

26 April 2023 **ASX Release**

EXCELLENT ROCK CHIP RESULTS RECEIVED FROM EASTERN GOLDFIELDS PROJECT

HIGHLIGHTS

Eastern Goldfields (WA) Project - Gold

- Field visit made to the Majestic/Kurnalpi Project areas approximately 50km east of Kalgoorlie.
- Rock chip samples were taken at the Burtons Dam & Kurnalpi tenements with excellent assay results received from these sampling programmes.
- Best results from Kurnalpi included:

OMKNRS3 - 17.5g/t

OMKNR\$4 - 8.78g/t

OMKNRS5 - 2.77g/t

OMKNR\$10 - 0.21g/t

OMKNRS11 - 1.68g/t

OMKNRS13 – 0.23g/t

Best results from Burtons Dam included:

OMKERS5 – 1.34g/t

OMBDRS5 - 2.66g/t

OMBDRS6 - 0.18g/t

OMBDRS11 - 0.93g/t

OMBDRS17 – 0.22g/t

Preparation in progress for a maiden drill programme to test key targets on these tenements.

Orange Minerals NL (ASX: OMX) ("Orange" or "the Company") is pleased to announce excellent rock chip assays results at its Kurnalpi & Burtons Dam tenements in the Eastern Goldfields WA.

Commenting on the rock chip sampling results, Managing Director of Orange David Greenwood said:

"The gold assay results received from rock chip sampling programmes at the Kurnalpi and Burtons Dam tenements are extremely encouraging, and support planned drilling programmes in 2023. The Kurnalpi tenement E28/2294 provides walk up drill targets in an area where the Avoca fault passes through the tenement, and at Burtons Dam a newly discovered structure with quartz veining is previously untested by drilling. The gold assay results received from surface rock chip sampling at Burtons Dam, support planned drilling in this area".





Kurnalpi (E28/2294)

A total of 15 rock chip samples were collected from the northern area of the Kurnalpi tenement E 28/2294 (see Figure 1). The sampling covered an area of anomalous gold identified by previous drill and soil programs. Quartz veining is associated with an NNW trending regional structure (Avoca Fault) that has been identified in shallow workings in the adjacent Northern Star (Carosue) tenement. The intersection between the Avoca Fault and an unnamed N-S structure that runs along the eastern side of the lease is a high priority target for drilling.

E 28/2294 covers part of the prospective Kurnalpi goldfield and drilling is planned to test the northern extension of the Avoca Fault, that hosts several gold prospects in adjoining leases.

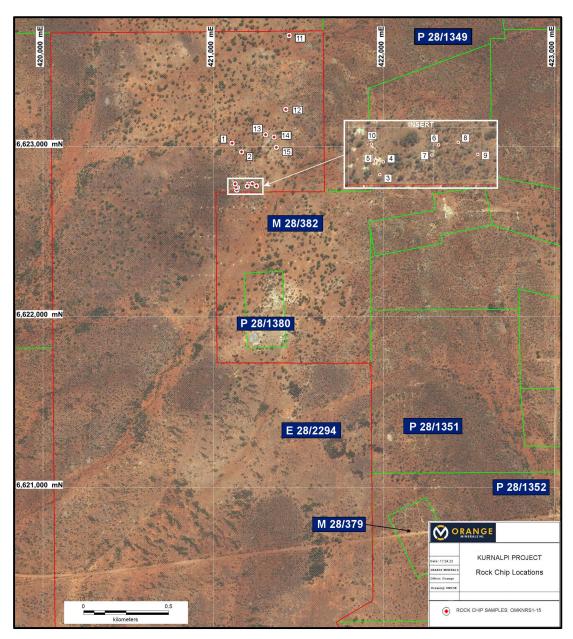


Figure 1 - Kurnalpi rock chip sample locations



Significant rock chip sample results are shown below in Figure 2.

