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## CENTRAL TANAMI PROJECT DRILLING UPDATE

Tanami Gold Limited (ASX: TAM) ("**Tanami**" or the "**Company**") is pleased to announce the following significant results from the final stage of Drilling at the Groundrush Deposit, at the Central Tanami Project in its JV with Northern Star Resources (ASX:NST).

Drilling of 118 holes with over 27,000 metres of Diamond Drilling and 11,000 metres of RC Drilling has been completed. Geological interpretation and resource modelling is currently underway with an updated resource expected to be completed in July 2016.

The following significant intercepts highlight the ongoing potential of the Groundrush Deposit.

NGRCD00002	0.3m @ 486.0 g/t Au
NGRCD00002	12.7m @ 3.8 g/t Au
NGRCD00008	1.8m @ 13.2 g/t Au
NGRCD00018	6.9m @ 8.6 g/t Au
NGRCD00023	2m @ 26.5 g/t Au
NGRCD00023	4.9m @ 11.2 g/t Au
NGRCD00037	12m @ 2.6 g/t Au
NGRCD00037	0.3m @ 99.7 g/t Au
NGRCD00040	0.4m @ 228.0 g/t Au
NGRCD00040	2.1m @ 10.9 g/t Au
NGRCD00045	2m @ 18.1 g/t Au
NGRCD00056	0.3m @ 267.0 g/t Au
NGRCD00056	5m @ 5.4 g/t Au
NGRCD00062	2.4m @ 36.0 g/t Au
NGRCD00067	0.3m @ 87.7 g/t Au
NGRCD00071	4.2m @ 13.8 g/t Au
NGRCD00077	1m @ 38.2 g/t Au
NGRCD00077	0.3m @ 73.1 g/t Au
NGRCD00078	0.5m @ 78.7 g/t Au
NGRCD00080	0.3m @ 168.0 g/t Au
NGRCD00080	9.8m @ 4.2 g/t Au
NGRCD00084	0.9m @ 31.0 g/t Au
NGRCD00088	0.3m @ 68.6 g/t Au
NGRCD00098	1.6m @ 139.6 g/t Au
NGRCD00101	3.1m @ 12.9 g/t Au
NGRCD00112	1.6m @ 18.6 g/t Au
NGRCD00112	0.3m @ 78.5 g/t Au
NGRCD00114	19.5m @ 2.5 g/t Au
NGRCD00122	1.8m @ 17.8 g/t Au
NGRCD00123	1.4m @ 14.8 g/t Au
NGRCD00130	3.7m @ 6.0 g/t Au
NGRCD00131	11m @ 4.7 g/t Au
NGRCD00133	24.6m @ 5.7 g/t Au
NGRCD00134	7.7m @ 3.1 g/t Au

The Central Tanami Project is part of an ongoing JV with Northern Star Resources (Tanami Gold NL 75%; Northern Star Resources 25%) in which Northern Star Resources can earn a 60% interest by bringing the project into commercial production by 2018. The exact terms and conditions of the earn-in and the JV Agreement have previously been announced.

**Gerard McMahon**  
Chairman

### Competent Person Statement

The information in this report that relates to all Geological Data and Exploration Results is based on, and fairly represents information and supporting documentation compiled by consultant geologist Mr Michael Thomson of MiGeo Enterprise Pty Ltd. Mr Thomson is a Member of The Australian Institute of Geoscientists and has sufficient experience which is relevant to the style of mineralisation and type of deposit under consideration and to the activity which he is undertaking to qualify as Competent Person as defined in the 2012 Edition of the "Australasian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves". Mr Thomson consents to the inclusion in this report of the matters based on his information in the form and context in which they appear.

