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16 January 2020

ASX ANNOUNCEMENT

Latest assay results from infill drilling continue to demonstrate major polymetallic mineralisation at the Mulgine Trench deposit

Highlights

- Drilling continues to intersect substantial thicknesses of tungsten mineralisation within a 140 to 220 metre zone at Mulgine Trench. Drilling has defined mineralised envelopes of:
  - **244 metres at 0.10% WO_3 and 330 ppm Mo** from 2 metres in MMC455
  - **210m at 0.10% WO_3 and 400 ppm Mo** from surface (0 metres) in MMC399
  - **226m at 0.12% WO_3 and 330 ppm Mo** from surface (0 metres) in MMC420
- Drilling continued to intersect stronger molybdenum mineralisation associated with the 50m to 120m wide Lower Tungsten-Molybdenum Domain within the larger tungsten envelope. Better intersections include:
  - **78 metres at 0.10% WO_3 and 600 ppm Mo** from 44 metres in MMC424
  - **66 metres at 0.12% WO_3 and 670 ppm Mo** from 24 metres in MMC422
- Upon completion of resource definition drilling, an updated Mineral Resource estimate is planned to be completed in April 2020.

Commentary

Australian tungsten developer, Tungsten Mining NL (ASX: TGN) ("TGN" or "the Company") is pleased to report on the latest results from drilling at the Mt Mulgine Project.

On 19 December 2019, the Company announced the updated Mulgine Trench Mineral Resource estimate resulting in a major increase in contained tungsten and molybdenum and highlighting the significance of accessory minerals gold (850,000 ounces) and silver (35 million ounces) (refer ASX announcement 19 December 2019, "*Major Mineral Resource Estimate Upgrade for Mulgine Trench Deposit*").

Since completion of RC drillholes used for the 2019 Mineral Resource estimate, Tungsten Mining has drilled an additional **86 RC holes for 16,250 metres.** This announcement reports assay results received by the Company to 7 January 2020, representing **42 RC holes for 7,856 metres**.

The Company is pleased to report that the latest assay results - subsequent to the Mineral Resource estimate released in December 2019, continue to be outstanding and demonstate intersections greater that 200 metres in true width.

Tungsten Mining's CEO Craig Ferrier commented, "*These latest results demonstrate the considerable consistency in the polymetallic mineralisation of the Mulgine Trench Deposit. As the infill drilling program progresses, we are extremely encouraged that the very substantial widths of mineralisation intersected in the initial phase of drilling are continuously being repeated".*

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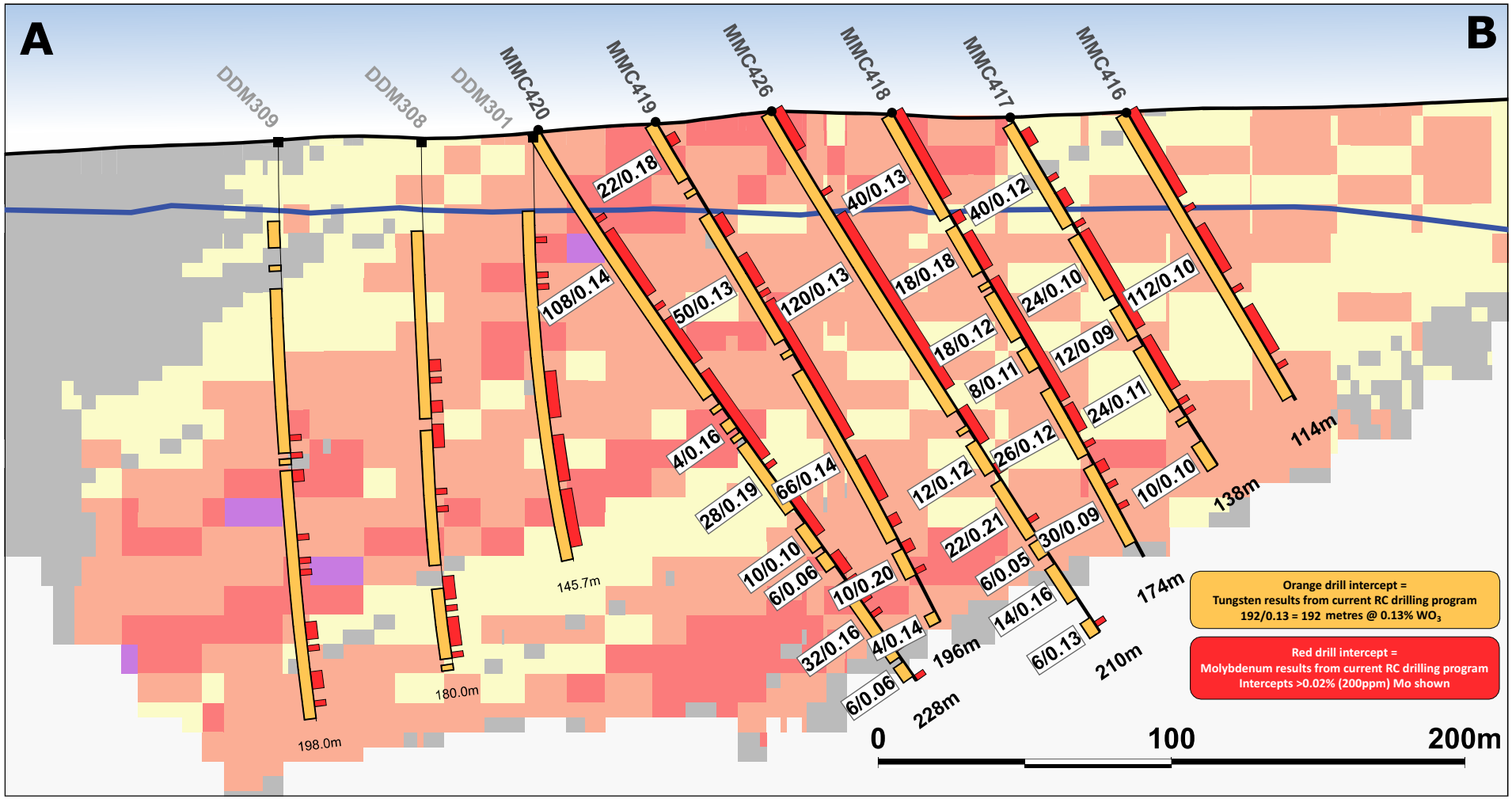
Mulgine Trench Deposit: Section A - B (Tungsten)



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MMC426 TGN RC hole - current drill program

DDM308 Drilling from previous program

Base of oxidation (interpreted)

192/0.13

Left: Tungsten intersection > 0.05% WO_3

Right: Molybdenum intersection > 0.02% Mo (200 ppm)

2019 Block Model

Inferred 207Mt @ 0.11% WO_3, 272 ppm Mo

(at 0.05% WO_3 cutoff)

2019 Block Model

- < 0.05% WO_3
- 0.05 - 0.10% WO_3
- 0.10 - 0.15% WO_3
- 0.15 - 0.20% WO_3
- >0.20% WO_3

Figure 1. Cross section showing outlines and intersections >0.05% WO_3 defined by Tungsten Mining drilling against the 2019 Mulgine Trench Mineral Resource. Location of section is displayed on Figure 5.

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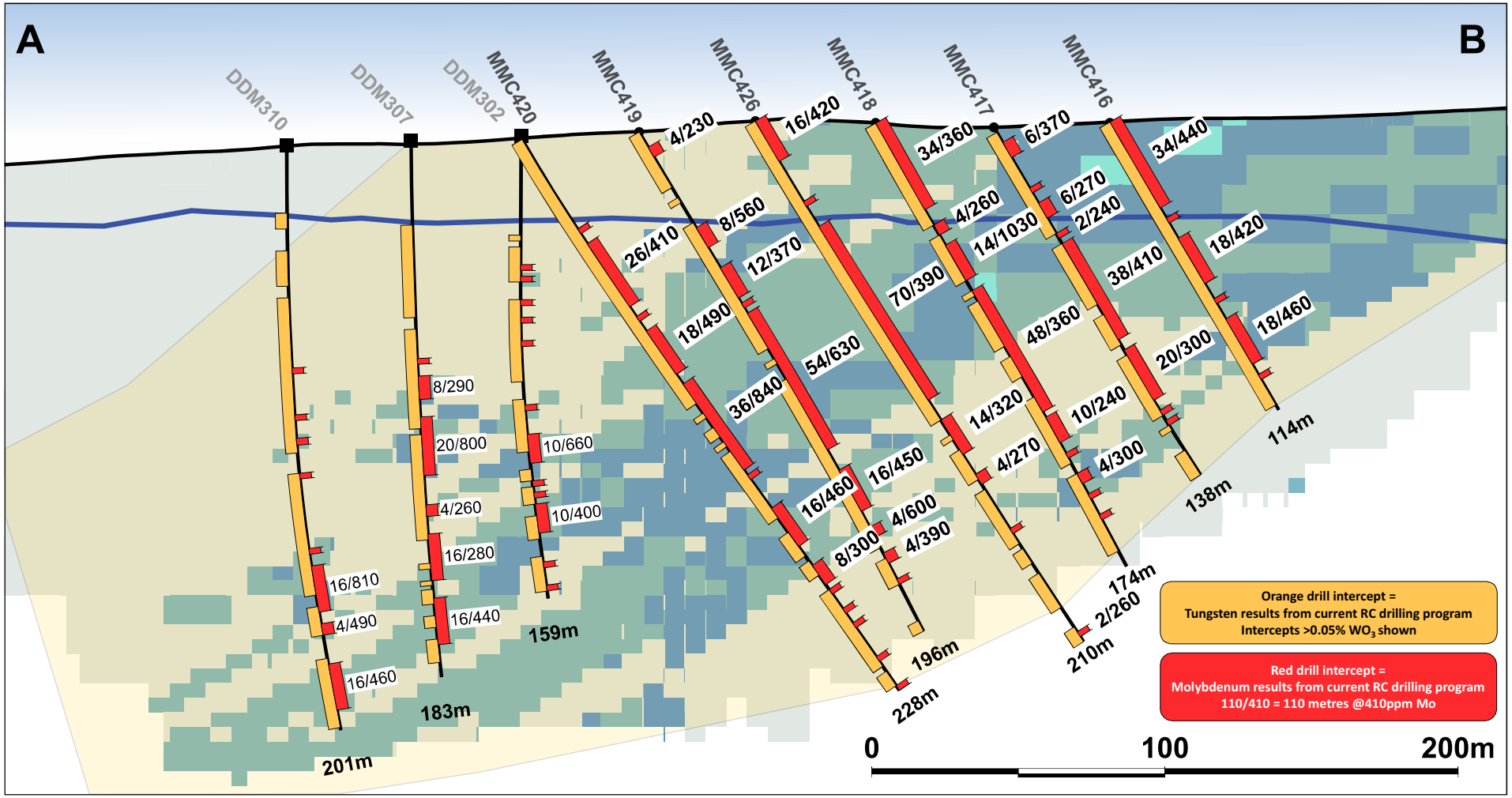
Mulgine Trench Deposit: Section A - B (Molybdenum)



TUNGSTEN MINING

MMC426 TGN RC hole - current drill program

DDM308 Drilling from previous program

Base of oxidation (interpreted)

Left: Tungsten intersection > 0.05% WO_3

26/430

Right: Molybdenum intersection > 0.02% Mo (200 ppm)

2019 Block Model

Inferred 207Mt @ 0.11% WO_3, 272 ppm Mo
(at 0.05% WO_3 cutoff)

>0.05% WO_3 interpreted outline

2019 Block Model - Mo

- < 200 ppm Mo
- 200 - 500 ppm Mo
- 500 - 800 ppm Mo
- 800 - 1000 ppm Mo

Figure 2. Cross section displaying Lower Tungsten-Molybdenum domain defined by molybdenum block model and intersections greater than 200ppm Mo. Location of section is displayed on Figure 5.

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Discussion of latest assay results

In July 2019, the Company commenced a phased drilling program as part of the Mt Mulgine Project PFS with the objective of upgrading the dominantly Inferred Mulgine Trench Mineral Resource estimate to a dominantly Indicated status. The program has progressed onto infilling sections to a 40 metre spacing and by 7 January 2020, a total of 220 reverse circulation (RC) holes for 36,931 metres has been drilled (Figures 4 and 5).

Latest assay results from the 42 holes being reported here continue to intersect multiple tungsten-molybdenum intersections within a 140 to 220 metre envelope. Better holes that demonstrate the significance of mineralisation include MMC455, MMC399 and MMC420. These holes intersected multiple zones with minor internal waste forming overall mineralised envelopes of **244 metres at 0.10% WO_3 and 330 ppm Mo** from 2 metres, **210 metres at 0.10% WO_3 and 400 ppm Mo** from surface (0 metres) and **226 metres at 0.12% WO_3 and 330 ppm Mo** from surface (0 metres) respectively. All three holes were drilled perpendicular to mineralisation and intervals represent true thicknesses (Figure 1).

Of the 7,856 metres from the 42 holes being reported, 5,054 metres fell within an intersection greater than 3 metres at 0.05% WO_3 that, in aggregate terms, averaged 0.12% WO_3, 340 ppm Mo, 0.15 ppm Au and 6 ppm Ag. This is consistent with that grade predicted by the 2019 Mineral Resource for blocks greater than 0.05% WO_3.

