Orion Minerals

ASX/JSE RELEASE: 3 August 2021

Exploration ramps up at the Okiep Copper Project following exercise of Option to Purchase

Twin, infill and step-out drilling to commence along the Koperberg-Carolusberg line to verify historical near-surface drill results and prepare for resource estimation

- **A review of historical (Newmont/Goldfields-era) near-surface drilling has identified high-priority targets at Koperberg West, and East, all located along the Koperberg-Carolusberg line at the Okiep Copper Project (OCP).**
- **Historical intersections to be validated with twin and infill drilling to prepare for estimation of Mineral Resources.**
- **Step-out drilling will also be conducted to follow the mineralisation along strike and down dip of historical drilling.**
- **Ongoing SkyTEM™ survey now close to 70% complete for the Orion priority OCP area, with early results indicating new anomalies with similar geophysical signatures as seen on known large deposits at the OCP.**

Orion's Managing Director and CEO, Errol Smart, commented on the results:

"Following our successful due diligence programs at the OCP over the past six months, which examined and validated approximately 25% of the historical Newmont/Goldfields-era Okiep Copper Company (OCC) estimates of un-mined mineralisation and enabled us to report Mineral Resources totalling 11.5Mt at 1.4% Cu for 159,000 tonnes of contained copper (refer ASX/JSE release 29 March 2021), we are now pressing ahead with confirmation drilling to validate the remaining database, initially targeting near-surface mineralisation close to major infrastructure and existing mine development.

"The first drill targets are on the historical Koperberg-Carolusberg line, where the OCC database that we have acquired reports high-grade intercepts. These high-grade surface showings are unmined below 40m depth and sit on a line of workings that mine records show to have produced more than 38 million tonnes grading 1.54% Cu down to 1,900m depth and where the Carolusberg Deeps (16Mt mine at 2.05% Cu head grade) ceased mining with high-grade mineralisation reported to continue below the workings (refer ASX/JSE release 21 May 2021).

"It is important to note that Carolusberg Deeps, the largest deposit mined in the OCP district, had similar or less-conspicuous expression at surface than the Koperberg bodies that we will be targeting. Some lenses at Carolusberg pinched out completely down dip before opening again to massive 200m-diameter high-grade pipes at depth.

"While the upcoming drilling campaign is largely aimed at validating a portion of the large database of known mineralisation, our ongoing SkyTEM™ survey is providing very exciting initial indicators for high-priority targets for undiscovered mineralisation. Our unprocessed survey data is already indicating strong conductors located along structural corridors with magnetic features characteristic of the mafic intrusives that host the mineralisation at the OCP."

"Field checking and detailed processing will commence next week following anticipated completion of flying of the 150m line spaced survey area. The OCP area is heavily influenced by cultural features related to 170 years of intensive prospecting and mining that need to be identified and filtered out of the SkyTEM™ data before conductors can be modelled and prioritised for drilling. However, initial indicators are strong that the combined magnetic and electromagnetic data is successful in identifying known mineralisation, providing strong encouragement for the use of these tools to identify new, possibly blind-to-surface mineralisation."

Orion Minerals Limited (**ASX/JSE: ORN**) (**Orion** or the **Company**) is pleased to announce that drilling will shortly commence on the Koperberg – Carolusberg line at the recently-acquired Okiep Copper Project (**OCP**), where historical Newmont/Goldfields-era drilling identified high-grade near-surface mineralisation that remains unmined.

Twin, Infill and Step-Out Drilling on Koperberg targets

The drilling program is designed to validate two zones of mineralisation at Koperberg West and Koperberg East (Figure 1), identified by high-density Newmont/Goldfields-era drilling, to prepare for the completion of Mineral Resource estimates.

At Koperberg West (Figures 2 and 3), drilling will test the down-dip and strike extensions of a shallow glory hole that has been mined to a depth of 35m below surface. At the un-mined Koperberg East body (Figures 4 and 5), drilling will verify high-grade intersections returned from historical drilling.

Both drill targets lie within 3,000m of, and on the same structural feature that has been mined to 1,900m depth at Carolusberg Deeps. Importantly, historical drilling from the north at Koperberg East may have missed down-dip mineralisation (Figure 5). Mineralisation mined 2,000m to the east, along strike at Carolusberg Deeps showed characteristic south-stepping down dip, *en-echelon* lenses (Figure 6).