### Forward Looking Statements

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**Table 1: Significant Intercepts**

HoleID	Coord System	East	North	RL	Depth (m)	Dip	Azimuth (MGA)	Depth From	Depth To	Interval Width	Au g/t uncut	True width (m)	Gram Metres
NGRCD00002	MGA94 52	603958	7819971	421	367	-63	54	242	242.7	0.7	27.5	0.7	19.3
								303.4	303.7	0.3	486	0.3	145.8
								311	323.7	12.7	3.8	12.7	48.3
								331.3	335	3.8	2.8	3.8	10.6
								338	338.7	0.7	2	0.7	1.4
NGRCD00006	MGA94 52	603988	7819933	422	344	-62	51	252	253	1	1.8	0.7	1.3
								283	287	4	2	3.3	6.7
								293	294	1	1.8	0.7	1.3
								302.6	303	0.4	8.3	0.3	2.5
								308.9	312	3.1	1.3	2.7	3.6
NGRCD00008	MGA94 52	604023	7819919	421	312	-58	50	208.2	208.5	0.3	5	0.2	1
								216	217	1	4.7	0.8	3.8
								263	264.8	1.8	13.2	1.6	21.1
NGRCD00012	MGA94 52	604042	7819903	421	171	-58	50	167	169	2	4.3	1.7	7.3
NGRCD00018	MGA94 52	604098	7819864	421	296	-55	57	137	143.9	6.9	8.6	6.8	58.6
								159.1	160.3	1.2	1.5	1.1	1.7
								168.8	173.4	4.6	4.1	4.5	18.5
NGRCD00020A	MGA94 52	604033	7819804	420	379	-58	50	296	297.4	1.4	2.7	1	2.7
								321	323.8	2.7	1.7	2.1	3.6
NGRCD00023	MGA94 52	604069	7819803	421	386	-63	47	279	280	1	2.1	1	2.1
								283.7	285.5	1.8	1.7	1.6	2.7
								291	293	2	26.5	1.8	47.7
								307.4	312.3	4.9	11.2	3.8	42.7
NGRCD00024	MGA94 52	604093	7819773	421	298	-40	51	164.5	165.1	0.5	2.3	0.5	1.2
								202	203	1	2.3	1	2.3
								231.5	234.8	3.3	3.6	3.2	11.5
NGRCD00025	MGA94 52	604092	7819773	421	311	-53	50	149.5	152.6	3.1	1.5	2.6	3.9

