

Discussion on Drilling at Mount Wells Tin Mine
31st July 1989

Drill results at Mount Wells are most favourable and have exceeded expectations in terms of grade and tonnage. This has been brought about by the location of several new mineralised zones which have been unworked, hence high grade portions are intact. Alteration zones are extensive and carry significant tin values which, when combined with high grade quartz veins, present bulk tonnage mining zones of 10 - 15m width on both the Main and West Lodes and of 5 - 10m on the Intermediate Lode.

I firmly believe that the open cut potential at Mount Wells has not only been confirmed but significantly upgraded. Potential exists for an open cut with one million tonnes plus of ore with a similar underground potential based on previous drilling.

I have no doubt that grade and tonnage predictions for open cut ore presented in a feasibility study by Territory Resources N.L. on Mount Wells are achievable with a realistic waste:ore ratio.

Harry Bates
HARRY BATES
Geologist

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Overview of Geology

Mineralisation at Mount Wells occurs in a series of parallel main lode systems which form a sheeted vein arrangement. Between these lodes innumerable smaller veins exhibit an anastomosing pattern. Alteration minerals include sericite, chlorite, tourmaline, hematite, silica and kaolin. Alteration is more pronounced close to veins where chlorite-tourmaline-sericite becomes prevalent.

It was observed that the coarser grained sedimentary rocks show strong alteration which is probably a function of primary porosity. Cassiterite forms coarse crystals in quartz veins and brecciated quartz lodes and selvages of pure cassiterite (1-2cm wide) often occur on vein walls and in fractures within the veins. Individual cassiterite crystals are commonly up to 1cm across with considerably larger crystals occurring particularly in the East Lode.

Wolfram, chalcopyrite and occasionally molybdenite occur with the stanniferous lodes and it is likely that wolfram will form a valuable by-product in sectors of the mineralised system.

Mount Wells

RC Drilling July 1989

Summary of Results

Meterage
From To

Drillhole Result

RC1 (51m)

6	7	1m @ 0.94% Sn
19	24	5m @ 2.6 % Sn (or 19-33m = 14m @ 1.01% Sn)
30	33	3m @ 0.22% Sn
43	44	1m @ 0.13% Sn (or 0-51m = 51m @ 0.3% Sn)

RC2 (28m)

9	10	1m @ 0.13% Sn
19	20	1m @ 0.25% Sn

RC3 (37m)

0	1	1m @ 0.16% Sn
9	12	3m @ 0.62% Sn
24	25	1m @ 0.13% Sn

RC4 (46m)

6	10	4m @ 0.23% Sn
22	25	3m @ 0.4% Sn

RC5 (35m)

4	5	1m @ 0.124% Sn
9	10	1m @ 0.215% Sn
22	23	1m @ 0.122% Sn
32	33	1m @ 0.17% Sn

RC6 (10m)

NOT ASSAYED

RC7 (51m)

15	18	3m @ 0.71% Sn
40	44	4m @ 0.53% Sn

RC8 (50m)

21	24	3m @ 0.355% Sn
27	28	1m @ 0.53% Sn
37	39	2m @ 1.25% Sn
39	41	Stope
41	42	1m @ 0.39% Sn

Mount Wells

RC Drilling July 1989

Summary of Results

Meterage
From To

Drillhole Result

RC9 (21m)

Nothing above 0.1% Sn

RC10 (15m)

Nothing above 0.1% Sn

RC11 (51m)

0	5	5m @ 0.64% Sn
19	22	3m @ 0.11% Sn
27	28	1m @ 0.55% Sn
33	34	1m @ 0.68% Sn

RC12 (25m)

7	9	2m @ 0.36% Sn
11	13	2m @ 0.315% Sn (or 7-20m = 13m @ 0.45% Sn)
17	20	3m @ 1.46% Sn

RC13 (63m)

2	3	1m @ 0.15% Sn
10	16	6m @ 0.51% Sn (or 10-28m = 18m @ 0.27% Sn)
27	28	1m @ 1.57% Sn
43	45	2m @ 0.345% Sn
56	57	1m @ 0.13% Sn
62	63	1m @ 0.13% Sn

RC14 (21m)

1	4	3m @ 0.25% Sn
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RC15 (30m)

0	1	1m @ 0.235% Sn
8	11	3m @ 0.36% Sn
19	21	2m @ 0.31% Sn
27	28	1m @ 0.14% Sn

Territory Resources N.L.

Drillhole Record

Area of Operation: Mt Wells

Hole No: RC1

Location: Main Lode

Drilled By: Civil Resources

Reduced Level of Collar:

Geological Log By: Terry Bates

Drilled Length: 51 metres

Sampling By: Terry Bates

Bearing: 290 MN

Date Commenced: 19.7.89

Inclination: 60

Date Completed: 19.7.89

Core Recovery: RC Hammer 4.5"

Intervals (m)		Sn %	Sn ppm	Sample Number	Geological Log	Visible Tin Panned
From	To					
0	1		300	3151	Purple micaceous greywacke	0.1? v weak
1	2		190	3152	Purple micaceous greywacke minor quartz	weak
2	3		260	3153	Quartz with minor micaceous greywacke	1.0 wolfram
3	4		160	3154	Quartz with micaceous greywacke	0.3?
4	5		44	3155	Fe rich greywacke	-
5	6		444	3156	Fe rich greywacke with quartz	0.25?
6	7	0.94		3157	Quartz-tourmaline minor greywacke	1.0+?
7	8		370	3158	micaceous greywacke	0.1?
8	9		150	3159	Fe rich greywacke minor quartz	-
9	10		25	3160	Fe rich greywacke minor quartz	-
10	11		20	3161	Fe rich greywacke minor quartz	-
11	12		70	3162	Quartz & Fe altered, greywacke	-
12	13		35	3163	Quartz & Fe altered, greywacke	-
13	14		15	3164	Fe altered greywacke minor quartz	-
14	15		42	3165	Fe altered greywacke minor quartz	-
15	16		16	3166	Micaceous Fe rich greywacke	-
16	17		35	3167	Micaceous Fe rich greywacke	-
17	18		52	3168	Micaceous Fe rich greywacke	-
18	19		86	3169	Micaceous Fe rich greywacke	0.1
19	20	3.65	4.10	3170	Quartz tourmaline	1.0
20	21	7.60	9.45	3171	Quartz tourmaline (coarse casitterite)	2.5
21	22	0.435		3172	Quartz tourmaline	0.5
22	23	0.320		3173	Quartz tourmaline sericite greywacke	0.3
23	24	0.178		3174	sericite greywacke	0.2
24	25		730	3175	sericite greywacke	Tr
25	26		440	3176	sericite greywacke	Tr
26	27		210	3177	sericite greywacke minor quartz	-
27	28		400	3178	sericite greywacke minor quartz	-
28	29		110	3179	sericite greywacke minor quartz	-
29	30		440	3180	sericite greywacke minor quartz	Tr

