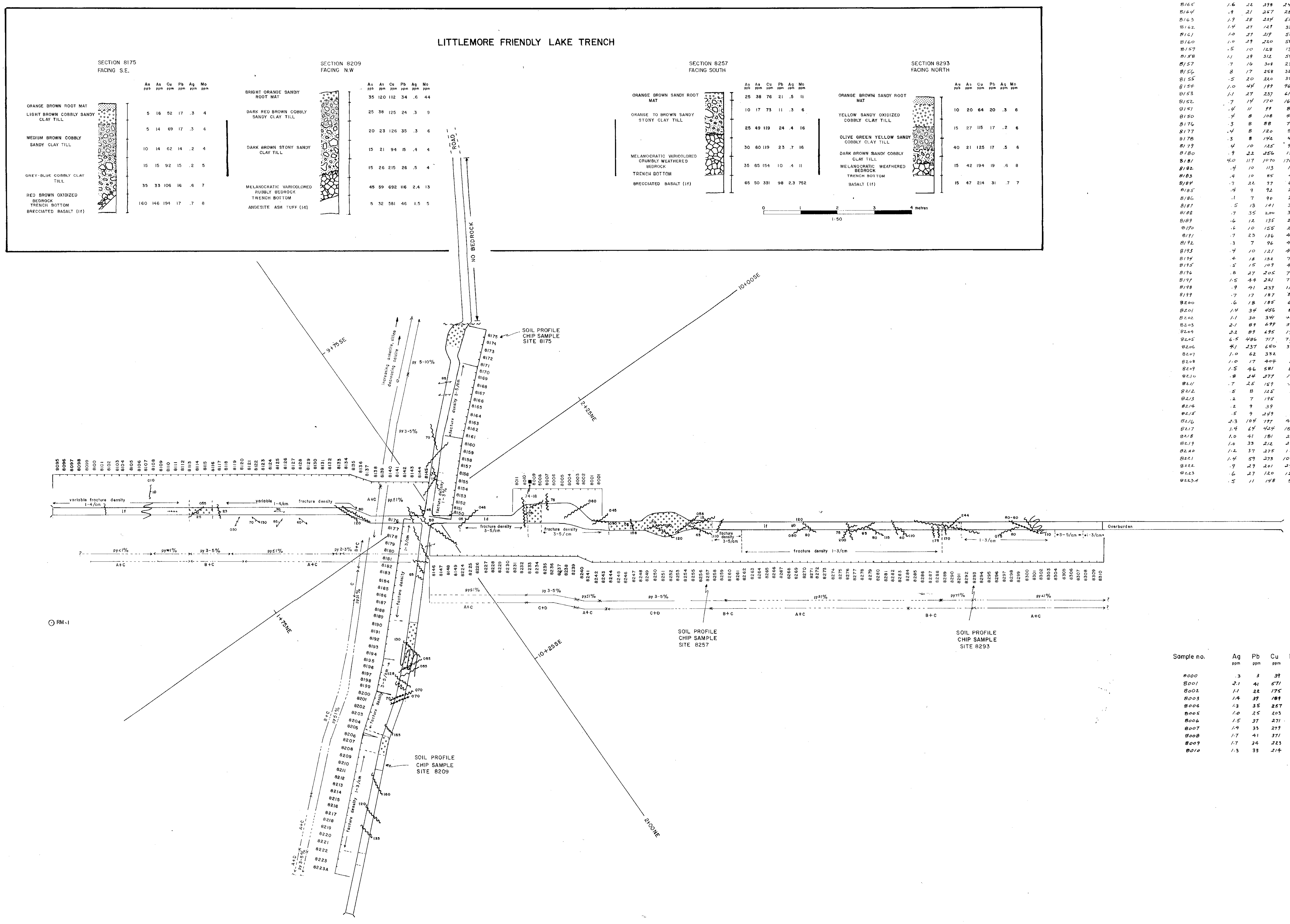
GEOLOGICAL BRANCH ASSESSMENT REPORT

10,880
PART 3 of 6

SMD MINING CO. LTD.

GEOPHYSICAL COMPILATION
MAIN GRID

PROJECT	TA HOOLA		
NTS	92 P/9,10	DISPOSITION	TA HOOLA 1-6 & RG
WORK BY	P. RUCK	SCALE	1: 5000
DRAWN	J.J.W.	DATE	NOV. 1982 DWG. TA2-36



GEOCHEMICAL ASSAYS

Sample no. N-S TRENCH	Ag ppm	Pb ppm	Cu ppm	Mo ppm	[redacted]	As ppm
8175	.7	17	194	8		146
8174	1.2	22	257	43		227
8173	1.1	17	182	24		180
8172	1.4	42	178	89		237
8171	1.2	22	267	37		247
8170	1.5	49	198	88		293
8169	1.3	29	327	52		255
8168	.8	20	163	21		145
8167	1.4	44	262	15		169
8166	1.2	22	514	10		140
8165	1.6	22	298	24		190
8164	.9	21	257	28		207
8163	1.9	28	224	52		282
8162	1.4	27	129	37		265
8161	1.0	27	219	51		205
8160	1.0	29	220	58		234
8159	.5	10	128	13		67
8158	1.1	29	312	54		144
8157	.7	16	308	27		130
8156	8	17	258	32		135
8155	.5	20	220	35		164
8154	1.0	44	199	96		297
8153	1.1	27	237	61		139
8152	.7	14	170	16		82
8151	.4	11	99	8		42
8150	.4	8	108	4		50
8176	.3	8	88	7		48
8177	.4	8	120	5		51
8178	.3	8	142	4		45
8179	.4	10	125	9		72
8180	.9	22	256	13		77
8181	4.0	117	1070	1760		39
8182	.4	10	113	16		44
8183	.4	10	85	4		36
8184	.7	22	97	6		43
8185	.4	9	92	2		42
8186	.1	7	90	2		29
8187	.5	13	101	3		39
8188	.7	35	200	3		33
8189	.6	12	135	2		48
8190	.6	10	155	2		47
8191	.7	23	136	4		39
8192	.3	7	96	4		37
8193	.4	10	121	4		29
8194	.4	18	132	7		39
8195	.5	15	109	4		38
8196	.8	27	205	7		55
8197	1.5	44	221	7		42
8198	.9	41	239	11		57
8199	.7	17	187	8		72
8200	.6	18	185	6		62
8201	1.4	34	456	8		62
8202	1.1	30	341	40		30
8203	2.1	89	699	34		71
8204	2.2	89	695	19		51
8205	6.5	486	717	73		64
8206	4.1	237	650	37		75
8207	1.0	62	332	9		20
8208	1.0	17	404	1		19
8209	1.5	46	581	5		32
8210	.8	24	277	10		31
8211	.7	25	159	6		30
8212	.5	8	125	3		30
8213	.2	7	195	1		40
8214	.2	9	39	1		21
8215	.5	9	249	1		26
8216	2.3	104	797	41		32
8217	1.4	64	424	150		38
8218	1.0	41	181	25		41
8219	1.0	33	212	25		30
8220	1.2	37	275	13		39
8221	1.4	59	273	105		36
8222	.9	29	201	24		46
8223	.6	27	120	12		34
8223A	.5	11	148	5		24

