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Polar Bear gold, nickel

Canyon Creek molybdenum,
copper, gold

Youanmi nickel, copper, PGM's

Collurabie nickel, copper, PGM's


NOVA CONDUCTOR 5 UPDATE

Sirius Resources NL (**ASX:SIR**) ("**Sirius**" or the "**Company**") advises that the first drill hole testing conductor 5 at its Nova nickel-copper deposit has intersected mineralisation at the northern edge of the conductor.

Hole SFRD0118 intersected:

- 23.8 metres of disseminated to blebby sulphides from 325 metres, followed by;
- 0.35 metres of breccia sulphides from 348.8 metres, followed by;
- 0.95 metres of stringer sulphides from 349.15 metres.

This is the first intersection of breccia sulphides north of the main Nova deposit. It occurs at the base of a broader interval of disseminated sulphides that are also seen in SFRD0095 (*see Figure 1*) – and is deeper than predicted by the electromagnetic (EM) model.

At this stage it is not known if this represents a minor zone of breccia mineralisation peripheral to Nova, part of the Nova deposit offset across a fault, or part of a separate mineralised system.

The intersection of disseminated to blebby sulphides also appears to confirm the validity of the previously reported induced polarisation (IP) anomaly, which is interpreted to extend for 2 kilometres to the northeast towards conductor 3.

A follow up drill hole has commenced on conductor 5.