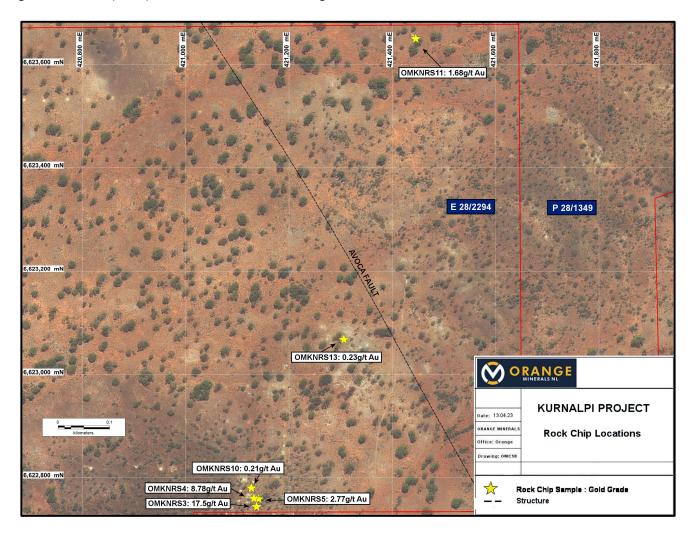


Figure 2 - Kurnalpi Significant Gold in rock chips

Burtons Dam

The Burtons Dam tenements are a package of 13 adjoining leases, 1.5km east of the Daisy Milano gold mine.

A total of 24 rock chip samples were collected over a small ridge on the northern boundary of tenement P 26/4415 (Figure 3). The sampling targeted a prominent quartz vein system (Figure 5) that strikes NW-SE with a sub vertical dip to the southwest. The veining is associated with the interpreted Hogans Fault. Samples were also collected of Mafic / Ultramafic float and in situ undifferentiated Felsic Volcanics with micro quartz veins. The area is a complex combination of NW-SE (Hogans Fault), N-S structures (Salt Creek Fault) and NE-SW cross structures. A Proterozoic dolerite dyke strikes E-W on the northern boundary of the lease. Historical soil sampling across the tenement identified a broad >20ppb gold anomaly to the east and south of the low ridge, indicating shedding from the quartz vein system. A priority drill target will be to test the strike of the quartz veins at 100m below surface.



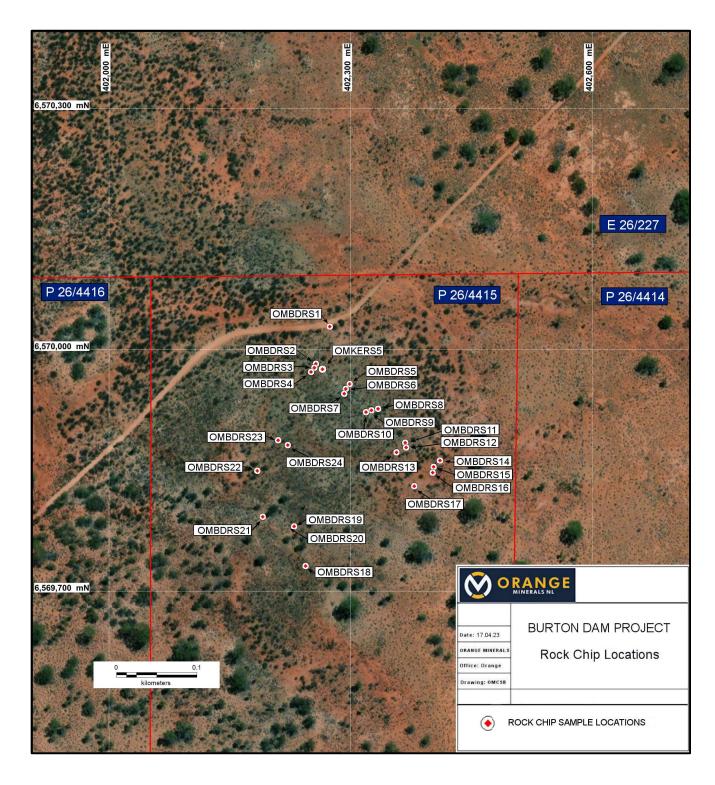


Figure 3 - Burton Dam Rock chip sample locations



Significant rock chip sample results are shown below in Figure 4.