Sample no. W-E TRENCH	Ag ppm	Pb ppm	Cu ppm	Mo ppm	[redacted]	As ppm
8095	.9	35	217	38		91
8096	.9	39	254	41		109
8097	.7	27	240	38		104
8098	.4	29	305	18		78
8099	1.1	41	449	21		122
8100	.8	14	122	4		50
8101	.7	14	97	5		68
8102	.6	12	138	7		108
8103	.3	16	189	6		73
8104	.6	9	141	3		61
8105	1.2	29	367	8		56
8106	.5	19	130	7		47
8107	1.0	35	296	12		59
8108	1.5	66	307	106		86
8109	1.0	32	334	29		61
8110	1.4	23	287	17		113
8111	1.3	54	243	38		91
8112	.6	11	175	9		79
8113	.5	18	214	13		40
8114	5.0	339	191	214		22
8115	2.5	193	208	419		82
8116	4.1	304	413	491		28
8117	.8	39	504	9		50
8118	2.3	99	267	25		13
8119	.5	18	163	6		26
8120	.2	8	167	5		44
8121	.6	9	202	9		29
8122	1.7	64	231	3		21
8123	.8	14	196	5		52
8124	.7	14	144	11		82
8125	.6	10	157	6		57
8126	.8	13	260	8		75
8127	.5	8	146	3		35
8128	.5	8	158	3		24
8129	.8	14	171	5		55
8130	.6	13	144	10		71
8131	.5	13	139	6		45
8132	1.3	36	120	12		38
8133	.6	13	153	4		47
8134	.7	15	141	14		57
8135	1.6	90	174	34		27
8136	.5	15	183	10		34
8137	.4	7	85	5		29
8138	.5	9	62	7		37
8139	.5	9	87	6		33
8140	.2	8	74	5		33
8141	.3	8	101	4		34
8142	.4	10	102	10		70
8143	.5	9	159	8		56
8144	.6	15	87	6		66
8145	.6	12	189	3		38
8146	.6	9	102	3		35
8147	.3	7	145	4		34
8148	.4	6	100	3		30
8149	.4	6	125	3		32
8224	1.1	47	247	18		102
8225	1.3	36	292	76		105
8226	1.7	79	339	38		92
8227	3.1	139	415	35		76
8228	2.0	109	362	20		65
8229	.7	31	192	26		81
8230	.8	36	302	21		102
8231	.6	23	136	23		81
8232	.4	6	106	6		54
8233	1.7	25	250	46		215
8234	1.7	21	262	37		235
8235	.9	22	286	21		106
8236	.7	25	172	34		165
8237	1.3	19	164	34		202
8238	1.2	39	284	75		244
8239	.6	14	137	23		78
8240	.3	5	60	8		21
8241	.4	32	81	37		78
8242	.9	23	181	64		124
8243	.9	32	129	70		147
8244	1.1	22	210	37		200
8245	1.3	42	403	107		230
8246	1.7	43	220	142		209
8247	1.5	42	468	119		171
8248	1.6	39	228	181		205
8249	1.3	34	156	110		225
8250	2.2	129	286	622		206
8251	3.3	151	380	587		144
8252	1.4	30	288	59		82
8253	1.8	90	368	130		143
8254	2.3	115	508	163		166
8255	1.1	35	278	53		74
8256	3.9	247	463	843		63
8257	2.3	98	331	752		50
8258	.5	9	166	20		35
8259	.5	8	123	9		35
8260	.5	4	46	4		22
8261	.3	6	51	5		22
8262	.3	7	124	11		61
8263	.4	18	97	16		65
8264	.3	7	93	8		50
8265	.7	19	167	33		69
8266	.5	12	130	19		67
8267	.7	19	203	12		85
8268	.4	9	95	6		49
8269	1.9	51	462	11		34
8270	1.6	45	489	15		33
8271	2.3	91	407	47		86
8272	1.4	35	370	44		65
8273	1.0	34	347	27		67
8274	.9	18	255	14		86
8275	.8	16	243	7		46
8276	.9	33	250	22		50
8277	.4	9	115	7		51
8278	.7	15	149	10		57
8279	1.0	26	248	8		45
8280	1.2	45	367	15		66
8281	1.5	49	353	26		94
8282	1.3	30	352	22		57
8283	1.2	41	289	29		92
8284	1.1	32	247	23		40
8285	1.2	28	304	23		64
8286	1.5	31	332	11		58
8287	1.0	29	291	7		51
8288	1.6	61	527	15		89
8289	1.4	61	329	51		110
8290	1.3	54	734	29		107
8291	1.3	71	218	8		53
8292	1.8	68	1133	19		102
8293	.7	31	214	7		47
8294	1.4	53	241	6		76
8295	.2	6	37	1		24
8296	.6	12	165	9		32
8297	1.0	15	168	3		13
8298	.7	8	204	6		9
8299	.7	20	115	2		17
8300	.3	10	127	3		19
8301	.8	14	289	9		12
8302	2.1	103	424	133		33
8303	.5	20	176	23		22
8304	3.0	125	767	110		62
8305	.4	12	104	5		17
8306	.7	21	158	2		19
8307	.3	12	122	6		9
8308	.5	26	279	11		11
8309	.7	17	168	3		20
8310	.4	26	190	11		17

Sample no.	Ag ppm	Pb ppm	Cu ppm	Mo ppm	[redacted]	As ppm
8000	.3	3	39	4		25
8001	2.1	41	571	53		227
8002	1.1	22	175	33		141
8003	1.4	39	189	35		261
8004	1.3	35	257	52		282
8005	1.0	25	203	51		182
8006	1.5	37	271	64		300
8007	1.4	33	279	50		290
8008	1.7	41	371	76		222
8009	1.7	34	223	60		264
8010	1.3	33	214	53		247

