

28th September 2021

ASSAYS CONFIRM HIGH GRADE NICKEL SULPHIDE DISCOVERY AT BEREHAVEN

- Massive sulphides in RC hole BVNC002 assay 5.89% Nickel
- Strong Ni-Cu-PGE geochemistry in an adjacent broad zone of weathered gossanous material indicates additional mineralisation likely in fresh rock
- Downhole electromagnetic (DHEM) surveys have identified a conductive target at depth beneath the RC drill holes
- Potential for a significant komatiite-hosted nickel sulphide system at Berehaven is confirmed
- Diamond rig secured to commence drilling in October

Metal Hawk Limited (**ASX: MHK**, "Metal Hawk" or "The Company") is pleased to announce initial assay results from reverse circulation (RC) drilling at the Commodore nickel prospect, located within the Company's Berehaven Nickel Project, situated 20 kilometres east of Kalgoorlie. This greenfields discovery was first reported by Metal Hawk on 14th September 2021 (Massive Nickel Sulphide Discovery at Berehaven Nickel Project).

Managing Director Will Belbin said: "We are very pleased to confirm the intersection of highgrade massive nickel sulphides from our first RC drilling program at Berehaven. We believe that the mineralised sulphide zone at Commodore may represent part of a significant untested komatiite system. This is an outstanding result at such an early stage and certainly validates our geological model and exploration targeting. The Berehaven Project is incredibly underexplored for nickel sulphides and we have several kilometres of prospective stratigraphy along strike from Commodore."

Three RC holes were drilled for a total of 485m at the Commodore nickel prospect, located five kilometres north of the Blair Nickel Mine (which produced 1.26Mt @ 2.62% Ni for 32,900 tonnes of contained nickel).

Expedited assay results have been received for the lower section of the discovery hole **BVNC002** which intersected **5.89% Ni from 144m to 145m** at the interpreted basal contact with footwall felsic rocks, directly beneath 12m of intensely weathered gossanous ultramafic rocks.



Geochemistry from this highly weathered zone indicates that there could be more nickel sulphides located at depth, with assays returning 9m @ 0.31% Ni, 185ppm Cu, 18ppb Pt and 34ppb Pd from 135m to 144m (See Table 2 for full results).

Assay results are pending for BVNC001, BVNC003 and the remainder of BVNC002.

Although no significant sulphide mineralisation was identified in holes BVNC001 and BVNC003, the targeted ultramafic horizon was intersected at depths ranging from approximately 90m to 114m down hole. The ultramafic rocks intersected were extremely weathered and ferruginous and the underlying fresh rock will now be tested with deeper drilling and DHEM.



Figure 1. BVNC002 samples- nickel sulphide mineralisation highlighted



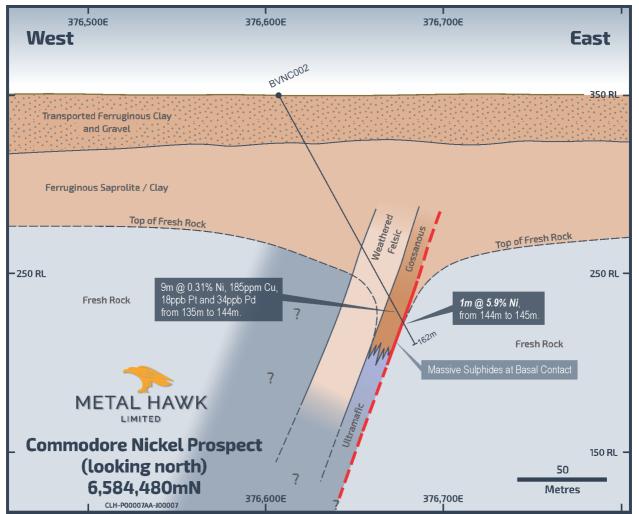


Figure 2. Commodore cross-section BVNC002

DOWNHOLE ELECTROMAGNETICS

Due to the deep weathering and transitional nature of the massive sulphides and minerals present (predominantly violarite, FeNi₂S₄ and pyrite, FeS₂) only a weakly conductive response has been detected from electromagnetic (EM) surveys to date. However a poorly constrained conductive response is evident from downhole electromagnetic (DHEM) surveys in all three RC holes drilled at Commodore and a preliminary plate model **(CMA_01)** is shown in Figure3.