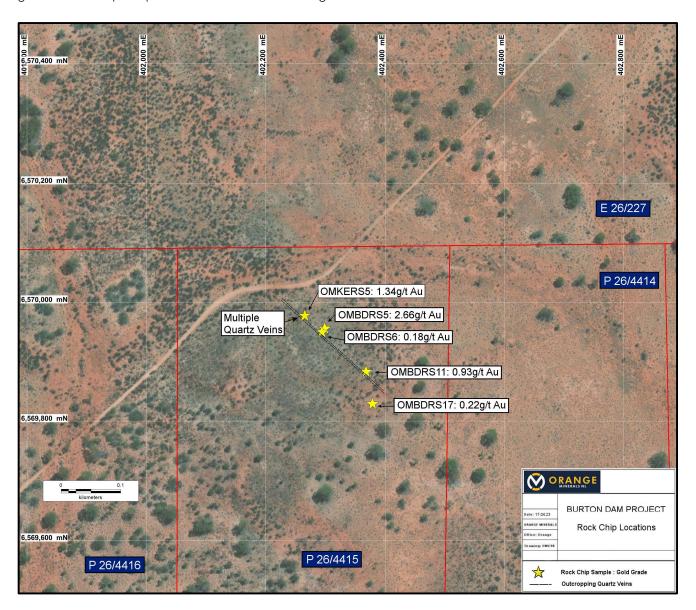


Figure 4 - Burton Dam Significant Gold in rock chips



Figure 5 - Burton Dam Multiple Quartz Veins -P26/4415

This ASX announcement has been authorised for release by the Board of Orange Minerals NL.

-ENDS-





About Orange Minerals NL

Orange Resources NL is an exploration company listed on the ASX (ASX: OMX) with Australian-based projects in the Lachlan Fold Belt (LFB) of NSW and Eastern Gold Fields of WA, both world-class mineral provinces. The LFB of NSW hosts major mines including Cadia/Ridgeway, North Parkes and Lake Cowal and the tenements in the Eastern Goldfields of WA are close to the Daisy Milano gold mine and Black Cat Resources Majestic Project. The Orange Minerals exploration team plan to rapidly explore its tenement packages with aggressive exploration programmes at its key properties. The company is currently focussing on the Calarie & Wisemans Creek Projects in NSW and the Majestic/Kurnalpi tenements in WA.

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Competent Persons Statement

The information in this report that relates to Exploration Targets, Exploration Results, Mineral Resources or Ore Reserves is based on information compiled by Phil Shields, a Competent Person who is a Member of the Australian Institute of Geoscientists. Mr Shields is an employee of Orange Minerals NL and 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 Shields consents to the inclusion in the report of the matters based on his information in the form and context in which it appears.

Forward Statement

This release includes forward – looking statements which involve a number of risks and uncertainties. These forwardlooking statements are expressed in good faith and believed to have a reasonable basis. These statements reflect current expectations, intentions or strategies regarding the future and are based on current assumptions. Should one or more of the uncertainties materialize, or should underlying assumptions prove incorrect, actual results may vary from the expectations, intentions and strategies described in this announcement. No obligation is assumed to update forward looking statements if these beliefs or opinions should change.