Mark Bennett, Managing Director and CEO

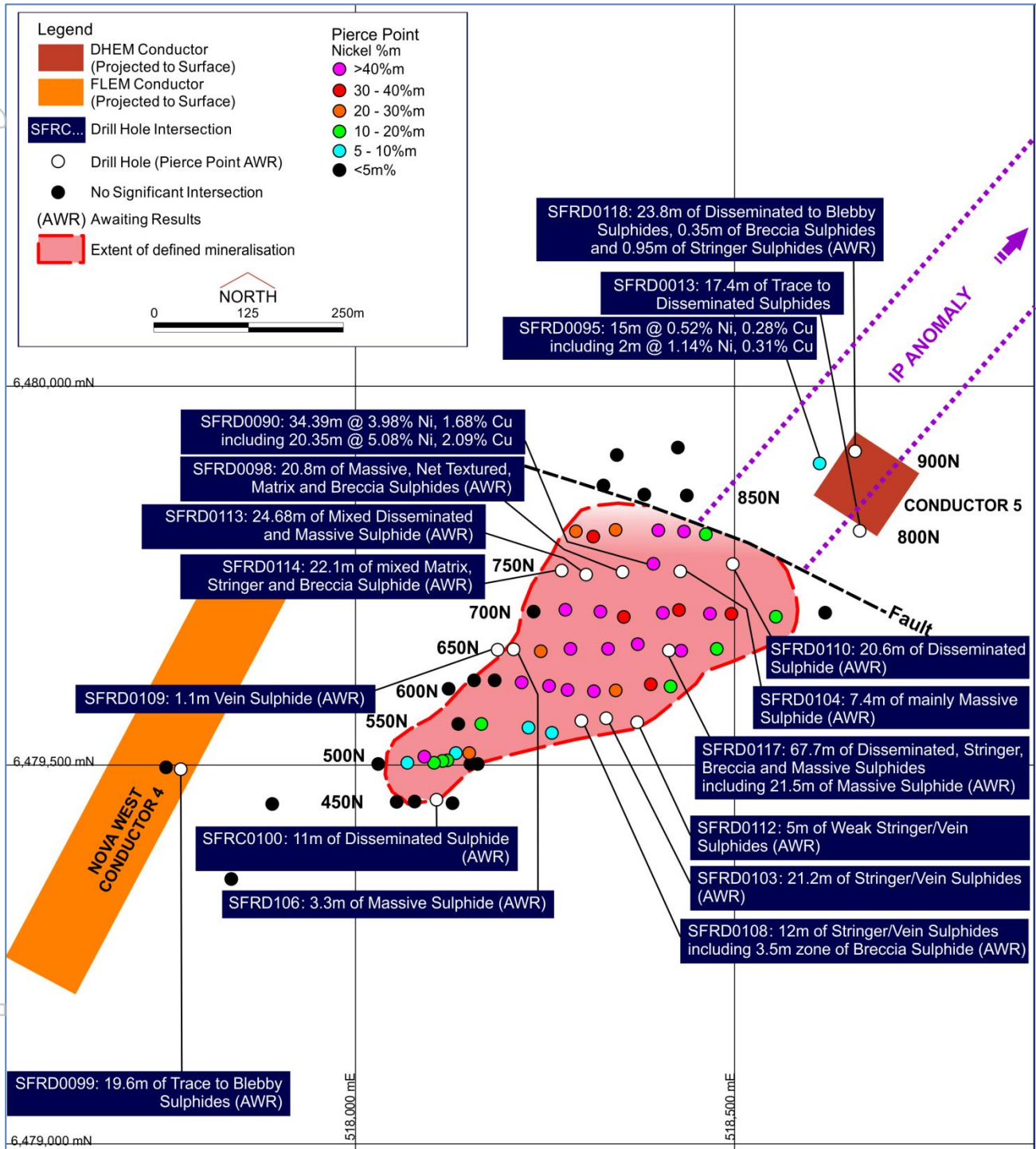


Figure 1. Plan projection of Nova, showing location of new drillhole at conductor 5. Assayed intercepts are shown as metal factor (ie, estimated true width x grade, commonly referred to as %metre, %m or metal factor). Visual intercepts (awaiting assays) are shown as descriptive labels. Refer to Table 1 and previous announcements for specific details of assayed intersections.

About the Nova nickel discovery

- The Nova deposit is a blind (ie concealed by transported sediments) virgin discovery which vindicates Sirius' exploration methodologies and corporate strategy of identifying high leverage greenfields opportunities in stable jurisdictions.