Lower Tungsten-Molybdenum domain: in addition, the drilling continues to intersect significant polymetallic mineralisation associated with a lower Tungsten-Molybdenum domain that forms a 50 to 120 metre thick zone (Table 3 and Figure 2). Better holes from this zone include **78 metres at 0.10% WO_3, 600 ppm Mo** from 44 metres in MMC424 and **66 metres at 0.12% WO_3, 670 ppm Mo** from 24 metres in MMC422. Again, holes were drilled perpendicular to mineralisation and intervals represent true thicknesses.

A list of better holes from the latest assay results received with substantial zones of tungsten mineralisation at a 0.05% WO_3 lower cut-off displaying the bulk tonnage potential of Mulgine Trench is presented in Table 2. Better holes from the lower Tungsten-Molybdenum domain at a 200 ppm Mo lower cut-off are presented in Table 3. Better gold intersections greater than 0.10 ppm Au are reported in Table 4. A complete list of intersections greater than 3 metres at 0.05% WO_3, 3 metres at 200 ppm Mo and 10 metres at 0.10 ppm Au are listed in Appendix 1, 2 and 3 respectively.

Mulgine Trench Mineral Resource

Resource consultants, Optiro Pty Ltd (Optiro) were engaged to update the Mulgine Trench Mineral Resource with results from the resource definition drilling commenced in July 2019. The update incorporated the drilling results from first 123 reverse circulation (RC) holes received to 22 November 2019. The revised Mineral Resource estimate for Mulgine Trench as of 19 December 2019 above a 0.05% WO_3 reporting cut-off grade is as follows:

Table 1: JORC-2012 Mineral Resource estimates for Mulgine Trench at 0.05% WO_3 reporting cut-off grade

Mulgine Trench Inferred Mineral Resource – December 2019									
Oxidation	Mt	WO_3 %	WO_3 (t)	Mo ppm	Mo (t)	Au ppm	Au (Oz)	Ag ppm	Ag (MOz)
Oxide	35	0.11	37,000	280	9.700	0.15	160,000	3	3
Fresh	172	0.11	190,000	271	47,000	0.12	690,000	6	32
Total	**207**	**0.11**	**230,000**	**272**	**56,000**	**0.13**	**850,000**	**5**	**35**

Refer ASX Announcement 19 December 2019, "Major Mineral Resource Estimate Update for Mulgine Trench Deposit".

At a 0.05% WO_3 cut-off grade and compared against the previous Mineral Resource estimate, drilling completed by the Company to 22 November 2019 resulted in a **189% increase in tonnes** and an **increase in contained metal** of **97% in tungsten and 211% for molybdenum**. In addition, gold and silver (accessory minerals) grades were estimated into the block model and this defined **850,000 ounces of gold and 35 million ounces of silver**.

The extent of recovery of these accessory minerals is presently uncertain. Metallurgical test work to confirm recoveries for all minerals is in progress as part of the PFS programme and will be reported as the relevant information becomes available.

Since completion of the Mulgine Trench Mineral Resource estimate, Tungsten Mining have drilled an additional 86 RC holes into the Mulgine Trench Mineral Resource. Interpretation of all new data is proceeding and a revised estimate is planned to be released in April 2020.

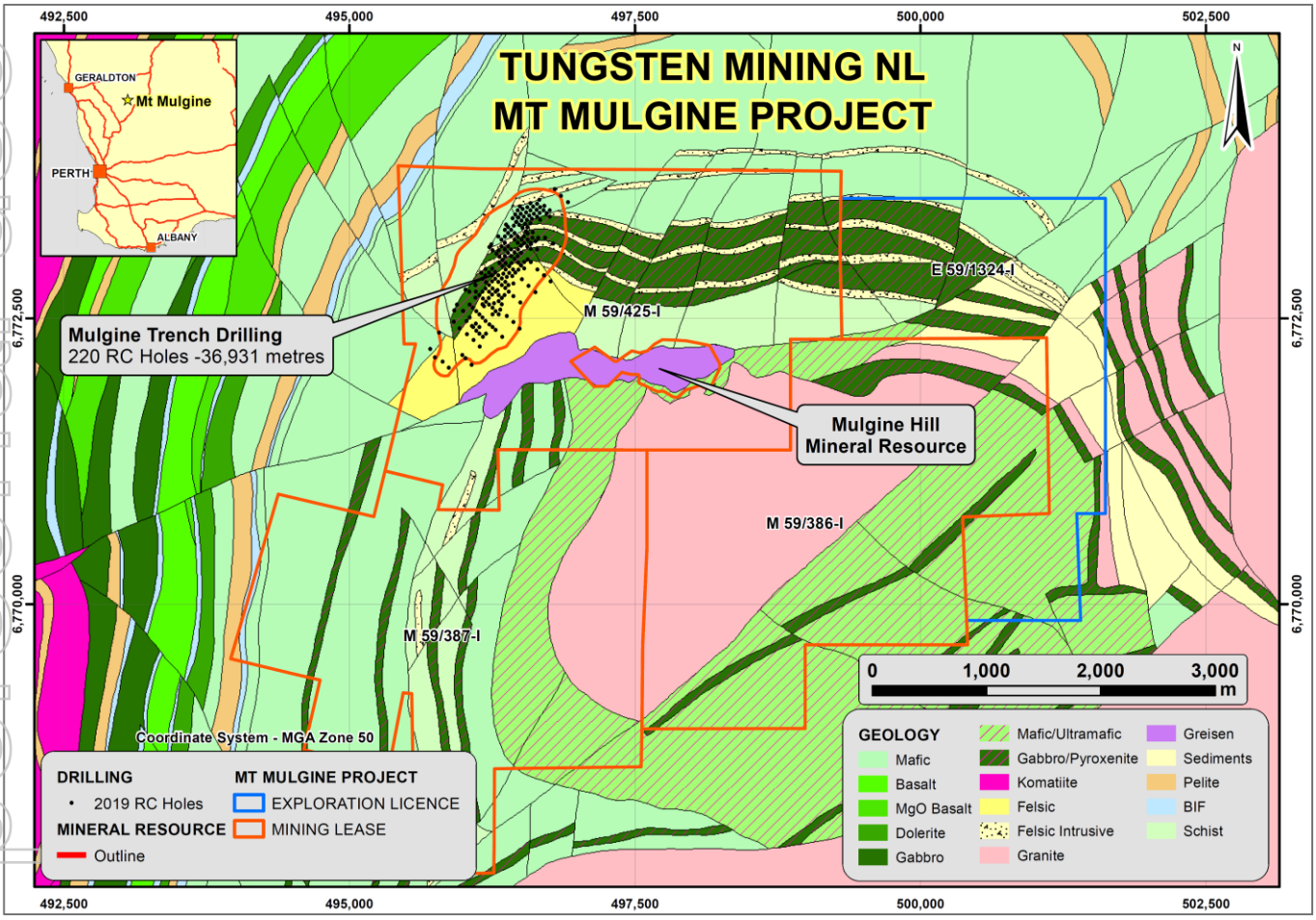

Figure 3. Location of Mulgine Hill and Mulgine Trench Mineral Resources.

The Mt Mulgine Project is located in the Murchison Region of Western Australia, approximately 350km north northeast of Perth. The Company owns 100% of the tungsten and molybdenum rights on a group of tenements that have been the subject of significant previous evaluation for tungsten and molybdenum. The Company also has the rights to all by-products from the mining of tungsten and molybdenum. Near surface Mineral Resources have been delineated at the Mulgine Trench and Mulgine Hill deposits, which have been the subject of ongoing evaluation by the Company (Figure 3).

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Tungsten-molybdenum mineralisation at Mt Mulgine is associated with the Mulgine Granite - a high-level leucogranite forming a 2km stock that intrudes the Mulgine anticline (Figure 3). The granite intrudes a greenstone sequence composed of micaceous schists, amphibolite and talc-chlorite schist which were formerly metasediments, mafic and ultramafic rocks respectively. Tungsten-molybdenum mineralisation at Mulgine Trench is associated with altered and quartz veined mafic and ultramafic units that form a 140 metre to 220 metre thick zone over 1.4 kilometres of strike and dips shallowly towards the northwest.

Completion of resource definition RC drilling is anticipated to be completed in February. A diamond drill rig has been mobilised to site to complete tails and deepen a number of RC holes that did not reach target depth due to ground conditions. An updated Mineral Resource estimate using all new drilling data is planned to be prepared in April 2020. This updated block model will be used for pit optimisation and engineering studies as part of the PFS.

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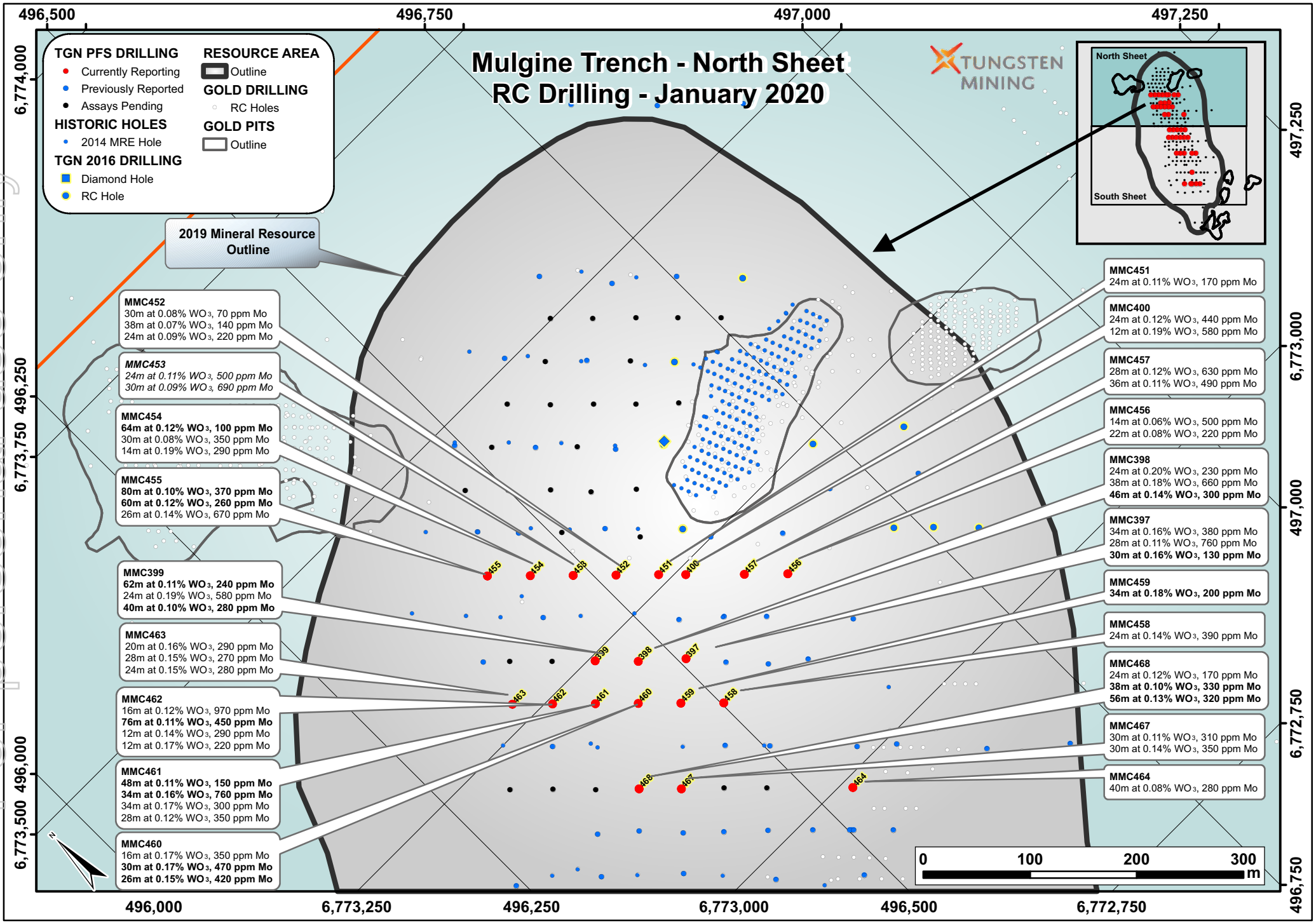

Figure 4. Plan showing location of holes and better intersections at Mulgine Trench - North Sheet. Assay results currently being reported are red circles and assaysd pending are black circles. Blue small dots are holes used in 2014 Resource estimate.