LEGEND

UPPER TRIASSIC – LOWER JURASSIC

- 7b Greywacke
- 7a Augite andesite agglomerate
- 6 Microgranite porphyry

(The ages of units 6 & 7 are uncertain and may be Middle Jurassic or younger)

- 5 Diorite
- 4 Dolomite
- 3b Tuffwacke
- 3a Volcanic conglomerate
- 2f Siltstone – argillite conglomerate / breccia
- 2e Siltstone – argillite ; interbedded
- 2d Siltstone ; massive , laminated
- 2c Ash tuff conglomerate / breccia ; siliceous
- 2b Ash tuff ; massive , laminated , crystal , lithic
- 2a Lapilli tuff ; massive , crystal , lithic , siliceous
- 1f Basalt
- 1e Augite andesite flow ; porphyritic , may contain hornblende
  - $1e_1$ Related medium to coarse grained pyroclastic rocks
  - $1e_2$ Related fine grained pyroclastic rocks
- 1d Andesite ash tuff
- 1c Andesite tuff ; crystal , lithic
- 1b Andesite tuff breccia , may contain plutonic fragments
- 1a Andesite flow

ALTERATION

- A Carbonate veining
- B Carbonate ± hematite ± richterite veining
- C Pervasive carbonate – chlorite – epidote
- D Pervasive and vein carbonate (calcite/ankerite/siderite) ± silica ± albite

SYMBOLS

- Fault; defined
- Shear zone, width indicated
- Vein
- Fracture, inclined
- Shear, inclined
- Brecciation
- Percussion drill hole
- RM1 ○ Reference marker

0 5 10 15 20 metres
1:250

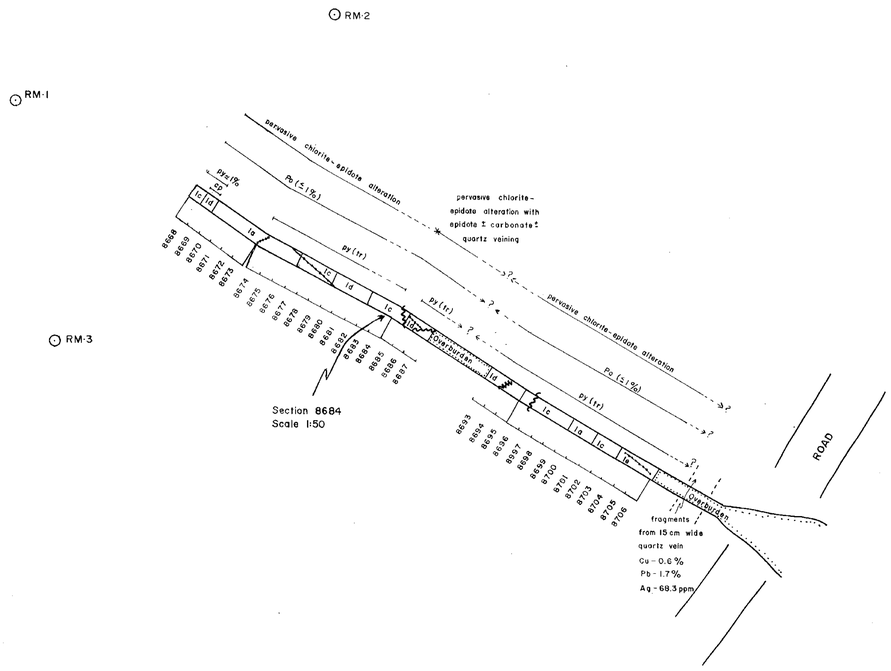
SMD MINING CO. LTD.

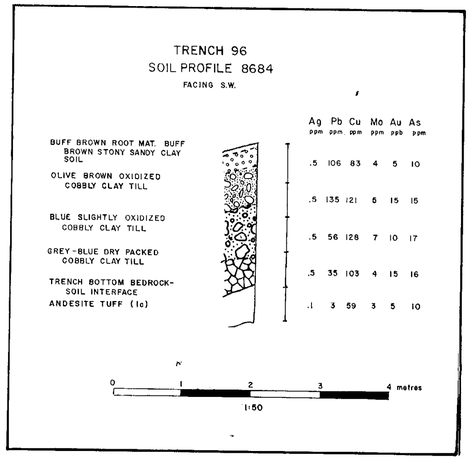
LITTLEMORE FRIENDLY LAKE TRENCH PLAN

PROJECT TA HOOLA	
NTS 92P/9,10	DISPOSITION TA-4
WORK BY R.RUCK	SCALE 1:250
DRAWN Z-J-W	DATE NOV. 1982 DWG. TA2-37

GEOCHEMICAL ASSAYS

Sample no.	Ag ppm	Pb ppm	Cu ppm	Mo ppm	As ppm
8668	.3	41	8	27	15
8668	.2	5	126	28	12
8670	.3	11	128	18	10
8671	.1	5	77	2	10
8672	.1	6	125	9	7
8673	.1	6	120	2	8
8674	.1	5	78	1	6
8675	.1	9	311	3	6
8676	.3	24	92	2	9
8677	.1	7	163	3	12
8678	.1	7	254	10	13
8679	.2	6	252	11	6
8680	.1	5	165	7	10
8681	.1	6	197	6	27
8682	.2	4	86	2	6
8683	.1	3	24	1	10
8684	.1	3	59	3	10
8685	.2	2	73	2	3
8686	.1	3	109	4	38
8687	.3	3	47	6	9
8693	.2	11	153	6	90
8694	.3	7	105	5	74
8695	.2	10	197	4	39
8696	.1	7	33	1	2
8697	.1	9	42	2	4
8698	.1	7	73	1	4
8699	.1	7	85	1	3
8700	.1	8	290	2	10
8701	.1	8	128	1	10
8702	.1	11	100	1	2
8703	.1	11	82	4	4
8704	.2	11	69	2	5
8705	.1	9	63	1	3
8706	.1	9	69	1	6