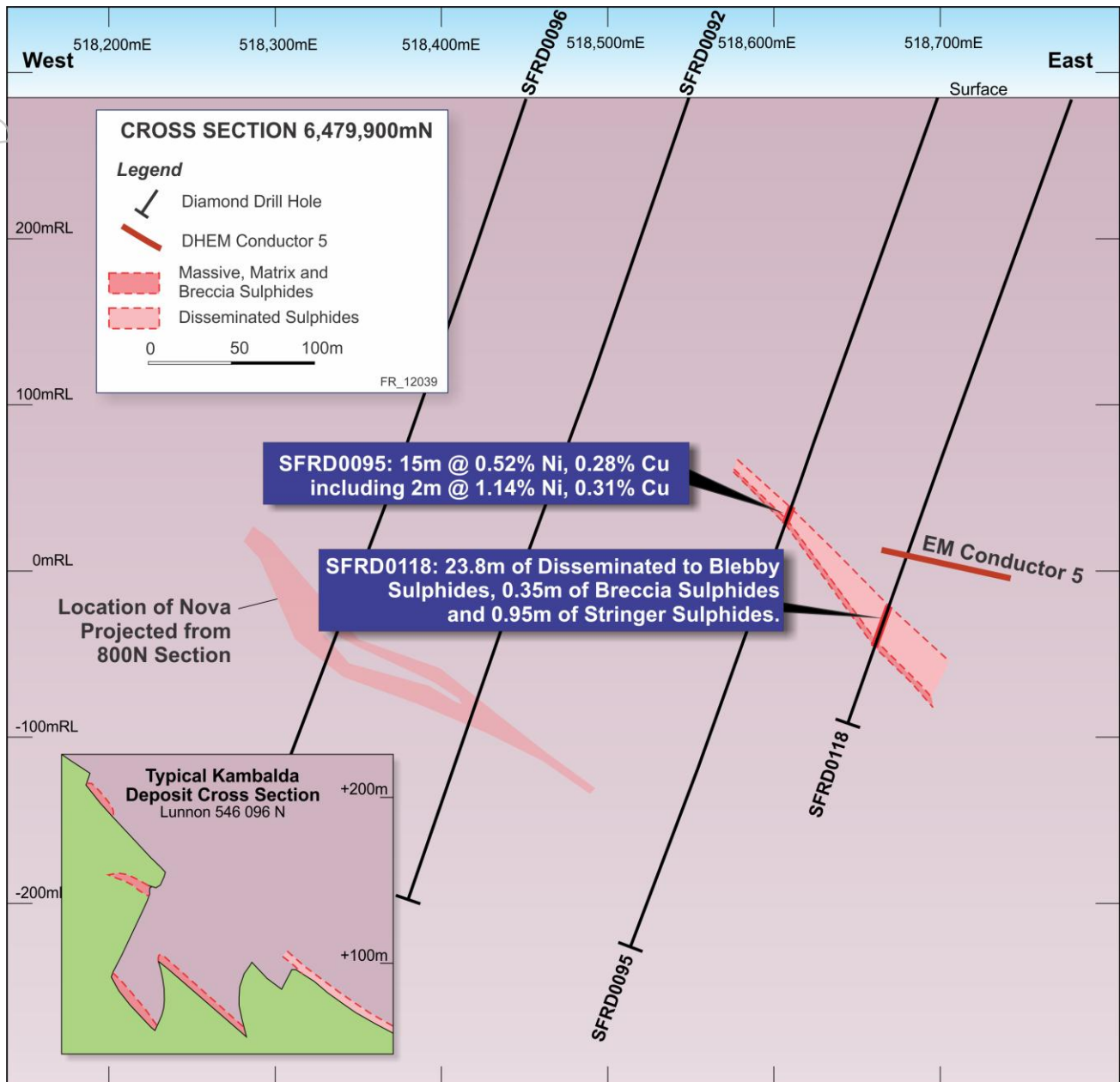


Figure 2. Cross section 900N, showing the location of mineralisation intersected in holes SFRD0095 and SFRD0118 relative to the modelled position of conductor 5 and relative to the projected position of the northern end of the Nova deposit.

- It was discovered by Sirius' target identification expertise and systematic use of geological, geophysical and geochemical exploration techniques.
- Drilling at conductor 1 has delineated a major nickel-copper sulphide deposit approximately 500 metres long, up to 400 metres across and up to 60 metres thick.
- The EM conductor that represents the Nova deposit is the first of four EM targets at the Eye nickel-copper prospect to be tested. The others have not yet been drilled but modelling by Newexco Geophysical Consultants indicates that these also possess response characteristics indicative of massive sulphides.

- The mineralisation comprises pyrrhotite, pentlandite and chalcopyrite within very strongly metamorphosed rocks termed granulites. The sulphide minerals are coarse grained and high tenor and will likely produce a clean high value concentrate and the accompanying silicate minerals are likely to be highly amenable to conventional separation techniques.
- The sulphides occur in a variety of styles typical of magmatic sulphide deposits. These include massive, matrix, net textured, breccia, blebby and disseminated sulphides.
- The host rock is a hypersthene-augite-garnet-hornblende-labradorite-quartz gneiss interpreted to represent a strongly metamorphosed mafic-ultramafic precursor of predominantly gabbroic composition.
- The deposit is only 40km north of the Eyre Highway and closer, via sealed road, to the port of Esperance than any operating nickel sulphide mine/concentrator in Western Australia.
- Planned metallurgical testwork will better quantify the mineralisation in terms of its crushing, grinding and flotation characteristics, the deportment of nickel and copper within the sulphides and the level (if any) of any deleterious or penalty elements in such a concentrate.

About the Fraser Range Joint Venture

The Fraser Range Joint Venture is a joint venture between Sirius Resources (70%) and companies of the Creasy Group (30%), owned by Mark Creasy who is also Sirius' major shareholder through his investment company, Yandal Holdings Pty Ltd.