Intervals (m)		Sn %	Sn ppm	Sample Number	Geological Log	Visible
From	To					Tin Panned
30	31	0.245		3181	sericite tourmaline altered greywacke	0.1+?
31	32	0.105		3182	sericite Fe rich altered greywacke	0.6 Wolfram
32	33	0.315		3183	sericite Fe rich altered greywacke (greisen) + quartz	0.6
33	34		390	3184	(Blue) greisen (altered greywacke	0.1
34	35		440	3185	micaceous greywacke	-
35	36		210	3186	Silicified greywacke	1%+ Wolfram & Scheelite
36	37		370	3187	Silicified greywacke	Tr
37	38		150	3188	Silicified greywacke	-
38	39		LNR	3189	Silicified greywacke	-
39	40		72	3190	Silicified greywacke red cherty	-
40	41		58	3191	Silicified greywacke (aptite?)	-
41	42		26	3192	Red silicified greywacke (aptite?)	Tr
42	43		370	3193	Purple greywacke	-
43	44	0.128		3194	Purple greywacke	-
44	45		300	3195	Purple greywacke	-
45	46		56	3196	Purple greywacke	-
46	47		28	3197	Purple greywacke	-
47	48		78	3198	Fe rich greywacke	-
48	49		26	3199	Fe rich greywacke + minor quartz	Tr
49	50		20	3200	Fe rich greywacke + minor quartz	Tr
50	51		36	3201	Fe rich greywacke + minor quartz & sericite	Tr

END OF HOLE

Territory Resources N.L.

Drillhole Record

Area of Operation: Mt Wells

Hole No: RC2

Location: Main Lode

Drilled By: Civil Resources

Reduced Level of Collar:

Geological Log By: Terry Bates

Drilled Length: 29.5 metres

Sampling By: Terry Bates

Bearing: 290 MN

Date Commenced: 19.7.89

Inclination: 60

Date Completed: 19.7.89

Core Recovery: RC Hammer 4.5"

<u>Intervals (m)</u>		<u>Sn %</u>	<u>Sn ppm</u>	<u>Sample Number</u>	<u>Geological Log</u>	<u>Visible</u>
<u>From</u>	<u>To</u>					<u>Tin Panned</u>
0	1		185	3202	Greywacke	-
1	2		250	3203	Greywacke	-
2	3		190	3204	sericite altered greywacke	-
3	4		105	3205	Blue quartz in sericite greywacke	Tr
4	5		100	3206	Micaceous greywacke	-
5	6		140	3207	Micaceous greywacke	-
6	7		290	3208	Sericite altered greywacke with quartz tourmaline vein	Tr
7	8		74	3209	Altered purple greywacke	-
8	9		58	3210	Altered purple greywacke	-
9	10	0.134		3211	Green sericite altered greywacke	0.5
10	11		310	3212	Green sericite altered greywacke	Tr
11	12		60	3213	ferrouginous greywacke	-
12	13		65	3214	Green altered (sericite) altered greywacke + quartz	Tr
13	14		370	3215	Quartz vein minor sericite	0.1
14	15		190	3216	ferrouginous greywacke	-
15	16		135	3217	ferrouginous greywacke	-
16	17		28	3218	ferrouginous greywacke	-
17	18		20	3219	ferrouginous greywacke	-
18	19		120	3220	ferrouginous greywacke	Tr
19	20	0.245		3221	Quartz-tourmaline in altered zone	0.2
20	21		470	3222	Quartz - greywacke	0.1
21	22		110	3223	sericite ferrouginous greywacke	Tr
22	23		28	3224	sericite ferrouginous greywacke	Tr
23	24		30	3225	sericite ferrouginous greywacke	Tr
24	25		110	3226	sericite ferrouginous material	-

Intervals (m)				Sample		Visible
From	To	Sn %	Sn ppm	Number	Geological Log	Tin Panned
25	26		42	3227	sericite ferrouginous material	-
26	27		34	3228	sericite ferrouginous material	-
27	28		44	3229	Fe rich greywacke	-
28	29			3230	Stope 1m NO SAMPLE	
29	29.5				Stope 0.5m NO SAMPLE	

END OF HOLE

Territory Resources N.L.