LEGEND

UPPER TRIASSIC – LOWER JURASSIC

- 7b Greywacke
- 7a Augite andesite agglomerate
- 6 Microgranite porphyry

} The ages of units 6 & 7 are uncertain and may be Middle Jurassic or younger

- 5 Diorite
- 4 Dolomite
- 3b Tuffwacke
- 3a Volcanic conglomerate
- 2f Siltstone – argillite conglomerate / breccia
- 2e Siltstone – argillite ; interbedded
- 2d Siltstone ; massive , laminated
- 2c Ash tuff conglomerate / breccia ; siliceous
- 2b Ash tuff ; massive , laminated , crystal , lithic
- 2a Lapilli tuff ; massive , crystal , lithic ; siliceous
- 1f Basalt
- 1e Augite andesite flow ; porphyritic , may contain hornblende
  - $1e_1$ Related medium to coarse grained pyroclastic rocks
  - $1e_2$ Related fine grained pyroclastic rocks
- 1d Andesite ash tuff
- 1c Andesite tuff ; crystal , lithic
- 1b Andesite tuff breccia , may contain plutonic fragments
- 1a Andesite flow

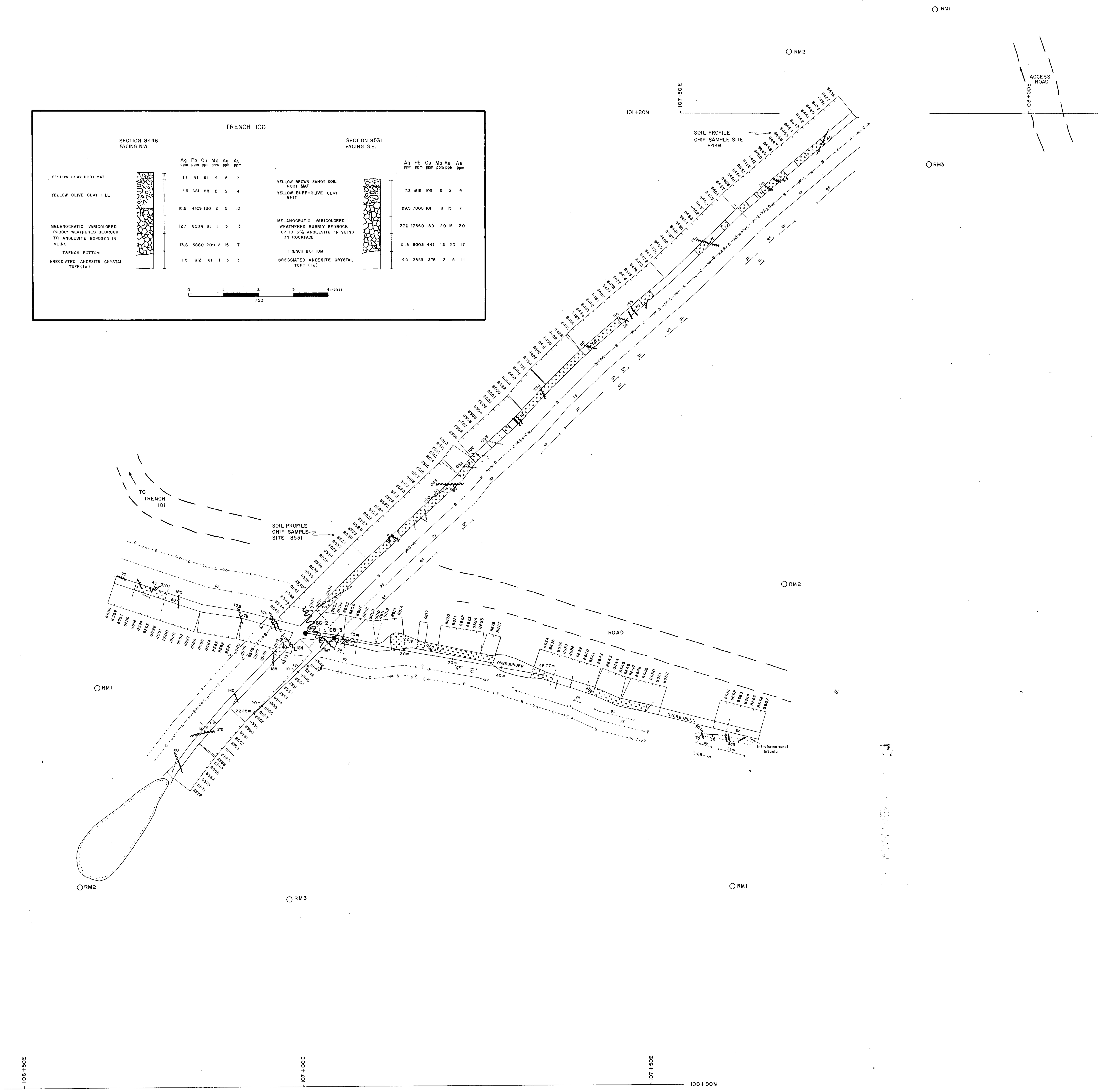
- RM-1 Reference points
- Bedding
- Fault
- Fault zone
- Vein, defined
- 20 Lineation, inclined

0 5 10 15 20 metres

SMD MINING CO. LTD.

TRENCH 96 PLAN

PROJECT TA HOOLA		
NTS 92P/9,10	DISPOSITION RO 32	
WORK BY P.RUCK	SCALE 1:250	
DRAWN Z.J.W.	DATE NOVEMBER, 1982	DWG. TA2-38