Further investigation of surface moving loop electromagnetic (MLTEM) surveys carried out in July 2020 shows an electromagnetic peak in Bz channel directly beneath the zone of massive sulphide intersected in BVNC002. This response matches the late-time Bu response observed in the DHEM and indicates a conductive source at a depth approximately 120m below the extent of Metal Hawk's RC drilling.



Diamond drilling is planned to test the target conductive plate CMA_01 and DHEM will be carried out from this deeper drilling to better define and constrain the conductor.

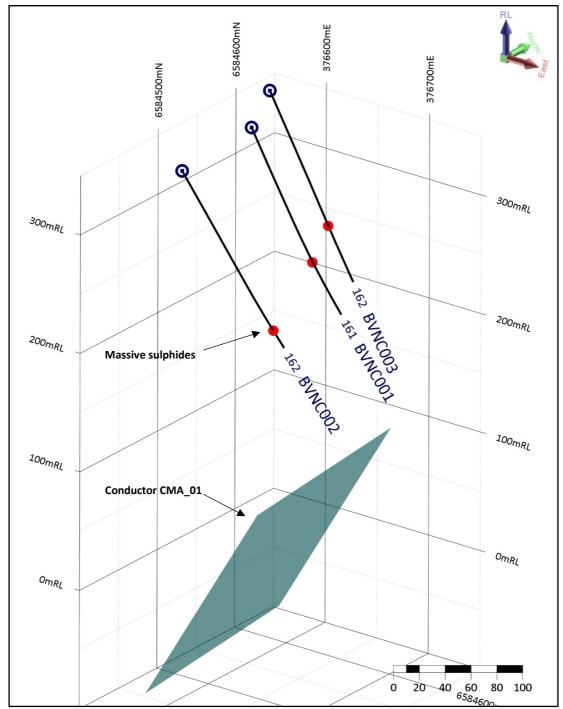


Figure 3. Location of RC drillholes with modelled conductive plate **CMA_01.** Red dots mark the location of the ultramafic basal contact.



NEXT STEPS

Diamond and additional RC drilling is due to commence in mid-October. Deeper drilling will test the extent of nickel sulphide mineralisation at Commodore and will also further investigate the conductive source detected in DHEM and MLTEM surveys.

All available geophysical data and geochemistry will be reviewed to assist in evaluating and prioritising work programs on the broader Berehaven project area.

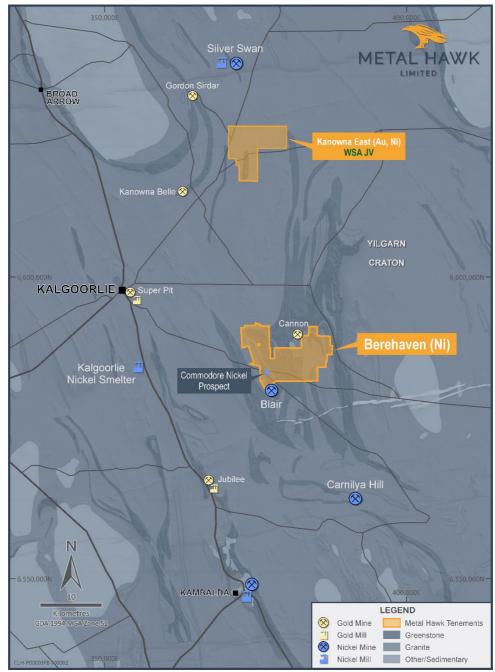


Figure 4. Berehaven Nickel Project location



This announcement has been authorised for release by Mr Will Belbin, Managing Director, on behalf of the Board of Metal Hawk Limited.

For further information regarding Metal Hawk Limited please visit our website at <u>www.metalhawk.com.au</u> or contact:

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Hole ID	Hole Type	Grid	East	North	RL	Dip	Azimuth	Depth
BVNC001	RC	MGA51GDA94	376599	6584555	350	-60	90	161
BVNC002	RC	MGA51GDA94	376607	6584455	350	-60	70	162
BVNC003	RC	MGA51GDA94	376567	6584621	350	-60	90	162

Table 1. Drillhole Collar Locations

Notes to Table 1:

- Grid coordinates GDA94: zone51, collar positions determined by handheld GPS.
- All holes nominal RL 350 +/-1m AHD.
- Hole azimuths planned at 090 and 070 degrees, but slight downhole deviation may result in hole paths slightly different to those intended.