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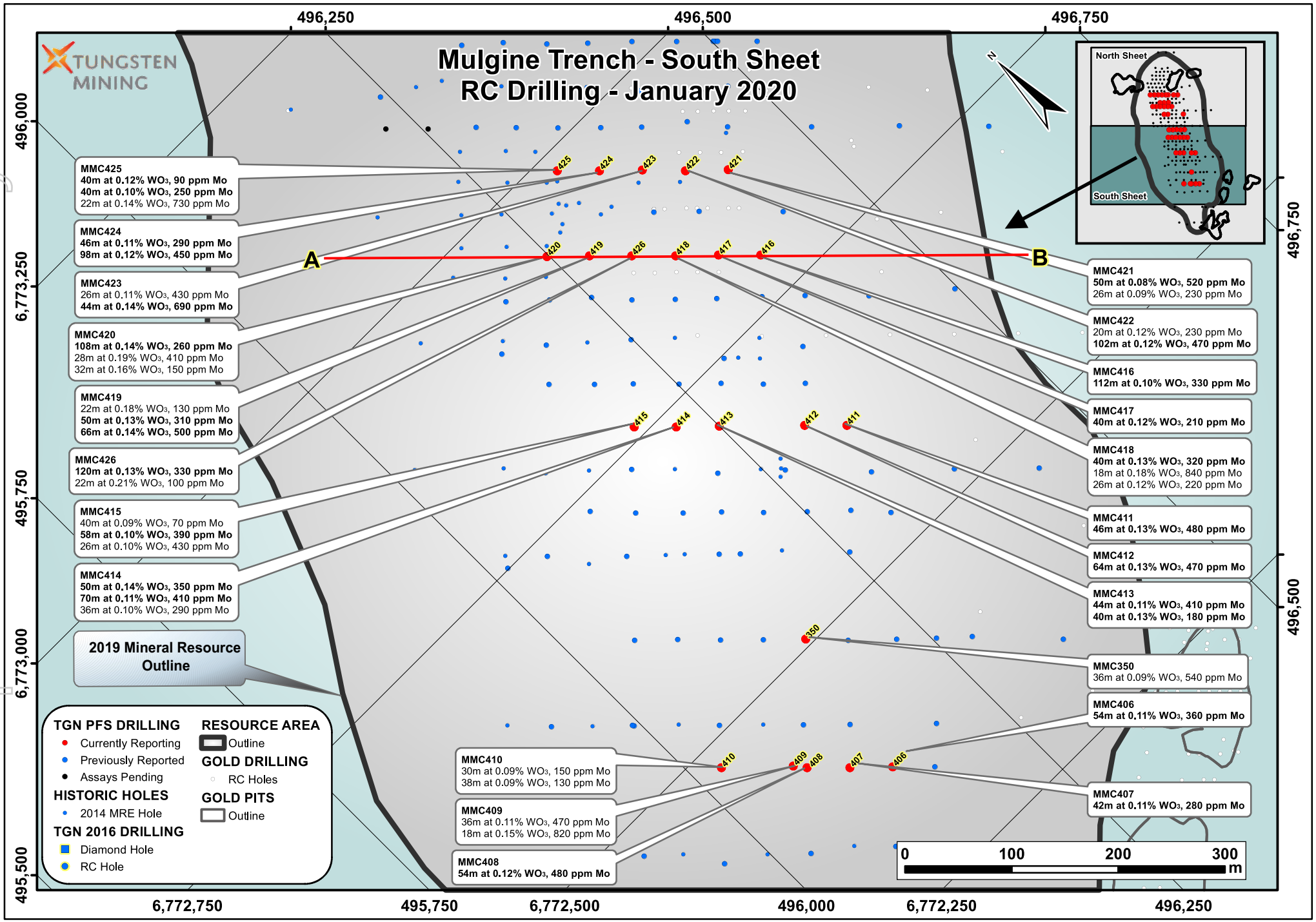

Figure 5. Plan showing location of holes and better intersections at Mulgine Trench - South Sheet. Assay results currently being reported are red circles and assaysd pending are black circles. Blue small dots are holes used in 2014 Resource estimate.

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Table 2 – Better holes with tungsten mineralisation in infill drilling at Mulgine Trench

Mulgine Trench Drilling - Significant Tungsten Mineralisation (at 0.05% WO_3 cut off)									
Hole No	MGA Coordinates				Intersections				
	Northing (m)	Easting (m)	Depth (m)	Dip/ Azim	From (m)	To (m)	Interval (m)	WO_3 (%)	Mo (ppm)
MMC399	6,773,245	496,445	210	-60/135	0	18	18	0.10	320
MMC399					**22**	**84**	**62**	**0.11**	**240**
MMC399					88	112	24	0.19	580
MMC399					116	134	18	0.12	370
MMC399					138	142	4	0.06	1340
MMC399					146	154	8	0.09	2110
MMC399					164	168	4	0.05	340
MMC399					170	210	40	0.10	280
MMC414	6,772,733	496,221	210	-60/135	**0**	**50**	**50**	**0.14**	**350**
MMC414					**54**	**124**	**70**	**0.11**	**410**
MMC414					146	182	36	0.10	290
MMC414					186	198	12	0.11	180
MMC416	6,772,791	496,391	114	-60/135	**0**	**112**	**112**	**0.10**	**330**
MMC419	6,772,904	496,277	196	-60/135	0	22	22	0.18	130
MMC419					**36**	**86**	**50**	**0.13**	**310**
MMC419					**98**	**164**	**66**	**0.14**	**500**
MMC419					168	178	10	0.20	240
MMC420	6,772,932	496,248	228	-60/135	**0**	**108**	**108**	**0.14**	**260**
MMC420					118	122	4	0.16	1330
MMC420					128	156	28	0.19	410
MMC420					162	172	10	0.10	280
MMC420					174	180	6	0.06	250
MMC420					186	218	32	0.16	150
MMC422	6,772,897	496,397	156	-60/135	2	22	20	0.12	230
MMC422					**36**	**138**	**102**	**0.12**	**470**
MMC422					146	156	10	0.12	100
MMC424	6,772,954	496,340	210	-60/135	18	64	46	0.11	290
MMC424					66	74	8	0.06	680
MMC424					**84**	**182**	**98**	**0.12**	**450**
MMC424					194	204	10	0.07	110
MMC426	6,772,876	496,305	210	-60/135	**0**	**120**	**120**	**0.13**	**330**
MMC426					132	144	12	0.12	180
MMC426					148	170	22	0.21	100
MMC426					172	178	6	0.05	50
MMC426					182	196	14	0.16	80
MMC426					204	210	6	0.13	170
MMC455	6,773,372	496,430	246	-60/135	2	28	26	0.08	40
MMC455					**34**	**114**	**80**	**0.10**	**370**
MMC455					122	136	14	0.08	650
MMC455					**148**	**208**	**60**	**0.12**	**260**
MMC455					220	246	26	0.14	670

2m cone split RC samples were submitted to Bureau Veritas Minerals Pty Ltd, Canning Vale WA for WO_3 by XRF and Mo by XRF or Laser Ablation ICP-MS. Lower cut-off grade 0.05% WO_3 with up to 2m of interval waste, no top cut grade. True thickness is 90 - 100% of intersection length for inclined holes. Grid coordinates are MGA Zone 50.

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Table 3 – Better holes with molybdenum mineralisation in infill drilling at Mulgine Trench

Mulgine Trench Drilling - Significant Tungsten-Molybdenum Mineralisation (at 200 ppm Mo cut off)									
Hole No	MGA Coordinates				Intersections				
	Northing (m)	Easting (m)	Depth (m)	Dip/ Azim	From (m)	To (m)	Interval (m)	WO_3 (%)	Mo (ppm)
MMC398	6,773,216	496,473	234	-60/135	**10**	**62**	**52**	**0.11**	**310**
MMC398					**68**	**124**	**56**	**0.14**	**740**
MMC398					132	166	34	0.10	450
MMC398					172	178	6	0.14	520
MMC399	6,773,245	496,445	210	-60/135	0	16	16	0.10	350
MMC399					30	42	12	0.20	350
MMC399					68	80	12	0.08	440
MMC399					84	102	18	0.15	550
MMC399					**122**	**188**	**66**	**0.08**	**650**
MMC399					198	204	6	0.11	280
MMC419	6,772,904	496,277	196	-60/135	6	10	4	0.19	230
MMC419					38	46	8	0.09	560
MMC419					54	66	12	0.12	370
MMC419					**72**	**126**	**54**	**0.12**	**630**
MMC419					134	150	16	0.13	450
MMC419					156	160	4	0.07	600
MMC419					166	170	4	0.08	390
MMC422	6,772,897	496,397	156	-60/135	2	12	10	0.10	360
MMC422					**24**	**90**	**66**	**0.12**	**670**
MMC422					102	112	10	0.12	340
MMC422					116	124	8	0.11	250
MMC422					132	140	8	0.06	330
MMC423	6,772,926	496,369	180	-60/135	24	34	10	0.13	650
MMC423					**38**	**100**	**62**	**0.12**	**770**
MMC423					104	122	18	0.06	430
MMC423					128	138	10	0.08	270
MMC423					152	164	12	0.05	320
MMC423					172	180	8	0.06	420
MMC424	6,772,954	496,340	210	-60/135	0	12	12	0.03	390
MMC424					**44**	**122**	**78**	**0.10**	**600**
MMC424					126	142	16	0.11	640
MMC424					184	194	10	0.03	240
MMC424					206	210	4	0.05	270
MMC461	6,773,216	496,417	222	-60/135	8	16	8	0.13	240
MMC461					38	44	6	0.07	270
MMC461					60	76	16	0.05	350
MMC461					**80**	**130**	**50**	**0.12**	**710**
MMC461					**140**	**180**	**40**	**0.08**	**470**
MMC461					184	190	6	0.06	240
MMC461					192	216	24	0.11	440

2m cone split RC samples were submitted to Bureau Veritas Minerals Pty Ltd, Canning Vale WA for WO_3 by XRF and Mo by XRF or by Laser Ablation ICP-MS. Lower cut-off grade 200 ppm Mo with up to 2m of interval waste, no top cut grade. True thickness is 90 - 100% of intersection length for inclined holes. Grid coordinates are MGA Zone 50.

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Table 4 – Better gold mineralisation in infill drilling at Mulgine Trench

					Mulgine Trench Drilling - Significant Gold Mineralisation (at 0.10 ppm Au cut off)						
Hole No	MGA Coordinates				Intersections						
	Northing (m)	Easting (m)	Depth (m)	Dip/ Azim	From (m)	To (m)	Interval (m)	Au (ppm)	WO_3 (%)	Mo (ppm)	Ag (ppm)
MMC350	6,772,506	496,166	156	-60/135	**16**	**40**	**24**	**0.63**	**0.07**	**200**	**6.6**
MMC397	6,773,186	496,506	264	-60/135	4	52	48	0.28	0.13	500	7.0
MMC397					54	100	46	0.21	0.09	610	10.0
MMC407	6,772,392	496,110	174	-60/135	90	126	36	0.33	0.07	90	2.4
MMC407					130	166	36	0.29	0.04	150	1.5
MMC408	6,772,420	496,082	162	-60/135	122	162	40	0.29	0.04	130	1.6
MMC410	6,772,477	496,025	192	-60/135	130	168	38	0.25	0.09	130	3.0
MMC410					**180**	**192**	**12**	**0.98**	**0.02**	**170**	**2.3**
MMC414	6,772,733	496,221	210	-60/135	36	68	32	0.32	0.17	740	8.4
MMC415	6,772,761	496,193	234	-60/135	56	88	32	0.41	0.11	500	7.8
MMC416	6,772,791	496,391	114	-60/135	76	100	24	0.45	0.10	380	9.7
MMC418	6,772,847	496,334	174	-60/135	**2**	**58**	**56**	**0.31**	**0.14**	**470**	**6.4**
MMC423	6,772,926	496,369	180	-60/135	22	56	34	0.35	0.11	610	9.7
MMC425	6,772,982	496,312	209	-60/135	**94**	**110**	**16**	**0.90**	**0.05**	**830**	**20.0**
MMC451	6,773,260	496,544	138	-60/135	2	44	42	0.29	0.09	160	7.0
MMC456	6,773,175	496,630	135	-60/135	**46**	**106**	**60**	**0.36**	**0.06**	**310**	**21.1**
MMC457	6,773,203	496,601	162	-60/135	0	32	32	0.33	0.11	650	7.4
MMC460	6,773,188	496,445	210	-60/135	**0**	**34**	**34**	**0.65**	**0.14**	**260**	**3.5**

2m cone split RC samples were submitted to Bureau Veritas Minerals Pty Ltd, Canning Vale WA for WO_3 by XRF, Mo by XRF or Laser Ablation ICP-MS finish, Au by 40g Fire Assay – AAS or ICP-AES finish and Ag by Laser Ablation ICP-MS finish. Lower cut-off grade 0.10 ppm Au with up to 2m of interval waste, no top cut grade. True thickness is 90 - 100% of intersection length for inclined holes. Grid coordinates are MGA Zone 50.

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This ASX announcement was authorised for release by Craig Ferrier, Chief Executive Officer of Tungsten Mining NL.

Competent Person's Statement

The information in this report that relates to Exploration Results and Data Quality is based on, and fairly represents, information and supporting documentation prepared by Peter Bleakley, who is a Member of the Australasian Institute of Mining and Metallurgy. Mr Bleakley is not a full-time employee of the company. Mr Bleakley is a consultant to the mining industry. Mr Bleakley has sufficient experience that is relevant to the style of mineralisation and type of deposit under consideration and to the activity being undertaken to qualify as a Competent Person as defined in the 2012 Edition of the 'Australasian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves'. Mr Bleakley consents to the inclusion in the report of the matters based on his information in the form and context in which it appears.

The information in this report that relates to the Mulgine Trench Mineral Resources are extracted from the report titled 'Major Mineral Resource Estimate Update for Mulgine Trench Deposit' released to the ASX on 19 December 2019, available to view at www.tungstenmining.com. Tungsten Mining have drilled an additional 86 RC holes into the Mulgine Trench Mineral Resource. Interpretation of all new data is proceeding and a revised estimate is planned for release in April 2020. Other than the aforementioned review, the Company confirms that it is not aware of any new information or data that materially affects the information included in the ASX announcement and that all material assumptions and technical parameters underpinning the estimates in original ASX announcements continue to apply and have not materially changed. The Company confirms that the form and context in which the Competent Person's findings are presented have not been materially modified from the original ASX announcements.

