



Australian Laboratory Services Pty. Ltd.
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Account: TNTMIN

CERTIFICATE BU17005907

Project: TNT_272004_0117

This report is for 67 Drill Core samples submitted to our lab in Burnie, TAS, Australia on 12-JAN-2017.

The following have access to data associated with this certificate:

ANDREW DRUMMOND

ROBERT REID

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LEV-01	Waste Disposal Levy
PUL-QC	Pulverizing QC Test
CRU-21	Crush entire sample >70% -6 mm
PUL-31b	Pulv. Lg split to >80% -75um

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Ag-OG62	Ore Grade Ag - Four Acid	ICP-AES
ME-OG62	Ore Grade Elements - Four Acid	ICP-AES
Zn-OG62	Ore Grade Zn - Four Acid	ICP-AES
ME-XRF15d	Sulphide BM Conc. by XRF	XRF
ME-ICP61	33 element four acid ICP-AES	ICP-AES

To: TNT MINES LTD
ATTN: ROBERT REID
SUITE 50
NARABANG WAY
BELROSE NSW 2085

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

***** See Appendix Page for comments regarding this certificate *****

Signature:

Ricky Gelston, Laboratory Manager, Burnie



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Sample Description	Method Analyte Units LOR	WEI-21 Recvd Wt. kg 0.02	ME-XRF15d Sn % 0.01	ME-XRF15d WO3 % 0.01	ME-ICP61 Ag ppm 0.5	ME-ICP61 Al % 0.01	ME-ICP61 As ppm 5	ME-ICP61 Ba ppm 10	ME-ICP61 Be ppm 0.5	ME-ICP61 Bi ppm 2	ME-ICP61 Ca % 0.01	ME-ICP61 Cd ppm 0.5	ME-ICP61 Co ppm 1	ME-ICP61 Cr ppm 1	ME-ICP61 Cu ppm 1	ME-ICP61 Fe % 0.01
711328		1.97	<0.01	<0.01	<0.5	5.66	68	620	9.4	3	0.15	1.6	11	48	22	2.07
711329		2.53	<0.01	<0.01	<0.5	4.74	76	510	11.4	2	0.08	2.1	8	39	51	1.90
711330		2.37	<0.01	<0.01	<0.5	2.44	234	260	5.9	5	0.03	1.3	1	18	17	1.14
711331		1.95	<0.01	<0.01	<0.5	2.06	32	200	4.5	5	0.01	0.9	1	16	14	0.99
711332		1.73	<0.01	<0.01	<0.5	2.19	56	230	5.2	4	0.02	3.0	1	18	25	1.10
711333		2.13	<0.01	<0.01	<0.5	4.24	32	430	7.6	2	0.12	3.2	7	37	36	1.59
711334		2.12	<0.01	<0.01	<0.5	5.75	13	710	11.4	3	0.15	1.3	10	49	43	2.37
711335		2.42	<0.01	<0.01	<0.5	6.57	20	720	12.3	<2	0.10	1.7	9	56	32	2.34
711336		1.92	<0.01	<0.01	<0.5	7.05	41	780	16.5	4	0.19	0.6	12	63	42	2.90
711337		2.48	<0.01	0.01	<0.5	7.91	28	920	57.8	2	0.33	<0.5	14	70	30	3.86