	Depth	(m)					Grade			
Hole ID	from	to	Interval	Ni(%) Cu(ppm)		Pt(ppb)	Pd(ppb)	Au(ppb)	Co(ppm)	As(ppm)
BVNC002	0	95			Assays pending					
BVNC002	95	100	5	0.03	139	1.4	Х	2	69	20
BVNC002	100	105	5	0.02	122	1.4	0.5	5	63	Х
BVNC002	105	110	5	0.02	137	1.4	0.5	2	68	Х
BVNC002	110	115	5	0.03	167	1.3	0.6	2	70	Х
BVNC002	115	120	5	0.12	163	1.8	0.8	Х	80	41
BVNC002	120	125	5	0.02	109	1.3	Х	1	47	Х
BVNC002	125	130	5	0.02	95	1.2	0.6	5	53	84
BVNC002	130	135	5	0.19	93	9.5	13.2	42	54	1640
BVNC002	135	136	1	0.50	189	27.3	38.5	8	113	3215
BVNC002	136	137	1	0.38	228	26.3	45.2	33	91	2738
BVNC002	137	138	1	0.34	220	24.4	42.1	23	84	2387
BVNC002	138	139	1	0.07	130	3.8	4.8	5	52	303
BVNC002	139	140	1	0.16	167	6.1	10.9	4	77	570
BVNC002	140	141	1	0.29	228	28.1	66.4	6	144	708
BVNC002	141	142	1	0.33	151	19.5	41.9	5	334	147
BVNC002	142	143	1	0.41	159	15.3	34.1	7	392	1356
BVNC002	143	144	1	0.31	192	11.1	24.1	8	238	1493
BVNC002	144	145	1	5.89	1495	159.9	37.8	45	1067	265

Table 2. BVNC002 Assay Results



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BVNC002	145	146	1	0.78	748	20.8	6.5	6	258	55
BVNC002	146	147	1	0.06	98	2.2	1.8	2	72	35
BVNC002	147	148	1	0.07	90	2.6	2.5	2	75	60
BVNC002	148	149	1	0.10	202	3.4	3.8	3	97	98
BVNC002	149	150	1	0.05	93	2.5	2	2	50	56
BVNC002	150	155	5	0.08	98	4	2.2	3	50	50
BVNC002	155	159	4	0.01	47	1.9	1.2	Х	24	23
BVNC002	159	162	3	0.02	58	2.1	1.5	3	30	36

Notes to Table 2:

- Assay results are pending for holes BVNC001, BVNC003 and part of BVNC002.
- RC drilling by reverse circulation face sampling hammer, then 1m samples cone split and bagged.
- Assay values below level of detection marked as X.
- Composite samples (2m to 5m) scooped from sample piles.

Tenure

The Berehaven Nickel Project comprises:

- Five exploration tenements and two tenement applications (Clinker Hill) that are 100% owned by Metal Hawk (see Metal Hawk's Prospectus dated 29 September 2020)
- Three granted exploration tenements (Blair North) over which Metal Hawk has an option to acquire a 100% interest from Berehaven Holdings Pty Ltd (see Metal Hawk's Prospectus dated 29 September 2020)
- Twelve exploration tenements where Metal Hawk has secured an option to acquire a 100% interest in the nickel rights (see ASX release 29 July 2021)
- One exploration tenement in which Metal Hawk has acquired a 100% interest that remains subject to transfer (see ASX release 31 August 2021)

Competent Person statement

The information in this announcement that relates to Exploration Targets and Exploration Results is based on information compiled and reviewed by Mr William Belbin, a "Competent Person" who is a Member of the Australian Institute Geoscientists (AIG) and is Managing Director at Metal Hawk Limited. Mr Belbin is a full-time employee of the Company and hold shares and options in the Company. Mr Belbin has sufficient experience relevant to the style of mineralisation and type of deposit under consideration and to the activity which he has undertaken to qualify as a Competent Person as defined in the 2012 Edition of the 'Australasian Code for the Reporting of Exploration Results, Mineral Resources and Ore Reserves'. Mr Belbin consents to the inclusion in the report of the matters based on his information in the form and context in which it appears.