About Tungsten Mining

Australian tungsten developer, Tungsten Mining NL is an Australian based resources company listed on the Australian Securities Exchange. The Company's prime focus is the exploration and development of tungsten projects in Australia.

Tungsten (chemical symbol W), occurs naturally on Earth, not in its pure form but as a constituent of other minerals, only two of which support commercial extraction and processing - wolframite ((Fe, Mn) WO_4) and scheelite ($CaWO_4$).

Tungsten has the highest melting point of all elements except carbon – around 3400°C giving it excellent high temperature mechanical properties and the lowest expansion coefficient of all metals. Tungsten is a metal of considerable strategic importance, essential to modern industrial development (across aerospace and defence, electronics, automotive, extractive and construction sectors) with uses in cemented carbides, high-speed steels and super alloys, tungsten mill products and chemicals.

Through exploration and acquisition, the Company has established a globally significant tungsten resource inventory in its portfolio of advanced mineral projects across Australia. This provides the platform for the Company to become a major player within the global primary tungsten market through the development of low-cost tungsten concentrate production.

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Appendix 1

Intersections greater than 3 metres at 0.05% WO_3 in Mulgine Trench Drilling

Mulgine Trench Drilling - Significant Tungsten Mineralisation (>3m at 0.05% WO_3 cut off)										
Hole No	MGA Coordinates				Intersections					
	Northing (m)	Easting (m)	RL (m)	Depth (m)	Dip/ Azim	From (m)	To (m)	Interval (m)	WO_3 (%)	Mo (ppm)
MMC350	6,772,506	496,166	410.5	156	-60/135	**0**	**36**	**36**	**0.09**	**540**
MMC350						42	70	28	0.08	320
MMC350						80	102	22	0.07	270
MMC350						114	118	4	0.12	100
MMC350						130	138	8	0.31	100
MMC397	6,773,186	496,506	404.8	264	-60/135	**4**	**38**	**34**	**0.16**	**380**
MMC397						**46**	**74**	**28**	**0.11**	**760**
MMC397						80	98	18	0.09	460
MMC397						108	118	10	0.08	150
MMC397						**122**	**148**	**26**	**0.13**	**260**
MMC397						154	160	6	0.06	170
MMC397						**202**	**232**	**30**	**0.16**	**130**
MMC397						246	256	10	0.13	90
MMC398	6,773,216	496,473	403.7	234	-60/135	**0**	**24**	**24**	**0.20**	**230**
MMC398						28	36	8	0.07	290
MMC398						40	62	22	0.08	360
MMC398						**68**	**106**	**38**	**0.18**	**660**
MMC398						122	136	14	0.10	290
MMC398						140	148	8	0.10	330
MMC398						**154**	**200**	**46**	**0.14**	**300**
MMC398						206	212	6	0.08	230
MMC399	6,773,245	496,445	400.6	210	-60/135	0	18	18	0.10	320
MMC399						**22**	**84**	**62**	**0.11**	**240**
MMC399						**88**	**112**	**24**	**0.19**	**580**
MMC399						116	134	18	0.12	370
MMC399						138	142	4	0.06	1340
MMC399						146	154	8	0.09	2110
MMC399						164	168	4	0.05	340
MMC399						**170**	**210**	**40**	**0.10**	**280**
MMC400	6,773,242	496,562	407.4	150	-55/135	0	4	4	0.15	50
MMC400						18	26	8	0.08	350
MMC400						30	54	24	0.12	440
MMC400						64	74	10	0.14	230
MMC400						86	104	18	0.15	590
MMC400						130	142	12	0.10	210
MMC406	6,772,364	496,139	408.8	132	-60/135	**0**	**54**	**54**	**0.11**	**360**
MMC406						58	62	4	0.07	90
MMC406						86	94	8	0.12	100
MMC407	6,772,392	496,110	408.2	174	-60/135	4	10	6	0.06	200
MMC407						**14**	**56**	**42**	**0.11**	**590**

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Mulgine Trench Drilling - Significant Tungsten Mineralisation (>3m at 0.05% WO_3 cut off)										
Hole No	MGA Coordinates				Intersections					
	Northing (m)	Easting (m)	RL (m)	Depth (m)	Dip/ Azim	From (m)	To (m)	Interval (m)	WO_3 (%)	Mo (ppm)
MMC407						98	112	14	0.10	100
MMC407						120	128	8	0.07	70
MMC407						148	152	4	0.20	90
MMC407						162	166	4	0.08	450
MMC408	6,772,420	496,082	408.2	162	-60/135	0	18	18	0.09	160
MMC408						22	28	6	0.12	140
MMC408						**34**	**88**	**54**	**0.12**	**480**
MMC408						106	112	6	0.07	100
MMC408						128	132	4	0.07	90
MMC408						156	160	4	0.10	70
MMC409	6,772,431	496,074	405	174	-70/135	0	16	16	0.09	70
MMC409						18	22	4	0.05	90
MMC409						**26**	**62**	**36**	**0.11**	**470**
MMC409						66	84	18	0.12	600
MMC409						88	94	6	0.09	290
MMC409						98	116	18	0.15	820
MMC409						122	126	4	0.08	100
MMC410	6,772,477	496,025	399.3	192	-60/135	2	32	30	0.09	150
MMC410						42	56	14	0.09	140
MMC410						60	76	16	0.08	320
MMC410						80	88	8	0.07	260
MMC410						92	104	12	0.09	770
MMC410						**128**	**166**	**38**	**0.09**	**130**
MMC410						172	178	6	0.08	70
MMC411	6,772,621	496,335	402.3	108	-60/135	**0**	**46**	**46**	**0.13**	**480**
MMC411						52	56	4	0.10	240
MMC411						66	72	6	0.07	150
MMC411						78	96	18	0.09	170
MMC412	6,772,649	496,307	401.9	132	-60/135	**4**	**68**	**64**	**0.18**	**470**
MMC412						74	84	10	0.09	200
MMC412						94	114	20	0.11	260
MMC413	6,772,705	496,250	400.1	186	-60/135	0	12	12	0.11	240
MMC413						16	30	14	0.11	300
MMC413						38	50	12	0.09	200
MMC413						**56**	**100**	**44**	**0.11**	**410**
MMC413						104	116	12	0.12	270
MMC413						**120**	**160**	**40**	**0.13**	**180**
MMC414	6,772,733	496,221	398.5	210	-60/135	**0**	**50**	**50**	**0.14**	**350**
MMC414						**54**	**124**	**70**	**0.11**	**410**
MMC414						146	182	36	0.10	290
MMC414						186	198	12	0.11	180
MMC415	6,772,761	496,193	397	234	-60/135	**0**	**40**	**40**	**0.09**	**70**
MMC415						**46**	**104**	**58**	**0.10**	**390**

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Mulgine Trench Drilling - Significant Tungsten Mineralisation (>3m at 0.05% WO_3 cut off)										
Hole No	MGA Coordinates				Intersections					
	Northing (m)	Easting (m)	RL (m)	Depth (m)	Dip/ Azim	From (m)	To (m)	Interval (m)	WO_3 (%)	Mo (ppm)
MMC415						110	136	26	0.10	430
MMC415						138	142	4	0.05	240
MMC415						156	170	14	0.08	170
MMC415						176	180	4	0.06	240
MMC415						188	208	20	0.15	230
MMC416	6,772,791	496,391	411.4	114	-60/135	**0**	**112**	**112**	**0.10**	**330**
MMC417	6,772,819	496,363	409.6	138	-60/135	**2**	**42**	**40**	**0.12**	**210**
MMC417						46	70	24	0.10	460
MMC417						74	86	12	0.09	310
MMC417						90	114	24	0.11	280
MMC417						128	138	10	0.10	60
MMC418	6,772,847	496,334	411	174	-60/135	**0**	**40**	**40**	**0.13**	**320**
MMC418						44	62	18	0.18	840
MMC418						70	88	18	0.12	450
MMC418						92	100	8	0.11	300
MMC418						108	134	26	0.12	220
MMC418						138	168	30	0.09	150
MMC419	6,772,904	496,277	408	196	-60/135	0	22	22	0.18	130
MMC419						**36**	**86**	**50**	**0.13**	**310**
MMC419						**98**	**164**	**66**	**0.14**	**500**
MMC419						168	178	10	0.20	240
MMC419						192	196	4	0.14	130
MMC420	6,772,932	496,248	405.5	228	-60/135	**0**	**108**	**108**	**0.14**	**260**
MMC420						118	122	4	0.16	1330
MMC420						**128**	**156**	**28**	**0.19**	**410**
MMC420						162	172	10	0.10	280
MMC420						174	180	6	0.06	250
MMC420						**186**	**218**	**32**	**0.16**	**150**
MMC420						220	226	6	0.06	90
MMC421	6,772,869	496,426	405.3	144	-60/135	**8**	**58**	**50**	**0.08**	**520**
MMC421						62	82	20	0.11	380
MMC421						88	98	10	0.09	220
MMC421						112	138	26	0.09	230
MMC422	6,772,897	496,397	403.9	156	-60/135	2	22	20	0.12	230
MMC422						**36**	**138**	**102**	**0.12**	**470**
MMC422						146	156	10	0.12	100
MMC423	6,772,926	496,369	403	180	-60/135	0	10	10	0.09	200
MMC423						18	44	26	0.11	430
MMC423						50	62	12	0.13	850
MMC423						**66**	**110**	**44**	**0.14**	**690**
MMC423						112	118	6	0.06	540
MMC423						122	148	26	0.10	180
MMC423						158	174	16	0.08	200

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Mulgine Trench Drilling - Significant Tungsten Mineralisation (>3m at 0.05% WO_3 cut off)										
Hole No	MGA Coordinates				Intersections					
	Northing (m)	Easting (m)	RL (m)	Depth (m)	Dip/ Azim	From (m)	To (m)	Interval (m)	WO_3 (%)	Mo (ppm)
MMC424	6,772,954	496,340	402	210	-60/135	**18**	**64**	**46**	**0.11**	**290**
MMC424						66	74	8	0.06	680
MMC424						**84**	**182**	**98**	**0.12**	**450**
MMC424						194	204	10	0.07	110
MMC425	6,772,982	496,312	401.9	209	-60/135	**0**	**40**	**40**	**0.12**	**90**
MMC425						**50**	**90**	**40**	**0.10**	**250**
MMC425						**114**	**136**	**22**	**0.14**	**730**
MMC425						142	156	14	0.14	210
MMC425						166	184	18	0.10	120
MMC425						190	204	14	0.18	170
MMC426	6,772,876	496,305	411.7	210	-60/135	**0**	**120**	**120**	**0.13**	**330**
MMC426						132	144	12	0.12	180
MMC426						**148**	**170**	**22**	**0.21**	**100**
MMC426						172	178	6	0.05	50
MMC426						182	196	14	0.16	80
MMC426						204	210	6	0.13	170
MMC451	6,773,260	496,544	405.3	138	-60/135	0	24	24	0.11	170
MMC451						36	44	8	0.12	80
MMC451						56	60	4	0.10	320
MMC451						62	66	4	0.06	180
MMC451						72	80	8	0.06	190
MMC451						100	104	4	0.10	740
MMC451						110	116	6	0.06	410
MMC452	6,773,288	496,515	401.8	162	-60/135	6	36	30	0.08	70
MMC452						40	78	38	0.07	140
MMC452						82	90	8	0.16	450
MMC452						94	118	24	0.09	220
MMC452						126	134	8	0.35	570
MMC453	6,773,316	496,487	399.6	180	-60/135	2	14	12	0.09	40
MMC453						36	44	8	0.08	90
MMC453						50	54	4	0.06	80
MMC453						58	62	4	0.08	150
MMC453						66	72	6	0.06	60
MMC453						84	106	22	0.09	210
MMC453						110	114	4	0.12	160
MMC453						118	142	24	0.11	500
MMC453						**150**	**180**	**30**	**0.09**	**690**
MMC454	6,773,344	496,458	399.8	204	-60/135	**0**	**64**	**64**	**0.12**	**100**
MMC454						68	74	6	0.09	210
MMC454						82	86	4	0.07	70
MMC454						96	102	6	0.07	140
MMC454						132	138	6	0.26	230
MMC454						142	146	4	0.07	140