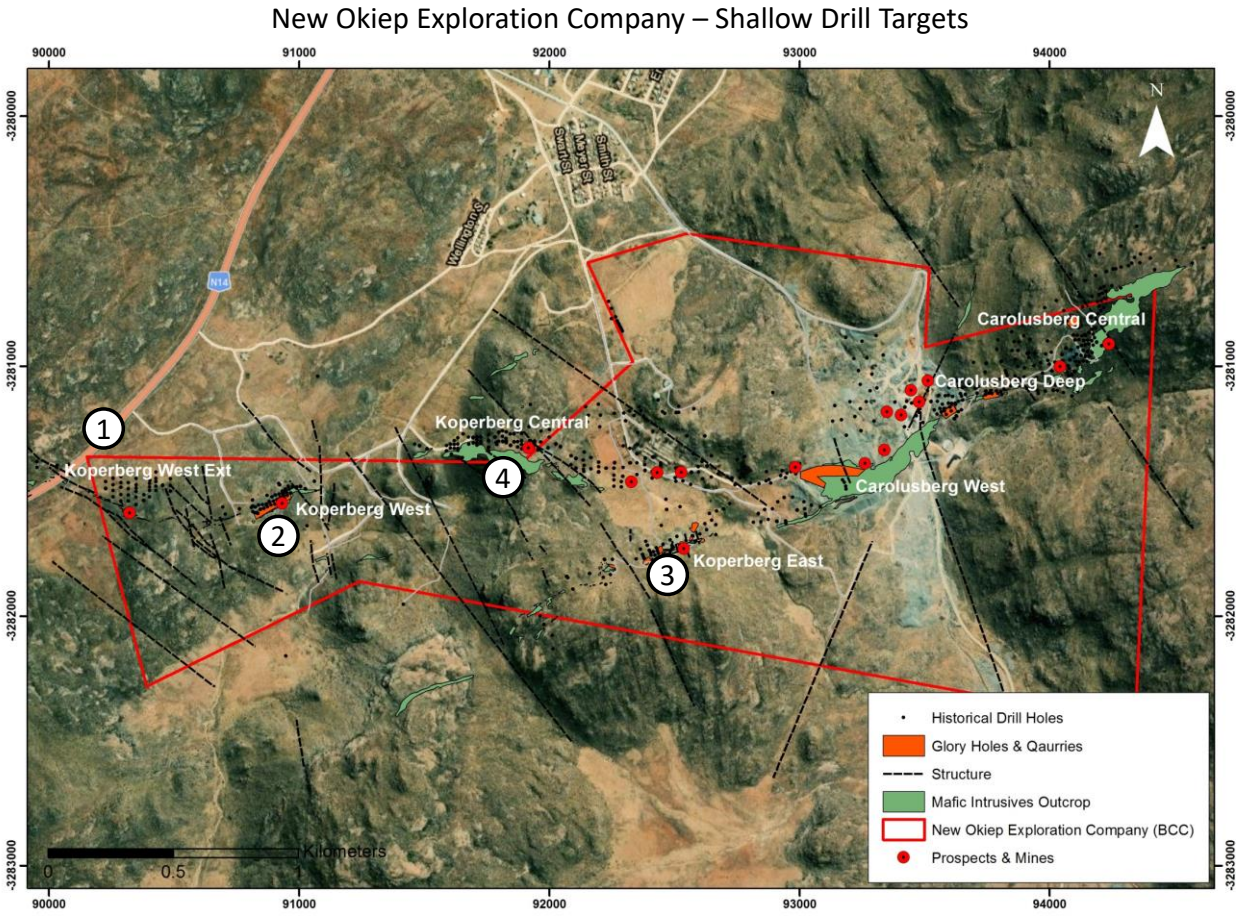


Figure 1: Drill Targets on the Koperberg - Carolusberg Lines.