Forward-Looking Statements

This document may include forward-looking statements. Forward-looking statements include, but are not limited to, statements concerning Metal Hawk Limited's planned exploration program(s) and other statements that are not historical facts. When used in this document, the words such as "could," "plan," "estimate," "expect," "intend," "may", "potential," "should," and similar expressions are forward looking statements.



2012 JORC Table 1

SECTION 1: SAMPLING TECHNIQUES AND DATA

	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. 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 (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.	 A total of 3 RC holes (BVNC001 to BVNC003) were drilled for 485m Hole diameter was 5.5" (140mm) reverse circulation percussion (RC). Drill holes were generally angled -60 towards the east to intersect the interpreted geology as close to perpendicular as possible. Sampling was undertaken by collecting 1m cone split samples at selected intervals and 2-5m composite samples throughout the remainder of the drillhole. Samples were collected in calico bags for dispatch to the sample laboratory. Sample preparation was in 3-5kg pulverizing mills, followed by sample splitting to a 200g pulp which will then be analysed by Intertek Genalysis Perth using methods 4AE/OE (multi-acid digest) in Teflon tubes. Analysis by Inductively Coupled Plasma Optical (Atomic) Emission Spectrometry and for higher precision analyses (eg. Ni > 1%) method 4AH/OE, modified (for higher precision) multi-acid digest. Selected samples were also analysed for platinum group elements (Au, Pt, Pd) via 25g fire assay (Intertek method FA25/MS) with mass-spectrometer finish. Moving loop electromagnetic (MLEM) surveys were undertaken by Vortex Geophysics, an independent geophysical contractor.
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).	 Drilling technique was Reverse Circulation (RC) with hole diameter of 140mm face sampling hammer. Hole depths ranged from 161m to 162m.
Drill sample recovery	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.	 RC drill recoveries were visually estimated from volume of sample recovered. All sample recoveries within the mineralized zone were above 80% of expected. RC samples were visually checked for recovery, moisture and contamination and notes were made in the logs. There has been no recognisable relationship between recovery and grade, and therefore no sample bias.



No. 2 Contraction

Logging Sub-sampling techniques and sample preparation	 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. 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 sample dwet or dry. For all sample types, the nature, quality and appropriateness of the sample preparation technique. Quality control procedures adopted for all subsampling stages to maximise representivity of samples. 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. Whether sample sizes are appropriate to the grain size of the material being sampled. 	 Detailed geological logs have been carried out on all RC drill holes, but no geotechnical data have been recorded (or is possible to be recorded due to the nature of the sample). The geological data would be suitable for inclusion in a Mineral Resource estimate. Logging of RC drill chips recorded lithology, mineralogy, mineralisation, weathering, colour and other sample features. RC chips are stored in plastic RC chip trays. All holes were logged in full No core was drilled. RC samples were collected on the drill rig using a cone splitter. All of the mineralised samples were collected dry or moist as noted in the drill logs and database. The field sample preparation followed industry best practice. This involved collection of 1m samples from the cone splitter and transfer to calico bag for dispatch to the laboratory. Field QC procedures involve the use of alternating standards and blank samples (insertion rate of 1:20). No field duplicates were taken. The sample sizes were considered more than adequate to ensure that there are no particle size effects relating to the grain size of the mineralisation, which lies in the percentage range.
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, calibrations factors applied and their derivation, etc. 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.	 Samples were submitted to Intertek Genalysis and analysed via method 4A/OE04: Multi-acid digest including hydrofluoric, nitric, perchloric and hydrochloric acids in Teflon tubes. Analysed by Inductively Coupled Plasma Optical (Atomic) Emission Spectrometry. This is considered a total analysis, with all of the target minerals dissolved. An Olympus Vanta portable handheld xrf analyser was used only for a guide to logging, selection of single metre and composite sampling intervals, and confirmation of logged mineralisation. No pXRF values are reported. Field QC procedures involve the use of standards and blank samples (insertion rate 1:20). In addition, the laboratory runs routine check and duplicate analyses. The MLTEM and DHEM surveys were undertaken by Vortex Geophysics Pty Ltd, an independent geophysical contractor. DHEM Configuration Transmitter system (Tx) VTX-100 Base Frequency (Hz) 0.25 Hz