GEOCHEMICAL ASSAYS

Sample no.	Ag ppm	Pb ppm	Cu ppm	Mo ppm	[redacted]	As ppm
W-E TRENCH						
8599	.8	92	185	2		5
8598	1.2	132	269	4		5
8597	.8	111	282	2		6
8596	1.7	327	299	7		3
8595	.9	94	276	2		7
8594	1.1	160	267	2		6
8593	1.1	120	340	3		4
8592	1.0	86	300	4		3
8591	.8	117	205	2		4
8590	1.5	172	230	3		6
8589	.9	97	152	4		4
8588	.6	51	87	1		2
8587	.5	45	116	2		2
8586	.6	38	150	3		4
8585	.5	27	169	2		4
8584	2.5	208	362	112		2
8583	.6	47	236	3		2
8582	.5	31	161	2		5
8581	.6	36	138	2		3
8580	.5	33	159	2		2
8579	1.6	104	405	8		5
8578	1.2	104	315	5		4
8577	.8	49	272	4		4
8576	.9	96	227	3		2
8575	1.9	198	297	3		5
8574	1.8	284	234	3		3
8573	.7	62	171	2		6
8600	1.0	105	266	5		5
8601	.9	115	201	3		6
8602	14.8	2963	595	23		97
8603	5.4	1097	251	5		16
8604	10.7	2335	312	3		10
8605	11.6	3240	251	1		9
8606	5.7	1378	343	1		8
8607	51.0	13119	954	7		30
8608	11.7	3508	597	3		15
8609	18.0	5146	878	4		33
8610	20.4	4052	642	37		21
8611	12.6	2514	782	8		17
8612	10.6	2056	819	6		22
8613	8.1	1754	570	15		16
8614	22.0	5617	533	10		15
8617	—	—	—	—		—
8620	24.3	3705	375	3		10
8621	46.9	7455	428	2		19
8622	15.0	1293	469	1		7
8623	5.4	841	374	2		5
8624	8.3	1396	465	3		7
8625	3.9	809	386	2		8
8626	16.9	3033	466	6		11
8627	17.0	2985	377	11		11
8634	6.0	920	393	2		10
8635	6.4	1022	389	5		6
8636	11.3	2258	643	3		12
8637	2.7	509	261	2		7
8638	2.2	470	195	1		7
8639	28.1	4493	259	44		44
8640	35.0	6147	426	9		24
8641	1.2	211	214	4		12
8642	—	—	—	—		—
8643	6.7	2075	62	1		4
8644	5.7	3130	47	2		2
8645	1.8	475	369	20		7
8646	.6	114	147	8		8
8647	29.3	10054	698	2		27
8648	9.4	2584	608	2		14
8649	24.9	7314	474	4		19
8650	5.4	1202	208	7		11
8651	4.1	725	308	10		10
8652	—	—	—	—		—
8661	13.1	1319	235	10		11
8662	—	—	—	—		—
8663	—	—	—	—		—
8664	6.2	697	155	3		8
8665	4.7	836	120	4		7
8666	2.4	550	69	4		6
8667	3.6	838	108	3		9

Sample no.	Ag ppm	Pb ppm	Cu ppm	Mo ppm	[redacted]	As ppm
N-S TRENCH						
8436	7.3	1580	227	2		10
8437	15.2	5507	141	2		10
8438	2.7	725	84	1		6
8439	2.2	841	66	2		4
8440	4.9	1918	97	1		7
8441	1.6	474	121	2		5
8442	6.3	2866	38	1		2
8443	3.1	1398	25	1		2
8444	4.1	1947	31	1		2
8445	4.9	2419	25	1		2
8446	1.5	612	61	1		3
8447	1.4	619	123	1		5
8448	4.4	1663	106	1		3
8449	10.9	4260	214	1		7
8450	14.7	6457	192	1		12
8451	9.0	3962	129	1		5
8452	9.2	4321	368	4		7
8453	4.6	1859	215	1		5
8454	4.2	1805	170	1		9
8455	6.2	1570	110	1		8
8456	.9	294	148	1		3
8457	1.5	437	180	1		7
8458	2.0	501	110	1		9
8459	2.7	1296	106	1		9
8460	1.2	369	158	1		7
8461	.3	122	59	1		2
8462	.9	229	63	1		6
8463	.7	214	81	1		6
8464	2.4	912	93	1		5
8465	1.2	390	75	1		8
8466	19.3	7144	399	3		25
8467	1.9	616	151	1		11
8468	2.8	727	201	2		12
8469	8.6	3087	657	4		15
8470	6.6	2499	188	3		16
8471	3.9	1639	109	1		10
8472	6.4	1981	219	3		12
8473	8.3	2840	271	2		10
8474	1.6	620	155	1		10
8475	9.6	2068	1628	7		8
8476	15.0	6286	224	6		15
8477	3.7	1556	77	1		11
8478	1.4	539	133	1		8
8479	4.7	1346	205	2		7
8480	.8	261	118	1		9
8481	2.0	530	172	1		7
8482	2.9	983	100	1		8
8483	4.3	1103	118	1		9
8484	4.0	1148	173	1		11
8485	2.4	345	204	2		8
8486	7.6	1390	974	3		10
8487	2.1	793	146	1		8
8488	5.5	1579	201	7		8
8489	14.7	2028	372	1		5
8490	15.0	2130	546	4		7
8491	4.2	939	271	1		8
8492	6.8	1464	143	1		6
8493	9.4	1991	144	1		10
8494	4.8	1272	126	1		9
8495	10.1	1669	146	2		7
8496	2.9	627	137	3		4
8497	14.5	3259	113	4		11
8498	9.3	3496	127	1		6
8499	5.7	1077	122	1		7
8500	9.8	1671	204	3		8
8501	3.6	506	661	16		49
8502	9.1	1269	331	36		35
8503	10.2	2303	197	12		29
8504	3.2	409	67	3		10
8505	5.1	630	143	2		8
8506	4.0	494	154	12		6
8507	3.0	369	136	2		9
8508	4.3	646	151	4		7
8509	2.3	422	106	4		5
8510	1.6	300	75	1		8
8511	15.1	3717	468	4		10
8512	14.0	3740	282	5		19
8513	10.7	3588	382	17		89
8514	3.5	1629	267	10		25
8515	27.8	9177	464	8		54
8516	9.8	3289	167	7		9
8517	6.9	2267	182	14		9
8518	22.8	3690	503	6		8
8519	7.0	1822	670	6		7
8520	5.3	1069	494	5		11
8521	7.2	2702	420	17		14
8522	43.2	18737	514	9		39
8523	40.1	12825	315	3		26
8524	46.9	25158	578	5		42
8525	15.2	4535	1064	34		33
8526	8.0	1885	698	5		14
8527	8.0	1892	582	3		14
8528	34.4	9663	579	17		24
8529	22.4	8232	410	7		16
8530	33.2	9926	277	10		18
8531	14.0	3855	278	2		11
8532	20.9	7141	366	6		16
8533	33.4	11757	441	12		19
8534	10.5	3480	517	3		12
8535	41.6	12517	884	7		30
8536	28.7	6753	1213	14		52
8537	22.6	5476	1737	17		152
8538	28.1	5913	1328	100		365
8539	9.5	2015	948	6		25
8540	22.2	6103	566	18		50
8541	4.0	710	296	6		8
8542	1.2	185	214	3		15
8543	1.5	123	258	2		10
8544	.6	73	130	2		4
8545	.6	62	133	1		6
8546	1.0	68	288	4		3
8547	.8	58	180	5		11
8548	2.7	154	502	28		9
8549	1.6	118	644	7		5
8550	1.5	69	389	4		2
8551	1.5	115	184	3		2
8552	.7	35	473	5		2
8553	1.0	35	155	1		2
8554	.2	16	121	1		4
8555	.9	41	222	3		4
8556	.3	18	58	1		3
8557	.4	12	69	4		7
8558	.3	29	61	1		2
8559	.6	48	65	4		4
8560	.3	17	131	2		2
8561	.5	28	159	1		4
8562	.6	67	136	2		12
8563	1.1	79	325	2		21
8564	.9	22	299	3		37
8565	.8	23	175	2		35
8566	.5	15	173	2		9
8567	.9	35	189	2		25
8568	2.5	91	226	9		20
8569	2.6	119	260	8		9
8570	9.2	669	237	25		10
8571	.7	43	157	2		4
8572	.8	71	150	2		2

DIAMOND DRILL ASSAYS

ANCONDA AMERICAN BRASS LTD.