Drillhole Record

Area of Operation: Mt Wells

Hole No: RC3

Location: Main/Intermediate Lode
Gap

Drilled By: Civil Resources CD350

Reduced Level of Collar:

Geological Log By: Terry Bates

Drilled Length: 37 metres

Sampling By: Terry Bates

Bearing: 290 MN

Date Commenced: 20.7.89

Inclination: 60

Date Completed: 20.7.89

Core Recovery: RC Hammer 4.5"

Intervals (m)		Sn %	Sn ppm	Sample Number	Geological Log	Visible
From	To					Tin Panned
0	1	0.162		3231	Veined ferrous greywacke	0.1
1	2		560	3232	Veined ferrous greywacke	0.1
2	3		130	3233	Veined ferrous greywacke	Tr
3	4		125	3234	Greywacke	-
4	5		190	3235	Veined sericite greywacke	0.1
5	6		450	3236	Vein quartz/pyritic minor greywacke	0.1
6	7		400	3237	Vein quartz iron rich	0.3
7	8		270	3238	Quartz-tourmaline minor sericite greisen	0.1
8	9		170	3239	Quartz/tourmaline minor sericite greisen	0.2
9	10	1.22		3240	Quartz/tourmaline minor sericite greisen	0.5
10	11	0.340		3241	Fe rich quartz/tourmaline (coarse cassiterite)	0.4
11	12	0.285		3242	Fe rich quartz/tourmaline (coarse cassiterite)	0.6
12	13		550	3243	Fe rich quartz/tourmaline	Tr
13	14		240	3244	Tourmaline/quartz	0.1
14	15		240	3245	Quartz/tourmaline minor sericite greywacke	0.1
15	16		500	3246	Quartz/tourmaline in sericite greywacke	Tr
16	17		300	3247	hematite greywacke	Tr
17	18		130	3248	hematite greywacke & minor quartz	-
18	19		330	3249	hematite greywacke	-
19	20		145	3250	Hematite greywacke	-
20	21		220	3251	Hematite greywacke	-
21	22		98	3252	Hematite greywacke	-
22	23		30	3253	Hematite greywacke	-
23	24		32	3254	Hematite greywacke	-

Intervals (m)		Sn %	Sn ppm	Sample Number	Geological Log	Visible	
From	To					Tin	Panned
24	25	0.13		3255	Vein quartz in hematite greywacke	-	
25	26		290	3256	Vein quartz in sericite & hematite greywacke	Tr	
26	27		175	3257	sericite altered greywacke minor quartz	-	
27	28		145	3258	sericite altered greywacke minor quartz	-	
28	29		280	3259	sericite altered greywacke minor quartz	Tr	
29	30		32	3260	Micaceous greywacke	-	
30	31		135	3261	Pyritic quartz vein in micaceous greywacke	-	
31	32		38	3262	Chert	-	
32	33		92	3263	Chert micaceous greywacke	-	
33	34		100	3264	Buck quartz micaceous greywacke	-	
34	35		30	3265	Buck quartz micaceous greywacke	-	
35	36		8	3266	Micaceous greywacke	-	
36	37		36	3267	Micaceous greywacke	-	

END OF HOLE

Territory Resources N.L.

Drillhole Record

Area of Operation: Mt Wells

Hole No: RC4

Location: West Lode

Drilled By: Civil Resources CD350

Reduced Level of Collar:

Geological Log By: Terry Bates

Drilled Length: 46 metres

Sampling By: Terry Bates

Bearing: 290 MN

Date Commenced: 20.7.89

Inclination: 60

Date Completed: 20.7.89

Core Recovery: RC Hammer 4.5"

Intervals (m)		Sn %	Sn ppm	Sample Number	Geological Log	Visible
From	To					Tin Panned
0	1		580	3268	Scree	-
1	2		350	3269	Scree + siltstone	-
2	3		150	3270	Micaceous hematite greywacke	-
3	4		52	3271	Micaceous hematite greywacke	-
4	5		44	3272	Micaceous hematite greywacke	-
5	6		96	3273	Micaceous hematite greywacke	-
6	7	0.290		3274	Micaceous hematite greywacke	-
7	8	0.196		3275	Micaceous greywacke (green) + quartz	0.1
8	9	0.225		3276	Micaceous greywacke + quartz	0.1
9	10	0.205		3277	Quartz in greiseous greywacke	0.6
10	11		88	3278	Micaceous greywacke (green)	Tr
11	12		250	3279	Micaceous greywacke (green)	-
12	13		44	3280	Micaceous greywacke (red)	-
13	14		70	3281	Micaceous greywacke (red)	-
14	15		48	3282	Micaceous greywacke (red)	-
15	16		40	3283	Micaceous greywacke (red)	-
16	17		64	3284	Micaceous greywacke (red)	-
17	18			3284	Micaceous greywacke (red)	-
18	19			3284	Micaceous greywacke (red)	-
19	20		390	3287	Greisen (green)	Tr
20	21			3287	Greisen (green)	-
21	22			3287	Greisen (green)	-
22	23	0.405		3290	Greisen (green)	-
23	24			3290	Greisen (green)	-
24	25			3290	Greisen (green) + quartz	-
25	26		48	3293	Greisen (green/red) + quartz	-
26	27			3293	Greisen (green/red)	-
27	28			3293	Greisen (green/red)	-
28	29		48	3296	Greisen (green/red)	-
29	30			3296	Greisen (green/red)	-
30	31			3296	Greisen (green/red)	-
31	32		100	3299	Greisen (green/red) + quartz	-
32	33			3299	Greisen (green/red)	-

<u>Intervals (m)</u>		<u>Sample</u>		<u>Geological Log</u>		<u>Visible</u>
From	To	Sn %	Sn ppm	Number		Tin Panned
33	34		100	3299	Greisen (green/red)	-
34	35		300	3302	Greisen (green/red)	-
35	36			3302	Greisen (green/red)	-
36	37			3302	Greisen (green/red)	-
37	38		125	3305	Greisen (green/red)	-
38	39		760	3306	Greisen (green/red)	-
39	40		46	3307	Greisen (green/red)	-
40	41		165	3308	Greisen (green/red)	-
41	42		440	3309	Greisen (green/red)	-
42	43		430	3310	Greisen (green/red)	-
43	44		185	3311	Greisen (green/red) + quartz	-
44	45		94	3312	Greisen (green/red) + quartz	-
45	46		100	3313	Greisen (green/red) + quartz	-

END OF HOLE

Territory Resources N.L.