The joint venture ground covers over 100 strike kilometres of the prospective belt and Sirius, together with various private companies owned by Mark Creasy, control the majority of this new nickel province. Sirius acknowledges the assistance provided by the WA Government co-funded drilling program, which sponsored a previous reconnaissance drill hole on the project area (see previous ASX announcements).

Hole No.	North	East	Dip	Azim	From, m	To, m	Width m	Grade, % Ni, Cu, Co & g/t Ag, Au, Pt, Pd
SFRC0024	6479500	518210	60	270	174	175	1	0.76% Ni, 1.36% Cu, 0.03% Co, 4.0g/t Ag
		And			178	181	3	0.31% Ni, 0.68% Cu, 0.01% Co, 1.4g/t Ag
		And			191	195	4	4.02% Ni, 1.41% Cu, 0.12% Co, 2.2g/t Ag
SFRC0025	6479500	518080	60	270	-	-	-	Missed target
SFRC0026	6479500	518140	60	270	123	136	13	4.30% Ni, 1.83% Cu, 0.12% Co, 3.1g/t Ag, 0.09g/t Pd, 0.08g/t Pt
		Including			128	136	8	5.81% Ni, 2.26% Cu, 0.16% Co, 3.7g/t Ag, 0.12g/t Pd, 0.12g/t Pt
SFRC0027	6479500	518250	60	270	229	238	9	1.48% Ni, 0.86% Cu, 0.05% Co, 2.5g/t Ag, 0.15g/t Au
		Including			229	232	3	1.45% Cu, 0.4% Ni, 4.9g/t Ag, 0.34g/t Au
		And			232	238	6	1.84% Ni, 0.57% Cu
		Including			236	237	1	4.70% Ni, 0.40% Cu, 0.12% Co
SFRC0028	6479450	518140	60	270	116	120	4	0.48% Ni, 0.38% Cu, 0.02% Co, 0.09g/t Ag
		And			156	164	8	0.25% Ni, 0.22% Cu, 1.5g/t Ag
SFRC0029	6479600	518300	60	270	234	236	2	0.96% Ni, 0.46% Cu, 1.3g/t Ag
SFRC0030	6479600	518250	60	270	188	196	8	0.41% Ni, 0.40% Cu, 0.02% Co, 1.78g/t Ag
SFRC0031	6479600	518200	60	270	-	-	-	Missed target
SFRC0032	6479500	518085	75	270	60	64	4	1.47% Ni, 0.17% Cu, 0.05% Co, 0.25g/t Ag
		and			80	82	2	2.11% Ni, 1.12% Cu, 0.07% Co, 4.25g/t Ag
SFRC0033	6479500	518155	75	270	165	171	6	3.16% Ni, 0.49% Cu, 0.10% Co, 1.12g/t Ag
SFRC0034	6479500	518230	60	270	200	204	4	0.22% Ni, 1.07% Cu, 0.01% Co, 2.8g/t Ag
		And			212	219	7	1.27% Ni, 0.35% Cu, 0.04% Co, 0.84g/t Ag
		Including			216	219	3	2.63% Ni, 0.45% Cu, 0.08% Co, 1.13g/t Ag
		And			220	224	4	0.18% Ni, 0.47% Cu, 1.1g/t Ag