# ASX Announcement

HoleID	Coord System	East	North	RL	Depth (m)	Dip	Azimuth (MGA)	Depth From	Depth To	Interval Width	Au g/t uncut	True width (m)	Gram Metres
								158.2	161.1	2.9	1.3	2.4	3.1
								172.2	175	2.8	0.9	2.4	2.2
								250.5	254.4	3.9	2.9	3.6	10.4
NGRCD00027	MGA94 52	604017	7819719	421	403	-56	50	351.5	354.7	3.2	1.6	2.9	4.8
								370.1	375.6	5.4	1.4	3	4.2
NGRCD00028	MGA94 52	604016	7819719	421	492	-63	50	406.2	413.3	7.1	2.6	5.9	15.4
								418.5	419	0.6	3.9	0.6	2.3
								440	440.3	0.3	10.1	0.3	2.5
NGRCD00029	MGA94 52	604023	7819705	418	352	-49	50	276.1	277	0.9	2.6	0.7	1.8
								334.2	335	0.8	6.4	0.8	4.9
NGRCD00031	MGA94 52	604025	7819705	420	481	-62	50	395.4	400	4.6	1.4	3.9	5.5
								409	410.6	1.6	11.9	1.4	16.7
NGRCD00036	MGA94 52	604069	7819690	419	458	-64	50	188.6	190.1	1.4	1.4	0.9	1.3
								248.6	249.6	1	9.1	0.7	5.9
								352.8	353.7	0.9	2.6	0.6	1.6
								361.5	363.1	1.6	1.1	1.2	1.3
NGRCD00037	MGA94 52	604068	7819689	419	492	-70	50	279.5	280.4	0.9	4.1	0.6	2.5
								338	339	1	1.9	0.8	1.5
								389	390	1	3.5	0.8	2.8
								395	407	12	2.6	9.9	25.7
								430.9	431.5	0.6	5.8	0.5	2.9
								435	435.3	0.3	99.7	0.2	19.9
NGRCD00039	MGA94 52	604088	7819691	421	379	-55	51	202	204.5	2.4	2.8	2.2	6.2
								268.5	269	0.5	4	0.5	1.8
								303.9	307.7	3.8	4.5	3.5	15.8
NGRCD00040	MGA94 52	604088	7819691	421	406	-63	51	224.5	225.4	0.9	8.3	0.7	5.8
								277.8	278.2	0.4	228	0.3	68.4
								324.6	326.7	2.1	10.9	2	21.8
								333	334	1	1.6	0.9	1.4
								366.3	367.1	0.8	1.6	0.8	1.3
NGRCD00044	MGA94 52	604095	7819654	421	361	-51	50	232	233	1	2.6	0.9	2.3
								270.9	271.2	0.3	12.5	0.3	3.8
NGRCD00045	MGA94 52	604094	7819655	420	418	-60	51	267.1	267.5	0.4	3.6	0.3	1.1
								311.2	311.5	0.3	5.4	0.2	1.1
								314	315	1	3.2	0.9	2.9
								329.9	331.9	2	18.1	1.4	25.3
NGRCD00046	MGA94 52	604057	7819610	421	472	-60	49	351	351.7	0.6	2.2	0.5	1.1
								400.8	406.8	6	1.6	4.9	7.8
								417.3	418	0.7	2.5	0.6	1.5
								431	432	1	2.4	0.9	2.2
NGRCD00053	MGA94 52	604126	7819616	420	317	-50	50	442	442.8	0.8	3.4	0.7	2.4
								174.5	175	0.5	4.2	0.5	2.1
								248.5	249.4	0.9	2.6	0.9	2.3
NGRCD00054	MGA94 52	604126	7819614	420	384	-61	53	256.5	256.9	0.4	24.7	0.4	9.9
								188.2	190.6	2.4	4.6	1.8	8.3
								272.2	274.8	2.6	6.4	1.7	10.9
NGRCD00056	MGA94 52	604073	7819570	420	523	-67	50	288.3	288.7	0.4	8.2	0.3	2.5
								319.9	320.3	0.4	16.9	0.3	5.1
								332	333	1	9.8	0.8	7.8
								347	347.3	0.3	267	0.2	53.4
								394.7	395.2	0.4	4.3	0.3	1.3
								401	402	1	3.9	0.8	3.1
								405.1	414.5	9.4	1.3	7.8	10.1
								418	423	5	5.4	4.2	22.7
								427.1	431	3.9	4.7	3.2	15
								439	440	1	1.3	0.8	1
442.1	442.4	0.3	11.4	0.2	2.3								
								446	447	1	5.5	0.8	4.4