Drillhole Record

Area of Operation: Mt Wells

Hole No: RC5

Location: West Lode

Drilled By: Civil Resources CD350

Reduced Level of Collar:

Geological Log By: Terry Bates

Drilled Length: 35 metres

Sampling By: Terry Bates

Bearing: 290 MN

Date Commenced: 20.7.89

Inclination: 60

Date Completed: 20.7.89

Core Recovery: RC Hammer 4.5"

Intervals (m)		Sample		Geological Log	Visible Tin Panned
From	To	Sn %	Sn ppm		
0	1		80	3314 Purple micaceous greywacke	
1	2		45	3315 Purple micaceous greywacke	
2	3		40	3316 Purple micaceous greywacke	
3	4		75	3317 Purple micaceous greywacke	
4	5	0.124		3318 Quartz vein in sericitic zone	
5	6		115	3319 Purple micaceous greywacke	
6	7		80	3320 Purple micaceous greywacke	
7	8		240	3321 Hematitic micaceous greywacke	
8	9		230	3322 Hematitic micaceous greywacke	
9	10	0.215		3323 Quartz vein in sericitic zone	
10	11		320	3324 Quartz vein in sericitic zone	
11	12		380	3325 Hematitic micaceous greywacke	
12	13		230	3326 Hematitic micaceous greywacke	
13	14		65	3327 Hematitic micaceous greywacke	
14	15		88	3328 Hematitic micaceous greywacke	
15	16		16	3329 Hematitic micaceous greywacke	
16	17		34	3330 Hematitic micaceous greywacke	
17	18		58	3331 Hematitic micaceous greywacke	
18	19		180	3332 Hematitic micaceous greywacke	
19	20		130	3333 Hematitic micaceous greywacke	
20	21		94	3334 Hematitic micaceous greywacke	
21	22		150	3335 Hematitic micaceous greywacke	
22	23	0.122		3336 Sericite altered zone	
23	24		400	3337 Sericite altered zone	
24	25		250	3338 Sericite altered zone	
25	26		230	3339 Sericite altered zone	
26	27		230	3340 Sericite altered zone	
27	28		290	3341 Sericite altered zone	
28	29		42	3342 Sericite altered zone	
29	30		170	3343 Sericite altered zone	
30	31		520	3344 Hematitic greisen	
31	32		550	3345 Hematitic greisen	
32	33	0.17		3346 Hematitic greisen	
33	34		120	3347 Micaceous greywacke	
34	35		72	3348 Micaceous greywacke	

END OF HOLE

Territory Resources N.L.

Drillhole Record

Area of Operation: Mt Wells

Hole No: RC6

Location: West Lode

Drilled By: Civil Resources CD350

Reduced Level of Collar:

Geological Log By: Terry Bates

Drilled Length: 10 metres

Sampling By: Terry Bates

Bearing: 290 MN

Date Commenced: 20.7.89

Inclination: 60

Date Completed: 20.7.89

Core Recovery: RC Hammer 4.5"

Intervals (m)		Sample		Geological Log	Visible Tin Panned
From	To	Sn %	Sn ppm		
0	1		3349	Purple micaceous greywacke	-
1	2		3350	Purple micaceous greywacke	-
2	3		3351	Purple micaceous greywacke	-
3	4		3352	Purple micaceous greywacke	-
4	5		3353	Purple micaceous greywacke	-
5	6		3354	Green micaceous greywacke	
6	7		3355	Green micaceous greywacke + blue vein quartz	Tr
7	8		3356	Green micaceous greywacke + blue vein quartz	Tr
8	9		3357	Green micaceous greywacke + quartz	-
9	10		3358	Purple micaceous greywacke	-
10	11			Stope	

END OF HOLE

Territory Resources N.L.

Drillhole Record

Area of Operation: Mt Wells

Hole No: RC7

Location: West Lode

Drilled By: Civil Resources CD350

Reduced Level of Collar:

Geological Log By: Terry Bates

Drilled Length: 51 metres

Sampling By: Terry Bates

Bearing: 290 MN

Date Commenced: 20.7.89

Inclination: 60

Date Completed: 20.7.89

Core Recovery: RC Hammer 4.5"

Intervals (m)		Sn %	Sn ppm	Sample Number	Geological Log	Visible
From	To					Tin Panned
0	1		185	3361	Purple micaceous greywacke	-
1	2		440	3362	Purple micaceous greywacke	-
2	3		360	3363	Purple micaceous greywacke	Tr
3	4		40	3364	Green/purple micaceous greywacke	-
4	5		42	3365	Green/purple micaceous greywacke	-
5	6		34	3366	Green/purple micaceous greywacke	-
6	7		72	3367	Green/purple micaceous greywacke	-
7	8		88	3368	Ferrous sericite greywacke	-
8	9		62	3369	Ferrous sericite greywacke	-
					+ minor quartz	
9	10		58	3370	Quartz	-
10	11		98	3371	Green sericite greywacke	-
11	12		78	3372	Green sericite greywacke	-
12	13		50	3373	Green sericite greywacke	-
13	14		35	3374	Green sericite greywacke	-
14	15		26	3375	Green sericite greywacke	-
15	16	0.146		3376	Green sericite greywacke + minor quartz	0.25
16	17	1.57		3377	Vein quartz (coarse cassiterite)	1.5
17	18	0.405		3378	Ferrous greisen	0.25
18	19		350	3379	Ferrous greisen	Tr
19	20		670	3380	Green greisen	0.1
20	21		400	3381	Green greisen	Tr
21	22		200	3382	Green greisen	-
22	23		70	3383	Green greisen	-
23	24		68	3384	Green/brown hematite greisen	-
24	25		70	3385	Hematite material	-
25	26		98	3386	sericite (green) greywacke	-
26	27		120	3387	sericite (green) greywacke	-
27	28		155	3388	Clay/sericite altered greywacke	-
28	29		50	3389	Clay/sericite altered greywacke	-