SFRD0035	6479500	518155	70	270	146.70	152.90	6.20	1.68% Ni, 0.36% Cu, 0.05% Co, 0.3g/t Ag
Including					149.20	152.90	2.90	2.52% Ni, 0.44% Cu, 0.08% Co, 0.5g/t Ag
SFRD0036	6479800	518500	90	n/a	n/a	n/a	n/a	Abandoned
SFRD0037	6479600	518300	60	270	263.90	268.40	4.50	0.23% Ni, 1.16% Cu, 0.01% Co, 3.9g/t Ag, 0.1g/t Pt
and					268.40	281.70	13.30	3.9% Ni, 2.0% Cu, 0.12% Co, 3.7g/t Ag
Including					271.85	279.00	7.15	5.1% Ni, 2.36% Cu, 0.15% Co, 4.0g/t Ag
SFRD0037	6479600	518300	60	270	263.90	268.40	4.50	0.23% Ni, 1.16% Cu, 0.01% Co, 3.9g/t Ag
SFRD0038	6479500	518300	70	270	285.4	286.1	0.7	2.85% Ni, 0.33% Cu, 0.08% Co
SFRD0039	6479600	518350	69	270	270.0	271.0	1.0	1.71% Ni, 0.51% Cu, 0.06% Co, 0.8g/t Ag
And					272.97	273.24	0.27	6.58% Ni, 0.98% Cu, 0.21% Co, 1.6g/t Ag
And					298.1	313.52	15.42	2.74% Ni, 1.09% Cu, 0.09% Co, 2.54g/t Ag
Including					298.1	301.7	3.6	4.83% Ni, 1.73% Cu, 0.15% Co, 3.98g/t Ag
And					311.3	313.5	2.22	5.92% Ni, 0.82% Cu, 0.19% Co, 1.85g/t Ag
SFRD0041	6479600	518350	76	270	293.4	329.0	35.6	3.47% Ni, 1.44% Cu, 0.10% Co, 3.19g/t Ag
Including					293.4	308.9	15.5	4.72% Ni, 1.98% Cu, 0.15% Co, 4.7g/t Ag
Including					302.17	308.9	6.73	6.11% Ni, 2.14% Cu, 0.19% Co, 4.95g/t Ag
And					321.66	326.68	5.02	6.11% Ni, 2.57% Cu, 0.19% Co, 5.64g/t Ag
Also					341.0	344.0	3.0	1.86% Ni, 1.26% Cu, 0.05% Co, 4.61g/t Ag
And					349.6	350.5	0.9	6.15% Ni, 1.25% Cu, 0.19% Co, 2.5g/t Ag
SFRD0042	6479700	518400	60	270	361.3	384.0	22.7	0.91% Ni, 0.73% Cu, 0.02% Co, 6.55g/t Ag, 0.1g/t Au
and					392.72	413.65	20.93	1.56% Ni, 0.65% Cu, 0.05% Co, 1.85g/t Ag
SFRD0043	6479600	518400	74	270	314.4	319.8	5.4	4.72% Ni, 2.01% Cu, 0.14% Co, 3.98g/t Ag
and					330.74	344.57	13.83	3.11% Ni, 0.97% Cu, 0.10% Co, 2.6g/t Ag, 0.12g/t Pt
including					338.73	344.57	5.84	5.11% Ni, 1.4% Cu, 0.16% Co, 3.46g/t Ag, 0.26g/t Pt
SFRD0044	6479600	518400	80	270	327.8	332.38	4.58	2.33% Ni, 0.67% Cu, 0.07% Co, 1.3g/t Ag
and					348.05	349.91	1.86	1.17% Ni, 0.99% Cu, 0.04% Co
and					356.0	363.21	7.21	2.2% Ni, 1.27% Cu, 0.07% Co, 3.8g/t Ag, 0.1g/t Au
SFRD0045	6479550	518350	60	270	248.95	250.75	1.80	1.21% Ni, 0.49% Cu, 0.04% Co, 0.45g/t Ag
and					255.11	257.19	2.08	1.93% Ni, 0.35% Cu, 0.07% Co, 0.28g/t Ag
SFRD0046 W1	6479700	518500	67	270	363.75	384.0	20.25	1.94% Ni, 0.53% Cu, 0.06% Co, 1.67g/t Ag