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Mulgine Trench Drilling - Significant Tungsten Mineralisation (>3m at 0.05% WO_3 cut off)										
Hole No	MGA Coordinates				Intersections					
	Northing (m)	Easting (m)	RL (m)	Depth (m)	Dip/ Azim	From (m)	To (m)	Interval (m)	WO_3 (%)	Mo (ppm)
MMC454						150	180	30	0.08	350
MMC454						186	200	14	0.19	290
MMC455	6,773,372	496,430	400.1	246	-60/135	2	28	26	0.08	40
MMC455						**34**	**114**	**80**	**0.10**	**370**
MMC455						122	136	14	0.08	650
MMC455						**148**	**208**	**60**	**0.12**	**260**
MMC455						**220**	**246**	**26**	**0.14**	**670**
MMC456	6,773,175	496,630	408.6	135	-60/135	0	10	10	0.14	20
MMC456						18	24	6	0.17	430
MMC456						54	68	14	0.06	500
MMC456						74	96	22	0.08	220
MMC456						100	110	10	0.08	270
MMC457	6,773,203	496,601	409.4	162	-60/135	**0**	**28**	**28**	**0.12**	**630**
MMC457						**38**	**74**	**36**	**0.11**	**490**
MMC457						116	120	4	0.07	270
MMC457						126	146	20	0.13	340
MMC457						150	162	12	0.08	100
MMC458	6,773,132	496,502	403.8	192	-60/135	20	30	10	0.07	160
MMC458						50	56	6	0.10	260
MMC458						70	94	24	0.09	210
MMC458						98	102	4	0.10	320
MMC458						118	142	24	0.14	390
MMC458						146	162	16	0.09	500
MMC458						172	176	4	0.08	130
MMC458						182	190	8	0.11	90
MMC459	6,773,160	496,474	404.6	200	-60/135	**0**	**34**	**34**	**0.18**	**200**
MMC459						48	52	4	0.06	270
MMC459						72	78	6	0.08	50
MMC459						94	98	4	0.10	10
MMC459						102	116	14	0.08	450
MMC459						130	140	10	0.07	380
MMC459						144	166	22	0.08	320
MMC459						170	180	10	0.10	550
MMC459						184	192	8	0.13	140
MMC460	6,773,188	496,445	402.7	210	-60/135	0	16	16	0.17	350
MMC460						**20**	**50**	**30**	**0.17**	**470**
MMC460						**54**	**80**	**26**	**0.15**	**420**
MMC460						92	110	18	0.09	470
MMC460						134	158	24	0.08	380
MMC460						168	176	8	0.22	120
MMC460						188	192	4	0.06	80
MMC460						198	204	6	0.09	50
MMC461	6,773,216	496,417	400.2	222	-60/135	**0**	**48**	**48**	**0.11**	**150**

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Mulgine Trench Drilling - Significant Tungsten Mineralisation (>3m at 0.05% WO_3 cut off)										
Hole No	MGA Coordinates				Intersections					
	Northing (m)	Easting (m)	RL (m)	Depth (m)	Dip/ Azim	From (m)	To (m)	Interval (m)	WO_3 (%)	Mo (ppm)
MMC461						66	70	4	0.08	370
MMC461						**88**	**122**	**34**	**0.16**	**760**
MMC461						**128**	**162**	**34**	**0.09**	**300**
MMC461						166	176	10	0.09	530
MMC461						180	208	28	0.12	350
MMC462	6,773,245	496,388	397.7	240	-60/135	12	24	12	0.09	80
MMC462						30	34	4	0.06	60
MMC462						40	56	16	0.09	70
MMC462						62	72	10	0.12	250
MMC462						88	104	16	0.12	970
MMC462						**110**	**186**	**76**	**0.11**	**450**
MMC462						200	204	4	0.10	470
MMC462						210	222	12	0.14	290
MMC462						228	240	12	0.17	220
MMC463	6,773,271	496,361	397.7	258	-60/135	20	26	6	0.05	50
MMC463						60	80	20	0.10	150
MMC463						90	110	20	0.16	290
MMC463						120	126	6	0.10	1170
MMC463						136	144	8	0.08	750
MMC463						**152**	**180**	**28**	**0.15**	**270**
MMC463						188	204	16	0.07	760
MMC463						**206**	**230**	**24**	**0.15**	**280**
MMC463						234	258	24	0.11	300
MMC464	6,772,990	496,532	408.1	150	-60/135	2	6	4	0.08	1010
MMC464						18	46	28	0.08	480
MMC464						**50**	**90**	**40**	**0.08**	**280**
MMC464						98	110	12	0.11	220
MMC464						116	132	16	0.09	160
MMC464						134	140	6	0.06	70
MMC467	6,773,103	496,417	398.5	228	-60/135	2	18	16	0.14	420
MMC467						26	56	30	0.11	310
MMC467						62	72	10	0.19	140
MMC467						82	88	6	0.06	270
MMC467						98	102	4	0.17	710
MMC467						138	144	6	0.08	290
MMC467						**148**	**178**	**30**	**0.14**	**350**
MMC467						214	218	4	0.06	100
MMC467						220	226	6	0.09	90
MMC468	6,773,131	496,389	398.1	252	-60/135	0	24	24	0.12	170
MMC468						28	40	12	0.10	210
MMC468						**46**	**84**	**38**	**0.10**	**330**
MMC468						92	120	28	0.07	150
MMC468						126	132	6	0.12	260

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Mulgine Trench Drilling - Significant Tungsten Mineralisation (>3m at 0.05% WO_3 cut off)										
Hole No	MGA Coordinates				Intersections					
	Northing (m)	Easting (m)	RL (m)	Depth (m)	Dip/ Azim	From (m)	To (m)	Interval (m)	WO_3 (%)	Mo (ppm)
MMC468						136	148	12	0.09	370
MMC468						**152**	**170**	**18**	**0.14**	**550**
MMC468						**174**	**230**	**56**	**0.13**	**320**
MMC468						240	244	4	0.07	170
MMC468						248	252	4	0.08	50

2m cone split RC samples were submitted to Bureau Veritas Minerals Pty Ltd, Canning Vale WA for WO_3 by XRF and Mo by XRF or by Laser Ablation ICP-MS. Lower cut-off grade 0.05% WO_3 with up to 2m of interval waste, no top cut grade. True thickness is 90 - 100% of intersection length for inclined holes. Grid coordinates are MGA Zone 50.

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Appendix 2

Intersections greater than 2 metres at 200 ppm Mo in Mulgine Trench Drilling

Mulgine Trench Drilling - Significant Molybdenum Mineralisation (>3m at 200 ppm Mo cut off)										
Hole No	MGA Coordinates				Intersections					
	Northing (m)	Easting (m)	RL (m)	Depth (m)	Dip/ Azim	From (m)	To (m)	Interval (m)	WO_3 (%)	Mo (ppm)
MMC350	6,772,506	496,166	411	156	-60/135	**0**	**32**	**32**	**0.09**	**600**
MMC350						**50**	**102**	**52**	**0.07**	**330**
MMC350						128	132	4	0.07	240
MMC397	6,773,186	496,506	405	264	-60/135	16	26	10	0.19	880
MMC397						**34**	**76**	**42**	**0.09**	**740**
MMC397						82	102	20	0.08	600
MMC397						116	132	16	0.08	390
MMC397						148	158	10	0.04	240
MMC397						164	170	6	0.07	510
MMC398	6,773,216	496,473	404	234	-60/135	**10**	**62**	**52**	**0.11**	**310**
MMC398						**68**	**124**	**56**	**0.14**	**740**
MMC398						**132**	**166**	**34**	**0.10**	**450**
MMC398						172	178	6	0.14	520
MMC398						206	210	4	0.08	300
MMC399	6,773,245	496,445	401	210	-60/135	0	16	16	0.10	350
MMC399						30	42	12	0.20	350
MMC399						68	80	12	0.08	440
MMC399						84	102	18	0.15	550
MMC399						114	118	4	0.06	340
MMC399						**122**	**188**	**66**	**0.08**	**650**
MMC399						198	204	6	0.11	280
MMC400	6,773,242	496,562	407	150	-55/135	18	30	12	0.07	350
MMC400						36	66	30	0.08	450
MMC400						76	80	4	0.04	680
MMC400						84	98	14	0.16	920
MMC400						104	114	10	0.02	280
MMC400						118	124	6	0.01	910
MMC400						134	138	4	0.10	360
MMC406	6,772,364	496,139	409	132	-60/135	0	20	20	0.12	530
MMC406						24	42	18	0.10	320
MMC406						118	122	4	0.03	520
MMC407	6,772,392	496,110	408	174	-60/135	**8**	**74**	**66**	**0.08**	**470**
MMC407						136	144	8	0.04	230
MMC407						162	166	4	0.08	450
MMC408	6,772,420	496,082	408	162	-60/135	2	6	4	0.10	310
MMC408						36	40	4	0.06	400
MMC408						48	56	8	0.06	700
MMC408						**62**	**88**	**26**	**0.16**	**650**
MMC408						134	138	4	0.04	210
MMC408						146	154	8	0.01	290

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Mulgine Trench Drilling - Significant Molybdenum Mineralisation (>3m at 200 ppm Mo cut off)										
Hole No	MGA Coordinates				Intersections					
	Northing (m)	Easting (m)	RL (m)	Depth (m)	Dip/ Azim	From (m)	To (m)	Interval (m)	WO_3 (%)	Mo (ppm)
MMC409	6,772,431	496,074	405	174	-70/135	**30**	**108**	**78**	**0.10**	**660**
MMC409						112	116	4	0.10	210
MMC409						142	146	4	0.04	270
MMC409						158	168	10	0.02	440
MMC410	6,772,477	496,025	399	192	-60/135	28	30	4	0.03	320
MMC410						68	84	16	0.07	380
MMC410						88	114	26	0.06	590
MMC410						188	192	4	0.03	210
MMC411	6,772,621	496,335	402	108	-60/135	**2**	**54**	**52**	**0.11**	**450**
MMC411						58	64	6	0.04	270
MMC411						84	92	8	0.09	250
MMC412	6,772,649	496,307	402	132	-60/135	2	24	22	0.17	380
MMC412						**28**	**80**	**52**	**0.15**	**480**
MMC412						98	102	4	0.06	230
MMC412						106	112	6	0.09	440
MMC412						118	122	4	0.01	480
MMC413	6,772,705	496,250	400	186	-60/135	4	24	20	0.10	390
MMC413						30	38	8	0.04	930
MMC413						48	58	10	0.05	320
MMC413						64	68	4	0.24	380
MMC413						**72**	**110**	**38**	**0.10**	**480**
MMC413						116	122	6	0.08	360
MMC413						144	148	4	0.10	250
MMC413						156	160	4	0.14	370
MMC413						170	174	4	0.02	410
MMC413						182	186	4	0.00	610
MMC414	6,772,733	496,221	399	210	-60/135	0	8	8	0.11	420
MMC414						**34**	**72**	**38**	**0.15**	**680**
MMC414						82	86	4	0.11	440
MMC414						94	98	4	0.08	290
MMC414						104	130	26	0.09	510
MMC414						134	156	22	0.06	340
MMC414						160	174	14	0.09	360
MMC414						182	190	8	0.07	800
MMC415	6,772,761	496,193	397	234	-60/135	**62**	**96**	**34**	**0.09**	**570**
MMC415						100	104	4	0.12	280
MMC415						108	144	36	0.08	390
MMC415						154	158	4	0.05	260
MMC415						174	188	14	0.04	430
MMC415						198	204	6	0.20	380
MMC415						228	234	6	0.08	400
MMC416	6,772,791	496,391	411	114	-60/135	0	34	34	0.09	440
MMC416						46	64	18	0.10	420

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Mulgine Trench Drilling - Significant Molybdenum Mineralisation (>3m at 200 ppm Mo cut off)										
Hole No	MGA Coordinates				Intersections					
	Northing (m)	Easting (m)	RL (m)	Depth (m)	Dip/ Azim	From (m)	To (m)	Interval (m)	WO_3 (%)	Mo (ppm)
MMC416						78	96	18	0.10	460
MMC417	6,772,819	496,363	410	138	-60/135	6	12	6	0.15	370
MMC417						30	36	6	0.20	270
MMC417						46	84	38	0.09	410
MMC417						88	108	20	0.11	300
MMC418	6,772,847	496,334	411	174	-60/135	**0**	**34**	**34**	**0.13**	**360**
MMC418						40	44	4	0.04	260
MMC418						48	62	14	0.11	1030
MMC418						**66**	**114**	**48**	**0.10**	**360**
MMC418						116	126	10	0.13	240
MMC418						138	142	4	0.08	300
MMC419	6,772,904	496,277	408	196	-60/135	6	10	4	0.19	230
MMC419						38	46	8	0.09	560
MMC419						54	66	12	0.12	370
MMC419						**72**	**126**	**54**	**0.12**	**630**
MMC419						134	150	16	0.13	450
MMC419						156	160	4	0.07	600
MMC419						166	170	4	0.08	390
MMC420	6,772,932	496,248	406	228	-60/135	42	68	26	0.10	410
MMC420						78	96	18	0.11	490
MMC420						**100**	**136**	**36**	**0.12**	**840**
MMC420						152	168	16	0.12	460
MMC420						176	184	8	0.04	300
MMC421	6,772,869	496,426	405	144	-60/135	6	10	4	0.04	200
MMC421						**12**	**76**	**64**	**0.09**	**520**
MMC421						92	98	6	0.11	330
MMC421						116	120	4	0.09	230
MMC421						130	138	8	0.07	320
MMC422	6,772,897	496,397	404	156	-60/135	2	12	10	0.10	360
MMC422						**24**	**90**	**66**	**0.12**	**670**
MMC422						102	112	10	0.12	340
MMC422						116	124	8	0.11	250
MMC422						132	140	8	0.06	330
MMC423	6,772,926	496,369	403	180	-60/135	24	34	10	0.13	650
MMC423						**38**	**100**	**62**	**0.12**	**770**
MMC423						104	122	18	0.06	430
MMC423						128	138	10	0.08	270
MMC423						152	164	12	0.05	320
MMC423						172	180	8	0.06	420
MMC424	6,772,954	496,340	402	210	-60/135	0	12	12	0.03	390
MMC424						26	30	4	0.12	290
MMC424						36	40	4	0.09	410
MMC424						**44**	**122**	**78**	**0.10**	**600**