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Orientation of	Whether the orientation of sampling achieves		
data in	unbiased sampling of possible structures and	•	The holes have been designed to intersect the
relation to	the extent to which this is known, considering		interpreted geology as close to perpendicular as
geological	the deposit type.		possible, however there is insufficient data to
structure	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.		determine actual orientation of mineralisation at this stage
Sample security	The measures taken to ensure sample security.	•	The samples were delivered to the laboratory by the Company.
Audits or reviews	The results of any audits or reviews of sampling techniques and data.	•	No review of the sampling techniques has been carried out.

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.	 Licence E 26/210 is owned by Berehaven Holdings Pty Ltd. Metal Hawk Limited holds an Option to Purchase the tenement 100%. The tenement is in good standing.
	The security of the tenure held at the time of reporting along with any known impediments to obtaining a licence to operate in the area.	The project tenements are in good standing and no known impediments exist.
Exploration done by other parties	Acknowledgment and appraisal of exploration by other parties.	Historical gold exploration by other parties intersected anomalous and nickel and copper values in limited RAB drilling. No known significant nickel sulphide exploration has taken place at the Commodore prospect.
Geology	Deposit type, geological setting and style of mineralisation.	• The geological setting is of Archaean age with common host rocks related to komatiite-hosted nickel sulphide mineralisation as found throughout the Yilgarn Craton of Western Australia. The Archaean rocks are deeply weathered and locally are covered by 20m to 30m thick transported ferruginous clays and gravel.
Drill hole Information	 A summary of all information material to the understanding of the exploration results including a tabulation of the following information for all Material drill holes: easting and northing of the drill hole collar elevation or RL (Reduced Level – elevation above sea level in metres) of the drill hole collar dip and azimuth of the hole down hole length and interception depth hole length. 	Refer to Table 1 and the Notes attached thereto.



Data In reporting Exploration Results, weighting Cut-off grade of 1.0% Ni has been used with a averaging techniques, maximum and/or aggregation minimum width of 1m. minimum grade truncations (e.g. cutting of No internal dilution has been stated. methods high grades) and cut-off grades are usually No maximum or minimum grade truncations Material and should be stated. were applied. High grade intervals internal to broader Where aggregate intercepts incorporate short mineralised zones may be reported as included lengths of high grade results and longer zones - refer to drill intercept and detail tables. lengths of low grade results, the procedure No metal equivalent values have been stated. used for such aggregation should be stated Reported nickel mineralised intersections for the and some typical examples of such drilling are based on intercepts using a lower aggregations should be shown in detail. grade cut-off of 1.0% Ni. The assumptions used for any reporting of metal equivalent values should be clearly stated. Relationship These relationships are particularly important Not known at this stage. in the reporting of Exploration Results. between mineralisation If the geometry of the mineralisation with widths and respect to the drill hole angle is known, its intercept nature should be reported. lengths 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'). Diagrams Appropriate maps and sections (with scales) Refer to Figures in text. 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. Balanced Where comprehensive reporting of all believes the ASX The company that Exploration Results is not practicable, reporting announcement is a balanced report with all representative reporting of both low and high material results reported. grades and/or widths should be practiced to avoid misleading reporting of Exploration Results. Other exploration data, if meaningful and Everything meaningful and material is disclosed Other material, should be reported including (but not in the body of the report. Geological and substantive limited to): geological geophysical observations have been factored observations: exploration geophysical survey results; geochemical into the report. data survey results; bulk samples - size and method of treatment; metallurgical test results; bulk density, groundwater, geotechnical and rock characteristics; potential deleterious or contaminating substances. Further work The nature and scale of planned further work Further work will be planned following further (e.g. tests for lateral extensions or depth analysis of results and follow-up downhole extensions or large-scale step-out drilling). electromagnetics (DHEM). Detailed mineralogical work will also be carried Diagrams clearly highlighting the areas of out on drill samples. possible extensions, including the main geological interpretations and future drilling areas, provided this information is not commercially sensitive.

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