including					364.82	367.43	2.61	7.45% Ni, 0.98% Cu, 0.25% Co, 1.94g/t Ag, 0.1g/t Pd
and					402.75	405.02	2.27	5.18% Ni, 1.63% Cu, 0.16% Co, 3.81g/t Ag
SFRD0047	6479550	518350	70	270	265.37	272.67	7.3	0.64% Ni, 0.36% Cu, 0.02% Co
and					296.1	300.91	4.81	1.09% Ni, 0.41% Cu, 0.03% Co
SFRD0049	6479600	518550	60	270	405.74	426.0	20.26	1.57% Ni, 0.51% Cu, 0.05% Co, 1.66g/t Ag
SFRD0050	6479600	518560	70	270	362.94	363.95	1.01	4.92% Ni, 1.06% Cu, 0.16% Co
and					398.0	404.8	6.8	0.79% Ni, 0.5% Cu, 0.03% Co
and					412.85	419.07	6.22	1.77% Ni, 0.41% Cu, 0.06% Co
SFRD0051	6479550	518200	82	270	206.0	209.0	3.0	1.25% Ni, 0.15% Cu, 0.03% Co
and					218.0	223.8	5.8	2.05% Ni, 0.79% Cu, 0.06% Co
including					221.0	223.8	2.8	3.06% Ni, 0.91% Cu, 0.09% Co
SFRD0052	6479550	518200	60	270	159.0	164.0	5.0	0.57% Ni, 2.36% Cu, 0.03% Co, 10.01g/t Ag, 0.15g/t Au
Including					159.0	161.0	2.0	0.43% Ni, 4.68% Cu, 0.03% Co, 19.21g/t Ag, 0.21g/t Au
SFRD0053	6479700	518500	60	270	376.0	383.3	7.3	2.2% Ni, 0.6% Cu, 0.07% Co
and					393.0	410.0	17.0	3.68% Ni, 3.82% Cu, 0.12% Co
including					398.9	410.0	11.1	4.31% Ni, 5.03% Cu, 0.14% Co
SFRD0054	6479600	518500	79	270	392.44	405.07	12.63	2.57% Ni, 1.85% Cu, 0.08% Co
SFRD0055	6479650	518400	70	270	310.5	312.07	1.57	1.99% Ni, 0.57% Cu, 0.07% Co
and					331.06	366.28	35.22	3.09% Ni, 1.06% Cu, 0.10% Co
including					354.75	366.28	11.53	5.42% Ni, 1.83% Cu, 0.17% Co
SFRD0056	6479650	518400	60	270	276.24	277.44	1.2	0.86% Ni, 3.11% Cu, 0.04% Co
and					282.77	292.8	10.03	0.85% Ni, 0.49% Cu, 0.03% Co
and					301.0	304.0	3.0	0.26% Ni, 1.18% Cu, 0.02% Co
and					309.0	326.72	17.72	1.58% Ni, 0.72% Cu, 0.05% Co
including					321.1	326.72	5.62	3.48% Ni, 1.12% Cu, 0.11% Co
SFRD0057	6479700	518600	70	270	393.01	431.91	38.9	3.23% Ni, 1.46% Cu, 0.10% Co
including					407.05	423.49	16.44	5.23% Ni, 2.19% Cu, 0.16% Co
including					413.38	423.49	10.11	6.0% Ni, 2.75% Cu, 0.19% Co
SFRD0058	6479700	518350	77	270	298.0	345.2	47.2	1.86% Ni, 0.57% Cu, 0.06% Co
including					309.2	345.2	36.0	2.23% Ni, 0.65% Cu, 0.08% Co
including					309.2	312.25	3.05	6.1% Ni, 1.31% Cu, 0.19% Co
SFRD0059	6479800	518600	71	270	416.48	422.22	5.74	3.3% Ni, 0.8% Cu, 0.1% Co
SFRD0060	6479650	518520	60	270	368.0	376.0	8.0	0.89% Ni, 0.46% Cu, 0.03% Co
and					395.0	410.45	15.45	4.61% Ni, 2.19% Cu, 0.15% Co