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Mulgine Trench Drilling - Significant Molybdenum Mineralisation (>3m at 200 ppm Mo cut off)										
Hole No	MGA Coordinates				Intersections					
	Northing (m)	Easting (m)	RL (m)	Depth (m)	Dip/ Azim	From (m)	To (m)	Interval (m)	WO_3 (%)	Mo (ppm)
MMC424						126	142	16	0.11	640
MMC424						184	194	10	0.03	240
MMC424						206	210	4	0.05	270
MMC425	6,772,982	496,312	402	209	-60/135	48	72	24	0.09	290
MMC425						**82**	**138**	**56**	**0.09**	**640**
MMC425						144	162	18	0.12	270
MMC425						194	198	4	0.16	270
MMC425						204	209	5	0.05	1520
MMC426	6,772,876	496,305	412	210	-60/135	0	16	16	0.09	420
MMC426						**42**	**112**	**70**	**0.15**	**390**
MMC426						120	134	14	0.07	320
MMC426						142	146	4	0.06	270
MMC451	6,773,260	496,544	405	138	-60/135	10	16	6	0.12	350
MMC451						32	36	4	0.05	340
MMC451						44	52	8	0.03	480
MMC451						56	60	4	0.10	320
MMC451						66	74	8	0.04	570
MMC451						78	84	6	0.06	230
MMC451						98	126	28	0.05	500
MMC451						134	138	4	0.03	2450
MMC452	6,773,288	496,515	402	162	-60/135	58	64	6	0.06	400
MMC452						78	98	20	0.09	400
MMC452						**120**	**148**	**28**	**0.13**	**720**
MMC452						158	162	4	0.04	220
MMC453	6,773,316	496,487	400	180	-60/135	78	84	6	0.07	270
MMC453						88	92	4	0.08	220
MMC453						100	108	8	0.11	380
MMC453						112	136	24	0.08	640
MMC453						144	164	20	0.06	480
MMC453						168	174	6	0.13	270
MMC454	6,773,344	496,458	400	204	-60/135	34	40	6	0.26	250
MMC454						68	72	4	0.09	300
MMC454						104	108	4	0.04	320
MMC454						114	126	12	0.04	490
MMC454						130	134	4	0.18	320
MMC454						154	158	4	0.12	360
MMC454						168	180	12	0.07	650
MMC454						190	204	14	0.14	400
MMC455	6,773,372	496,430	400	246	-60/135	**92**	**124**	**32**	**0.07**	**810**
MMC455						130	138	8	0.09	1110
MMC455						150	156	6	0.13	380
MMC455						164	168	4	0.05	360
MMC455						188	206	18	0.12	410

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Mulgine Trench Drilling - Significant Molybdenum Mineralisation (>3m at 200 ppm Mo cut off)										
Hole No	MGA Coordinates				Intersections					
	Northing (m)	Easting (m)	RL (m)	Depth (m)	Dip/ Azim	From (m)	To (m)	Interval (m)	WO_3 (%)	Mo (ppm)
MMC455						220	234	14	0.14	1140
MMC455						242	246	4	0.11	220
MMC456	6,773,175	496,630	409	135	-60/135	18	30	12	0.10	370
MMC456						38	42	4	0.04	230
MMC456						46	66	20	0.05	510
MMC456						70	82	12	0.06	390
MMC456						102	112	10	0.07	320
MMC456						128	132	4	0.09	330
MMC457	6,773,203	496,601	409	162	-60/135	**10**	**50**	**40**	**0.11**	**870**
MMC457						64	84	20	0.05	660
MMC457						90	100	10	0.07	400
MMC457						106	122	16	0.04	700
MMC457						124	134	10	0.10	540
MMC458	6,773,132	496,502	404	192	-60/135	28	48	20	0.04	240
MMC458						62	70	8	0.04	690
MMC458						78	84	6	0.15	290
MMC458						88	110	22	0.06	280
MMC458						128	150	22	0.14	580
MMC458						156	164	8	0.07	670
MMC458						170	174	4	0.06	300
MMC459	6,773,160	496,474	405	200	-60/135	20	40	20	0.12	400
MMC459						48	52	4	0.06	270
MMC459						108	126	18	0.05	500
MMC459						132	158	26	0.08	430
MMC459						166	176	10	0.09	690
MMC460	6,773,188	496,445	403	210	-60/135	6	16	10	0.16	420
MMC460						24	30	6	0.17	370
MMC460						**40**	**70**	**30**	**0.15**	**620**
MMC460						72	86	14	0.15	640
MMC460						94	110	16	0.09	500
MMC460						122	154	32	0.06	460
MMC460						162	166	4	0.06	500
MMC460						182	186	4	0.04	610
MMC461	6,773,216	496,417	400	222	-60/135	8	16	8	0.13	240
MMC461						38	44	6	0.07	270
MMC461						60	76	16	0.05	350
MMC461						80	130	50	0.12	710
MMC461						**140**	**180**	**40**	**0.08**	**470**
MMC461						**184**	**190**	**6**	**0.06**	**240**
MMC461						192	216	24	0.11	440
MMC462	6,773,245	496,388	398	240	-60/135	68	76	8	0.06	410
MMC462						**82**	**126**	**44**	**0.09**	**560**
MMC462						130	148	18	0.13	690

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Mulgine Trench Drilling - Significant Molybdenum Mineralisation (>3m at 200 ppm Mo cut off)										
Hole No	MGA Coordinates				Intersections					
	Northing (m)	Easting (m)	RL (m)	Depth (m)	Dip/ Azim	From (m)	To (m)	Interval (m)	WO_3 (%)	Mo (ppm)
MMC462						152	162	10	0.10	1010
MMC462						172	188	16	0.08	300
MMC462						200	216	16	0.07	400
MMC462						230	240	10	0.18	240
MMC463	6,773,271	496,361	398	258	-60/135	72	76	4	0.10	320
MMC463						86	98	12	0.14	340
MMC463						104	126	22	0.07	570
MMC463						130	158	28	0.06	620
MMC463						160	176	16	0.18	350
MMC463						182	198	16	0.07	1000
MMC463						206	214	8	0.26	330
MMC463						234	246	12	0.09	310
MMC463						254	258	4	0.06	700
MMC464	6,772,990	496,532	408	150	-60/135	**0**	**44**	**44**	**0.06**	**660**
MMC464						62	70	8	0.09	390
MMC464						78	82	4	0.08	790
MMC464						88	102	14	0.07	640
MMC464						110	114	4	0.04	250
MMC464						120	124	4	0.07	330
MMC467	6,773,103	496,417	399	228	-60/135	2	30	28	0.11	340
MMC467						36	50	14	0.12	490
MMC467						56	60	4	0.03	350
MMC467						80	84	4	0.06	390
MMC467						88	102	14	0.08	890
MMC467						118	124	6	0.05	320
MMC467						134	148	14	0.05	280
MMC467						152	168	16	0.12	520
MMC467						180	190	10	0.05	250
MMC467						204	210	6	0.11	250
MMC468	6,773,131	496,389	398	252	-60/135	20	24	4	0.05	330
MMC468						34	40	6	0.12	330
MMC468						48	68	20	0.09	450
MMC468						72	76	4	0.14	270
MMC468						82	86	4	0.07	460
MMC468						108	116	8	0.07	300
MMC468						**130**	**170**	**40**	**0.11**	**460**
MMC468						180	184	4	0.08	350
MMC468						190	210	20	0.12	530

2m cone split RC samples submitted to Bureau Veritas Minerals Pty Ltd, Canning Vale WA for WO_3 by XRF and Mo by XRF or by Laser Ablation ICP-MS. Lower cut-off grade 200 ppm Mo with up to 3m of interval waste, no top cut grade. True thickness is 90 - 100% of intersection length for inclined holes. Grid coordinates are MGA Zone 50.

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Appendix 3

Intersections greater than 10 metres at 0.10 ppm Au in Mulgine Trench Drilling

					Mulgine Trench Drilling - Significant Gold Mineralisation (at 0.10 ppm Au cut off)						
Hole No	MGA Coordinates				Intersections						
	Northing (m)	Easting (m)	Depth (m)	Dip/ Azim	From (m)	To (m)	Interval (m)	Au (ppm)	WO_3 (%)	Mo (ppm)	Ag (ppm)
MMC350	6,772,506	496,166	156	-60/135	**16**	**40**	**24**	**0.63**	**0.07**	**200**	**6.6**
MMC397	6,773,186	496,506	264	-60/135	**4**	**52**	**48**	**0.28**	**0.13**	**500**	**7.0**
MMC397					**54**	**100**	**46**	**0.21**	**0.09**	**610**	**10.0**
MMC397					126	140	14	0.12	0.18	300	10.7
MMC397					222	234	12	0.15	0.22	130	6.5
MMC398	6,773,216	496,473	234	-60/135	12	40	28	0.19	0.11	270	5.5
MMC398					104	126	22	0.19	0.05	830	9.2
MMC399	6,773,245	496,445	210	-60/135	138	150	12	0.26	0.07	1890	7.9
MMC400	6,773,242	496,562	150	-55/135	12	30	18	0.37	0.06	240	3.1
MMC400					100	112	12	0.15	0.06	220	9.0
MMC400					132	146	14	0.15	0.09	210	11.8
MMC406	6,772,364	496,139	132	-60/135	0	14	14	0.26	0.15	630	1.2
MMC406					18	40	22	0.3	0.09	300	2.7
MMC406					86	96	10	0.55	0.10	100	2.9
MMC406					118	128	10	0.37	0.02	270	0.9
MMC407	6,772,392	496,110	174	-60/135	22	38	16	0.35	0.12	390	4.9
MMC407					40	56	16	0.36	0.11	960	4.4
MMC407					**90**	**126**	**36**	**0.33**	**0.07**	**90**	**2.4**
MMC407					**130**	**166**	**36**	**0.29**	**0.04**	**150**	**1.5**
MMC408	6,772,420	496,082	162	-60/135	8	18	10	0.17	0.10	120	5.0
MMC408					98	114	16	0.15	0.05	130	2.1
MMC408					**122**	**162**	**40**	**0.29**	**0.04**	**130**	**1.6**
MMC409	6,772,431	496,074	174	-70/135	34	46	12	0.38	0.14	300	9.8
MMC409					48	62	14	0.16	0.09	600	8.0
MMC409					76	96	20	0.48	0.09	670	7.7
MMC409					100	126	26	0.19	0.10	570	2.5
MMC409					146	174	28	0.31	0.04	210	1.8
MMC410	6,772,477	496,025	192	-60/135	0	22	22	0.20	0.08	60	5.1
MMC410					70	80	10	0.43	0.06	380	10.4
MMC410					98	114	16	0.28	0.07	430	6.0
MMC410					130	168	38	0.25	0.09	130	3.0
MMC410					**180**	**192**	**12**	**0.98**	**0.02**	**170**	**2.3**
MMC411	6,772,621	496,335	108	-60/135	24	40	16	0.25	0.08	510	4.9
MMC412	6,772,649	496,307	132	-60/135	50	64	14	0.19	0.21	900	5.0
MMC413	6,772,705	496,250	186	-60/135	16	46	30	0.29	0.09	420	5.7
MMC414	6,772,733	496,221	210	-60/135	**36**	**68**	**32**	**0.32**	**0.17**	**740**	**8.4**
MMC415	6,772,761	496,193	234	-60/135	**56**	**88**	**32**	**0.41**	**0.11**	**500**	**7.8**
MMC415					116	126	10	0.18	0.10	640	12.0
MMC415					208	218	10	0.36	0.03	140	3.5
MMC416	6,772,791	496,391	114	-60/135	**76**	**100**	**24**	**0.45**	**0.10**	**380**	**9.7**
MMC417	6,772,819	496,363	138	-60/135	0	20	20	0.15	0.11	200	2.4
MMC417					24	40	16	0.31	0.14	230	9.9
MMC417					94	114	20	0.37	0.12	270	5.0
MMC418	6,772,847	496,334	174	-60/135	**2**	**58**	**56**	**0.31**	**0.14**	**470**	**6.4**