Hole no.	From m	To m	Lenght m	Ag oz/ton	Pb %	Cu %	Mo %	Zn %
66-2	0	2.90	2.90	1.57	1.97	.05	.003	N/A
	2.90	5.58	2.68	.40	.30	.10	.001	
	5.58	6.13	.55	2.46	1.90	.10	TR	
	6.13	7.92	1.79	.30	.15	.05	.003	
	7.92	9.17	1.25	3.97	3.62	.11	.001	
	9.17	12.27	3.05	.92	.35	.05	.001	
	12.27	15.27	3.05	.92	.40	.07	TR	
	15.27	18.32	3.05	TR	.05	.03	TR	
	18.32	21.37	3.05	.05	.07	.03	TR	
	21.37	24.41	3.04	TR	TR	.03	TR	
	24.41	27.46	3.05	TR	TR	.04	TR	
	27.46	30.51	3.05	TR	TR	.04	TR	
	30.51	33.56	3.05	TR	TR	.06	TR	
	33.56	36.61	3.05	.12	TR	.13	.018	
	36.61	39.65	3.05	.16	TR	.06	.004	
	39.65	43.04	3.39	TR	TR	.03	.004	
	43.04	45.04	2.68	1.45	.45	.13	.017	
	45.72	48.77	3.05	1.40	TR	.03	.001	
68-3	1.37	3.05	1.69	.84	.14	.06	.011	.007
	3.05	6.10	3.05	1.06	.54	.10	.005	.007
	6.10	9.14	3.04	.37	.24	.04	.001	.009
	9.14	12.19	3.05	.04	.01	.03	.001	.004
	12.19	15.24	3.05	.07	.01	.10	.002	.005
	15.24	18.29	3.05	.03	TR	.03	.004	.004
	[illegible]	21.34	3.05	.03	TR	.02	.001	.003
	[illegible]	22.25	.91	.03	TR	.02	TR	.002

LEGEND

UPPER TRIASSIC - LOWER JURASSIC

- **7b** Greywacke
- **7a** Augite andesite agglomerate
- **6** Microgranite porphyry

(The ages of units 6 & 7 are uncertain and may be Middle Jurassic or younger)

- **5** Diorite
- **4** Dolomite
- **3b** Tuffwacke
- **3a** Volcanic conglomerate
- **2f** Siltstone – argillite conglomerate / breccia
- **2e** Siltstone – argillite ; interbedded
- **2d** Siltstone ; massive , laminated
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- **2b** Ash tuff ; massive , laminated , crystal , lithic
- **2a** Lapilli tuff ; massive , crystal , lithic , siliceous
- **1f** Basalt
- **1e** Augite andesite flow ; porphyritic , may contain hornblende
  - **$1e_1$** Related medium to coarse grained pyroclastic rocks
  - **$1e_2$** Related fine grained pyroclastic rocks
- **1d** Andesite ash tuff
- **1c** Andesite tuff ; crystal , lithic
- **1b** Andesite tuff breccia , may contain plutonic fragments
- **1a** Andesite flow

ALTERATION

- A Pervasive carbonate - epidote - chlorite
- B Fracture controlled chlorite - carbonate - pyroxene - richterite ± chalcedony ± albite flooding with relic biotite-hornfels fragments
- C Carbonate - chlorite ± chalcedony ± richterite veining

SYMBOLS

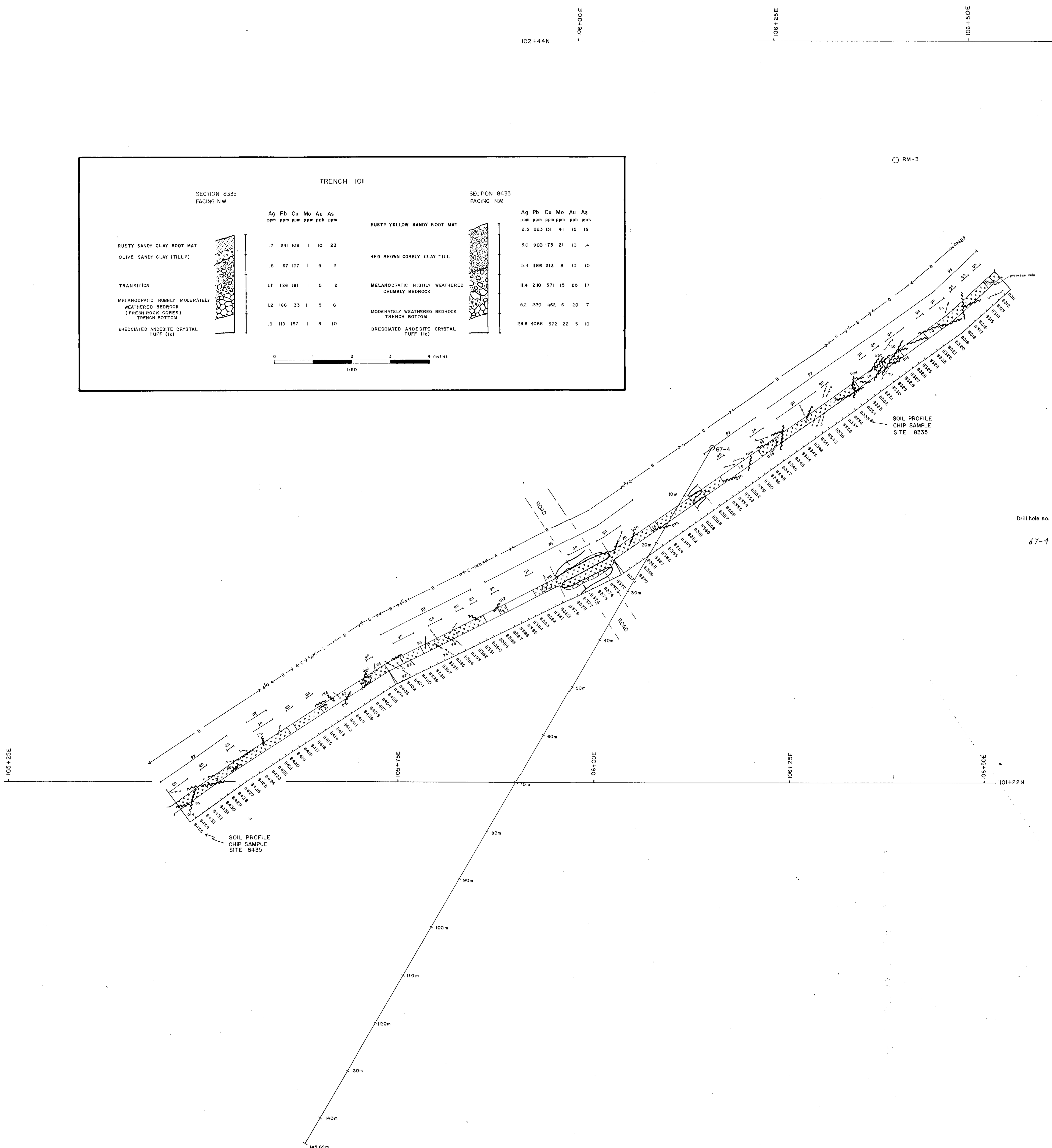
- Crackle breccia
- RM1 Reference marker
- Fault, defined
- Vein, defined
- 48.7m Surface projection of diamond drill hole (true length indicated; drilled at 45° angle)
- Shear zone, width indicated
- 30 Bedding, inclined

