

Auger Program Assay Results Received for Mailman Hill Gold Project

ASX Announcement
21 August 2024

Lightning Minerals (L1M or the Company) is pleased to announce the return of assays from its recent auger sampling program at its 100% owned Mailman Hill Project, 30km east of Leanora near Kalgoorlie in Western Australia. The Labwest UFF+ analysis technique results highlight three areas of interest for follow up exploration, with peak gold anomalism returning at 141ppb Au.

The assays are from the recently completed auger drilling campaign- which aimed to identify drill targets which may be an extension to Cavalier Resources' (ASX: CVR) Crawford Gold Project which hosts 3.75Mt @ 1.0g/t for 118Koz (Inferred + Indicated) and initial Probable Ore Reserve of 1.00Mt @ 0.91g/t for 29Koz².

The Mailman Hill asset is a project that was part of the Company's IPO on the ASX in November 2022 and the Company is excited about the gold potential the Mailman Hill asset may present in the future. While the Company is still focused on its lithium projects, Mailman Hill provides some positive results in a strong market for gold and precious metals.

HIGHLIGHTS

- **Program tested 9km of the prospective lithology within the Keith-Kilkenny Tectonic Zone immediately southeast of the Crawford Gold Project (ASX:CVR)**
- **Assays highlight three broad clustered areas with multiple results >15ppb Au that require follow up exploration.**
- **Peak UFF+ gold value of 141ppb Au returned from saprolite above Felsic Volcaniclastics of the Minerie Formation**

Lightning Minerals Managing Director Alex Biggs said, "First pass results from Mailman Hill are encouraging and provide impetus for further follow up and allows the Company to capitalise on an asset that was part of our IPO. We are still principally focused on the critical minerals and lithium markets, supported by our recent acquisition of the Caraíbas, Sidrônio and Esperança projects in Brazil's Lithium Valley but see value at Mailman Hill. We will now look at the next stage of works and aim to expand on the principle areas of interest that have been identified during this campaign".

¹ASX Announcement 11 June 2024

²Cavalier Resources (ASX: CVR) ASX Announcement 14 March 2024

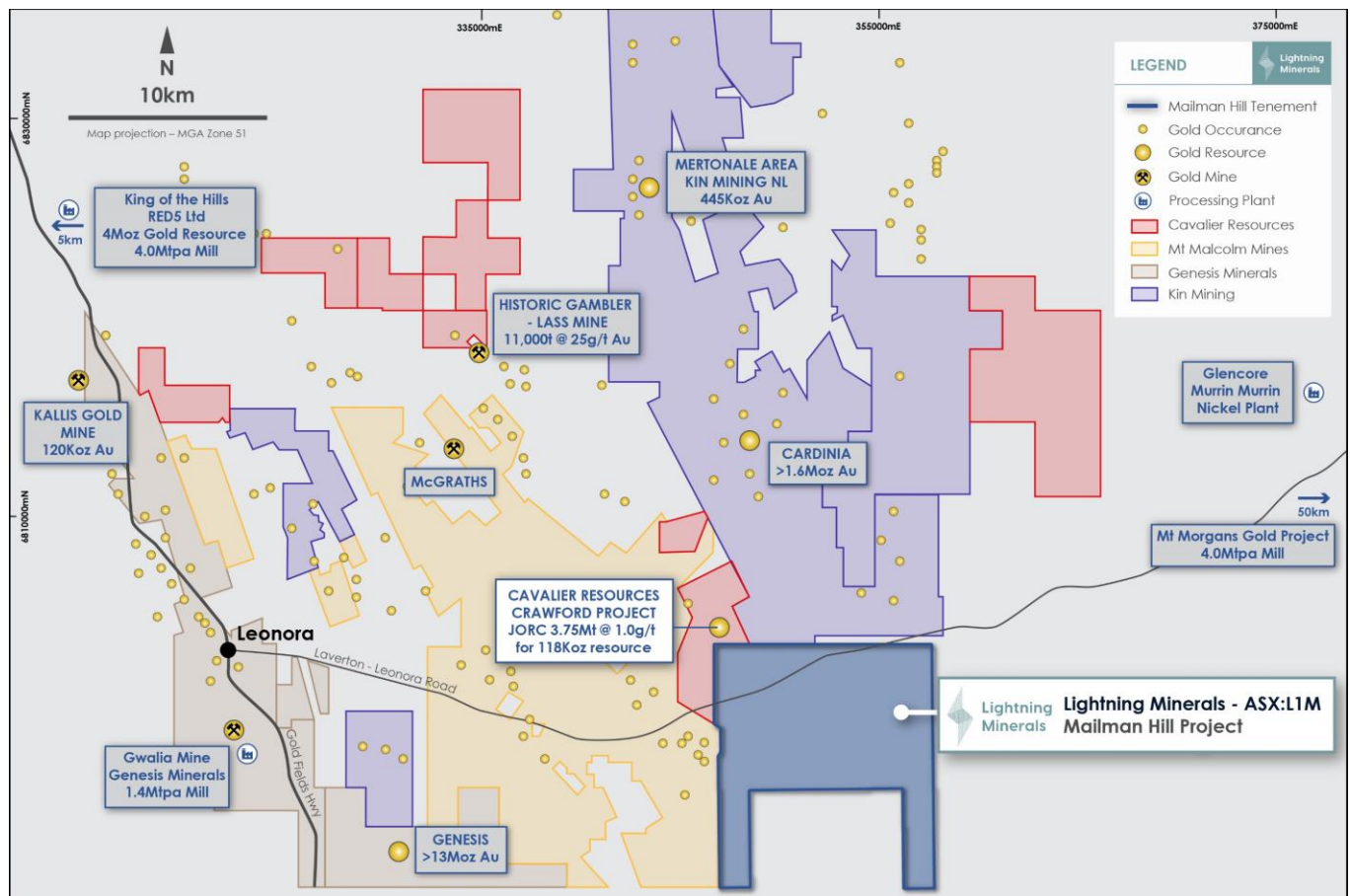
JORC Resource Estimate: 3.75Mt @ 1.00g/t for 117,800 Ounces (Indicated: 1.15Mt @ 1.00g/t for 37,300 Ounces, Inferred: 2.59Mt @ 1.00g/t for 80,600 Ounces)

AUGER DRILLING STRATEGY FOR E37/1408 - MAILMAN HILL GOLD PROJECT

The Mailman Hill project is located adjacent to the southeast of Cavalier Resources (ASX:CVR). Recent exploration success has progressed the Crawford gold project beyond Prefeasibility studies and has successfully delineated a JORC gold resource of 3.74Mt @ 1.0g/t (0.5g/t cut off) for 117,800 ounces² (Figure 1).

The Mailman Hill auger sampling program was designed to test the geophysical trend extensions over a spatial footprint of approximately 41km², including an 8km stretch of prospective strike extension south east of the Crawford project. Seven hundred and nineteen (719) auger samples have now been collected at average depths of 1.5 metres beneath alluvial cover. Samples were collected into kraft field sampling bags which were then sent to LabWest Minerals Analysis of Perth for analysis using the CSIRO developed Labwest UltraFine+™ (UFF+) analysis technique. The UFF+ technique was developed to test for low level pathfinder element anomalism through the cover sequences, the application of this technique is considered appropriate for the Mailman Hill gold project.