Samp_Id	Tenement	Project	MGA_East	MGA_North	Au_g/t	Ag_g/t	As_ppm	Ba_ppm	Bi_ppm	Co_ppm	Cr_ppm	Cu_ppm	Fe_%	Mg_%	Mn_ppm	Mo_ppm	Ni_ppm	Pb_ppm	Pd_ppb	Pt_ppb	S_%	Sb_ppm	W_ppm	Zn_ppm
OMKERS5	P 26/4415	(algoorlie Regional	402265	6569975	1.34	0.22	NA	NA	NA	NA	NA	9	NA	NA	NA	NA	NA	1	NA	NA	NA	NA	NA	18
OMBDRS1	P 26/4415	Burton Dam	402274	6570028	0.02	<0.5	<3	265	<5	61	876	85	7.87	7.605	1439	<5	468	<5	7.3	7.1	0.04	10	11	82
OMBDRS2	P 26/4415	Burton Dam	402257	6569982	0.01	<0.5	4	<5	<5	<1	11	<5	0.62	0.016	74	<5	NA	<5	NA	NA	NA	NA	NA	10
OMBDRS3	P 26/4415	Burton Dam	402255	6569977	<0.01	<0.5	<3	<5	<5	<1	17	<5	0.69	0.028	82	<5	NA	<5	NA	NA	NA	NA	NA	<5
OMBDRS4	P 26/4415	Burton Dam	402251	6569972	<0.01	<0.5	<3	<5	<5	<1	18	<5	0.69	0.024	81	<5	NA	<5	NA	NA	NA	NA	NA	<5
OMBDRS5	P 26/4415	Burton Dam	402299	6569957	2.66	3.3	<3	<5	197	<1	20	<5	1.03	0.005	113	<5	NA	18	NA	NA	NA	NA	NA	7
OMBDRS6	P 26/4415	Burton Dam	402294	6569951	0.18	<0.5	<3	<5	50	<1	14	<5	0.79	0.015	86	<5	NA	8	NA	NA	NA	NA	NA	<5
OMBDRS7	P 26/4415	Burton Dam	402292	6569945	<0.01	<0.5	<3	<5	<5	<1	16	<5	0.65	0.004	80	<5	NA	<5	NA	NA	NA	NA	NA	<5
OMBDRS8	P 26/4415	Burton Dam	402334	6569926	0.02	<0.5	4	14	<5	1	13	<5	0.99	0.017	150	<5	NA	<5	NA	NA	NA	NA	NA	6
OMBDRS9	P 26/4415	Burton Dam	402326	6569924	0.02	<0.5	<3	7	8	<1	16	<5	1.05	0.014	133	<5	NA	6	NA	NA	NA	NA	NA	<5
OMBDRS10	P 26/4415	Burton Dam	402319	6569922	<0.01	<0.5	<3	<5	18	<1	26	<5	0.6	0.006	83	<5	NA	5	NA	NA	NA	NA	NA	<5
OMBDRS11		Burton Dam	402368	6569884	0.93	0.7	<3	26	328	3	23	20	1.19	0.026	168	6	NA	94	NA	NA	NA	NA	NA	126
OMBDRS12	P 26/4415	Burton Dam	402369	6569878	<0.01	<0.5	<3	20	6	3	20	<5	1.18	0.018	184	<5	NA	<5	NA	NA	NA	NA	NA	9
OMBDRS13	P 26/4415	Burton Dam	402357	6569872	<0.01	<0.5	<3	72	5	6	42	10	2.16	0.073	373	7	NA	<5	NA	NA	NA	NA	NA	10
OMBDRS14	P 26/4415	Burton Dam	402411	6569862	0.01	<0.5	<3	8	<5	<1	16	<5	0.8	0.009	83	<5	NA	<5	NA	NA	NA	NA	NA	10
OMBDRS15	P 26/4415	Burton Dam	402403	6569854	0.04	<0.5	<3	113	<5	2	22	6	1.14	0.094	170	<5	NA	<5	NA	NA	NA	NA	NA	9
OMBDRS16	P 26/4415	Burton Dam	402402	6569847	<0.01	<0.5	3	9	<5	<1	27	<5	1.02	0.017	105	<5	NA	<5	NA	NA	NA	NA	NA	6
OMBDRS17	P 26/4415	Burton Dam	402379	6569830	0.22	<0.5	<3	<5	73	<1	19	<5	0.95	<0.002	115	<5	NA	6	NA	NA	NA	NA	NA	<5
OMBDRS18		Burton Dam	402244	6569731	0.06	0.7	<3	<5	85	<1	<10	<5	0.58	0.008	74	<5	NA	10	NA	NA	NA	NA	NA	<5