711338		2.53	0.22	<0.01	<0.5	7.35	12	880	26.7	5	0.26	4.2	12	63	76	3.43
711339		2.18	0.02	<0.01	3.0	7.90	334	900	21.7	7	0.28	29.0	13	67	270	3.63
711340		3.50	<0.01	<0.01	0.7	7.25	11	830	22.9	<2	0.22	2.9	11	59	81	3.11
711341		2.33	<0.01	<0.01	<0.5	6.09	74	620	35.0	<2	0.31	<0.5	11	53	41	2.48
711342		2.40	<0.01	<0.01	<0.5	7.77	84	880	25.3	<2	0.24	0.5	11	66	62	3.18
711343		1.65	<0.01	<0.01	<0.5	5.15	24	560	18.9	<2	0.18	<0.5	7	37	58	2.31
711344		0.53	8.90	0.01	1.9	4.10	<5	310	9.0	2	0.18	5.3	2	27	93	2.22
711345		0.96	<0.01	<0.01	<0.5	3.52	32	250	17.0	<2	0.28	1.1	5	27	23	1.61
711346		2.37	<0.01	<0.01	<0.5	2.43	9	180	7.6	<2	0.22	0.5	3	22	17	1.42
711347		2.08	<0.01	<0.01	0.6	2.25	36	180	7.4	<2	0.48	3.5	3	17	40	1.21
711348		2.28	<0.01	<0.01	<0.5	3.25	19	300	12.1	5	0.31	1.9	6	28	27	1.60
711349		2.31	0.17	<0.01	0.8	2.39	60	200	15.2	5	0.52	25.0	2	19	29	1.58
711350		2.24	<0.01	<0.01	<0.5	2.72	88	240	11.6	<2	0.33	7.1	3	23	17	1.50
711351		2.14	<0.01	<0.01	<0.5	4.24	10	440	6.9	<2	0.28	0.6	6	34	5	2.12
711352		2.27	<0.01	<0.01	<0.5	4.40	7	440	15.4	<2	0.40	<0.5	7	34	16	1.80
711353		2.44	<0.01	<0.01	<0.5	3.95	22	370	23.8	<2	0.19	<0.5	8	34	7	2.30
711354		2.35	<0.01	<0.01	<0.5	7.18	96	920	29.3	<2	0.21	<0.5	14	62	50	2.85
711355		1.54	<0.01	<0.01	<0.5	3.44	13	340	11.1	<2	0.25	<0.5	5	26	50	1.83
711356		2.34	<0.01	<0.01	<0.5	4.44	15	370	12.2	<2	0.30	<0.5	5	37	14	2.01
711357		2.08	<0.01	<0.01	0.7	6.23	48	670	19.2	3	0.30	10.1	10	53	55	2.71
711358		2.19	<0.01	0.01	1.0	6.89	13	740	16.0	<2	0.21	2.9	10	58	147	2.99
711359		0.51	0.64	6.30	25.7	6.47	31	340	13.0	20	0.27	441	21	47	614	5.22
711360		1.68	0.19	0.03	21.1	8.97	15	800	18.3	8	0.25	137.5	14	71	896	4.71
711361		1.41	<0.01	<0.01	3.0	8.11	17	870	17.7	2	0.20	0.7	12	70	216	3.56
711362		2.12	0.01	<0.01	4.2	2.75	65	270	8.0	5	0.34	17.1	6	20	219	1.88
711363		2.13	0.01	0.01	2.2	5.77	123	580	13.5	<2	0.26	8.1	8	46	133	2.51
711364		2.85	0.07	<0.01	2.7	6.32	44	680	14.3	5	0.20	10.8	9	52	198	2.74
711365		2.36	<0.01	0.01	1.7	6.30	15	680	14.3	<2	0.20	4.6	9	50	163	2.65
711366		1.91	0.01	<0.01	3.9	4.61	100	450	9.7	7	0.13	21.4	8	36	204	2.10
711367		0.54	0.78	1.64	>100	4.22	44	50	8.8	772	0.50	355	28	28	2360	12.25