Figure 1: Mailman Hill Project location

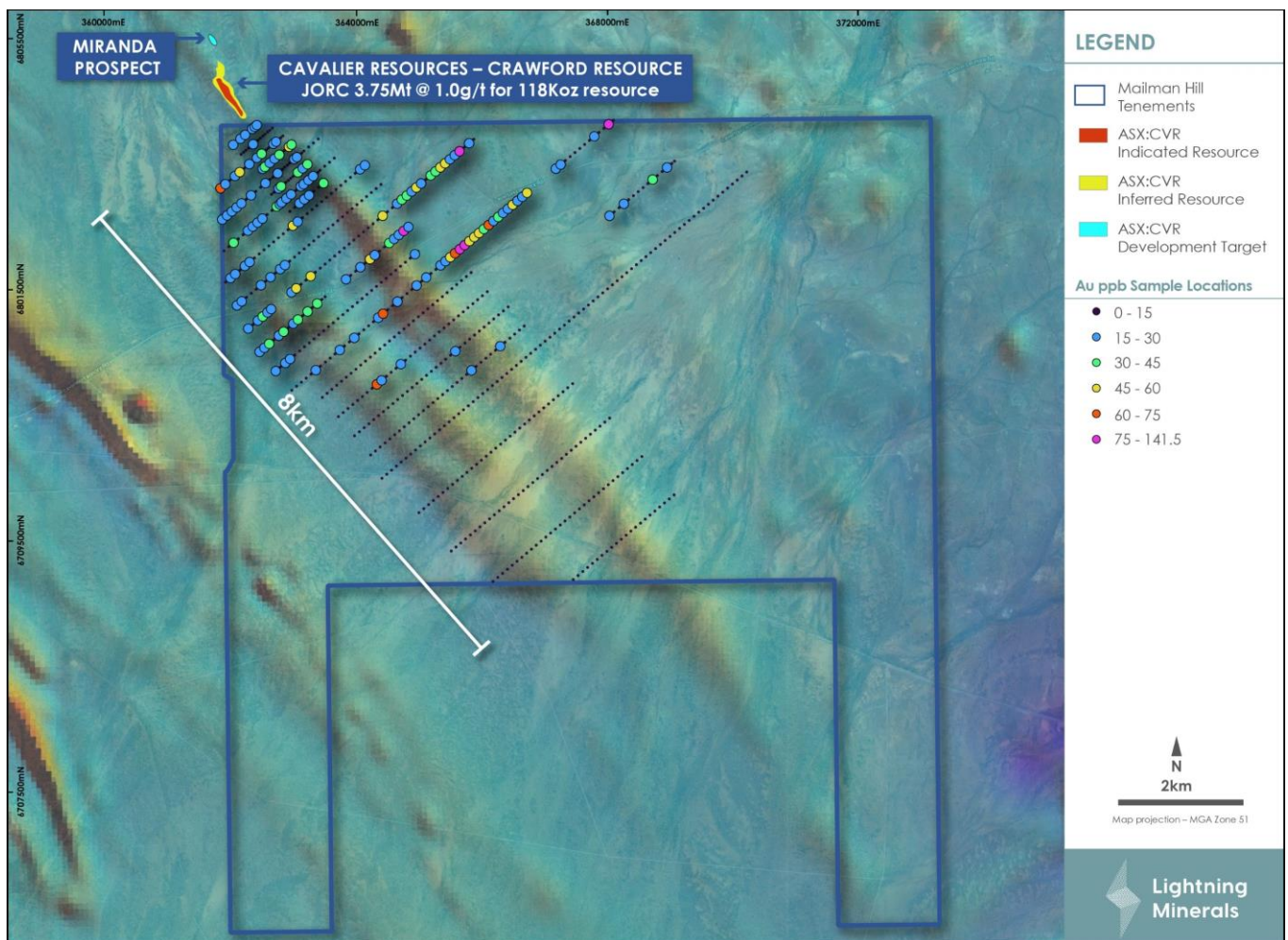


KEY ASSAY RESULTS

The UFF+ analytical method was selected as it can detect very subtle anomalies in transported cover where other traditional detection methods may be challenged. The UFF+ process involves a physical step to retain the fine microparticles of less than two microns in size as they have a greater surface area to test for the presence of adsorbed gold and other elements. Where metals can reasonably migrate to the surface in great enough concentrations, the UFF+ method is the best suited to expose even very low tenor response anomalous.

Results for the Mailman Hill auger program are encouraging, Au results show a concentration of broad low level (>15ppb Au) clusters in the north-western half of the auger program area (Figure 2).

Figure 2: Mailman Hill Project complete auger program Au assay results showing gold anomalous clustered in North-Western half of survey area.