OMBDRS19		Burton Dam	402230	6569780	0.01	<0.5	7	33	<5	1	28	8	1.32	0.05	176	<5	NA	<5	NA	NA	NA	NA	NA	6
OMBDRS20		Burton Dam	402230	6569780	0.01	<0.5	<3	144	<5	30	163	40	5.82	3.369	1161	<5	NA	6	NA	NA	NA	NA	NA	90
OMBDRS21	P 26/4415	Burton Dam	402191	6569792	<0.01	<0.5	6	<5	<5	<1	11	<5	1.03	0.007	119	<5	NA	<5	NA	NA	NA	NA	NA	<5
OMBDRS22	P 26/4415	Burton Dam	402184	6569849	<0.01	<0.5	7	752	<5	11	29	19	3.05	0.269	629	9	NA	7	NA	NA	NA	NA	NA	50
OMBDRS23	P 26/4415	Burton Dam	402210	6569887	<0.01	<0.5	<3	308	<5	26	50	89	5.1	1.069	1138	7	NA	5	NA	NA	NA	NA	NA	90
OMBDRS24	-, -	Burton Dam	402222	6569881	0.02	1.4	4	244	<5	29	40	42	8.19	0.797	1987	<5	NA	8	NA	NA	NA	NA	NA	93
OMKNRS1	E 28/2294	Kurnalpi	421109	6623019	0.03	<0.5	3	41	<5	4	36	18	1.69	0.025	337	<5	NA	<5	NA	NA	NA	NA	NA	8
OMKNRS2	E 28/2294	Kurnalpi	421166	6622968	<0.01	<0.5	3	16	<5	2	17	<5	1.06	0.034	173	<5	NA	<5	NA	NA	NA	NA	NA	<5
OMKNRS3	E 28/2294	Kurnalpi	421137	6622745	17.5	<0.5	147	43	<5	52	422	95	10.84	0.048	447	<5	NA	11	NA	NA	NA	NA	NA	52
OMKNRS4	E 28/2294	Kurnalpi	421141	6622760	8.78	<0.5	416	82	<5	44	1385	216	29.05	0.244	328	<5	NA	10	NA	NA	NA	NA	NA	125
OMKNRS5	E 28/2294	Kurnalpi	421132	6622761	2.77	<0.5	173	79	<5	11	521	112	13.38	0.105	273	<5	NA	12	NA	NA	NA	NA	NA	82
OMKNRS6	E 28/2294	Kurnalpi	421206	6622780	<0.01	<0.5	<3	11	<5	2	34	6	2.17	0.069	159	<5	NA	<5	NA	NA	NA	NA	NA	15
OMKNRS7	E 28/2294	Kurnalpi	421198	6622768	0.07	<0.5	6	<5	<5	1	15	<5	1.11	<0.002	128	<5	NA	<5	NA	NA	NA	NA	NA	<5
OMKNRS8	E 28/2294	Kurnalpi	421229	6622783	0.07	<0.5	7	96	<5	20	126	40	8.96	0.1	327	<5	NA	<5	NA	NA	NA	NA	NA	78
OMKNRS9	E 28/2294	Kurnalpi	421252	6622769	0.01	<0.5	<3	45	<5	41	213	48	17.74	0.081	434	<5	NA	<5	NA	NA	NA	NA	NA	55
OMKNRS10		Kurnalpi	421127	6622781	0.21	<0.5	104	307	<5	48	293	178	11.31	0.265	558	<5	NA	8	NA	NA	NA	NA	NA	163
OMKNRS11	-, -	Kurnalpi	421445	6623651	1.68	<0.5	3	11	<5	5	17	13	1.75	0.04	154	<5	NA	<5	NA	NA	NA	NA	NA	11
OMKNRS12	-, -	Kurnalpi	421425	6623218	<0.01	<0.5	11	14	<5	14	94	73	9.25	0.276	183	<5	NA	<5	NA	NA	NA	NA	NA	39
OMKNRS13	-, -	Kurnalpi	421306	6623069	0.23	<0.5	86	163	<5	2	53	55	2.71	0.065	154	<5	NA	5	NA	NA	NA	NA	NA	8
OMKNRS14		Kurnalpi	421356	6623055	<0.01	<0.5	7	59	<5	12	130	101	11.71	0.05	200	<5	NA	<5	NA	NA	NA	NA	NA	73
OMKNRS15	E 28/2294	Kurnalpi	421370	6622996	0.05	<0.5	6	22	<5	5	49	21	1.92	0.044	160	<5	NA	<5	NA	NA	NA	NA	NA	12