Intervals (m)		Sn %	Sn ppm	Sample Number	Geological Log	Visible
From	To					Tin Panned
29	30		38	3390	Clay/sericite altered greywacke	-
30	31		175	3391	Green sericite altered greywacke	-
31	32		190	3392	Green sericite altered greywacke	-
32	33		54	3393	Green sericite altered greywacke	-
33	34		100	3394	Ferrous green sericite altered greywacke	-
34	35		140	3395	Tourmaline sericite altered rock	Tr
35	36		140	3396	Clay sericite altered greywacke slope	-
36	37			3397	Slope (2.5m)	
37	38			3398	Slope (2.5m)	
38	39		190	3399	Altered (sericite hematite) sediment	Tr
39	40		630	3400	Altered (sericite hematite) sediment	0.2
40	41	1.55		3401	Quartz & altered (sericite hematite) greywacke (coarse cassiterite)	1.5
41	42	0.325		3402	Quartz & altered (sericite hematite) greywacke (coarse cassiterite)	1.0
42	43		290	3403	Green sericite clay altered greywacke	Tr
43	44	0.205		3404	Green sericite clay altered greywacke	0.3
44	45		800	3405	Fe rich green sericite clay altered greywacke	0.1
45	46		200	3406	Fe rich green sericite clay altered greywacke	0.1
46	47		74	3407	Fe rich green sericite clay altered greywacke	-
47	48		180	3408	Tourmaline sericite altered greywacke	-
48	49		130	3409	Hematite sericite altered greywacke	Tr
49	50		54	3410	Hematite sericite altered greywacke	-
50	51		85	3411	Hematite sericite altered greywacke	-

END OF HOLE

Territory Resources N.L.

Drillhole Record

Area of Operation: Mt Wells

Hole No: RC8

Location: West Lode

Drilled By: Civil Resources CD350

Reduced Level of Collar:

Geological Log By: Terry Bates

Drilled Length: 50 metres

Sampling By: Terry Bates

Bearing: 290 MN

Date Commenced: 21.7.89

Inclination: 60

Date Completed: 21.7.89

Core Recovery: RC Hammer 4.5"

Intervals (m)		Sn %	Sn ppm	Sample Number	Geological Log	Visible
From	To					Tin Panned
0	1		135	3412	Purple micaceous greywacke	-
1	2		94	3413	Purple micaceous greywacke	-
2	3		90	3414	Purple micaceous greywacke + quartz	-
3	4		58	3415	Purple micaceous greywacke	-
4	5		68	3416	Purple micaceous greywacke	-
5	6		65	3417	Purple micaceous greywacke	-
6	7		52	3418	Purple micaceous greywacke	-
7	8		40	3419	Purple micaceous greywacke	-
8	9		78	3420	Purple micaceous greywacke + quartz	-
9	10		88	3421	Quartz vein + micaceous greywacke	-
10	11		150	3422	Quartz vein	-
11	12		46	3423	Green/red micaceous greywacke	-
12	13		40	3424	Hematite micaceous greywacke	-
13	14		62	3425	Hematite micaceous greywacke	-
14	15		15	3426	Hematite micaceous greywacke	-
15	16		26	3427	Hematite micaceous greywacke	-
16	17		105	3428	Clay/sericite altered greywacke	-
17	18		185	3429	Clay/sericite altered greywacke	-
18	19		320	3430	Clay/sericite altered greywacke	-
19	20		160	3431	Clay/sericite altered greywacke + quartz	0.1
20	21		290	3432	Clay/sericite altered greywacke + quartz	Tr
21	22	0.114		3433	Hematite minor quartz	0.3
22	23	0.87		3434	Hematite minor quartz	1.0
23	24		810	3435	Hematite clay altered rock	0.2
24	25		430	3436	Hematite clay altered rock	Tr
25	26		140	3437	Tourmaline/hematite clay altered rock	Tr

Intervals (m)		Sn %	Sn ppm	Sample Number	Geological Log	Visible
From	To					Tin Panned
26	27		620	3438	Hematite minor tourmaline rock	0.1
27	28	0.53		3439	Hematite minor tourmaline rock	1.0
28	29		230	3440	Hematite minor tourmaline rock	0.1
29	30		94	3441	Green clay/sericite rock	-
30	31		46	3442	Clay/sericite altered greywacke	-
31	32		80	3443	Clay/sericite altered greywacke	-
32	33		175	3444	Hematite/sericite altered greywacke	-
33	34		330	3445	sericite (green) altered greywacke	-
34	35		420	3446	Green sericite clay rock	Tr
35	36		160	3447	Green sericite clay rock	Tr
36	37		640	3448	Clay/sericite quartz tourmaline	0.3
37	38	2.0		3449	Clay/sericite tourmaline cassiterite rock	2.5
38	39	0.5		3450	Clay/sericite rock/stope	1.0
39	40			3451	Stope open	-
40	41			3452	Stope open	-
41	42	0.38		3453	Stope/backfill	0.8
42	43		350	3454	Stope/backfill	0.1
43	44		390	3455	Sericite (green) altered rock	-
44	45		400	3456	Sericite (green) altered rock + major quartz vein	0.1
45	46		320	3457	Hematite sericite rock + quartz	Tr
46	47		240	3458	Hematite sericite rock + quartz	-
47	48		82	3459	Hematite sericite rock + quartz	-
48	49		105	3460	Sericite greywacke	-
49	50		55	3461	Sericite greywacke	-

END OF HOLE

Territory Resources N.L.