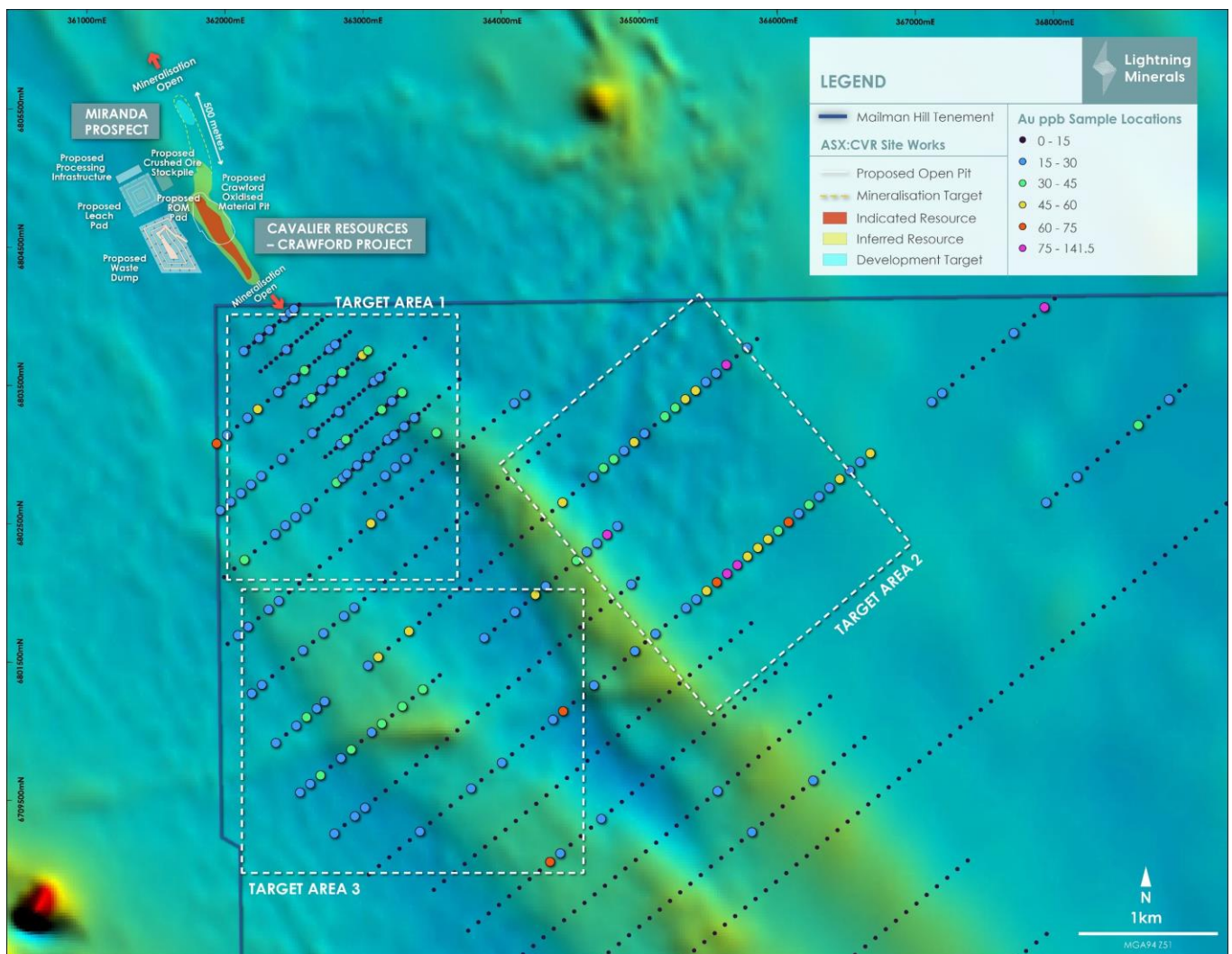


This concentration of results can be further subdivided into three areas above 15ppb Au (Figure 3). The response from the south-eastern half of the program may be further subdued due to the depth of the alluvial cover increasing in this area.

The peak Au value (141ppb Au) occurs within 'Target area 2' in sample MHAU00250 which is located approximately 3km east of the interpreted extensions of the Crawford project. The relationship between the peak gold values returned in this location will be investigated as a priority, as the elevated Au responses are more consistent along the two sample traverses present within 'Target area 2' as shown in Figure 2 below. The underlying geology in this location is interpreted as Felsic Volcaniclastics of the Minerie Formation, which may lie on the eastern contact of the broad eastern boundary of the Keith-Kilkenny Tectonic Zone (KKTZ). The KKTZ lineament is a major structural feature within the Eastern Goldfields Superterrane and has a strong association with various gold deposits within the region.

High resolution and targeted infill auger programs may be considered to improve the clarity of results for any Aircore drill target generation, and for follow up exploration works. Assay results for the Mailman Hill auger program are visually displayed shown in Figure 2 and 3, a full list of results for samples >15ppb Au is available in Appendix 1.

Figure 3: Mailman Hill Project Auger program Au results showing three broad Target areas for follow up exploration works



NEXT STEPS AND OTHER WORK PROGRAMS

A review of geochemical results including analysis of pathfinder elements to elucidate any subtle trends will be completed to aid in the drill targeting exercise. Small, targeted, and cost-effective infill auger programs may be considered prior to a decision on aircore drill testing.

The Company has recently begun works on its recently acquired Caraíbas and Sidrônio lithium projects in Minas Gerais, Brazil. The work program consists of geophysics, soil sampling and ground reconnaissance and is a crucial step in identifying drill targets across the project area. The projects are in the prolific Lithium Valley region of Minas Gerais which hosts multiple proven lithium Mineral Resources. The Company will expand its works to its other recently acquired project in Lithium Valley, Brazil, Esperança.

The Company is also reviewing and developing its next phase of work for its Dundas project in Western Australia where multiple lithium in soil anomalies exist for follow up.

Approved for release by the Board of Directors

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More information at www.lightningminerals.com.au

ABOUT LIGHTNING MINERALS

Lightning Minerals is a mineral exploration company, listed on the Australian Securities Exchange (ASX:L1M) and focused on the exploration of critical minerals and lithium at its tenements across Western Australia. The Company's Dundas project is located in the prolific Dundas region of Western Australia. The recent acquisition of the Caraíbas, Sidrônio and Esperança lithium projects in Minas Gerais, Brazil are potentially transformational to the Company's success in the lithium sector. The Company also owns the Dalmas and Hiver lithium projects in Quebec, Canada, another significant and evolving lithium region globally as well as other projects in Western Australia which include Mt Jewell, Mt Bartle and Mailman Hill which are prospective for base metals and critical minerals.

FORWARD LOOKING STATEMENTS

Information included in this release constitutes forward-looking statements. Often, but not always, forward looking statements can generally be identified by the use of forward-looking words such as "may", "will", "expect", "intend", "plan", "estimate", "anticipate", "continue", and "guidance", or other similar words and may include, without limitation, statements regarding plans, strategies and objectives of management, anticipated production or construction commencement dates and expected costs or production outputs.

Forward looking statements inherently involve known and unknown risks, uncertainties and other factors that may cause the Company's actual results, performance and achievements to differ materially from any future results, performance or achievements. Relevant factors may include, but are not limited to, changes in commodity prices, foreign exchange fluctuations and general economic conditions, increased costs and demand for production inputs, the speculative nature of exploration and project development, including the risks of obtaining necessary licences and permits and diminishing quantities or grades of reserves, political and social risks, changes to the regulatory framework within which the Company operates or may in the future operate, environmental conditions including extreme weather conditions, recruitment and retention of personnel, industrial relations issues and litigation.

Forward looking statements are based on the Company and its management's good faith assumptions relating to the financial, market, regulatory and other relevant environments that will exist and affect the Company's business and operations in the future. The Company does not give any assurance that the assumptions on which forward looking statements are based will prove to be correct, or that the Company's business or operations will not be affected in any material manner by these or other factors not foreseen or foreseeable by the Company or management or beyond the Company's control.

Although the Company attempts and has attempted to identify factors that would cause actual actions, events or results to differ materially from those disclosed in forward looking statements, there may be other factors that could cause actual results, performance, achievements or events not to be as anticipated, estimated or intended, and many events are beyond the reasonable control of the Company. Accordingly, readers are cautioned not to place undue reliance on forward looking statements. Forward looking statements in these materials speak only at the date of issue. Subject to any continuing obligations under applicable law or any relevant stock exchange listing rules, in providing this information the Company does not undertake any obligation to publicly update or revise any of the forward-looking statements or to advise of any change in events, conditions or circumstances on which any such statement is based.

COMPETENT PERSONS STATEMENT

The information contained herein that relates to exploration results is based on information compiled or reviewed by Mr Jarra Woodland, who is a Competent Person and a member of the Australasian Institute of Mining and Metallurgy. Mr Woodland is a full-time employee of the Company. Mr Woodland has sufficient experience which is relevant to the style of mineralisation and types of deposit under consideration and to the activity which he is undertaking to qualify as a Competent Persons as defined in the 2012 Edition of the 'Australasian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves'. Mr Woodland consents to the inclusion of his name in the matters based on the information in the form and context in which it appears. Mr Woodland holds options in Lightning Minerals.