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711328		20	2.60	30	0.70	262	<1	0.12	26	580	8	0.36	<5	9	86	20
711329		10	2.53	30	0.61	339	<1	0.10	17	400	9	0.69	<5	7	54	<20
711330		10	1.39	20	0.23	281	<1	0.03	3	210	8	0.13	<5	3	26	<20
711331		10	1.02	20	0.19	153	<1	0.03	3	110	11	0.13	<5	3	35	<20
711332		10	1.18	20	0.21	198	<1	0.03	4	110	15	0.24	<5	3	39	<20
711333		10	2.05	30	0.42	196	<1	0.06	14	400	7	0.31	<5	6	64	<20
711334		20	3.04	40	0.74	233	<1	0.12	22	510	5	0.88	<5	9	64	20
711335		20	3.18	40	0.84	234	<1	0.18	23	520	19	0.55	<5	11	80	20
711336		20	3.55	40	0.91	424	1	0.10	28	600	8	0.36	<5	12	74	20
711337		20	4.02	40	1.32	670	<1	0.21	37	550	8	0.67	<5	14	88	20
711338		20	3.96	40	1.18	688	<1	0.18	33	560	5	0.41	<5	12	85	20
711339		30	4.34	40	1.21	879	1	0.18	38	650	6	0.80	<5	13	83	20
711340		20	3.82	40	1.06	694	<1	0.19	31	560	3	0.61	<5	11	73	20
711341		20	3.23	30	0.78	674	11	0.21	70	730	5	0.53	<5	8	75	20
711342		20	3.87	40	1.15	653	<1	0.24	34	540	2	0.74	<5	13	88	20
711343		10	2.85	30	0.70	560	<1	0.13	17	480	5	0.58	<5	7	55	<20
711344		20	2.08	20	0.43	926	<1	0.13	9	800	7	0.40	<5	4	55	<20
711345		10	1.34	30	0.39	391	1	0.68	10	370	4	0.25	<5	5	57	<20
711346		10	0.93	20	0.26	377	1	0.55	6	320	5	0.16	<5	4	38	<20
711347		10	1.08	20	0.22	347	<1	0.20	6	320	3	0.24	<5	3	39	<20
711348		10	1.35	30	0.35	473	1	0.64	11	470	5	0.22	<5	5	49	<20
711349		10	1.22	20	0.25	591	<1	0.19	5	440	5	0.33	<5	3	42	<20
711350		10	1.05	20	0.28	430	1	0.69	7	380	3	0.15	<5	4	53	<20
711351		10	1.72	30	0.52	552	<1	1.02	13	480	6	0.04	<5	6	113	20
711352		10	1.92	30	0.52	359	<1	0.94	14	490	2	0.11	<5	6	67	<20
711353		10	1.56	30	0.57	411	<1	0.98	14	390	5	0.07	<5	6	68	<20
711354		20	3.82	30	1.08	585	<1	0.20	35	530	9	0.55	<5	12	73	20
711355		10	1.72	30	0.43	419	<1	0.05	11	340	4	0.49	<5	4	36	<20
711356		10	1.71	30	0.49	345	<1	0.10	13	420	4	0.14	<5	7	58	<20
711357		20	3.17	30	0.85	640	<1	0.19	23	620	7	0.48	<5	10	73	20
711358		20	3.62	40	1.03	831	<1	0.21	31	650	5	0.82	<5	11	71	20
711359		20	3.14	30	0.87	7950	1	0.23	37	1090	6	3.49	<5	9	88	20
711360		40	4.73	30	1.19	1780	<1	0.29	39	1300	9	2.12	<5	12	93	20
711361		30	4.37	30	1.21	1380	<1	0.23	38	670	5	0.96	<5	13	74	20
711362		10	1.67	20	0.38	605	<1	0.05	10	390	6	0.73	<5	4	47	<20
711363		20	3.13	40	0.80	1010	<1	0.16	23	680	4	0.62	<5	9	68	<20
711364		20	3.43	40	0.95	949	<1	0.17	26	750	<2	0.88	<5	10	75	20
711365		20	3.49	30	0.94	960	<1	0.17	26	510	2	0.88	<5	10	67	20
711366		20	2.48	30	0.64	793	<1	0.12	18	550	2	0.77	<5	7	46	<20
711367		20	2.31	20	0.51	3020	<1	0.11	25	1100	553	>10.0	11	5	106	<20