0 5 10 15 20 metres
1:250

SMD MINING CO. LTD.

TRENCH 100 PLAN

PROJECT TA HOOLA	
NTS 92P/ 9,10	DISPOSITION RO 29
WORK BY P. RUCK	SCALE 1:250
DRAWN Z.J.W.	DATE NOV. 1982 — DWG. TA2-39



DIAMOND DRILL ASSAYS

ANACONDA AMERICAN BRASS LTD

Drill hole no.	From	To	Lenght	Ag oz/ton	Pb %	Cu %	Mo %	Zn %
67-4	5.03	7.77	2.74	.38	.37	.01	TR	.01
	7.77	11.43	3.66	.35	.49	.01	TR	.01
	11.43	14.11	2.68	.09	.14	.01	TR	.01
	14.11	16.61	2.50	.09	.13	.01	TR	.01
	16.61	19.20	2.59	.29	.36	.01	TR	.01
	19.20	21.73	2.53	.31	.51	.02	TR	.01
	21.73	24.60	2.87	.68	.73	.03	TR	.01
	24.60	27.34	2.74	.53	.60	.01	TR	.01
	27.34	29.87	2.53	.09	.12	.01	TR	.01
	29.87	32.64	2.77	.59	.67	.01	TR	.01
	32.64	35.36	2.72	.53	.38	.01	TR	.01
	35.36	36.82	1.46	.31	.23	.01	TR	.01
	36.82	40.33	3.51	.47	.35	.07	.007	.02
	40.28	43.28	2.95	.13	.06	.04	.003	.01
	43.15	46.15	2.87	.29	.29	.01	TR	.01
	46.15	46.57	.42	.07	.02	.03	.003	.01
	46.57	49.07	2.50	1.47	.86	.03	.001	.01
	49.07	51.82	2.75	1.41	1.41	.02	TR	.01
	51.83	54.56	2.73	1.06	1.35	.01	TR	.01
	54.56	57.09	2.53	.71	.90	.02	TR	.01
	57.09	59.98	2.89	.21	.10	.02	TR	.01
	59.98	62.82	2.84	.50	.67	.01	TR	.01
	62.82	63.31	.49	.06	.01	.01	.004	TR
	63.31	66.45	3.14	.59	.58	.02	TR	.01
	66.45	69.49	3.04	.10	.12	.01	.003	.01
	69.49	72.54	3.05	.13	.11	.02	TR	.01
	72.54	75.59	3.05	.29	.57	.01	TR	.01
	75.59	78.64	3.05	.49	.53	.07	TR	.01
	78.64	81.69	3.05	.34	.37	.03	TR	.01
	81.69	84.73	3.04	.03	.04	.02	TR	.01
	84.73	88.09	3.36	.03	.04	.08	TR	.01
	88.09	91.14	3.05	.02	.01	.05	TR	.01
	91.14	94.18	3.04	.03	.06	.03	.001	.01
	94.18	97.23	3.05	.09	.08	.04	TR	.01
	97.23	100.28	3.05	.15	.11	.04	.001	.01
	100.28	103.14	2.86	.03	.05	.03	.001	.01
	103.14	106.38	3.24	.03	.04	.03	TR	.01
	106.38	109.33	2.95	.02	.01	.05	TR	.01
	109.33	112.47	3.14	.03	.03	.06	TR	.01
	112.47	116.31	3.84	.03	.02	.03	.001	.01
	116.31	119.36	3.05	.03	.02	.06	.001	.01
	119.36	122.41	3.05	.03	.01	.04	.002	.01
	122.41	125.46	3.05	.01	.01	.03	TR	.01
	125.46	127.25	1.79	.01	TR	.03	TR	.01
	127.25	127.56	.31	.97	.01	.03	TR	.01
	127.56	128.93	1.37	.03	.02	.04	.001	.01
	128.93	131.98	3.05	.02	.01	.03	.001	.01
	131.98	135.03	3.05	.12	.15	.04	.001	.01
	135.03	138.07	3.04	.02	.01	.04	.002	.01
	138.07	141.12	3.05	.03	.01	.05	.002	.01
	141.12	145.69	4.57	.03	.03	.05	.003	.01