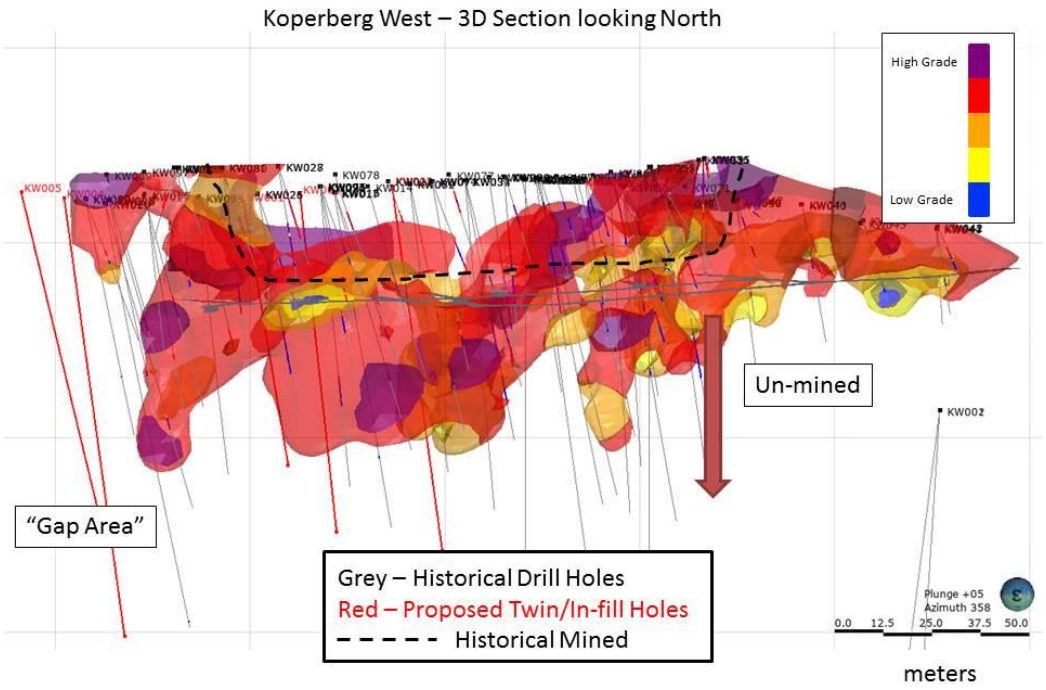


Figure 2: Historical intersections and geological interpretation at Koperberg West to be infilled and traced along strike and down-dip.[1]

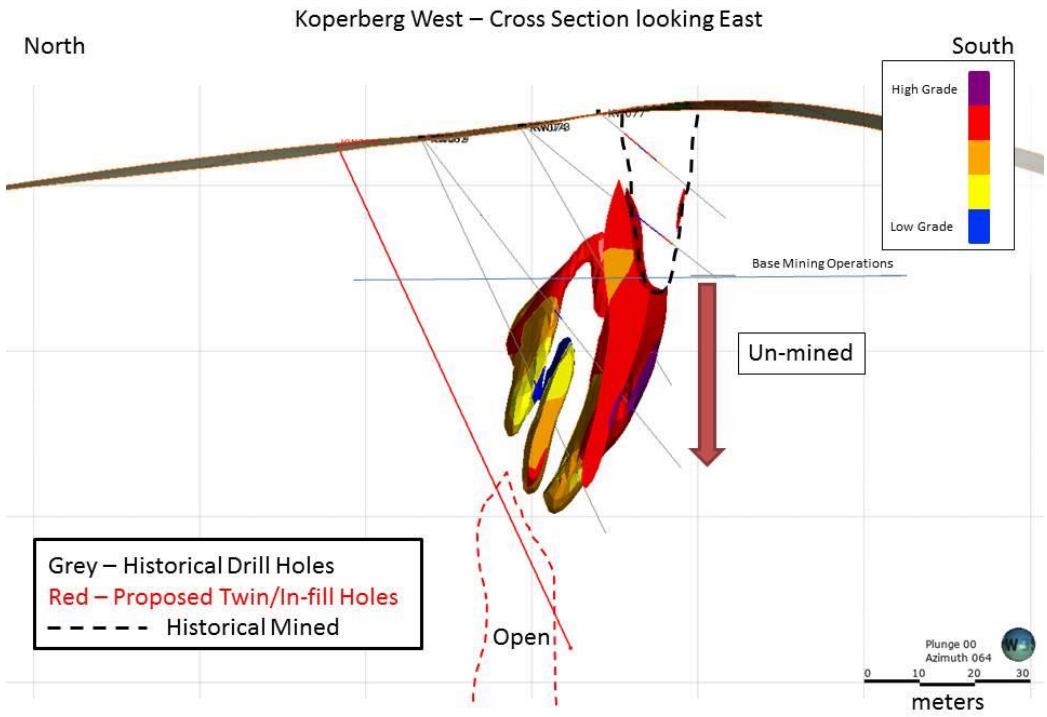


Figure 3: A typical cross section through historical drilling and mining at Koperberg West.[1]

[1] Figure include images related to exploration modelling of the discovery. Indicative grade shell models generated in Leapfrog software utilising the company's geological model are provided for reference only.

The images of grade shell models are not an Exploration Target and do not contain nor indicate any estimate of potential size and grade ranges for the discovery. No Mineral Resource estimate has been completed for the deposit at this time. The images of grade shells do not represent an Exploration Target nor a Mineral Resource and should not be construed as such, in compliance with the JORC code.