Table 1: Rock Chip Locations and Assay Results

Note: Coordinate datum MGA Zone 51 (GDA 94) NA – Not assayed.

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APPENDIX A:

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 specialized 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. Include reference to measures taken to ensure sample representivity and the appropriate calibration of any measurement tools or systems used. Aspects of the determination of mineralisation that are material to the public report. In cases where 'industry standard' work has been this would be relatively simple (e.g. 'reverse circulation drilling was used to obtain 1m samples from which 3kg was pulverized to produce a 30g 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. 	Rock chip samples of selected zones of outcrop or surface mullock from old workings were collected based on geological determination. Samples were collected in calico bags (2-3kg) and individually labelled and geologically documented.
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 orientated and if so, by what method, etc.). 	No drilling techniques were used to collect the samples.







Criteria	JORC Code Explanation	Commentary
Drilling Sampling Recovery	Method of recording and accessing core and chip sample recoveries and results accessed. Measures taken to maximise sample recovery and ensure representative nature of the 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.	No drilling methods were used to collect the samples.
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. Whether logging is qualitative or quantitative in nature. Core (or costean, channel, etc.) photography. The total length and percentage of the relevant intersections logged.	No drilling techniques were used to collect the samples. A geological description of the sample was recorded. Geological records have primarily been quantitative.
Sampling Techniques	 Nature and quality of sampling (e.g., cut channels, random chips or specific specialized 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. Include reference to measures taken to ensure sample representivity and the appropriate calibration of any measurement tools or systems used. 	Samples collected based on geological interpretation.







Criteria	JORC Code Explanation	Commentary
Sub Sampling techniques and sample preparation	 If core, whether cut or sawn and whether quarter, half or all core taken. If non-core, whether riffled, tube sampled, rotary split, etc. and whether sampled wet or dry. For all sample types, the nature, quality and appropriateness of the sample preparation technique. Quality control procedures adopted for all sub sampling stages to maximise representivity of samples. Measures taken to ensure that the sampling is representative of the insitu material collected, including for instance results for field duplicate / second half sampling. 	No drilling methods were used to collect the samples.
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. For geophysical tools, spectrometers, handheld XRF instruments, etc., the parameters used in determining the analysis including instrument make and model, reading times, calibration factors applied and their derivation, etc. 	Rock chip samples were prepped by SGS Kalgoorlie laboratory. Samples were sorted, weighed, dried, crushed and pulverized to 80% passing -75um. Pulps were sent to SGS Perth and analysed for gold by Fire Assay (AAS, 30g -10mL). The following elements were analysed by four acid digest and ICP-OES finish – Ag, As, Ba, Bi, Co, Cr, Cu, Fe, Mg, Mn, Mo, Pb and Zn. One selected sample was analysed for additional elements Ni, Pd, Pt, S, Sb and W by ICP-MS. No geophysical or handheld XRF instrument was used. Laboratory QAQC was undertaken.
Verification of sampling and assaying	 The verification of significant intersections by either independent or alternative company personnel. The use of twinned holes. Documentation of primary data, data entry procedures, data verification, data storage (physical and electronic) protocols. Discuss any adjustment to assay data. 	No drilling methods were used to collect the samples. Data was collected and documented by Orange Minerals staff geologists in the field.