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Sample Description	Method Analyte Units LOR	ME-ICP61 Ti %	ME-ICP61 Ti ppm	ME-ICP61 U ppm	ME-ICP61 V ppm	ME-ICP61 W ppm	ME-ICP61 Zn ppm	Ag-OG62 Ag ppm	Zn-OG62 Zn %	PUL-QC Pass75um %
		0.01	10	10	1	10	2	1	0.001	0.01
711328		0.34	<10	<10	56	30	117			
711329		0.19	<10	<10	42	20	69			
711330		0.10	10	<10	16	10	78			
711331		0.10	10	<10	14	10	58			
711332		0.08	10	<10	14	10	95			
711333		0.24	10	<10	38	30	139			
711334		0.33	10	<10	55	20	77			
711335		0.35	10	<10	65	20	109			
711336		0.40	10	<10	72	40	154			
711337		0.38	20	<10	84	30	95			
711338		0.35	10	<10	74	20	258			
711339		0.35	<10	<10	80	50	1040			
711340		0.30	<10	<10	69	30	204			
711341		0.27	<10	<10	50	50	104			
711342		0.32	<10	<10	78	20	102			
711343		0.23	10	<10	41	20	57			
711344		0.15	10	<10	26	30	249			
711345		0.18	10	<10	26	10	60			
711346		0.15	<10	<10	20	20	39			
711347		0.09	<10	<10	15	20	133			95.2
711348		0.22	<10	<10	26	30	82			
711349		0.11	20	<10	16	20	841			
711350		0.17	10	<10	21	10	250			
711351		0.28	<10	<10	34	10	62			
711352		0.28	<10	<10	36	10	39			
711353		0.25	10	<10	36	30	46			
711354		0.36	<10	<10	74	20	90			
711355		0.16	<10	<10	25	20	33			
711356		0.25	10	<10	40	30	48			
711357		0.24	<10	<10	58	20	398			
711358		0.24	10	<10	64	30	197			
711359		0.14	<10	<10	42	5110	>10000		1.415	
711360		0.23	10	<10	82	250	4470			
711361		0.24	10	<10	81	40	144			
711362		0.11	20	<10	19	80	587			
711363		0.19	<10	<10	50	30	346			
711364		0.22	10	<10	58	30	436			
711365		0.21	10	<10	57	110	244			
711366		0.17	10	<10	40	30	735			
711367		0.09	<10	<10	28	3460	>10000	582	1.215	