GEOCHEMICAL ASSAYS

Sample no.	Ag ppm	Pb ppm	Cu ppm	Mo ppm	[redacted]	As ppm
8311	6.2	1584	165	1		13
8312	22.6	4277	74	6		5
8313	6.9	1672	113	1		8
8314	6.3	2070	109	1		10
8315	1.2	426	77	1		14
8316	4.3	901	124	2		6
8317	12.5	2418	277	12		6
8318	2.0	462	282	1		8
8319	7.7	2081	424	1		5
8320	5.5	1994	217	1		8
8321	.8	234	108	1		9
8322	4.7	1355	321	1		8
8323	2.8	941	176	1		8
8324	1.9	568	147	1		9
8325	3.2	518	297	1		22
8326	1.3	193	145	1		17
8327	1.1	141	163	1		8
8328	1.4	219	162	1		12
8329	1.5	371	162	1		8
8330	.4	70	106	2		10
8331	1.1	211	156	1		8
8332	.5	56	74	1		13
8333	.9	138	121	1		10
8334	1.6	181	142	1		9
8335	.6	119	157	1		6
8336	1.4	254	124	1		10
8337	8.4	1840	289	3		14
8338	2.8	839	166	1		10
8339	10.4	3676	131	1		13
8340	14.6	4944	131	1		12
8341	19.1	3898	206	1		11
8342	1.9	559	135	1		8
8343	22.1	4042	294	2		28
8344	22.3	2804	219	3		10
8345	6.1	762	175	1		11
8346	5.2	694	262	1		4
8347	11.8	1737	168	1		7
8348	9.2	1273	125	1		11
8349	5.9	681	187	1		9
8350	2.3	322	166	1		6
8351	.9	275	102	1		11
8352	3.4	382	98	2		6
8353	19.9	2273	281	2		12
8354	4.0	674	108	1		8
8355	.2	74	78	1		5
8356	.1	53	56	2		7
8357	—	—	—	—		—
8358	11.8	2036	154	5		14
8359	2.2	881	90	3		9
8360	14.5	5038	145	2		13
8361	1.4	479	55	1		10
8362	2.5	829	137	1		11
8363	9.9	2822	577	2		22
8364	3.7	1145	257	1		9
8365	1.0	422	118	1		14
8366	22.6	3923	291	69		20
8367	1.9	399	116	20		14
8368	.5	155	129	1		10
8369	1.5	539	195	1		22
8370	36.0	12343	433	8		20
8371	10.8	3291	479	14		13
8372	23.4	6975	479	19		16
8373	3.9	1905	274	2		97
8374	21.2	7596	253	33		107
8375	27.2	12528	202	6		36
8376	22.9	9974	376	12		23
8377	10.7	4747	158	5		35
8378	1.1	628	38	1		10
8379	.5	367	52	1		13
8380	6.5	1960	187	3		23
8381	5.5	2577	114	1		17
8382	1.1	585	96	2		34
8383	3.5	1492	152	3		27
8384	10.8	3511	131	41		65
8385	17.1	6151	227	21		107
8386	4.2	1629	312	9		18
8387	4.9	1358	212	5		18
8388	12.2	2849	211	4		20
8389	10.2	2282	595	2		17
8390	17.5	4147	135	6		15
8391	3.4	1330	95	2		20
8392	11.3	3035	180	2		15
8393	7.2	1801	200	5		19
8394	7.9	2356	156	5		28
8395	25.0	10336	189	16		87
8396	32.2	11286	348	59		162
8397	8.4	2690	159	130		319
8398	3.9	1052	267	30		116
8399	4.3	1476	123	4		28
8400	5.4	2270	148	1		19
8401	27.3	8912	425	4		18
8402	9.7	2680	296	5		9
8403	2.7	484	107	1		9
8404	18.9	2784	348	2		8
8405	15.7	2647	382	1		12
8406	1.5	327	155	1		7
8407	1.6	423	242	1		8
8408	6.5	1889	169	1		14
8409	4.2	1986	109	1		9
8410	1.2	422	64	1		13
8411	2.2	717	93	2		27
8412	7.4	3325	122	1		18
8413	7.4	3426	63	1		17
8414	9.8	4416	109	1		16
8415	2.4	1045	98	1		16
8416	5.4	2277	135	1		15
8417	7.9	3033	158	3		14
8418	1.1	428	170	1		16
8419	4.2	1527	330	2		68
8420	2.6	1198	159	1		14
8421	7.7	3371	270	2		32
8422	4.4	1900	194	1		13
8423	1.6	561	128	11		10
8424	13.4	4351	416	18		17
8425	5.2	1789	263	1		12
8426	7.2	2268	433	17		36
8427	14.0	5743	384	10		14
8428	4.1	1629	456	4		16
8429	10.7	3773	475	2		14
8430	7.4	2301	454	7		34
8431	8.8	2584	475	11		67
8432	11.0	2597	482	2		14
8433	11.8	2974	374	16		17
8434	20.6	5088	271	3		13
8435	28.8	4068	372	22		10

LEGEND

UPPER TRIASSIC – LOWER JURASSIC

- 7b Greywacke
- 7a Augite andesite agglomerate
- 6 Microgranite porphyry

The ages of units 6 & 7 are uncertain and may be Middle Jurassic or younger

- 5 Diorite
- 4 Dolomite
- 3b Tuffwacke
- 3a Volcanic conglomerate
- 2f Siltstone – argillite conglomerate / breccia
- 2e Siltstone – argillite ; interbedded
- 2d Siltstone ; massive , laminated
- 2c Ash tuff conglomerate / breccia ; siliceous
- 2b Ash tuff ; massive , laminated , crystal , lithic
- 2a Lapilli tuff ; massive , crystal , lithic , siliceous
- 1f Basalt
- 1e Augite andesite flow ; porphyritic , may contain hornblende
  - $1e_1$ Related medium to coarse grained pyroclastic rocks
  - $1e_2$ Related fine grained pyroclastic rocks
- 1d Andesite ash tuff
- 1c Andesite tuff ; crystal , lithic
- 1b Andesite tuff breccia , may contain plutonic fragments

ALTERATION

- A Pervasive carbonate - chlorite ± epidote
- B Fracture controlled chlorite - carbonate - pyroxene - richterite ± chalcedony ± albite flooding with relic biotite - hornfels fragments
- C Carbonate - chlorite ± richterite ± chalcedony veining

SYMBOLS

- Crackle breccia
- RM1 ○ Reference marker
- Fault, defined
- Vein, defined
- 149·7m Surface projection of diamond drill hole drilled at −45° angle (true length indicated)
- Shear zone , width indicated
- Fractures, vertical
- 80 Shears, inclined

GEOLOGICAL BRANCH ASSESSMENT REPORT

10,880

PART 3 of 6

0 5 10 15 20 metres

1:250

SMD MINING CO. LTD.

TRENCH 101 PLAN

PROJECT TA HOOLA	
NTS 92P/9,10	DISPOSITION RO29
WORK BY P. RUCK	SCALE 1:250
DRAWN ZJW	DATE NOV. 1982 DWG. TA2-40