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Criteria	JORC Code Explanation	Commentary
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. Specification of the grid system used. Quality and accuracy of topographic control. 	Rock chip locations were surveyed using a handheld GPS device. The grid used was MGA Zone 51, datum GDA94.
Data spacing and distribution.	 Data spacing for reporting of Exploration Results. 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 classification applied. Whether sample compositing has been applied. 	Distance between rock chip samples was variable and data spacing was dictated by orientation and availability of the outcrop. Data spacing is not sufficient to determine geological and grade continuity. Sampling was purely reconnaissance in nature and no compositing of samples or results was conducted.
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. If the relationship between the drilling orientation and the orientation of key mineralised structure is considered to have introduced a sampling bias, this should be assessed and reported if material. 	No drilling methods were used to collect the samples.
Sample security	The measures taken to ensure sample security	Samples collected in the field were transported in the same day, directly to the laboratory in Kalgoorlie.
Audits or reviews	The results of any audits or reviews of sampling techniques and data.	No audits or reviews were deemed necessary as the sampling was first pass exploration.





Section 2: Reporting of Exploration Results

(Criteria listed in the previous 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. The security of the tenure held at the time of reporting along with any known impediments to obtaining a license to operate in the area. 	Orange Minerals NL have acquired tenements covering approximately 116km² in the majestic area of the southern Kurnalpi Terrane, Eastern Goldfields Superterrane, Western Australia. The Kurnalpi project comprises one lease (E 28/2294) held 100% by Orange Minerals. The Burton Dam project is a collection of 12 tenements (P 26/4414 – 4420 and P 25/2570 – 2574) held 100% by Orange Minerals. There are no identified issues with the security of the tenements.
Exploration done by other parties.	 Acknowledgment and appraisal of exploration by other parties. 	Exploration sampling and reporting was conducted by Orange Minerals geologists.
Geology	Deposit type, geological setting, and style of mineralisation.	Orange Minerals is targeting gold and base metals within the Kalgoorlie East area of Western Australia. The Majestic tenements cover parts of the central and southwest Juglah Dome and extend westward over the Glandore mafic succession and the eastern part of the ultramafic Bulong Complex. The Glandore mafic succession and the Bulong Complex are considered part of the ca 2,700 Ma Kalgoorlie greenstones that have been thrust over younger ca 2,670 Ma felsic rocks of the Juglah Dome (Swager, 1997). Orogenic gold deposits are associated with regional N-S and NW-SE trending structures.
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 Elevation or RL of the drill hole collar Dip and azimuth of the hole Down hole length and interception depth Hole length 	No drilling was undertaken.







Criteria	JORC Code Explanation	Commentary
Data aggregation methods	In reporting Exploration results, weighting averaging techniques, maximum and / or minimum grade truncations and cut off grades are usually material and should be stated. Where aggregate intercepts incorporate short lengths of high-grade results and longer lengths are reported, there should be stated, and some typical examples of such aggregations should be shown in detail.	No drilling was undertaken. No averaging of rock chip results was undertaken. Individual assay results have been reported. No geometry or width have been reported.
Diagrams	 Appropriate maps and sections (with scales) and tabulations of intercepts should be included for any significant discovery being reported. 	No drilling was undertaken. Rock chip location diagrams are included in the announcement.
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 avoiding misleading reporting of Exploration results.	All results have been reported.
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.	All meaningful and material data has been reported.
Further work	The nature and scale of planned further work (e.g., tests for lateral or depth extensions or large – scale step out drilling).	Exploration within the Kurnalpi and Burton Dam tenements is at an early stage. More detailed exploration including mapping and channel sampling along the extent of outcrop that has previously returned elevated results, will be undertaken. Drilling is planned to test the significant rock chip results at both projects.