including					396.25	405.1	8.85	6.29% Ni, 3.08% Cu, 0.21% Co
and					417.0	423.0	6.0	2.02% Ni, 1.01% Cu, 0.06% Co
SFRD0061	6479650	518520	67	270	361.82	423.5	61.68	3.4% Ni, 1.27% Cu, 0.10% Co
including					361.82	364.21	2.39	6.56% Ni, 1.5% Cu, 0.19% Co
and					384.08	406.93	22.85	5.83% Ni, 2.03% Cu, 0.17% Co
SFRD0065	6479800	518600	65	270	404.0	422.05	18.05	4.11% Ni, 1.74% Cu, 0.13% Co
including					410.3	419.4	9.1	6.2% Ni, 2.67% Cu, 0.20% Co
SFRD0066	6479700	518600	75	270	412.02	420.47	8.45	4.19% Ni, 1.6% Cu, 0.12% Co
SFRD0070	6479800	518600	60	270	379.82	384.63	4.81	0.93% Ni, 0.33% Cu, 0.02% Co
and					394.92	423.00	28.08	4.48% Ni, 1.77% Cu, 0.14% Co
including					399.29	405.5	6.21	5.93% Ni, 2.55% Cu, 0.18% Co
and					412.4	423.0	10.6	6.5% Ni, 2.48% Cu, 0.20% Co
SFRD0076	6479700	518600	82	270	346.0	349.6	3.6	4.43% Ni, 1.42% Cu, 0.16% Co
and					362.5	365.0	2.5	1.04% Ni, 0.4% Cu, 0.04% Co
SFRD0077	6479650	518520	75	270	349.0	412.6	63.6	3.41% Ni, 1.3% Cu, 0.11% Co
including					363.0	378.23	15.23	7.01% Ni, 2.36% Cu, 0.22% Co
SFRD0078	6479800	518500	66	270	343.0	346.0	3.0	0.95% Ni, 0.12% Cu, 0.03% Co
and					358.0	363.0	5.0	0.96% Ni, 0.24% Cu, 0.03% Co
and					377.3	383.3	6.0	4.63% Ni, 0.84% Cu, 0.15% Co
SFRD0079	6479700	518740	71	270	380.0	381.6	1.6	0.85% Ni, 0.34% Cu, 0.02% Co
SFRD0086	6479650	518250	84	270	395.95	400.0	4.05	1.09% Ni, 0.42% Cu, 0.04% Co
and					405.0	412.5	7.5	0.71% Ni, 0.52% Cu, 0.03% Co
and					416.35	421.0	4.65	2.32% Ni, 0.86% Cu, 0.07% Co
SFRD0087	6479800	518500	60	270	327.0	330.0	3.0	0.88% Ni, 0.42% Cu, 0.02% Co
and					353.0	375.65	22.65	1.58% Ni, 0.59% Cu, 0.05% Co
including					363.0	375.65	12.65	2.26% Ni, 0.79% Cu, 0.07% Co
including					373.0	375.65	2.65	5.47% Ni, 0.96% Cu, 0.16% Co
SFRD0090	6479750	518540	68	270	376.11	409.91	33.8	4.03% Ni, 1.69% Cu, 0.13% Co
Including					388.96	401.96	13.0	5.43% Ni, 2.25% Cu, 0.18% Co
SFRD0093	6479800	518450	60	270	307.0	323.6	16.6	1.31% Ni, 0.54% Cu, 0.04% Co
Including					321.4	323.6	2.2	4.02% Ni, 1.18% Cu, 0.12% Co
And					330.65	331.0	0.35	0.73% Ni, 10.9% Cu, 0.05% Co
SFRD0094	6479700	518350	66	270	244.9	248.0	3.1	1.32% Ni, 0.23% Cu, 0.05% Co
And					289.3	289.8	0.5	6.53% Ni, 1.14% Cu, 0.19% Co
And					294.0	295.4	1.4	0.67% Ni, 1.6% Cu, 0.03% Co
SFRD0095	6479900	518700	60	270	270.0	285.0	15.0	0.52% Ni, 0.28% Cu, 0.03% Co
Including					279.0	282.0	3.0	1.01% Ni, 0.45% Cu, 0.05% Co