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711368		2.36	<0.01	<0.01	1.4	4.29	27	380	10.2	5	0.24	5.6	5	36	68	1.97
711369		2.15	0.02	<0.01	5.1	2.65	35	220	6.4	9	0.26	61.0	3	20	69	1.52
711370		2.28	<0.01	<0.01	6.0	2.23	438	220	5.7	13	0.25	14.1	2	19	78	1.32
711371		1.56	<0.01	0.01	1.8	2.44	29	230	5.4	4	0.16	7.1	2	19	51	1.20
711372		2.22	<0.01	0.01	1.5	2.79	31	240	5.9	2	0.18	15.1	2	23	71	1.45
711373		1.96	<0.01	0.01	3.4	2.14	196	160	5.7	6	0.65	11.1	2	18	106	1.73
711374		1.45	0.54	0.05	>100	0.84	1460	50	2.6	123	0.25	114.5	7	8	2480	3.44
711375		1.53	<0.01	0.01	<0.5	2.90	55	180	6.0	2	0.19	1.3	4	22	17	1.74
711376		1.97	<0.01	0.02	0.8	5.39	76	510	13.8	3	0.28	1.7	8	36	77	2.44
711377		3.02	0.18	0.03	74.6	7.40	45	670	17.1	87	0.22	76.7	13	72	1920	4.79
711378		2.27	<0.01	0.02	0.6	7.10	47	790	16.2	2	0.32	0.8	11	60	101	3.28
711379		0.70	<0.01	0.01	1.1	3.42	17	340	8.4	3	0.17	16.2	5	24	76	1.83
711380		3.45	<0.01	0.02	0.6	8.71	372	990	20.9	2	0.27	0.7	15	76	86	3.47
711381		2.38	<0.01	0.02	<0.5	4.67	38	500	12.7	<2	0.15	<0.5	7	37	70	2.13
711382		1.10	0.09	0.01	20.4	5.10	77	510	11.3	34	0.26	77.3	8	42	642	3.11
711383		2.29	<0.01	0.02	<0.5	5.91	101	660	15.9	5	0.23	1.1	9	46	73	2.47
711384		2.19	<0.01	0.01	6.5	4.37	75	380	10.5	5	0.14	38.1	6	30	368	2.15
711385		2.76	<0.01	0.06	2.4	4.07	72	400	7.9	12	0.27	46.0	6	33	73	2.04
711386		2.18	<0.01	0.02	<0.5	2.52	319	160	5.3	2	0.30	2.3	3	19	13	1.50
711387		0.49	0.11	0.01	25.4	0.57	734	40	1.5	28	0.11	256	2	7	876	2.48
711388		2.34	<0.01	0.02	1.3	4.30	76	320	10.0	3	1.64	18.6	5	29	48	1.80
711389		1.96	<0.01	0.02	<0.5	2.19	111	200	6.1	<2	0.29	0.9	4	21	17	1.28
711390		2.37	<0.01	0.02	<0.5	5.50	9	560	9.4	3	0.36	1.0	10	46	39	2.73
711391		2.53	<0.01	0.02	<0.5	9.06	32	1210	14.2	2	0.23	<0.5	17	85	29	4.71
711392		2.41	<0.01	0.02	<0.5	7.81	12	980	10.0	<2	0.22	<0.5	14	73	29	3.81
711393		2.32	<0.01	0.01	<0.5	5.42	22	520	7.5	<2	0.32	0.8	8	49	34	2.85
711394		0.73	<0.01	0.02	<0.5	6.17	20	750	9.9	2	0.17	<0.5	12	63	17	3.35



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Sample Description	Method Analyte Units LOR	ME-ICP61 Ga ppm 10	ME-ICP61 K % 0.01	ME-ICP61 La ppm 10	ME-ICP61 Mg % 0.01	ME-ICP61 Mn ppm 5	ME-ICP61 Mo ppm 1	ME-ICP61 Na % 0.01	ME-ICP61 Ni ppm 1	ME-ICP61 P ppm 10	ME-ICP61 Pb ppm 2	ME-ICP61 S % 0.01	ME-ICP61 Sb ppm 5	ME-ICP61 Sc ppm 1	ME-ICP61 Sr ppm 1	ME-ICP61 Th ppm 20
711368		10	2.11	30	0.53	633	<1	0.11	15	490	5	0.43	<5	6	48	20
711369		10	1.43	20	0.25	477	<1	0.04	7	640	11	0.62	<5	3	43	<20
711370		10	1.22	20	0.23	378	1	0.04	6	300	13	0.30	<5	3	36	<20
711371		10	1.38	20	0.24	449	<1	0.04	6	320	9	0.26	<5	3	30	<20
711372		10	1.54	20	0.27	520	<1	0.04	7	500	6	0.33	<5	3	40	<20
711373		10	1.24	20	0.21	749	<1	0.03	6	470	62	0.32	<5	3	39	<20
711374		<10	0.52	10	0.09	720	<1	0.02	6	860	88	2.60	<5	1	44	<20
711375		10	0.97	20	0.27	318	<1	0.03	7	370	7	0.14	<5	3	52	<20
711376		20	2.83	30	0.69	680	<1	0.09	18	460	5	0.61	<5	7	49	<20
711377		20	3.79	30	1.10	1030	12	0.21	86	620	78	2.89	<5	11	78	20
711378		20	3.78	40	1.08	704	<1	0.18	31	560	7	0.87	<5	12	81	20
711379		10	2.08	20	0.47	582	<1	0.05	12	380	<2	0.53	<5	4	28	<20
711380		30	4.24	40	1.36	772	<1	0.29	39	690	4	0.95	<5	16	120	20
711381		10	2.76	30	0.69	598	1	0.09	17	420	3	0.67	<5	7	44	<20
711382		20	2.78	30	0.70	794	<1	0.13	21	690	12	1.46	<5	8	70	<20
711383		20	3.21	30	0.86	649	<1	0.16	25	450	4	0.62	<5	9	63	20
711384		10	2.48	30	0.52	589	<1	0.07	16	610	11	0.81	<5	5	44	<20
711385		10	1.81	30	0.46	496	<1	0.07	16	480	10	0.74	<5	6	63	<20
711386		10	1.01	20	0.25	497	<1	0.02	6	340	8	0.18	<5	3	41	<20
711387		<10	0.34	<10	0.06	408	<1	0.02	2	250	9	1.61	<5	<1	12	<20
711388		10	2.07	30	0.46	760	1	0.05	11	460	9	0.47	<5	5	75	<20
711389		10	0.97	20	0.23	389	1	0.25	5	380	6	0.12	<5	3	32	<20
711390		20	2.59	40	0.77	513	<1	0.18	21	600	7	0.21	<5	8	62	20
711391		30	4.95	50	1.59	654	<1	0.15	43	700	10	0.11	<5	17	73	30
711392		20	4.27	40	1.22	488	1	0.17	34	600	6	0.20	<5	14	55	20
711393		10	2.38	30	0.75	448	1	0.26	26	480	9	0.53	<5	8	56	<20
711394		20	3.17	30	1.05	504	<1	0.16	32	410	4	0.08	<5	11	49	<20