Drillhole Record

Area of Operation: Mt Wells

Hole No: RC9

Location: North West Lode

Drilled By: Civil Resources CD350

Reduced Level of Collar:

Geological Log By: Terry Bates

Drilled Length: 21 metres

Sampling By: Terry Bates

Bearing: 110

Date Commenced: 21.7.89

Inclination: 60

Date Completed: 21.7.89

Core Recovery: RC Hammer 4.5"

Intervals (m)				Sample	Geological Log	Visible
From	To	Sn %	Sn ppm	Number		Tin Panned
0	1		72	3462	Clay alteration	-
1	2		30	3463	Clay alteration	-
2	3		46	3464	Clay alteration	-
3	4		18	3465	Clay alteration	-
4	5		64	3466	Clay alteration	-
5	6		98	3467	Limomitic clay altered rock	-
6	7		400	3468	Clay alteration + sericite limomite	-
7	8		95	3469	Clay alteration + sericite limomite	-
8	9		95	3470	Clay alteration + sericite limomite + quartz	-
9	10		48	3471	Sericite altered greywacke	-
10	11		28	3472	Sericite altered greywacke	-
11	12		35	3473	Sericite altered greywacke	-
12	13		105	3474	Greisen + quartz	-
13	14		50	3475	Greisen	-
14	15		46	3476	Greisen	-
15	16		52	3477	Greisen	-
16	17		65	3478	Greisen + quartz	-
17	18		38	3479	Silicified greisen	-
18	19		42	3480	Silicified greisen	-
19	20		74	3481	Silicified greisen	-
20	21		34	3482	Greywacke	-

END OF HOLE

Territory Resources N.L.

Drillhole Record

Area of Operation: Mt Wells

Hole No: RC10

Location: West Lode

Drilled By: Civil Resources CD350

Reduced Level of Collar:

Geological Log By: Terry Bates

Drilled Length: 15 metres

Sampling By: Terry Bates

Bearing: 140

Date Commenced: 21.7.89

Inclination: 60

Date Completed: 21.7.89

Core Recovery: RC Hammer 4.5"

Intervals (m)				Sample	Geological Log	Visible
From	To	Sn %	Sn ppm	Number		Tin Panned
0	1		42	3483	Purple micaceous greywacke	-
1	2		38	3484	Purple micaceous greywacke	-
2	3		54	3485	Purple micaceous greywacke	-
3	4		65	3486	Purple micaceous greywacke + minor quartz	-
4	5		105	3487	Purple micaceous greywacke + quartz	-
5	6		16	3488	Purple micaceous greywacke	-
6	7		18	3489	Purple micaceous greywacke	-
7	8		35	3490	Purple micaceous greywacke	-
8	9		250	3491	Purple micaceous greywacke + quartz rich leader no tin	Tr
9	10		430	3492	Ferrous greisen + quartz	-
10	11		36	3493	Quartz	-
11	12		16	3494	Purple micaceous greywacke + quartz	-
12	13		15	3495	Purple micaceous greywacke + quartz	-
13	14		30	3496	Purple micaceous greywacke + quartz	-
14	15		6	3497	Purple micaceous greywacke + quartz	-

END OF HOLE

Territory Resources N.L.

Drillhole Record

Area of Operation: Mt Wells

Hole No: RC11

Location: Main/Intermediate Gap

Drilled By: Civil Resources CD350

Reduced Level of Collar:

Geological Log By: Terry Bates

Drilled Length: 51 metres

Sampling By: Terry Bates

Bearing: 110

Date Commenced: 20.7.89

Inclination: 60

Date Completed: 20.7.89

Core Recovery: RC Hammer 4.5"

Intervals (m)		Sn %	Sn ppm	Sample Number	Geological Log	Visible
From	To					Tin Panned
0	1	0.67		3498	Sericite altered greywacke	-
1	2		870	3499	Sericite altered greywacke + minor quartz	0.1
2	3	0.395		3500	Vein quartz in sericitic greywacke	0.8
3	4	0.280		3501	Vein quartz in sericitic greywacke	0.4
4	5	1.76		3502	Vein quartz in sericitic greywacke	0.8
5	6		800	3503	Clay sericite altered rock	0.2
6	7		380	3504	Clay sericite altered rock	0.1
7	8		210	3505	Hematite sericite altered rock	-
8	9		110	3506	Hematite sericite altered rock	-
9	10		48	3507	Hematite sericite altered rock	-
10	11		220	3508	Clay/sericite altered rock	Tr
11	12		280	3509	Clay/sericite altered rock + vein quartz	Tr
12	13		220	3510	Clay/sericite altered rock + vein quartz	Tr
13	14		120	3511	Clay/sericite altered hematite	-
14	15		84	3512	Clay/sericite altered hematite	-
15	16		350	3513	Clay/sericite altered hematite	0.1
16	17		260	3514	Clay/sericite rock	-
17	18		100	3515	Clay/sericite rock	-
18	19		105	3516	Quartz/tourmaline rock	-
19	20	0.118		3517	Quartz/tourmaline rock	0.3
20	21		210	3518	Quartz/tourmaline rock	0.2
21	22	0.188		3519	Quartz/tourmaline rock + coarse cassiterite	0.5

Intervals (m)		Sn %	Sn ppm	Sample Number	Geological Log	Visible
From	To					Tin Panned
22	23		330	3520	Sericite/clay rock + quartz	Tr
23	24		140	3521	Sericite/clay rock + quartz	Tr
24	25		220	3522	Sericite/clay rock + quartz minor hematite	-
25	26		115	3523	Hematite clay/sericite altered sediment	-
26	27		92	3524	Hematite clay/sericite altered sediment	-
27	28	0.55		3525	Hematite greisen	0.5+
28	29		820	3526	Hematite greisen	Tr
29	30		370	3527	Hematite greisen	Tr
30	31		200	3528	Greisen minor hematite + clay	-
31	32		115	3529	Greisen minor hematite + clay	-
32	33		650	3530	Greisen minor hematite + clay	-
33	34	0.68		3531	Greisen minor hematite + clay	-
34	35		470	3532	Greisen minor hematite + clay	-
35	36		460	3533	Clay sericite rock	-
36	37		140	3534	Quartz sericite rock	0.1
37	38		790	3535	Quartz sericite clay rock	Tr
38	39		330	3536	Hematite sericite rock	Tr
39	40		300	3537	Hematite sericite silicified rock	-
40	41		240	3538	Hematite sericite silicified rock	-
41	42		610	3539	Hematite sericite silicified rock	-
42	43		240	3540	Hematite sericite silicified rock	-
43	44		450	3541	Hematite sericite silicified rock	-
44	45		185	3542	Hematite sericite silicified rock	-
45	46		115	3543	Clay sericite rock	-
46	47		50	3544	Clay sericite rock	Tr
47	48		62	3545	Silicified (sericite) rock (green)	-
48	49		35	3546	Silicified (sericite) rock (green)	-
49	50		28	3547	Silicified rock (black)	-
50	51		22	3548	Silicified rock (black)	-

END OF HOLE

Territory Resources N.L.