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		Mulgine Trench Drilling - Significant Gold Mineralisation (at 0.10 ppm Au cut off)									
Hole No	MGA Coordinates				Intersections						
	Northing (m)	Easting (m)	Depth (m)	Dip/ Azim	From (m)	To (m)	Interval (m)	Au (ppm)	WO_3 (%)	Mo (ppm)	Ag (ppm)
MMC419	6,772,904	496,277	196	-60/135	78	88	10	0.24	0.13	310	8.4
MMC419					92	114	22	0.33	0.10	1040	9.7
MMC420	6,772,932	496,248	228	-60/135	30	52	22	0.32	0.13	180	6.7
MMC420					92	116	24	0.38	0.11	420	13.4
MMC421	6,772,869	496,426	144	-60/135	4	26	22	0.61	0.08	640	1.6
MMC421					60	76	16	0.43	0.12	410	12.4
MMC422	6,772,897	496,397	156	-60/135	20	42	22	0.26	0.05	560	7.8
MMC423	6,772,926	496,369	180	-60/135	**22**	**56**	**34**	**0.35**	**0.11**	**610**	**9.7**
MMC423					170	180	10	0.20	0.07	350	7.9
MMC424	6,772,954	496,340	210	-60/135	10	32	22	0.35	0.07	200	2.8
MMC424					128	140	12	0.17	0.09	750	14.1
MMC425	6,772,982	496,312	209	-60/135	40	60	20	0.42	0.08	230	9.1
MMC425					**94**	**110**	**16**	**0.90**	**0.05**	**830**	**20.0**
MMC426	6,772,876	496,305	210	-60/135	0	12	12	0.27	0.08	490	3.0
MMC426					58	94	36	0.22	0.17	370	10.0
MMC451	6,773,260	496,544	138	-60/135	**2**	**44**	**42**	**0.29**	**0.09**	**160**	**7.0**
MMC451					110	138	28	0.21	0.03	580	7.9
MMC452	6,773,288	496,515	162	-60/135	40	66	26	0.35	0.08	130	12.1
MMC453	6,773,316	496,487	180	-60/135	68	96	28	0.16	0.06	150	7.8
MMC453					122	132	10	0.23	0.09	860	19.9
MMC454	6,773,344	496,458	204	-60/135	106	118	12	0.13	0.03	400	7.2
MMC455	6,773,372	496,430	246	-60/135	94	114	20	0.25	0.08	1030	6.0
MMC455					144	158	14	0.21	0.14	240	9.8
MMC455					180	198	18	0.13	0.11	310	6.1
MMC456	6,773,175	496,630	135	-60/135	16	28	12	0.29	0.10	330	7.1
MMC456					**46**	**106**	**60**	**0.36**	**0.06**	**310**	**21.1**
MMC457	6,773,203	496,601	162	-60/135	**0**	**32**	**32**	**0.33**	**0.11**	**650**	**7.4**
MMC457					40	60	20	0.19	0.13	570	13.6
MMC457					80	94	14	0.16	0.03	520	11.9
MMC457					98	118	20	0.24	0.04	570	11.8
MMC457					124	134	10	0.28	0.10	540	9.5
MMC458	6,773,132	496,502	192	-60/135	14	30	16	0.21	0.05	120	5.8
MMC458					62	86	24	0.22	0.08	350	26.9
MMC458					170	192	22	0.19	0.07	110	8.8
MMC459	6,773,160	496,474	200	-60/135	12	36	24	0.29	0.18	310	4.5
MMC460	6,773,188	496,445	210	-60/135	**0**	**34**	**34**	**0.65**	**0.14**	**260**	**3.5**
MMC460					40	54	14	0.12	0.20	960	6.0
MMC460					56	82	26	0.17	0.14	420	14.6
MMC460					104	116	12	0.14	0.05	370	11.2
MMC460					192	204	12	0.13	0.05	80	10.0
MMC461	6,773,216	496,417	222	-60/135	10	30	20	0.27	0.12	110	4.5
MMC461					38	48	10	0.37	0.07	210	8.8
MMC461					104	120	16	0.41	0.22	1000	15.1
MMC461					124	136	12	0.26	0.06	310	11.7
MMC462	6,773,245	496,388	240	-60/135	128	138	10	0.2	0.13	540	13.9
MMC462					154	170	16	0.49	0.15	670	30.5
MMC462					212	228	16	0.16	0.11	230	6.6
MMC463	6,773,271	496,361	258	-60/135	74	84	10	0.12	0.06	160	3.3

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		Mulgine Trench Drilling - Significant Gold Mineralisation (at 0.10 ppm Au cut off)									
Hole No	MGA Coordinates				Intersections						
	Northing (m)	Easting (m)	Depth (m)	Dip/ Azim	From (m)	To (m)	Interval (m)	Au (ppm)	WO_3 (%)	Mo (ppm)	Ag (ppm)
MMC463					88	98	10	0.42	0.16	330	17.5
MMC463					164	190	26	0.25	0.13	400	12.9
MMC463					240	254	14	0.18	0.15	220	7.4
MMC464	6,772,990	496,532	150	-60/135	14	30	16	0.29	0.07	710	2.5
MMC464					76	90	14	0.15	0.07	360	6.3
MMC464					106	128	22	0.27	0.08	170	8.1
MMC467	6,773,103	496,417	228	-60/135	0	24	24	0.35	0.10	340	2.9
MMC467					36	52	16	0.4	0.12	440	6.9
MMC467					152	166	14	0.2	0.12	530	9.7
MMC467					196	214	18	0.16	0.07	150	7.5
MMC468	6,773,131	496,389	252	-60/135	60	76	16	0.17	0.10	410	7.7
MMC468					224	242	18	0.2	0.14	210	7.0

2m cone split RC samples were submitted to Bureau Veritas Minerals Pty Ltd, Canning Vale WA for WO_3 by XRF and Mo by XRF or Laser Ablation ICP-MS. Lower cut-off grade 0.05% WO_3 with up to 2m of interval waste, no top cut grade. True thickness is 90 - 100% of intersection length for inclined holes. Grid coordinates are MGA Zone 50.

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Appendix 4 - JORC Code Reporting Criteria

Section 1: Sampling Techniques and Data

Criteria	JORC Code explanation	Commentary
Sampling techniques	*Nature and quality of sampling (e.g. cut channels, random chips, or specific specialised industry standard measurement tools appropriate to the minerals under investigation, such as down hole gamma sondes, or handheld XRF instruments, etc). These examples should not be taken as limiting the broad meaning of sampling.*	During August 2016, TGN drilled 9 RC holes for 476 metres and one large diameter (PQ) diamond hole for 31.6 metres at Mulgine Trench to test tungsten mineralisation adjacent to and beneath the Bobby McGee pit In September 2018, TGN drilled 4 PQ diamond holes (528.2 m) into the Trench deposit to collect metallurgical samples and twin RC and diamond holes. From 12 July 2019 to present, the Company has drilled 220 RC holes for 36,931 metres. At the time of writing, Tungsten Mining had received results from 181 holes of the 220 RC holes and results reported in this announcement relate to 42 of these holes.
	Include reference to measures taken to ensure sample representivity and the appropriate calibration of any measurement tools or systems used	TGN drillhole collar locations for the first 121 holes were picked up by a licenced surveyor using a Topcon GNSS with manufacturer's specifications of +/- 10mm N,E and +/15mm Z. Remaining holes (including holes being reported in this announcement) were marked out with a Hemisphere R120 DGPS with sub-metre accuracy. Downhole surveying was measured by the drill contractors using a Champ North Seeking solid state gyroscopic system in the drill rods. Accuracy is ±0.75° for azimuth and ±0.15° for inclination. Certified standards were inserted into the sample sequences in according to TGN QAQC procedures. Duplicate samples were collected to check repeatability of sampling and variability or nugget effect for tungsten mineralisation. Blanks were inserted into the sample stream behind high-grade samples to test contamination. Results from this QAQC sampling were considered good.
	Aspects of the determination of mineralisation that are Material to the Public Report. In cases where 'industry standard' work has been done this would be relatively simple (e.g. 'reverse circulation drilling was used to obtain 1 m samples from which 3 kg was pulverised to produce a 30 g charge for fire assay'). In other cases more explanation may be required, such as where there is coarse gold that has inherent sampling problems. Unusual commodities or mineralisation types (e.g. submarine nodules) may warrant disclosure of detailed information	Given the style of mineralisation present at Mulgine Trench, Tungsten Mining ran an orientation survey to determine the acceptability of 2m sampling intervals. From this orientation work, it was concluded there was no discernible evidence that increasing the downhole sample interval from one to two metres materially impacts either accuracy or precision of the assay results. RC holes MMC265 – MMC291 and MMC301 – MMC309 were sampled at 1 m intervals from the cyclone and split using a cone splitter immediately beneath the cyclone to produce two representative 3 - 5 kg 1m-samples in calico bags. For all remaining holes, samples were split using a cone splitter to produce two representative 3 - 5 kg 2m-samples in calico bags. The bulk reject material was collected at 1 m intervals from the cyclone and placed on the ground for geological logging. The cone splitter was cleaned by hosing with pressurised air to eliminate sample contamination. Two samples were collected; one is used for analysis and the other is retained as a reference or for possible re-analysing / QAQC activities. Samples from the current drilling programme were submitted to Bureau Veritas Minerals Pty Ltd of Canningvale, WA, for a standard XRF Tungsten Suite and 40 gram fire assay for gold analysis. A second suite of elements including silver and molybdenum were analysed by Laser Ablation ICP-MS.
Drilling techniques	*Drill type (e.g. core, reverse circulation, open-hole hammer, rotary air blast, auger, Bangka, sonic, etc) and details (e.g. core diameter, triple or standard tube, depth of diamond tails, face-sampling bit or other type, whether core is oriented and if so, by what method, etc).*	TGN completed 220 RC drillholes with depths ranging from 6 to 300 m, averaging 168 m. RC drilling used a face-sampling hammer that produced a nominal 140 mm diameter hole. TGN diamond and RC holes were surveyed in-rods at 20 - 30 m intervals using a North Seeking gyroscopic probe.

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Criteria	JORC Code explanation	Commentary
Drill sample recovery	*Method of recording and assessing core and chip sample recoveries and results assessed*	RC and diamond recovery was visually assessed, recorded on drill logs and considered to be acceptable.
	Measures taken to maximise sample recovery and ensure representative nature of the samples	RC samples collected by TGN were visually checked for recovery, moisture and contamination. A cyclone and cone splitter was used to provide a uniform sample and these were routinely cleaned. The drill contractor blew out the hole at the beginning of each drill rod to remove excess water and maintain dry samples.
	Whether a relationship exists between sample recovery and grade and whether sample bias may have occurred due to preferential loss/gain of fine/coarse material.	Ground conditions for RC drilling were good and drilling returned consistent size samples. All RC samples were dry and contamination would be minimal. No significant bias is expected, and any potential bias is not considered material at this stage.
Logging	*Whether core and chip samples have been geologically and geotechnically logged to a level of detail to support appropriate Mineral Resource estimation, mining studies and metallurgical studies.*	TGN uses specially designed drill logs for tungsten mineralisation to capture the geological data. During logging, part of the RC sample is washed, logged and placed into chip trays. During the 2019/2020 drilling programme, a second set of partially sieved material is stored in chip trays for mineral identification by a near-IR spectral scanner (PANalytical TerraSpec Halo). The washed chip trays are stored in sea containers on site and Halo chip trays stored at TGN's Gnangara warehouse. All drill data is digitally captured and stored in a central database.
	Whether logging is qualitative or quantitative in nature. Core (or costean, channel, etc) photography.	RC chip logging included records of lithology, mineralogy, textures, oxidation state and colour. Key minerals associated with tungsten mineralisation and veining are recorded.
	The total length and percentage of the relevant intersections logged	All TGN drill holes were logged in full.
Sub-sampling techniques and sample preparation	*If core, whether cut or sawn and whether quarter, half or all core taken.*	PQ metallurgical core was cut in half and then quartered. 1 metre samples of quarter core for PQ holes were submitted to Nagrom for XRF analysis.
	If non-core, whether riffled, tube sampled, rotary split, etc and whether sampled wet or dry.	TGN RC samples were collected on the rig by a cyclone. Material was split by a cone splitter immediately beneath the cyclone to produce two 3 - 5 kg samples.
	For all sample types, the nature, quality and appropriateness of the sample preparation technique.	Samples from the current drilling programme were submitted to Bureau Veritas Minerals Pty Ltd of Canningvale, WA and dried, split if over 2.5 kg and pulverised in robotic vibrating disc pulveriser.
	Quality control procedures adopted for all sub-sampling stages to maximise representivity of samples.	TGN's QAQC procedures included the insertion of field duplicates, blanks and commercial standards. Duplicates, blanks and standards were inserted at intervals of one in 25. Geological logging and UV lamping was used to ensure duplicate and blank samples were from mineralised intervals.
	Measures taken to ensure that the sampling is representative of the in situ material collected, including for instance results for field duplicate/second-half sampling.	TGN inserted 1 in 25 RC field duplicates taken from 1 m or 2 m cone split samples at the rig. Repeatability in RC duplicate samples was found to be excellent. Four PQ diamond holes and six RC hole have twined other RC and diamond drilling at Mulgine Trench. These holes intersected similar grade and thickness of WO_3, Mo, Au and Ag mineralisation at target depths. Individual high grade zones did demonstrate the particulate or nuggetty nature of mineralisation present.