REFERENCES TO PREVIOUS ANNOUNCEMENTS

The Company confirms that it is not aware of any new information or data that materially affects the information included in the original market announcements, and that all material assumptions and technical parameters have not materially changed. The Company also confirms that the form and context in which the Competent Person's findings are presented have not been materially modified from the original market announcement.

Appendix 1: Mailman Hill – JORC Code 2012 Table 1 Criteria

The Table below summarises the assessment and reporting criteria used for exploration results for the Mailman Hill Exploration Project and reflects the guidelines in Table 1 of The Australasian Code for the Reporting of Exploration Results, Mineral Resources and Ore Reserves (The JORC 2012 Code).

Section 1 - Sampling Techniques and Data

Criteria	JORC Code explanation	Commentary
<i>Sampling techniques</i>	<i>Nature and quality of sampling (eg 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. 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 done this would be relatively simple (eg ‘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 (eg submarine nodules) may warrant disclosure of detailed information.</i>	<ul style="list-style-type: none"> Auger (Aug) drilling samples were collected at a nominal 1.5m depth or at the field geologists discretion. Selected intervals for sampling generally correspond with the end of each auger hole. Each collected sample weighs approximately 200gms. All 719 samples were submitted to the analytical laboratory. Sample quality was supervised with no material sample loss or excess moisture recorded. Sampling was carried out using Lightning Minerals procedures and QAQC processes as per current industry standard practice. Drillhole collars are located using a Garmin Map 62s handheld device and are reported in projection MGA94 Zone 51
<i>Drilling techniques</i>	<i>Drill type (eg core, reverse circulation, open-hole hammer, rotary air blast, auger, Bangka, sonic, etc) and details (eg 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).</i>	<ul style="list-style-type: none"> Auger drilling is the technique used for this drilling campaign with collar size of 120mm. The rig is mounted on a Toyota Landcruiser Average depth of hole is 1.5m, depths range from 0.1m to 7m deep. Holes are drilled vertical.
<i>Drill sample recovery</i>	<i>Method of recording and assessing core and chip sample recoveries and results assessed. 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.</i>	<ul style="list-style-type: none"> No recovery measurement is done: the samples are collected for grades under alluvial/lateritic cover. Little water was intersected downhole. Care was taken to ensure kraft sample bags were of consistent volume and weight as close as practicable to 200gm. Samples are representative of the drilled intervals.
<i>Logging</i>	<i>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.</i>	<ul style="list-style-type: none"> Logging of the weathered and regolith profile is done at the rig site during drilling. Logging is qualitative. No intersections are recorded: Auger is used as a geochemistry survey below alluvial/lateritic cover. Level and quality of logging is not defined to establish a geological and structural model but to check and define potential source of surface anomalous gold samples.
<i>Sub-sampling techniques and sample preparation</i>	<i>If core, whether cut or sawn and whether quarter, half or all core taken.</i>	<ul style="list-style-type: none"> Samples collected at the rig are 200gm per unit. Samples are collected in small kraft cardboard bags.

	<p><i>If non-core, whether riffled, tube sampled, rotary split, etc and whether sampled wet or dry.</i></p> <p><i>For all sample types, the nature, quality and appropriateness of the sample preparation technique.</i></p> <p><i>Quality control procedures adopted for all sub-sampling stages to maximise representivity of samples.</i></p> <p><i>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.</i></p> <p><i>Whether sample sizes are appropriate to the grain size of the material being sampled.</i></p>	<ul style="list-style-type: none"> Industry standard QA/QC practices of field duplicates and blank sampling, and the appropriate use of laboratory provided Certified Reference Material for low level gold are used for all laboratory sample submissions. Field Duplicates are utilised by the company at a rate of 1:50 samples for auger drilling campaigns.
Quality of assay data and laboratory tests	<p><i>The nature, quality and appropriateness of the assaying and laboratory procedures used and whether the technique is considered partial or total.</i></p> <p><i>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.</i></p> <p><i>Nature of quality control procedures adopted (eg standards, blanks, duplicates, external laboratory checks) and whether acceptable levels of accuracy (ie lack of bias) and precision have been established.</i></p>	<ul style="list-style-type: none"> Samples, including QA/QC samples, have been processed by LabWest Minerals Analysis of Perth Western Australia, whom is accredited to ISO17025. Analysis has been completed using the CSIRO developed Labwest UltraFine+™ (UFF+) analysis technique. Sample sizes of approximately 200gm are considered appropriate for the Ultrafine+ analytical technique. Auger samples were collected on a general 100m sample spacing, 400m line spacing grid pattern, and were best orientated to cross geological strike at approximately 90 degrees. Some minor variations to sample site locations will occur due to field complexities.
Verification of sampling and assaying	<p><i>The verification of significant intersections by either independent or alternative company personnel.</i></p> <p><i>The use of twinned holes.</i></p> <p><i>Documentation of primary data, data entry procedures, data verification, data storage (physical and electronic) protocols.</i></p> <p><i>Discuss any adjustment to assay data.</i></p>	<ul style="list-style-type: none"> The CP independently verified drilling, sampling, assay and logging results from a validated, externally maintained and stored geological database. No adjustments to assay data have been performed. The CP has verified the drill collar, assay and assay QA/QC data.
Location of data points	<p><i>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.</i></p> <p><i>Specification of the grid system used.</i></p> <p><i>Quality and adequacy of topographic control.</i></p>	<ul style="list-style-type: none"> Handheld Garmin GPS instruments were used to geolocate each auger drill collar, these instruments are understood to be accurate within a ±5m in the horizontal and vertical planes. The level of topographic control offered by a handheld GPS is considered sufficient for early exploration auger drilling. All samples were collected in the Geocentric Datum of Australia 1994 (GDA94) system. (MGA94, Zone 51)
Data spacing and distribution	<p><i>Data spacing for reporting of Exploration Results.</i></p> <p><i>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.</i></p> <p><i>Whether sample compositing has been applied.</i></p>	<ul style="list-style-type: none"> The auger drillhole spacing is considered appropriate for the reporting of the exploration results. No Mineral Resource or Ore Reserve Estimates have been completed.
Orientation of data in relation to geological structure	<p><i>Whether the orientation of sampling achieves unbiased sampling of possible structures and the extent to which this is known, considering the deposit type.</i></p> <p><i>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.</i></p>	<ul style="list-style-type: none"> The auger drilling of soil geochemical targets was targeted as best possible at this early stage of exploration activities.
Sample security	<p><i>The measures taken to ensure sample security.</i></p>	<ul style="list-style-type: none"> The chain of custody for sampling procedures and sample analysis was managed by the rig geologists during drilling.