# ASX Announcement

HoleID	Coord System	East	North	RL	Depth (m)	Dip	Azimuth (MGA)	Depth From	Depth To	Interval Width	Au g/t uncut	True width (m)	Gram Metres
								461	464	3	1.9	2.4	4.6
NGRCD00061	MGA94 52	604168	7819585	420	240	-46	50	220.1	224.4	4.3	3.2	3.8	12.2
NGRCD00062	MGA94 52	604168	7819584	420	305	-52	50	143	143.6	0.6	2.9	0.4	1.2
								162.6	165	2.4	36	2.2	79.2
								214	215	1	1.7	0.6	1
NGRCD00063	MGA94 52	604168	7819584	420	347	-61	47	153.8	154.8	1.1	1.8	0.6	1.1
								216.5	217.2	0.7	9.1	0.4	3.6
								229.2	230.3	1.2	2.2	1	2.2
								243.1	245	1.9	2.6	1.2	3.1
NGRCD00067	MGA94 52	604143	7819533	419	352	-56	51	196.2	196.7	0.5	11.9	0.5	5.7
								199.6	200.3	0.7	3.5	0.6	2.1
								215	215.4	0.4	17.8	0.3	5.3
								253.1	254.5	1.4	2.7	1.2	3.2
								266.4	266.7	0.3	87.7	0.3	26.3
								292.5	293	0.5	3	0.4	1.2
NGRCD00068	MGA94 52	604140	7819530	420	496	-66	51	241.8	242.3	0.5	2.5	0.5	1.3
								268.6	269	0.4	6.5	0.4	2.6
								309.9	310.2	0.3	13.6	0.3	4.1
								325.3	325.8	0.5	14.2	0.5	7.1
								362	365.8	3.8	1.7	3	5.1
								369	370	1	2.2	0.7	1.5
								373	374.3	1.3	3.6	1.2	4.3
								387.2	388.3	1.1	1.2	0.9	1.1
								407	408	1	1.8	1	1.8
								NGRCD00071	MGA94 52	604162	7819517	420	349
240.7	244.8	4.1	2	3.5	7								
254.8	259	4.2	13.8	3.8	52.4								
263	264	1	8.3	0.9	7.5								
267.6	268.3	0.7	8.3	0.6	5								
283	284	1	1.1	1	1.1								
NGRCD00076	MGA94 52	604134	7819456	420	451	-61	50	316.4	316.7	0.3	37.5	0.2	7.5
								323.5	324	0.6	2.9	0.4	1.2
								339	345	6	0.9	5.8	5.2
								347.8	348.1	0.3	5.5	0.2	1.1
								356	363	7	1.2	5.5	6.6
NGRCD00077	MGA94 52	604230	7819500	418	299	-56	51	124	125	1	1.8	0.6	1.1
								172.2	173.2	1	2.3	0.8	1.8
								198.2	199.2	1	38.2	0.6	22.9
								202.2	202.5	0.3	73.1	0.3	21.9
NGRCD00078	MGA94 52	604230	7819500	418	310	-63	51	138.4	138.9	0.5	4.8	0.5	2.4
								169.4	169.7	0.3	5.5	0.3	1.7
								175.6	176.2	0.5	78.7	0.5	39.4
								196	198	2	1.3	1.7	2.2
								209	209.5	0.5	4.4	0.5	2
NGRCD00080	MGA94 52	604189	7819469	420	367	-66	53	191.9	192.3	0.3	7.6	0.3	2.3
								202.8	203.1	0.3	168	0.3	50.4
								258	259	1	1.4	0.9	1.3
								278	287.8	9.8	4.2	8.6	36.1
								290	291	1	10.2	0.9	9.2
								308	309.1	1.1	1.9	0.7	1.3
								339	341	2	2	1.9	3.8
NGRCD00084	MGA94 52	604204	7819451	418	353	-67	51	192	192.9	0.9	31	0.8	24.8
								199.8	200.5	0.7	11.1	0.6	6.7
								256	263.7	7.7	1.8	6.4	11.5
								266	266.9	0.9	13.1	0.7	9.2
								271.4	271.7	0.3	5.3	0.2	1.1
								283.3	285.6	2.3	4.2	1.9	8
								304	304.9	0.9	18.6	0.6	11.2