Drillhole Record

Area of Operation: Mt Wells

Hole No: RC12

Location: West Lode

Drilled By: Civil Resources CD350

Reduced Level of Collar:

Geological Log By: Terry Bates

Drilled Length: 25 metres

Sampling By: Terry Bates

Bearing: 110

Date Commenced: 20.7.89

Inclination: 60

Date Completed: 20.7.89

Core Recovery: RC Hammer 4.5"

Intervals (m)		Sn %	Sn ppm	Sample Number	Geological Log	Visible
From	To					Tin Panned
0	1		270	3549	Micaceous siltstone	-
1	2		270	3550	Micaceous siltstone	Tr
2	3		115	3551	Micaceous siltstone	-
3	4		100	3552	Purple micaceous siltstone	-
4	5		35	3553	Purple micaceous siltstone	-
5	6		92	3554	Sericite siltstone	-
6	7		115	3555	Sericite siltstone	-
7	8	0.142		3556	Quartz/tourmaline altered siltstone	0.1
8	9	0.58		3557	Quartz/tourmaline altered siltstone	0.25
9	10		230	3558	Quartz/tourmaline altered siltstone	0.1
10	11		110	3559	Quartz/tourmaline altered siltstone	-
11	12	0.345		3560	Quartz/tourmaline altered siltstone	0.5
12	13	0.285		3561	Quartz minor tourmaline	0.3
13	14		570	3562	Tourmaline minor quartz	0.1
14	15		82	3563	Clay/sericite altered greywacke	-
15	16		190	3564	Mottled clay/sericite tourmaline rock	-
16	17		165	3565	Mottled clay/sericite tourmaline rock	-
17	18	2.8		3566	Purple clay/sericite minor quartz	1.0+
18	19	0.59		3567	Quartz minor clay sericite rock	0.7
19	20	0.99		3568	Quartz minor clay sericite rock	0.5
20	21			3569	Stope NO SAMPLE	
21	22			3570	Stope NO SAMPLE	
22	23			3571	Stope NO SAMPLE	
23	24			3572	Stope NO SAMPLE	

END OF HOLE

Territory Resources N.L.

Drillhole Record

Area of Operation: Mt Wells

Hole No: RC13

Location: West Lode

Drilled By: Civil Resources CD350

Reduced Level of Collar:

Geological Log By: Terry Bates

Drilled Length: 63 metres

Sampling By: Terry Bates

Bearing: 290

Date Commenced: 22.7.89

Inclination: 70

Date Completed: 22.7.89

Core Recovery: RC Hammer 4.5"

Intervals (m)		Sn %	Sn ppm	Sample Number	Geological Log	Visible
From	To					Tin Panned
0	1		310	3573	Purple micaceous greywacke	-
1	2		60	3574	Purple micaceous greywacke	-
2	3	0.15		3575	Purple micaceous greywacke	0.1
3	4		170	3576	Clay/sericite altered greywacke	0.1
4	5		36	3577	Clay/sericite altered greywacke + minor quartz	Tr
5	6		26	3578	Clay/sericite altered greywacke + minor quartz	-
6	7		78	3579	Quartz/tourmaline in hematite greywacke	-
7	8		120	3580	Quartz/tourmaline in hematite greywacke	-
8	9		70	3581	Hematite micaceous greywacke	-
9	10		98	3582	Hematite micaceous greywacke	Tr
10	11	0.315		3583	Quartz in sericitic rock	0.7
11	12		440	3584	Clay/sericite rock	Tr
12	13	0.34		3585	Quartz in clay/sericite rock	0.9
13	14		850	3586	Quartz in clay/sericite rock	0.1
14	15	1.46		3587	Quartz in clay/sericite rock	1.2+
15	16	0.84		3588	Quartz in clay/sericite rock	1.2
16	17		210	3589	Clay/sericite rock	Tr
17	18		56	3590	Hematite/sericite rock	Tr
18	19		28	3591	Hematite/sericite rock	Tr
19	20		44	3592	Hematite/sericite rock	Tr
20	21		40	3593	Hematite/sericite rock	Tr
21	22		32	3594	Hematite/sericite rock	Tr
22	23		66	3595	Hematite/sericite rock	-
23	24		40	3596	Clay/sericite rock	-
24	25		44	3597	Sericite rock	-
25	26		68	3598	Sericite rock	-
26	27		620	3599	Quartz/tourmaline in sericitic rock	Tr
27	28	1.57		3600	Quartz/tourmaline in sericitic rock	0.8