Audits or reviews	The results of any audits or reviews of sampling techniques and data.	<ul style="list-style-type: none"> No audits or reviews of sampling techniques have been conducted to date.
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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 security of the tenure held at the time of reporting along with any known impediments to obtaining a licence to operate in the area.	<ul style="list-style-type: none"> The Mailman Hill Project is located ~30km east of Leonora in Western Australia. The Mailman Hill Project area totals ~101.8km² and comprises one granted exploration licence E37/1408 The Tenements are covered by the Wangkatja Tjungula Determined Native Title Claim. An agreement is in Place between the Wangkatja Tjungula Native Title Aboriginal Corporation RNTBC and Lightning Minerals. The Tenements are considered in good standing at the time of this report.
Exploration done by other parties	Acknowledgment and appraisal of exploration by other parties.	<ul style="list-style-type: none"> The Mailman Hill Project area has been explored predominantly for gold and base metals by various prior parties. More recent and comprehensive exploration has included a focus on Gold via explorers such as Jindalee Resources / Newcrest Mining (Iron Tank JV) (2004-2005) and Goldpyre Resources (2013-2015) The result of this work is described in numerous publicly available Geological Society of Western Australia publications. Review of the considerable historic exploration activities has been completed; data is collated into company databases as per industry standard data collection practice.
Geology	Deposit type, geological setting and style of mineralisation.	<ul style="list-style-type: none"> No known mineral deposits occur within project tenure. There are publicly reported occurrences of gold deposits within an acceptable proximity to the Mailman Hill Project exploration tenure. (Cavalier Resources (ASX:CVR) – Crawford Deposit) The Mailman Hill Project straddles the boundary between the Menangina and Murrin Domains of the Kurnalpi Terrane of the Eastern Goldfields Province. The project covers a significant section of the Keith Kilkenny Lineament that forms the domain boundary and a structurally complex package of the Murrin Greenstone Belt including mafic, ultramafic, and felsic volcanic sedimentary units.
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"> easting and northing of the drill hole collar elevation or RL (Reduced Level – elevation above sea level in metres) of the drill hole collar down hole length and interception depth, hole length. 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.	<ul style="list-style-type: none"> Relevant auger drill hole information has been provided in Appendix 1 of this release. No material information has been excluded from this report, laboratory analytical results have been adequately communicated and described within the body of this report.
Data aggregation methods	In reporting Exploration Results, weighting averaging techniques, maximum and/or minimum grade truncations (eg cutting of high grades) and cut-off grades are usually Material and should be stated. 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.	<ul style="list-style-type: none"> No levelling of the raw geochemical data was undertaken. Plan images have been generated using QGIS software. No metal equivalent values are reported.

<i>Relationship between mineralisation widths and intercept lengths</i>	<i>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 (eg 'down hole length, true width not known').</i>	<ul style="list-style-type: none"> The Auger drilling data described in this report are reported as downhole samples, no intervals are reported. There is insufficient data provided by the auger geochemistry contained within this report for a relationship between any mineralisation, or its geometry.
<i>Diagrams</i>	<i>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.</i>	<ul style="list-style-type: none"> Appropriate reporting of results has been included in the body of this announcement; the plans, or lack thereof suitably represent the nature of the drilling results.
<i>Balanced reporting</i>	<i>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.</i>	<ul style="list-style-type: none"> Comprehensive reporting of all exploration results is not considered practicable for this announcement. Pertinent information for samples returning above 15ppb Au has been communicated in Appendix 1 to ensure balanced and representative reporting of exploration results has been achieved.
<i>Other substantive exploration data</i>	<i>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.</i>	<ul style="list-style-type: none"> All meaningful data and relevant information have been included in the body of the report.
<i>Further work</i>	<i>The nature and scale of planned further work (eg 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.</i>	<ul style="list-style-type: none"> The planning of follow up Aircore Drilling is dependent on a full review of the laboratory analytical results and remains under consideration.

Appendix 1 - Table 1: Mailman Hill Auger program collar locations and Au results >15ppb Au

Tenement	Hole ID	Collar Easting (MGA94_Z51)	Collar Northing (MGA94_Z51)	Sample Depth (m)	Au (ppb)	Ag (ppm)	As (ppm)	Cu (ppm)	Ni (ppm)	Pb (ppm)	Pd (ppb)	Pt (ppb)	Sb (ppm)	Te (ppm)	Zn (ppm)
E37/1408	MHAU00001	362080	6803764	1	16.7	0.050	10.7	65.0	159	14.6	4	5	0.598	0.072	78.5
E37/1408	MHAU00004	362194	6803860	4	17.5	0.038	12.2	61.8	71.5	6.69	2	3	0.669	0.052	57.1
E37/1408	MHAU00006	362270	6803922	2	15.9	0.050	9.3	48.4	79.0	8.13	4	5	0.516	0.055	61.9
E37/1408	MHAU00009	362384	6804018	1.5	15.1	0.045	14.4	70.3	111	11.9	5	5	0.662	0.060	85.4
E37/1408	MHAU00010	362423	6804050	1.5	15.1	0.047	11.6	57.3	94.2	10.1	5	4	0.644	0.057	74.8
E37/1408	MHAU00011	362456	6804079	1.5	16.4	0.045	11.5	60.3	92.9	12.5	5	6	0.650	0.064	82.0
E37/1408	MHAU00018	362398	6803774	1.5	16.7	0.027	7.5	50.2	104	9.94	2	4	0.399	0.049	68.1
E37/1408	MHAU00027	361877	6803072	7	74.4	0.041	9.9	51.0	64.0	6.83	4	6	0.521	0.053	61.4
E37/1408	MHAU00028	361954	6803136	2	24.7	0.030	7.7	51.4	89.1	10.3	5	4	0.388	0.058	84.8
E37/1408	MHAU00030	362107	6803265	3	16.7	0.043	13.2	65.9	89.5	8.10	5	5	0.692	0.064	82.9
E37/1408	MHAU00031	362184	6803329	6	53.8	0.032	9.5	52.1	85.2	8.00	3	5	0.505	0.060	65.4
E37/1408	MHAU00033	362337	6803457	4	18.5	0.042	13.4	60.6	119	8.65	4	5	0.754	0.060	68.8
E37/1408	MHAU00036	362457	6803556	2	26.8	0.032	7.4	45.8	62.8	7.55	7	6	0.458	0.049	55.2
E37/1408	MHAU00038	362534	6803621	3	42	0.048	10.0	58.2	99.1	8.72	4	6	0.605	0.048	72.7
E37/1408	MHAU00043	362720	6803779	1	22.2	0.041	11.7	65.0	91.8	12.5	4	4	0.539	0.053	93.4
E37/1408	MHAU00044	362763	6803813	1.5	22.4	0.043	9.5	64.0	104	10.4	5	6	0.466	0.050	81.8
E37/1408	MHAU00048	362549	6803382	1	15.5	0.064	14.1	65.9	113	12.0	4	6	0.821	0.078	94.3
E37/1408	MHAU00050	362509	6803348	1	15	0.039	10.7	58.8	92.6	13.8	5	5	0.516	0.062	90.8
E37/1408	MHAU00051	362586	6803412	1	37.5	0.059	10.3	60.0	115	11.0	5	5	0.479	0.051	89.4
E37/1408	MHAU00053	362662	6803476	1	26.7	0.049	11.1	59.4	102	13.8	4	4	0.525	0.059	94.2
E37/1408	MHAU00055	362739	6803541	2	21.5	0.062	12.0	66.3	106	10.3	6	7	0.679	0.052	92.7
E37/1408	MHAU00057	362816	6803605	2	37.2	0.053	12.1	67.8	107	10.8	3	4	0.637	0.061	86.8
E37/1408	MHAU00060	362969	6803733	2.5	55.5	0.044	8.1	56.1	102	8.96	3	2	0.367	0.042	75.1
E37/1408	MHAU00061	363009	6803767	2	38.9	0.049	10.3	59.1	93.7	9.93	3	4	0.439	0.046	80.2
E37/1408	MHAU00062	361904	6802572	1.5	27.5	0.037	8.8	51.1	86.4	10.6	5	6	0.477	0.055	80.8
E37/1408	MHAU00063	361981	6802637	2.5	27.7	0.034	7.7	50.5	81.0	8.46	5	5	0.430	0.046	73.1
E37/1408	MHAU00064	362058	6802701	1.5	24.1	0.043	9.8	56.5	93.3	12.8	5	4	0.528	0.069	92.6