# ASX Announcement

HoleID	Coord System	East	North	RL	Depth (m)	Dip	Azimuth (MGA)	Depth From	Depth To	Interval Width	Au g/t uncut	True width (m)	Gram Metres
NGRCD00086	MGA94 52	604262	7819467	420	268	-58	50	175	175.6	0.6	3.3	0.5	1.7
NGRCD00088	MGA94 52	604220	7819438	420	307	-60	51	166.7	167	0.3	20.7	0.3	6.2
								185.8	186.2	0.4	3.5	0.4	1.4
								227.4	228.2	0.8	3.8	0.7	2.7
								248.9	249.2	0.3	68.6	0.3	20.6
								269.7	270	0.3	11.8	0.3	3.5
NGRCD00089	MGA94 52	604220	7819437	420	361	-67	49	186.9	187.4	0.5	15.8	0.4	6.3
								291	295	4	0.9	3.1	2.8
								324.5	325	0.5	4.6	0.4	1.8
NGRCD00095	MGA94 52	604290	7819424	419	571	-57	50	119.8	120.1	0.3	15.2	0.2	3
								135.3	136.1	0.8	2.6	0.6	1.6
								143.3	145	1.6	9.6	1.4	13.4
NGRCD00096	MGA94 52	604289	7819423	419	247	-68	49	175.5	177	1.5	0.9	1.2	1.1
								139	139.4	0.5	10.6	0.5	5.3
								144	145.1	1.1	1.6	0.8	1.3
NGRCD00097	MGA94 52	604223	7819369	420	349	-56	50	158.2	159.2	1	1.8	0.8	1.4
								187	188.2	1.2	2.5	1.1	2.8
								274	274.7	0.7	2.3	0.6	1.4
NGRCD00098	MGA94 52	604222	7819368	420	355	-63	50	280.5	283.5	3.1	3.7	2.6	9.6
								199.1	200.7	1.6	139.6	1.5	209.4
								224.6	225.5	1	8.6	0.9	7.7
NGRCD00099	MGA94 52	604221	7819367	420	376	-68	50	254	255	1	1.3	0.8	1
								291	296.6	5.6	1.8	4.6	8.3
								265	266	1	1.7	0.7	1.2
NGRCD00101	MGA94 52	604280	7819385	419	259	-61	50	270.4	270.7	0.3	5.8	0.2	1.2
								296	298.2	2.2	5.3	1.8	9.5
								134.6	137.7	3.1	12.9	2.7	34.8
NGRCD00111	MGA94 52	604193	7819284	420	475	-65	50	177.4	178	0.6	29.7	0.5	14.9
								198	208.2	10.2	1.6	7.3	11.7
								325.2	325.9	0.7	12.9	0.5	6.5
NGRCD00112	MGA94 52	604192	7819284	420	610	-70	50	366	368.7	2.7	1.2	2.3	2.8
								291	292.3	1.3	4.8	0.8	3.8
								363.4	365	1.6	18.6	1	18.6
								380	380.4	0.4	6.9	0.3	2.1
								425.3	425.6	0.3	78.5	0.2	15.7
NGRCD00114	MGA94 52	604296	7819345	418	306	-67	50	432	432.6	0.6	9.2	0.4	3.7
								440.7	441.3	0.6	4.7	0.4	1.9
								205.7	206.9	1.2	6.4	0.8	5.1
NGRCD00122	MGA94 52	604265	7819271	420	355	-64	50	214.5	234	19.5	2.5	15	37.5
								262	262.5	0.5	15.5	0.3	4.7
								270	270.9	0.9	2.1	0.8	1.7
								320	321.8	1.8	17.8	1.5	26.7
								326.4	326.9	0.5	8.6	0.4	3.4
NGRCD00123	MGA94 52	604093	7819863	420	312	-63	48	214	215	1	1.6	0.7	1.1
								227.6	228.2	0.6	2.5	0.5	1.3
								247.3	248.7	1.4	14.8	1.3	19.2
NGRCD00124	MGA94 52	604289	7819357	418	296	-78	50	158.5	159.9	1.4	9.2	0.9	8.3
								216.6	218.2	1.6	2.9	1	2.9
								240.8	241.3	0.5	5.4	0.3	1.6
NGRCD00129	MGA94 52	604133	7819456	420	585	-75	50	441	442	1	3.8	0.8	3
								507.8	510.2	2.4	4.9	1.9	9.3
								515	516.2	1.2	1.2	0.9	1.1
								538	540.9	2.9	1.5	2.2	3.3
NGRCD00130	MGA94 52	604188	7819470	419	492	-74	50	309.1	310.3	1.2	1.8	1	1.8
								330	332	2	2.8	1.3	3.6
								359	362.7	3.7	6	2.5	15
								452	453	1	5.5	0.6	3.3
								471	471.8	0.8	2.3	0.5	1.2