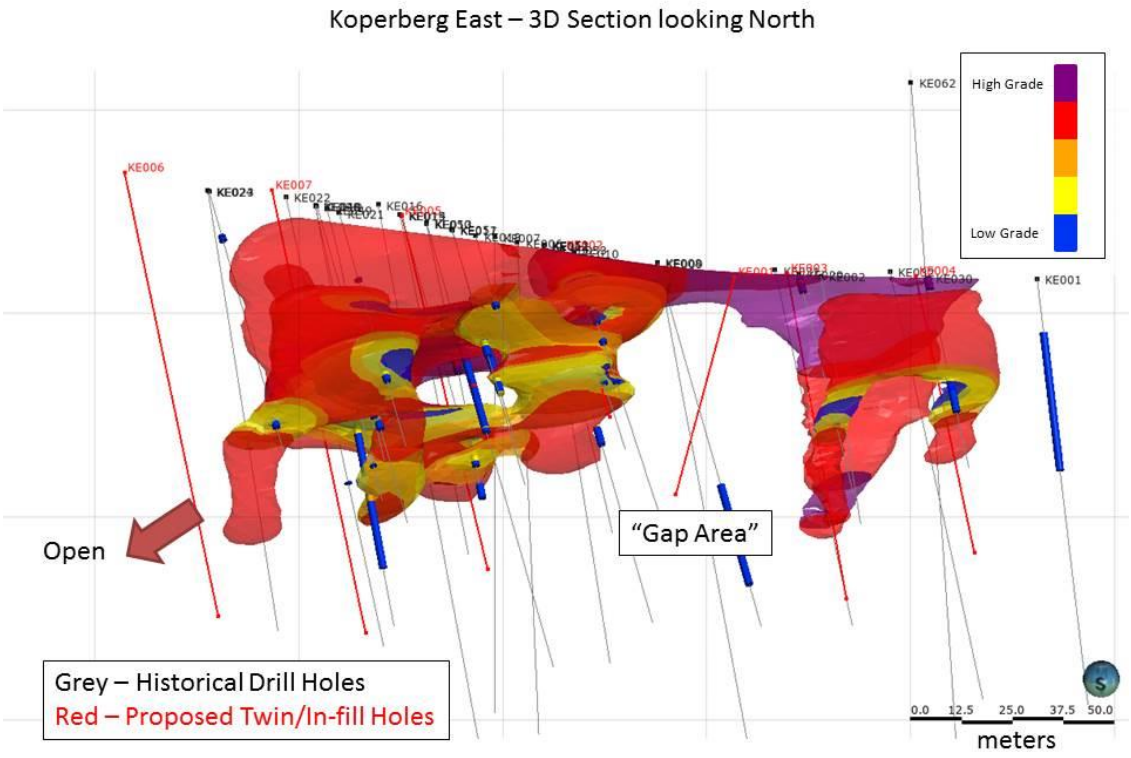


Figure 4: Historical drilling at Koperberg East to be twinned, infilled and tested along strike and down dip.[1]