E37/1408	MHAU00065	362134	6802765	1	26.8	0.049	10.4	64.4	86.8	13.2	8	6	0.549	0.067	96.9
E37/1408	MHAU00066	362211	6802830	1.5	20.4	0.050	9.4	55.6	82.6	12.2	6	5	0.542	0.069	89.0
E37/1408	MHAU00068	362364	6802958	1	25.6	0.059	11.3	63.3	98.9	13.9	6	4	0.733	0.071	89.0
E37/1408	MHAU00071	362594	6803151	3	24.1	0.067	10.3	54.2	88.1	12.5	4	5	0.810	0.074	79.1
E37/1408	MHAU00076	362790	6803310	1	15.5	0.048	12.0	66.8	106	14.4	4	4	0.627	0.066	99.5
E37/1408	MHAU00081	363053	6803537	1.5	22.3	0.055	9.1	61.0	107	11.8	3	3	0.454	0.056	87.5
E37/1408	MHAU00082	363096	6803567	1.5	17.3	0.052	8.9	63.2	116	12.6	2	3	0.439	0.052	80.9
E37/1408	MHAU00094	362805	6803068	3	21.2	0.049	9.3	63.0	111	12.8	3	5	0.505	0.055	89.4
E37/1408	MHAU00095	362844	6803102	3	36.3	0.070	10.0	68.9	121	14.0	4	3	0.514	0.067	100
E37/1408	MHAU00102	363112	6803325	4	34.6	0.032	10.7	63.2	85.3	8.98	5	4	0.459	0.053	75.0
E37/1408	MHAU00104	363188	6803389	1	16.7	0.057	10.8	60.6	98.0	11.9	5	3	0.476	0.060	87.7
E37/1408	MHAU00106	363265	6803454	1.5	30.3	0.058	9.8	54.7	85.1	10.5	3	3	0.469	0.054	80.1
E37/1408	MHAU00109	362085	6802202	2.5	36.5	0.045	8.6	50.0	78.1	8.79	4	4	0.464	0.054	70.5
E37/1408	MHAU00112	362315	6802395	2	15.1	0.040	11.1	59.9	79.8	14.8	3	4	0.576	0.081	91.4
E37/1408	MHAU00113	362391	6802459	2	21.7	0.039	9.2	58.0	85.1	10.8	5	3	0.493	0.060	88.8
E37/1408	MHAU00114	362468	6802523	4	21.5	0.060	9.7	53.1	96.3	12.1	5	4	0.505	0.057	85.7
E37/1408	MHAU00115	362545	6802587	4.5	25.6	0.045	12.8	58.9	83.0	7.94	6	6	0.758	0.056	68.7
E37/1408	MHAU00118	362774	6802780	3	35.1	0.071	9.8	59.0	105	11.4	5	4	0.496	0.062	77.6
E37/1408	MHAU00119	362820	6802814	3	28	0.068	8.9	62.3	88.3	11.3	3	4	0.418	0.059	76.6
E37/1408	MHAU00120	362851	6802845	1.5	17.4	0.058	10.0	67.1	110	13.3	3	5	0.441	0.060	98.5
E37/1408	MHAU00121	362897	6802878	3.5	15	0.061	10.3	60.8	98.0	12.9	4	3	0.529	0.059	84.6
E37/1408	MHAU00122	362928	6802909	3.5	20.2	0.057	11.3	69.3	107	13.1	4	3	0.525	0.067	94.9
E37/1408	MHAU00124	363004	6802973	3.5	28.3	0.062	8.8	60.0	103	10.8	3	2	0.446	0.054	80.3
E37/1408	MHAU00128	363157	6803102	3	29.5	0.064	9.9	57.9	124	9.81	3	3	0.434	0.049	79.6
E37/1408	MHAU00129	363203	6803135	4	15.9	0.050	10.6	61.4	79.7	7.56	5	5	0.428	0.039	68.1
E37/1408	MHAU00131	363280	6803200	1.5	27.1	0.061	11.4	61.0	120	13.4	4	3	0.543	0.059	79.0
E37/1408	MHAU00133	363356	6803264	2.5	15.1	0.068	14.1	75.0	106	9.86	4	5	0.625	0.056	90.1
E37/1408	MHAU00140	363137	6802831	3	19.1	0.074	10.2	61.0	93.7	5.61	5	5	0.510	0.042	66.5
E37/1408	MHAU00143	363214	6802895	3	29.1	0.069	8.7	58.0	110	7.11	6	6	0.328	0.042	66.8
E37/1408	MHAU00144	363291	6802959	3	20.9	0.080	9.1	59.8	102	5.88	2	2	0.433	0.046	71.2