# ASX Announcement

HoleID	Coord System	East	North	RL	Depth (m)	Dip	Azimuth (MGA)	Depth From	Depth To	Interval Width	Au g/t uncut	True width (m)	Gram Metres
NGRCD00131	MGA94 52	604016	7819719	421	583	-71	50	443	443.7	0.7	6.3	0.4	2.5
								494.1	494.8	0.7	3.7	0.4	1.5
								501	502	1	1.7	0.7	1.2
								509.7	510.1	0.5	4.2	0.3	1.3
								522	533	11	4.7	7.5	35.3
								551.7	552	0.4	5.4	0.3	1.4
								555	556	1	3.9	0.7	2.7
NGRCD00132	MGA94 52	604264	7819154	418	512	-56	49	335	337.5	2.5	2	2.3	4.6
								345	349	4	1.5	3.7	5.6
NGRCD00133	MGA94 52	604263	7819154	418	559	-75	49	416.5	441	24.6	5.7	16.3	92.9
								451	455	4	2.6	2.6	6.8
NGRCD00134	MGA94 52	604104	7819200	420	756	-69	62	536	536.4	0.4	8	0.3	2.4
								565	572.7	7.7	3.1	6.5	20.2
								577.2	578	0.8	1.6	0.7	1.1
								584	588.1	4.1	3.4	3.5	11.9

## JORC Code, 2012 Edition – Table 1 Report: Groundrush Drill Results as at 30 April 2016

### Section 1 Sampling Techniques and Data

(Criteria in this section apply to all succeeding sections.)

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.	Sampling was completed using diamond (DD) core drilling. Some drill-holes were pre-collared using RC drilling methods and completed with DD tails, while some were drilled diamond core from surface.
	Include reference to measures taken to ensure sample representivity and the appropriate calibration of any measurement tools or systems used.	Diamond drilling used NQ2 sized core. Drill core was oriented, aligned and half-cut using metre intervals and geologically determined intervals (min 0.3 metres), with geologically determined intervals taking precedence.
	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.	Samples were dispatched to ALS Perth for preparation by drying, crushing to <3mm, and pulverizing the entire sample to <75µm. Bulk pulp splits (300g) were then taken for Fire assay purposes. Fire assay was conducted using a 50g charge and an AAS analyses finish.
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.).	RC Drilling (pre-collars) was completed using a 5.25" face sampling hammer drill bit. Diamond core was all NQ2 size and oriented where possible.
Drill sample recovery	Method of recording and assessing core and chip sample recoveries and results assessed.	Diamond drill core recoveries are recorded as a percentage calculated from measured core versus drilled intervals length.
	Measures taken to maximise sample recovery and ensure representative nature of the samples.	The diamond drill contractors adjusted their rate of drilling and method if recovery issues arose. All recovery was recorded by the drillers on core blocks. This was checked and compared to the measurements of the core by the geological team. Any issues were communicated back to the drilling contractor at the time and necessary adjustments made.
	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.	Overall DD recoveries were good. There has been no work completed to determine if any relationship between recovery and grade exists.
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.	DD core is logged by company geologists to industry standards. All relevant features such as lithology, structure, texture, grain-size, alteration, oxidation state, vein style and veining percentage per interval; and mineralisation were recorded in the geological logs.
	Whether logging is qualitative or quantitative in nature. Core (or costean, channel, etc.) photography.	All logging was quantitative where possible and qualitative elsewhere. All diamond drill core was photographed.
	The total length and percentage of the relevant intersections logged.	The entire length of each diamond core hole was logged.
Sub-sampling techniques and sample preparation	If core, whether cut or sawn and whether quarter, half or all core taken.	Diamond drill core was cut in half using an Almonté diamond core saw. Half core was sampled on intervals between 0.3-1.1m in length honouring lithological boundaries. The right-hand side of the core was bagged as the primary sample for analyses. The remaining half of core was archived and stored for reference.
	If non-core, whether riffled, tube sampled, rotary split, etc. and whether sampled wet or dry.	Core samples only being reported.
	For all sample types, the nature, quality and appropriateness of the sample preparation technique.	Sample preparation was conducted at ALS Perth, commencing with sorting, checking and drying at less than 110°C to prevent sulphide breakdown. Samples were jaw crushed to a nominal -6mm particle size. If the sample is greater than 3kg a Boyd crusher with rotary splitter is used to reduce the sample size to less than 3kg at a nominal <3mm particle size. The entire crushed sample (if less than 3kg) or sub-sample is then pulverized to 90% passing 75µm, using a Labtechnics LM5 bowl pulveriser. 300g Pulp subsamples are then taken with an aluminium scoop and stored in labelled pulp packets.
	Quality control procedures adopted for all sub-sampling stages to maximise representivity of samples.	Grind checks are performed at both the crushing stage (3mm) and pulverising stage (75µm), requiring 90% of material to pass through the relevant size.