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Criteria	JORC Code explanation	Commentary
	Whether sample sizes are appropriate to the grain size of the material being sampled.	Assays from duplicate samples showed a low - moderate scatter (R^2 0.82) for tungsten with no systematic bias. This is consistent with the style of mineralisation present, coarse grained scheelite associated with quartz veining. Molybdenum and silver results from duplicate samples showed good correlation with an R^2 of 0.94 and 0.92 respectively. Gold results from duplicate samples showed a higher degree of scatter with an R^2 of 0.62. This is interpreted to be related to the nugget effect or particulate nature of gold mineralisation at Mulgine Trench. The larger sample size of approximately 40 kg per metre collected by RC drilling is considered more appropriate than small diameter diamond holes and therefore sample sizes are considered to be acceptable to accurately represent the tungsten, molybdenum, silver and gold mineralisation present at Mulgine Trench
Quality of assay data and laboratory tests	*The nature, quality and appropriateness of the assaying and laboratory procedures used and whether the technique is considered partial or total.*	Tungsten Mining assays samples for a tungsten suite by XRF. XRF has proven to be a very accurate analytical technique for a wide range of base metals, trace elements and major constituents found in rocks and mineral materials. Glass fusion XRF is utilised for assaying, since it provides good accuracy and precision; it is suitable for analysis from very low levels up to very high levels. Gold was assayed by 40g charge lead collection fire assay with silver used as secondary collector. Fire assay is regarded as the preferred method for quantitative gold analysis. For Phase 1 drilling, a suite of 40 elements including tungsten, molybdenum and silver were assayed by Fused Bead Laser Ablation ICP-MS. The XRF disk is laser ablated and the gas formed is introduced to the Mass Spectrometer, providing an ideal platform for analysis. The Fused Bead Laser Ablation ICP-MS technique is total digestion of the sample achieved through the fusion process, so quantifiable elemental data is produced at detection limits that are equal if not better than acid digest techniques. Phase 2 holes (including results currently being reported) were assayed for the tungsten suite by XRF, gold by fire assay and a reduced suite of elements including molybdenum and silver by Fused Bead Laser Ablation ICP-MS.
	For geophysical tools, spectrometers, handheld XRF instruments, etc, the parameters used in determining the analysis including instrument make and model, reading times, calibrations factors applied and their derivation, etc.	A handheld magnetic susceptibility meter (KT-10) was used to measure magnetic susceptibility for every sample. Data is stored in the database. A near-IR spectral scanner (PANalytical TerraSpec Halo) was utilised for mineral identification to assist in defining geometallurgical domains in the Phase 1 2019 drilling programme. Partially sieved material was collected, stored in chiptrays and scanned.
	Nature of quality control procedures adopted (e.g. standards, blanks, duplicates, external laboratory checks) and whether acceptable levels of accuracy (i.e. lack of bias) and precision have been established.	Field QAQC procedures for TGN sampling included the insertion of blanks, commercial standards and duplicates at the rate of one in 25 samples. Assay results have demonstrated acceptable levels of accuracy and precision.
Verification of sampling and assaying	*The verification of significant intersections by either independent or alternative company personnel.*	No independent personnel have verified intersections in drilling. TGN personnel have conducted a review of all assaying by visual inspection of UV core photography and UV estimates for RC drilling against the drill database.
	The use of twinned holes.	TGN drilled four PQ diamond holes and 7 RC holes that twinned existing RC and diamond drilling at Mulgine Trench. Twin holes intersected similar widths and grades for mineralisation. High grade zones were however found to be variable or nuggety.

Criteria	JORC Code explanation	Commentary
	Documentation of primary data, data entry procedures, data verification, data storage (physical and electronic) protocols.	Logging conducted by TGN takes place at the drilling site. Ruggedised computers are used to record the logging for RC samples. Diamond logging is onto paper drill logs and data entered in Perth. A set of standard Excel templates are used to capture the data. Data was validated on-site by the supervising geologist before being sent to Perth office. It was then loaded into Micromine and validated for logging codes, missing intervals, overlapping intervals, hole location and downhole surveying. Validated data is then loaded into a relational database for storage.
	Discuss any adjustment to assay data.	No adjustments were made, other than for values below the assay detection limit which have been entered as half of the detection limit.
Location of data points	*Accuracy and quality of surveys used to locate drillholes (collar and down-hole surveys), trenches, mine workings and other locations used in Mineral Resource estimation.*	The first 121 2019 holes and previous programmes drilled by TGN were picked up by a licenced surveyor using a Topcon GNSS with manufacturer's specifications of +/- 10mm N,E and +/15mm Z. Subsequent holes were marked out with a DGPS and have preliminary coordinates (+/- 2m N,E and +/1mm Z). Downhole surveying of TGN holes was measured by the drill contractors using a North Seeking solid state gyroscopic system in the drill rods. Accuracy is ±0.75° for azimuth and ±0.15° for inclination.
	Specification of the grid system used.	Geocentric Datum of Australia 1994 (GDA94) - Zone 50.
	Quality and adequacy of topographic control.	High resolution aerial photography and digital elevation survey was flown by Geoimage Pty Ltd on 18 February 2018 with expected height accuracy of +/- 0.5 m.
Data spacing and distribution	*Data spacing for reporting of Exploration Results.*	Drill spacing is generally 40 metre spaced holes on 80 – 120 metre sections. Drilling is currently infilling section to 40 metre spacings.
	Whether the data spacing and distribution is sufficient to establish the degree of geological and grade continuity appropriate for the Mineral Resource and Ore Reserve estimation procedure(s) and classifications applied.	The drill spacing at Mulgine Trench was sufficient to define an Inferred Mineral Resource reported in December 2019. TGN have drilled an additional 86 holes into Mulgine Trench since this estimate.
	Whether sample compositing has been applied.	For non-mineralised intervals 1 m samples collected from the cyclone were composited into 5 m and later 6 m composite samples for RC drilling. Where composite samples have anomalous tungsten and/or molybdenum, the 1 m or 2 m cone split samples have been submitted for analysis.
Orientation of data in relation to geological structure	*Whether the orientation of sampling achieves unbiased sampling of possible structures and the extent to which this is known, considering the deposit type.*	The orientation of drilling was designed to intersect mineralisation perpendicular to the dominant vein geometry and mineralised stratigraphy. Holes drilled at -60 degree towards the southeast intersect dominant vein sets and stratigraphy at 90 degrees.
	If the relationship between the drilling orientation and the orientation of key mineralised structures is considered to have introduced a sampling bias, this should be assessed and reported if material.	Structural logging of diamond core has confirmed that drill orientation did not introduce any bias regarding the orientation of mineralised veining.
Sample security	*The measures taken to ensure sample security.*	Samples collected by TGN were securely sealed and stored on site and delivered by courier to the laboratory in Perth. Sample submissions forms used to track samples were emailed directly to the laboratory.

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Criteria	JORC Code explanation	Commentary
Audits or reviews	*The results of any audits or reviews of sampling techniques and data.*	Sampling techniques are consistent with industry standards. Consistency of data was validated by Tungsten Mining while loading into the database (Depth from < Depth to; interval is within hole depth, check for overlapping samples or intervals, etc.). Any data which fails the database constraints and cannot be loaded is returned for validation, etc. Global consistency was also checked later by plotting sections using the database and reconciling assays. Assay results are visually compared against UV estimates for tungsten and visual estimates for molybdenum.

Section 2: Reporting of Exploration Results

Criteria	JORC Code explanation	Commentary
Mineral tenement and land tenure status	Type, reference name/number, location and ownership including agreements or material issues with third parties such as joint ventures, partnerships, overriding royalties, native title interests, historical sites, wilderness or national park and environmental settings.	The Mulgine Trench prospect is located on Mining Lease M59/425-I covering an area of approximately 9.4 km^2. TGN has 100% of the mineral rights for tungsten and molybdenum and to all by-products from the mining of tungsten and molybdenum. The current registered holder of the tenement is Minjar Gold Pty Ltd. The normal Western Australian state royalties apply. The Federal Court has determined that Native Title does not exist over the area of M59/425-I in relation to Badamia claim (Federal Court # WAD6123/1998). M59/425-I is located on former pastoral lease 'Warriedar Station' which has been purchased by the State Government and now forms part of the Karara Rangeland Park. Other operating mines are also located within the Park boundary.
	The security of the tenure held at the time of reporting along with any known impediments to obtaining a licence to operate in the area.	The tenements are in good standing at the time of reporting. Mid-West Tungsten Pty Ltd, a wholly owned subsidiary of Tungsten Mining NL, holds a consent caveat over tenement M59/425-I.
Exploration done by other parties	Acknowledgment and appraisal of exploration by other parties.	**Tungsten Drilling** Drilling initially focused on tungsten mineralisation with Minefields and ANZECO drilling 77 NQ/BQ diamond drillholes (8,703 m DD, 1,871 m pre-collars) in the 1970s and 1980s. In 2014, Minjar Ltd drilled 27 RC exploration hole (1,680 m) northwest of the Bobby McGee and 160 RC holes (5,712 m) for grade control in the Bobby McGee pit. Hazelwood Resources Ltd assayed these holes for their standard XRF tungsten suite. TGN have conducted a thorough review of all drilling and sampling procedures. **Gold Drilling** In 1993, focus then turned onto gold exploration and multiple phases of dominantly RC drilling and minor diamond drilling was completed by numerous companies to present. A total of 342 RC holes (19,429 m) and 3 diamond holes (828 m) have been drilled to evaluate gold at Mulgine Trench. During mining, an additional 279 RC grade control holes (8,982 m) were drilled at the Camp and Highland Chief pits. Exploration drilling consisting of 422 RAB (11,374 m) holes was drilled across the Trench Deposit and strike extensions.

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Criteria	JORC Code explanation	Commentary
Geology	Deposit type, geological setting and style of mineralisation.	**Mulgine Trench** Stratigraphy for the Mulgine Trench deposit consists of a hangingwall amphibolites, the main mineralised horizon and footwall greisen of the Mulgine Granite. The mineralised horizon is a 140 to 220 metre thick zone that is delineated over 1.4 kilometres of strike and dips shallowly (25 – 40 degrees) towards the northwest. Tungsten and molybdenum mineralisation dominantly occurs as scheelite and molybdenite in foliation parallel veins or adjacent to vein margins or as coatings on fractures or disseminated in greisen units/veins.
Drill hole Information	A summary of all information material to the understanding of the exploration results including a tabulation of the following information for all Material drill holes: • easting and northing of the drill hole collar • elevation or RL (Reduced Level – elevation above sea level in metres) of the drill hole collar • dip and azimuth of the hole • down hole length and interception depth • hole length.	Collar data for drilling is included in Appendix A.
Data aggregation methods	In reporting Exploration Results, weighting averaging techniques, maximum and/or minimum grade truncations (e.g. cutting of high grades) and cut-off grades are usually Material and should be stated.	Intersections were reported using a lower cut-off grade of 0.05% WO_3. WO_3 and Mo grades are reported separately for intersections. No top cut and up to 2m of internal waste were included. A second set of intersections were reported using a lower cut-off grade of 200 ppm Mo. Again WO_3 and Mo grades are reported separately for intersections. No top cut and up to 2m of internal waste were included. A third set of intersections were reported using a lower cut-off grade of 0.10 ppm Au. WO_3, Mo and Ag grades are reported separately for these intersections. Only intersections greater than 10m at 0.10 ppm Au were reported. No top cut and up to 2m of internal waste were included.
	Where aggregate intercepts incorporate short lengths of high grade results and longer lengths of low grade results, the procedure used for such aggregation should be stated and some typical examples of such aggregations should be shown in detail.	For reporting of tungsten intersections, all assays >1.0% WO_3 are reported beneath the relevant intersection. Interval zones of waste up to 2m wide are included in intersections provided the adjacent zone and waste are >0.05% WO_3.
	The assumptions used for any reporting of metal equivalent values should be clearly stated.	Not applicable, no metal equivalents were quoted.
Relationship between mineralisation widths and intercept lengths	These relationships are particularly important in the reporting of Exploration Results. If the geometry of the mineralisation with respect to the drill hole angle is known, its nature should be reported. If it is not known and only the down hole lengths are reported, there should be a clear statement to this effect (e.g. 'down hole length, true width not known').	Inclined holes will intersect mineralisation at between 80° - 90°. True thickness will be between 90 to 100% of the intersection thickness for inclined holes.
Diagrams	Appropriate maps and sections (with scales) and tabulations of intercepts should be included for any significant discovery being reported These should include, but not be limited to a plan view of drill hole collar locations and appropriate sectional views.	Refer to diagrams in the body of text.
Balanced reporting	Where comprehensive reporting of all Exploration Results is not practicable, representative reporting of both low and high grades and/or widths should be practiced to avoid misleading reporting of Exploration Results.	All Intersections greater than 3m at 0.05 WO_3 at Mt Mulgine are reported and holes with no significant mineralisation are documented in Appendix 1. A second list of all Intersections greater than 3m at 200 ppm Mo at Mt Mulgine is reported in Appendix 2. A third list of all Intersections greater than 10m at 0.10 ppm Au at Mt Mulgine is reported in Appendix 3.

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Criteria	JORC Code explanation	Commentary
Other substantive exploration data		Mineralogical and metallurgical studies on the Mulgine Trench deposit show scheelite well liberated at coarse sized fractions resulting in good recoveries via a simple gravity circuit. Molybdenum was liberated at finer sized fractions and showed high recovery and upgrades through a flotation circuit. Comminution work showed all ore types were of moderate to high hardness.
	Other exploration data, if meaningful and material, should be reported including (but not limited to): geological observations; geophysical survey results; geochemical survey results; bulk samples – size and method of treatment; metallurgical test results; bulk density, groundwater, geotechnical and rock characteristics; potential deleterious or contaminating substances.	An extensive geo-metallurgical program has commenced to understand the range of ore types in the Trench deposit and their volumes. This will provide the basis to produce a representative master composite to complete the metallurgical testwork program. Metallurgical test work has shown that the ore as represented by the samples tested, should be readily concentrated to exceed the target of +60% WO_3 concentrate. Levels of potential deleterious contaminants reporting to the final concentrate are expected to be below the minimum threshold for specific APT conversion processes. Evidence gathered to date show that no major metallurgical problems are expected to affect the overall viability of the project.
Further work	The nature and scale of planned further work (e.g. tests for lateral extensions or depth extensions or large-scale step-out drilling). Diagrams clearly highlighting the areas of possible extensions, including the main geological interpretations and future drilling areas, provided this information is not commercially sensitive	TGN are currently undertaking a Pre-Feasibility Study on the greater Mt Mulgine Project incorporating the Mulgine Trench and Mulgine Hill deposits. Planned activities include: • Resource definition and infill drilling of the Trench deposit; • Mine design and optimisation of the mining schedule, geotechnical studies and definition of maiden ore reserves; • Metallurgical test work on the material from Trench; • Process design and engineering for the tungsten processing plant and associated non-process infrastructure; • Assessment of existing and exploration for additional ground water resources; and • Completion of native flora, fauna, aboriginal heritage surveys and regulatory approval processes.

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