E37/1408	MHAU00147	363521	6803152	4.5	40.3	0.067	10.0	62.0	103	3.46	3	3	0.421	0.039	57.6
E37/1408	MHAU00149	362036	6801638	3	24.5	0.054	11.2	63.1	78.0	5.02	7	5	0.657	0.068	70.0
E37/1408	MHAU00150	362112	6801702	3	21.3	0.071	9.7	61.6	93.1	11.0	4	4	0.614	0.071	82.7
E37/1408	MHAU00152	362265	6801831	2	17.9	0.050	9.1	57.3	74.0	6.94	7	4	0.422	0.056	77.3
E37/1408	MHAU00153	362342	6801895	3	20.2	0.044	7.8	53.4	76.9	4.42	3	4	0.386	0.049	65.6
E37/1408	MHAU00162	363031	6802474	1.5	51.1	0.064	8.4	59.3	97.8	6.92	7	7	0.408	0.060	77.0
E37/1408	MHAU00163	363108	6802538	1.5	16.6	0.082	7.4	48.8	119	8.90	4	3	0.411	0.059	60.3
E37/1408	MHAU00176	364104	6803374	3	29.4	0.069	11.9	74.3	111	4.80	3	3	0.592	0.048	78.8
E37/1408	MHAU00177	364181	6803438	3	24	0.059	14.1	75.2	81.1	3.52	5	4	0.490	0.034	72.1
E37/1408	MHAU00178	362140	6801203	1.5	18.6	0.045	12.2	61.2	92.7	6.63	3	3	0.630	0.054	77.3
E37/1408	MHAU00179	362216	6801267	1.5	22.6	0.050	8.2	53.4	91.5	5.69	3	5	0.466	0.055	69.2
E37/1408	MHAU00183	362523	6801525	1.5	25.3	0.091	12.7	56.5	73.4	7.38	4	4	0.808	0.069	70.6
E37/1408	MHAU00184	362599	6801589	1.5	15	0.070	12.0	65.7	100	7.84	8	6	0.630	0.071	85.3
E37/1408	MHAU00185	362676	6801653	1.5	16	0.045	8.8	58.8	75.3	6.38	2	2	0.440	0.050	80.7
E37/1408	MHAU00187	362829	6801782	1.5	21.1	0.058	9.6	59.5	109	5.80	2	3	0.429	0.041	78.8
E37/1408	MHAU00188	362906	6801846	1.5	24.4	0.070	9.9	53.2	76.2	5.49	2	3	0.438	0.042	66.6
E37/1408	MHAU00209	362320	6800833	1.5	18	0.035	7.5	51.8	85.7	6.27	3	3	0.379	0.052	82.5
E37/1408	MHAU00211	362473	6800961	1.5	30	0.057	8.2	59.2	97.5	5.48	7	7	0.502	0.051	79.7
E37/1408	MHAU00212	362550	6801025	1.5	30.9	0.075	10.2	73.6	95.7	6.10	6	6	0.554	0.048	87.6
E37/1408	MHAU00213	362626	6801090	1.5	29.2	0.056	9.2	58.1	90.2	5.47	4	4	0.555	0.053	70.3
E37/1408	MHAU00214	362685	6801143	1.5	25.4	0.076	10.1	66.1	101	6.13	2	2	0.604	0.061	91.3
E37/1408	MHAU00215	363009	6801411	1.5	17.5	0.081	9.0	47.3	78.2	5.36	4	3	0.387	0.049	71.9
E37/1408	MHAU00216	363086	6801475	1.5	46.4	0.100	7.8	57.7	96.2	6.47	9	7	0.330	0.044	79.6
E37/1408	MHAU00219	363316	6801668	1.5	49.8	0.080	12.7	71.6	89.2	4.07	6	5	0.504	0.046	62.6
E37/1408	MHAU00234	364465	6802632	1.5	53	0.102	8.8	56.8	98.3	5.50	8	7	0.443	0.056	71.3
E37/1408	MHAU00237	364695	6802825	1.5	26.1	0.090	16.0	67.8	101	9.50	5	6	0.750	0.062	87.5
E37/1408	MHAU00238	364771	6802889	2	37.7	0.086	14.5	74.2	95.6	7.85	4	3	0.675	0.058	82.7
E37/1408	MHAU00239	364848	6802954	1.5	36.8	0.064	10.5	59.5	92.5	8.42	2	3	0.438	0.047	83.3
E37/1408	MHAU00240	364925	6803018	1.5	21.8	0.023	10.0	34.0	36.7	4.45	3	3	0.231	0.025	32.0
E37/1408	MHAU00241	365001	6803082	1.5	56.9	0.072	10.9	69.1	79.9	9.96	4	4	0.282	0.032	78.0

E37/1408	MHAU00242	365078	6803147	1.5	16.3	0.016	8.0	34.9	42.6	5.63	3	3	0.234	0.025	39.1
E37/1408	MHAU00244	365231	6803275	1.5	44.9	0.054	18.7	64.8	63.6	3.81	5	6	0.428	0.027	49.5
E37/1408	MHAU00245	365308	6803339	1.5	38.7	0.022	11.3	28.5	33.2	3.58	2	3	0.155	0.017	26.9
E37/1408	MHAU00246	365384	6803404	1.5	51.3	0.060	9.7	48.3	61.9	6.49	3	3	0.240	0.019	56.6
E37/1408	MHAU00247	365461	6803468	1.5	56.9	0.154	15.1	66.9	81.8	4.83	7	6	0.406	0.027	71.1
E37/1408	MHAU00248	365537	6803532	1.5	26.7	0.061	13.2	66.8	110	10.2	7	6	0.431	0.048	91.8
E37/1408	MHAU00249	365614	6803597	1.5	24.5	0.082	8.7	54.1	90.0	10.2	6	5	0.294	0.038	80.8
E37/1408	MHAU00250	365691	6803661	1.5	141.5	0.076	21.1	77.2	94.9	5.71	5	5	0.486	0.058	76.9
E37/1408	MHAU00252	365844	6803789	1.5	17.1	0.048	11.9	74.3	121	7.98	3	3	0.423	0.036	99.1
E37/1408	MHAU00254	362501	6800462	1.5	18.4	0.053	10.0	59.1	90.2	7.40	5	6	0.588	0.052	77.3
E37/1408	MHAU00255	362577	6800526	1.5	21.6	0.064	9.8	59.4	102	9.53	2	2	0.580	0.058	84.5
E37/1408	MHAU00256	362654	6800590	1.5	38.3	0.047	8.5	55.0	93.3	8.11	5	5	0.502	0.050	79.6
E37/1408	MHAU00258	362807	6800719	1.5	20.4	0.055	11.0	77.4	107	7.32	4	4	0.544	0.045	86.3
E37/1408	MHAU00259	362884	6800783	1.5	34.8	0.062	10.6	66.9	106	9.01	2	1	0.629	0.049	89.7
E37/1408	MHAU00261	363037	6800912	2	23.2	0.050	7.6	53.5	106	8.58	2	2	0.404	0.048	77.9
E37/1408	MHAU00262	363113	6800976	1.5	41.5	0.048	8.9	54.1	85.1	7.75	7	5	0.368	0.044	77.3
E37/1408	MHAU00264	363267	6801105	1.5	35.8	0.060	9.7	51.7	91.0	8.54	5	4	0.324	0.042	82.5
E37/1408	MHAU00266	363420	6801233	1.5	35.1	0.047	7.5	53.0	86.8	7.87	2	1	0.308	0.036	74.0
E37/1408	MHAU00269	363879	6801619	1.5	17.4	0.054	7.4	56.6	125	7.92	7	7	0.341	0.036	74.5
E37/1408	MHAU00272	364109	6801812	1.5	19.5	0.096	13.7	66.0	96.1	7.19	5	6	0.967	0.055	79.5
E37/1408	MHAU00274	364262	6801940	1.5	47.8	0.068	11.8	59.1	77.0	5.56	7	4	0.402	0.032	70.5
E37/1408	MHAU00275	364339	6802005	1.5	25.9	0.066	9.7	61.4	114	5.98	6	4	0.502	0.043	71.4
E37/1408	MHAU00278	364569	6802197	1.5	36.4	0.064	9.8	63.6	103	6.27	4	3	0.546	0.050	73.3
E37/1408	MHAU00279	364645	6802262	1.5	28.9	0.068	8.4	52.8	96.8	5.89	1	2	0.370	0.047	65.8
E37/1408	MHAU00280	364722	6802326	1.5	16.7	0.117	10.6	75.6	85.3	5.01	4	4	0.424	0.033	80.8
E37/1408	MHAU00281	364799	6802390	1.5	78.9	0.133	9.7	61.4	72.5	4.70	5	5	0.329	0.035	63.1
E37/1408	MHAU00282	364875	6802454	1.5	19.6	0.036	8.0	25.7	28.6	2.64	2	2	0.262	0.024	27.2
E37/1408	MHAU00283	362758	6800155	1.5	23.2	0.166	11.7	58.6	73.5	4.79	5	6	0.514	0.043	68.4
E37/1408	MHAU00285	362911	6800284	1.5	25	0.083	7.2	55.4	117	5.27	5	4	0.396	0.041	71.0
E37/1408	MHAU00286	362987	6800348	1.5	25.8	0.096	12.6	72.5	99.5	5.85	5	7	0.507	0.052	84.9