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Criteria	JORC Code explanation	Commentary
	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.	The sample preparation is considered appropriate and to industry standard. No Field duplicates were submitted for diamond core sampling.
	Whether sample sizes are appropriate to the grain size of the material being sampled.	Sample sizes are considered appropriate.
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.	A 50g Fire assay charge is fired accompanied by an introduced lead flux and fired in a typical gas-fired furnace. The resultant "button" was then totally digested by submergence in Aqua Regia before analyses using Atomic Absorption Spectroscopy (AAS) determination for gold.
	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.	No geophysical tools were used to determine any element concentrations.
	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.	Certified reference materials (CRMs) were inserted into the sample sequence at a rate of 1 per 20 samples to ensure correct calibration. Any values outside of 3 standard deviations were re-assayed with a new CRM. Blanks were routinely inserted into the sample sequence at a rate of 1 per 25 samples and again specifically after potential or existing high grade mineralisation to test for contamination. Failures of blanks above 0.2g/t were followed up, and re-assayed. New pulps were prepared if failures continued.
Verification of sampling and assaying	The verification of significant intersections by either independent or alternative company personnel.	All significant intersections were verified by a Northern Star Senior Geologist on-site during the drill-hole validation process, and later by signed off by a Competent person, as defined by JORC.
	The use of twinned holes.	No twinned holes were drilled for this data set.
	Documentation of primary data, data entry procedures, data verification, data storage (physical and electronic) protocols.	Geological logging was directly entered into a Datashed Log Chief logging package and loaded into an Access database on-site. Assay files are received in .csv format and loaded directly into the Access database by the Senior on-site Geologist. Hardcopy and electronic copies of the data was stored for future reference.
	Discuss any adjustment to assay data.	No adjustments were made to the assay data.
Location of data points	Accuracy and quality of surveys used to locate drill holes (collar and down-hole surveys), trenches, mine workings and other locations used in Mineral Resource estimation.	Planned holes were pegged using a Differential GPS by company geologists and field assistants. The final hole collar was picked up after completion by Differential GPS in the MGA 94_52 grid. During drilling, single-shot surveys were taken every 30m to ensure the hole remains close to design. Down-hole surveys were performed using a Reflex Ez-Trac or Ranger camera system, recording the down-hole dip and magnetic azimuth. These results were then uploaded into the Access database.
	Specification of the grid system used.	Collar coordinates were recorded in MGA94 Zone 52.
	Quality and adequacy of topographic control.	Topographic control was established using DGPS drill collar pickups
Data spacing and distribution	Data spacing for reporting of Exploration Results.	Drill-hole spacing across the area varies, although minimum 25m spacing was targeted during the design and drilling phases.
	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.	Exploration results only being reported.
	Whether sample compositing has been applied.	No compositing has been applied to these exploration results, however, intervals are typically reported as composites.
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 specific targets is typically well understood and the drilling direction is considered near perpendicular to the orientation of mineralisation.
	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.	No sampling bias is considered to have been introduced by the drilling orientation.
Sample security	The measures taken to ensure sample security.	Prior to laboratory submission, samples are stored by Northern Star Resources in a secure yard. Once submitted to the ALS laboratory, they are stored in a secure fenced compound, and tracked through the assay process by established chain of custody procedures, and via audit trails, conducted by independent and company specialists.
Audits or reviews	The results of any audits or reviews of sampling techniques and data.	No such exercise has been undertaken for the samples or drill-holes at this stage.