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Sample Description	Method Analyte Units LOR	ME-ICP61 Ti %	ME-ICP61 Ti ppm	ME-ICP61 U ppm	ME-ICP61 V ppm	ME-ICP61 W ppm	ME-ICP61 Zn ppm	Ag-OG62 Ag ppm	Zn-OG62 Zn %	PUL-QC Pass75um %
		0.01	10	10	1	10	2	1	0.001	0.01
711368		0.17	<10	<10	35	30	244			
711369		0.10	10	<10	17	20	2030			
711370		0.10	10	<10	16	40	482			
711371		0.10	10	<10	16	10	251			
711372		0.11	10	<10	18	20	514			
711373		0.09	10	<10	14	40	467			
711374		0.02	10	<10	4	270	3570	123		
711375		0.16	<10	<10	20	30	72			
711376		0.21	<10	<10	41	30	95			
711377		0.22	<10	<10	69	30	2540			
711378		0.31	<10	<10	71	30	97			
711379		0.14	10	<10	26	20	574			
711380		0.26	10	<10	92	20	124			
711381		0.18	10	<10	39	20	62			
711382		0.16	10	<10	47	20	2520			
711383		0.20	10	<10	52	20	108			
711384		0.17	10	<10	32	30	1230			
711385		0.21	<10	<10	34	360	1510			
711386		0.13	<10	<10	17	20	92			
711387		0.02	<10	<10	3	10	7590			98.9
711388		0.17	10	<10	29	30	643			
711389		0.15	<10	<10	17	20	52			
711390		0.35	10	<10	49	30	102			
711391		0.45	10	<10	100	10	165			
711392		0.42	10	<10	85	10	91			
711393		0.31	10	<10	50	30	119			
711394		0.29	10	<10	69	20	97			



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	CERTIFICATE COMMENTS
	LABORATORY ADDRESSES
Applies to Method:	Processed at ALS Townsville located at 14-15 Desma Court, Bohle, Townsville, QLD, Australia. Ag-OG62 ME-ICP61 ME-OG62 Zn-OG62
Applies to Method:	Processed at ALS Burnie located at 39 River Road, Burnie, TAS, Australia. CRU-21 LEV-01 ME-XRF15d PUL-31b PUL-QC WEI-21