Table 1. Drill results from the Nova deposit. Visual estimates are not included here until assays are received.

Competent Persons statement

The information in this report that relates to Exploration Results is based on information compiled by Mark Bennett who is an employee of the company. Dr Bennett is a member of the Australasian Institute of Mining and Metallurgy, a fellow of the Australian Institute of Geologists and a fellow of the Geological Society of London. Dr Bennett has sufficient experience of relevance to the styles of mineralisation and the types of deposits under consideration, and to the activities undertaken, to qualify as a Competent Person as defined in the 2004 Edition of the Joint Ore Reserves Committee (JORC) Australasian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves. Dr Bennett consents to the inclusion in this report of the matters based on information in the form and context in which it appears.

Exploration results are based on standard industry practices, including sampling, assay methods, and appropriate quality assurance quality control (QAQC) measures. Reverse circulation (RC), aircore (AC) and rotary air blast (RAB) drilling samples are collected as composite samples of 4 or 2 metres and as 1 metre splits (stated in results). Mineralised intersections derived from composite samples are subsequently re-split to 1 metre samples to better define grade distribution. Core samples are taken as half NQ core or quarter HQ core and sampled to geological boundaries where appropriate. The quality of RC drilling samples is optimised by the use of riffle and/or cone splitters, dust collectors, logging of various criteria designed to record sample size, recovery and contamination, and use of field duplicates to measure sample representivity.

For soil samples, PGM and gold assays are based on an aqua regia digest with Inductively Coupled Plasma (ICP) finish and base metal assays may be based on aqua regia or four acid digest with inductively coupled plasma optical emission spectrometry (ICPOES) or atomic absorption spectrometry (AAS) finish. In the case of reconnaissance RAB, AC, RC or rock chip samples, PGM and gold assays are based on lead or nickel sulphide collection fire assay digests with an ICP finish, base metal assays are based on a four acid digest and inductively coupled plasma optical emission spectrometry (ICPOES) and atomic absorption spectrometry (AAS) finish, and where appropriate, oxide metal elements such as Fe, Ti and Cr are based on a lithium borate fusion digest and X-ray fluorescence (XRF) finish. In the case of strongly mineralised samples, base metal assays are based on a special high precision four acid digest (a four acid digest using a larger volume of material) and an AAS finish using a dedicated calibration considered more accurate for higher concentrations.

Sample preparation and analysis is undertaken at Minanalytical, Genalysis Intertek and Ultratrace laboratories in Perth, Western Australia. The quality of analytical results is monitored by the use of internal laboratory procedures and standards together with certified standards, duplicates and blanks and statistical analysis where appropriate to ensure that results are representative and within acceptable ranges of accuracy and precision.

Where quoted, nickel-copper intersections are based on a minimum threshold grade of 0.5% Ni and/or Cu, and gold intersections are based on a

minimum gold threshold grade of 0.1g/t Au unless otherwise stated. Intersections are length and density weighted where appropriate as per standard industry practice. All sample and drill hole co-ordinates are based on the GDA/MGA grid and datum unless otherwise stated. Exploration results obtained by other companies and quoted by Sirius have not necessarily been obtained using the same methods or subjected to the same QAQC protocols. These results may not have been independently verified because original samples and/or data may no longer be available.

The information in this report that relates to Mineral Resources is based on information compiled by Andrew Thompson who is an employee of the company. Mr Thompson is a member of the Australasian Institute of Mining and Metallurgy and has sufficient experience of relevance to the styles of mineralisation and the types of deposits under consideration, and to the activities undertaken, to qualify as a Competent Person as defined in the 2004 Edition of the Joint Ore Reserves Committee (JORC) Australasian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves. Mr Thompson consents to the inclusion in this report of the matters based on information in the form and context in which it appears.

Mineral Resources, if stated, have been estimated using standard accepted industry practices, as described in each instance. Top cuts have been applied to the composites based on statistical analysis and consideration of the nature and style of mineralization in all cases. Where quoted, Mineral Resource tonnes and grade, and contained metal, are rounded to appropriate levels of precision, which may cause minor apparent computational errors. Mineral Resources are classified on the basis of drill hole spacing, geological continuity and predictability, geostatistical analysis of grade variability, sampling analytical spatial and density QAQC criteria, demonstrated amenability of mineralization style to proposed processing methods, and assessment of economic criteria.



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