## Section 2 Reporting of Exploration Results

(Criteria listed in the preceding section also apply to this section.)

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.	All holes mentioned in this report are from the Groundrush deposit located within the ML22934 tenement which is owned by Tanami Gold NL (75%) and Northern Star Resources Limited (25%). There are royalty and other payment obligations under third party agreements the terms of which are confidential.
	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.	No known impediments exist and the tenements are in good standing.
Exploration done by other parties	Acknowledgment and appraisal of exploration by other parties.	The Groundrush area has been explored since the mid 1980's. Numerous companies, including Zapopan NL, Otter Gold NL, Normandy Mining Ltd, Newmont (Asia Pacific), and Tanami Gold NL have been active in the area. Drilling reported with this release is contiguous with the Groundrush open-cut mine. Previous drilling at this project adds gold grade and geological context to the subsequent Northern Star Resources interpretation of the area as tested by the drill holes covered by this report.
Geology	Deposit type, geological setting and style of mineralisation.	The Groundrush deposit is hosted by rocks of the Killi Killi Formation exposed in a narrow N- to NNW-trending corridor flanked by lobes of the younger Frankenia Dome granite. Groundrush thus lies within rocks of a similar age to the host rocks of The Granites and Dead Bullock Soak gold deposits 100km to the south, but older than the Mount Charles Formation, which hosts the Tanami gold deposits 50km south west. Less than 1 km to the north of Groundrush, the Killi Killi beds are truncated by a fault bounded outlier of younger sediment of the Mount Charles Formation. At Groundrush, a package of relatively undeformed, steeply west dipping, sedimentary rocks is intruded by two tabular dolerite units which are broadly conformable with bedding. The main dolerite body exposed in the open pit consists of a coarser grained leucocratic quartz dolerite. Gold mineralisation is mainly hosted in quartz-sulphide veins and stockwork zones within steeply dipping shear zones in the quartz dolerite unit as well as flat dipping quartz-sulphide brittle fracture 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: <ul style="list-style-type: none"> <li>o easting and northing of the drill hole collar</li> <li>o elevation or RL (Reduced Level – elevation above sea level in metres) of the drill hole collar</li> <li>o dip and azimuth of the hole</li> <li>o down hole length and interception depth</li> <li>o hole length.</li> </ul>	See attached Appendix for a table of results.
	If the exclusion of this information is justified on the basis that the information is not Material and this exclusion does not detract from the understanding of the report, the Competent Person should clearly explain why this is the case.	No holes are excluded from this report.
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.	All reported assay results have been length weighted to provide an intersection width. Barren material between mineralised samples has been permitted in the calculation of these widths where the resultant average composite grade of samples beyond (and not including) the core mineralised zone exceeds the 1 g/t cut-off grade used for intercept calculation.
	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.	No assay results have been top-cut for the purpose of this report. A lower cut-off of 1g/t has been used to identify significant results.
	The assumptions used for any reporting of metal equivalent values should be clearly stated.	No metal equivalent values have been used for the reporting of these exploration results

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Criteria	JORC Code explanation	Commentary
Relationship between mineralization 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.	The exact orientation of the Groundrush mineralised system is generally well understood. Geometry of the mineralisation to drill hole intercepts generally at a high angle, often nearing perpendicular. There is enough historic exploration and production data at Groundrush to infer geological continuity in mineralisation 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').	The downhole widths have been clearly specified when used.
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.	Appropriate plans and section have been included in this release
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.	Both high and low grades have been reported accurately, clearly identified with the drill-hole attributes and 'From' and 'To' depths. All intercepts for all holes have been reported regardless of grade.
Other substantive exploration data	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.	No other material exploration data has been collected as part of this drill program.
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).	Drilling is continuing in 2016 to determine the extents of the Groundrush system.
	Diagrams clearly highlighting the areas of possible extensions, including the main geological interpretations and future drilling areas, provided this information is not commercially sensitive.	Appropriate Diagrams accompany this release.