Intervals (m)		Sn %	Sn ppm	Sample Number	Geological Log	Visible
From	To					Tin Panned
28	29		640	3601	Hematite sericite rock	Tr
29	30		135	3602	Hematite sericite rock	-
30	31		165	3603	Hematite sericite rock	-
31	32		40	3604	Hematite sericite rock	-
32	33		150	3605	Hematite sericite rock	-
33	34		72	3606	Hematite sericite rock	-
34	35		120	3607	Hematite sericite rock + quartz (buck)	-
35	36		48	3608	Hematite sericite rock + quartz (buck)	-
36	37		32	3609	Hematite sericite rock + quartz (buck)	-
37	38		22	3610	Hematite sericite rock + quartz (buck)	-
38	39		44	3611	Silicified sericitic rock + minor quartz	-
39	40		260	3612	Silicified sericitic rock + minor quartz	-
40	41		250	3613	Silicified sericitic rock + minor quartz	-
41	42		210	3614	Tourmaline/quartz	Tr
42	43		200	3615	Tourmaline/quartz hematite	Tr
43	44	0.53		3616	Tourmaline/quartz hematite	Tr
44	45	0.16		3617	Tourmaline/quartz hematite	Tr
45	46		120	3618	Greisen	-
46	47		160	3619	Greisen	-
47	48		370	3620	Greisen	-
48	49		74	3621	Greisen	-
49	50		84	3622	Tourmaline rich greisen	-
50	51		105	3623	Tourmaline rich greisen	-
51	52		165	3624	Silicified sericite rich rock	-
52	53		64	3625	Silicified sericite rich rock	-
53	54		72	3626	Silicified sericite rich rock	-
54	55		66	3627	Silicified sericite rock	-
55	56		82	3628	Silicified sericite rock	0.2
56	57	0.13		3629	Silicified sericite rock	-
57	58		290	3630	Quartz	-
58	59		220	3631	Quartz	Tr
59	60		210	3632	Silicified (green) rock	-
60	61		190	3633	Silicified (green) rock	-
61	62		62	3634	Silicified (green) rock	-
62	63	0.128		3635	Silicified (green) rock	-

END OF HOLE

Territory Resources N.L.

Drillhole Record

Area of Operation: Mt Wells

Hole No: RC14

Location: Main Lode

Drilled By: Civil Resources CD350

Reduced Level of Collar: .

Geological Log By: Terry Bates

Drilled Length: 21 metres

Sampling By: Terry Bates

Bearing: 290

Date Commenced: 22.7.89

Inclination: 60

Date Completed: 22.7.89

Core Recovery: RC Hammer 4.5"

Intervals (m)		Sn %	Sn ppm	Sample Number	Geological Log	Visible
From	To					Tin Panned
0	1		340	3636	Greywacke	-
1	2	0.285		3637	Blue quartz in greywacke	0.25
2	3	0.275		3638	Vein quartz	0.3
3	4	0.182		3639	Vein quartz & hematite	0.5
4	5		82	3640	Sericite silicified rock	-
5	6		250	3641	Sericite silicified rock	0.1
6	7		510	3642	Vein quartz (buck white)	Wolfram
7	8		145	3643	Sericitic silicified greywacke + quartz	-
8	9		260	3644	Sericitic silicified greywacke + quartz	-
9	10		56	3645	Hematite sericite altered greywacke	-
10	11		100	3646	Hematite sericite altered greywacke	-
11	12		92	3647	Hematite sericite altered greywacke	-
12	13		40	3648	Hematite sericite altered greywacke	-
13	14		180	3649	Hematite sericite altered greywacke	-
14	15		44	3650	Hematite sericite altered greywacke	-
15	16		34	3651	Hematite sericite altered greywacke	-
16	17		52	3652	Hematite sericite altered greywacke	-
17	18		98	3653	Hematite sericite altered greywacke + minor quartz	-
18	19		24	3654	Stope	-
19	20			3655	Stope NO SAMPLE	-
20	21			3656	Stope NO SAMPLE	-

END OF HOLE

Territory Resources N.L.

Drillhole Record

Area of Operation: Mt Wells

Hole No: RC15

Location: Main Lode

Drilled By: Civil Resources CD350

Reduced Level of Collar:

Geological Log By: Terry Bates

Drilled Length: 30 metres

Sampling By: Terry Bates

Bearing: 290

Date Commenced: 22.7.89

Inclination: 60

Date Completed: 22.7.89

Core Recovery: RC Hammer 4.5"

Intervals (m)		Sn %	Sn ppm	Sample Number	Geological Log	Visible
From	To					Tin Panned
0	1	0.235		3657	Hematite/sericite rich greywacke	-
1	2		790	3658	Hematite/sericite rich greywacke + vein quartz	-
2	3		260	3659	Hematite/sericite/clay altered greywacke	-
3	4		22	3660	Hematite/sericite altered greywacke	-
4	5		85	3661	Hematite/sericite altered greywacke	-
5	6		26	3662	Hematite/sericite altered greywacke	-
6	7		14	3663	Hematite/sericite altered greywacke	-
7	8		320	3664	Green sericite quartz rock	0.1
8	9	0.44		3665	Green sericite quartz rock	0.3
9	10		890	3666	Green sericite quartz rock	0.1
10	11	0.54		3667	White quartz coarse cassiterite	1.0
11	12		880	3668	White quartz coarse cassiterite	0.2
12	13		480	3669	White quartz coarse cassiterite	0.3
13	14		590	3670	Sericite/quartz	0.1
14	15		480	3671	Chlorite/sericite/ tourmaline + minor quartz	Tr
15	16		220	3672	Chlorite/sericite/ tourmaline + minor quartz	Tr
16	17		220	3673	Chlorite/sericite/ tourmaline + minor quartz	-
17	18		95	3674	Hematite sericite altered greywacke	-
18	19		280	3675	Hematite sericite altered greywacke + quartz	Tr

Intervals (m)		Sn %	Sn ppm	Sample Number	Geological Log	Visible
From	To					Tin Panned
19	20	0.275		3676	Tourmaline/sericite alteration + quartz	0.5
20	21	0.34		3677	Tourmaline/sericite alteration + quartz	0.3
21	22		660	3678	Tourmaline/sericite alteration + quartz	0.2
22	23		250	3679	Hematite clay/sericite altered greywacke	-
23	24		260	3680	Hematite clay/sericite altered greywacke	-
24	25		180	3681	Hematite clay/sericite + buck quartz	-
25	26		78	3682	Hematite clay/sericite + buck quartz	-
26	27		520	3683	Tourmaline/sericitic quartz	-
27	28	0.142		3684	Clay/sericite altered greywacke	0.2
28	29		115	3685	Hematite/sericite + minor blue quartz	-
29	30		50	3686	Hematite/sericite + minor blue quartz	-

END OF HOLE