E37/1408	MHAU00312	364979	6802019	1.3	17.5	0.021	8.7	41.2	52.5	6.82	2	2	0.301	0.038	61.6
E37/1408	MHAU00319	363398	6800170	1.5	16.1	0.129	8.6	64.0	108	7.80	6	5	0.382	0.053	97.5
E37/1408	MHAU00324	363781	6800492	1.5	15.1	0.147	8.4	65.5	108	6.79	2	2	0.342	0.049	95.6
E37/1408	MHAU00327	364011	6800685	2	15.5	0.118	9.0	66.1	123	6.95	3	4	0.404	0.052	88.7
E37/1408	MHAU00332	364394	6801006	1.5	17.9	0.130	11.2	69.0	105	8.43	4	4	0.469	0.062	98.9
E37/1408	MHAU00333	364470	6801070	2	70.3	0.081	7.4	54.7	85.8	5.40	4	3	0.314	0.041	76.5
E37/1408	MHAU00336	364700	6801263	2	29.5	0.089	7.2	52.4	82.6	6.07	7	6	0.303	0.049	73.7
E37/1408	MHAU00340	365006	6801520	2	19	0.037	8.9	32.8	61.4	3.49	2	2	0.235	0.039	50.1
E37/1408	MHAU00342	365160	6801649	1.5	23.1	0.036	10.7	39.0	54.7	3.57	4	4	0.267	0.036	50.3
E37/1408	MHAU00345	365389	6801842	2	20.9	0.028	8.3	24.8	29.0	2.65	5	4	0.233	0.034	27.3
E37/1408	MHAU00346	365466	6801906	1.5	26.4	0.026	8.1	34.4	47.8	3.81	5	5	0.178	0.027	44.3
E37/1408	MHAU00347	365543	6801970	1.5	51	0.045	9.3	32.2	46.1	3.29	3	2	0.219	0.029	42.7
E37/1408	MHAU00348	365619	6802034	1.5	62.8	0.025	7.9	27.7	37.1	3.62	3	3	0.193	0.034	34.7
E37/1408	MHAU00349	365696	6802099	1.5	81	0.103	9.4	54.9	78.7	7.35	4	5	0.300	0.046	81.7
E37/1408	MHAU00350	365773	6802163	1.5	76.7	0.081	9.2	51.1	78.5	6.90	3	2	0.296	0.046	66.3
E37/1408	MHAU00351	365849	6802227	1.5	48.1	0.041	10.8	35.3	44.6	3.05	5	5	0.271	0.027	35.2
E37/1408	MHAU00352	365926	6802292	2	45.4	0.062	12.3	56.4	66.0	4.13	2	2	0.236	0.031	58.3
E37/1408	MHAU00353	366002	6802356	2	56.8	0.027	10.9	43.5	53.3	3.81	3	3	0.247	0.032	45.2
E37/1408	MHAU00354	366079	6802420	1.5	34.6	0.023	8.4	28.8	31.7	2.66	6	6	0.186	0.023	27.4
E37/1408	MHAU00355	366156	6802484	1.5	69.6	0.034	10.5	36.0	46.2	4.54	2	3	0.345	0.049	34.3
E37/1408	MHAU00356	366232	6802549	1.5	28.7	0.043	12.1	37.3	38.3	2.68	5	4	0.285	0.039	33.6
E37/1408	MHAU00357	366309	6802613	1.5	39.6	0.040	12.6	33.5	38.0	2.74	2	3	0.261	0.028	30.9
E37/1408	MHAU00358	366385	6802677	2	28.9	0.068	10.7	40.6	45.3	3.52	3	3	0.284	0.032	37.5
E37/1408	MHAU00359	366462	6802742	2	26.8	0.055	9.2	28.1	28.4	2.12	1	1	0.239	0.024	26.4
E37/1408	MHAU00360	366539	6802806	1.5	55.7	0.123	14.8	68.3	128	5.25	5	5	0.384	0.049	87.4
E37/1408	MHAU00361	366615	6802870	1.5	16.9	0.368	43.1	84.2	129	5.49	4	4	0.568	0.069	108
E37/1408	MHAU00362	366692	6802934	2	20.9	0.406	18.1	74.3	149	7.85	7	5	0.580	0.066	88.9
E37/1408	MHAU00363	366768	6802999	2	54.7	0.111	9.8	66.1	108	10.6	3	2	0.414	0.040	74.6
E37/1408	MHAU00364	367228	6803384	1.5	24.8	0.038	8.0	66.3	65.7	5.24	8	9	0.329	0.019	31.7
E37/1408	MHAU00365	367305	6803449	1.5	21.2	0.045	7.7	58.9	74.7	12.5	7	5	0.370	0.037	74.1

E37/1408	MHAU00372	367841	6803899	1.5	19.6	0.060	5.6	90.0	37.1	6.79	4	3	0.163	0.009	38.7
E37/1408	MHAU00375	368071	6804091	1.5	91.9	0.059	5.2	112	62.7	2.98	13	12	0.150	0.026	63.0
E37/1408	MHAU00417	364372	6799943	1.5	65.2	0.089	7.0	50.9	144	13.0	3	3	0.260	0.046	93.1
E37/1408	MHAU00418	364448	6800007	1.5	16.3	0.152	7.5	52.5	128	14.3	3	4	0.286	0.051	90.7
E37/1408	MHAU00422	364755	6800265	1.5	16.3	0.088	5.9	48.5	146	12.6	2	2	0.238	0.038	79.4
E37/1408	MHAU00441	368084	6802631	1	17.3	0.078	9.4	56.0	88.7	12.3	3	3	0.451	0.043	80.3
E37/1408	MHAU00444	368314	6802824	1.5	25.4	0.068	10.3	54.4	71.8	16.0	6	6	0.752	0.061	63.0
E37/1408	MHAU00450	368773	6803210	1.5	35.6	0.081	16.8	396	106	53.9	3	2	5.03	0.244	80.7
E37/1408	MHAU00453	369003	6803403	1	26.5	0.036	11.2	52.8	55.1	10.3	4	4	0.952	0.037	50.6
E37/1408	MHAU00477	365625	6800472	1.5	15.1	0.059	6.0	40.1	83.1	11.3	2	1	0.204	0.039	68.1
E37/1408	MHAU00510	365882	6800166	1.5	18.4	0.069	7.7	56.4	136	14.4	4	3	0.304	0.070	94.4
E37/1408	MHAU00516	366341	6800552	1.5	20.2	0.071	7.9	57.5	146	14.7	4	3	0.305	0.049	97.8
E37/1408	MHAU00544	366139	6799860	1.5	15	0.038	7.7	57.8	161	13.1	4	4	0.271	0.056	88.3