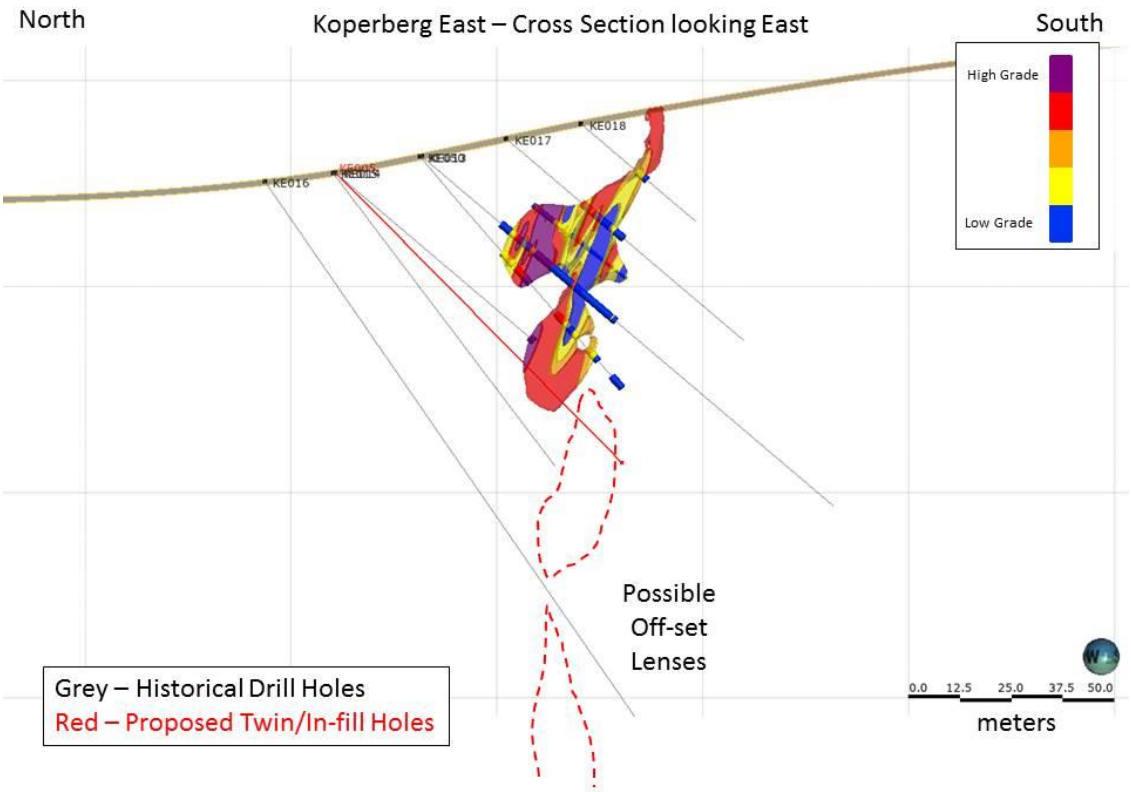


Figure 5: Koperberg East - A Cross section showing possible off-set mineralised lenses.[1]

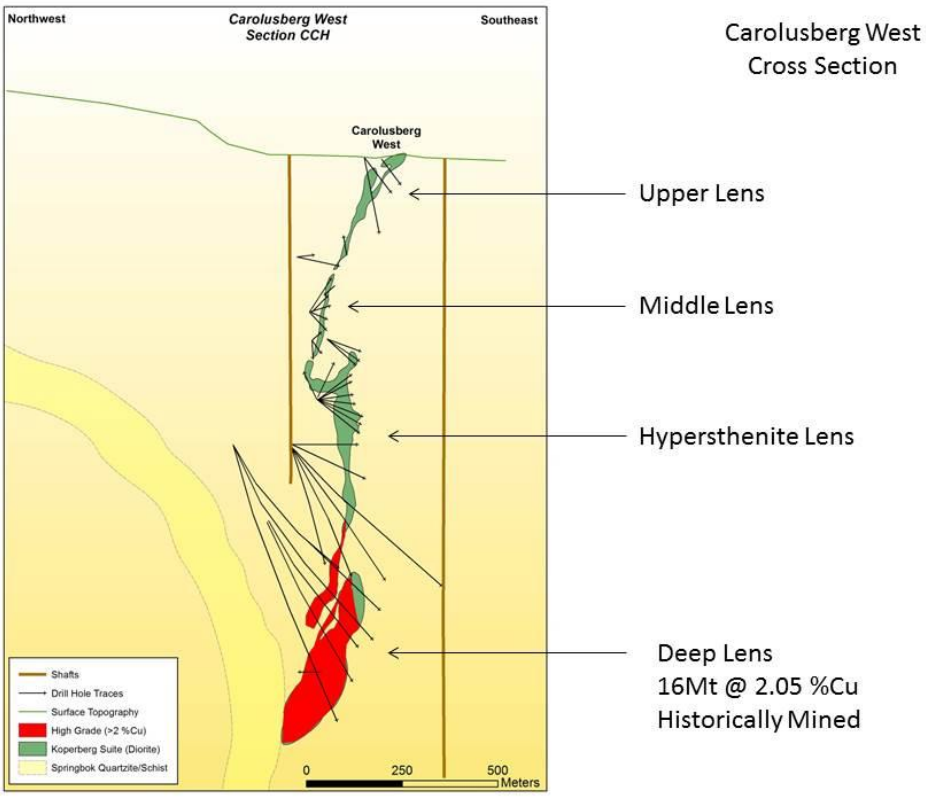


Figure 6: Carolusberg Deeps cross section showing characteristic discontinuous and south stepping down dip, mineralisation lenses historically mined to 1,900m depth (after Lombaard, 1986).[2]

SkyTEM™ Survey Progress

The SkyTEM™ survey of the Okiep District (Figure 7) being undertaken in collaboration with the South African Council for Geoscience has been hindered by exceptional storm weather over the past few weeks. Surveying over the Orion priority OCP area is now nearing close to 70% completion. The line spacing for the priority area is 150m, whereas the regional line spacing is 1,000m.

Initial unprocessed data are showing encouraging magnetic (Figure 8) and electromagnetic (**EM**) anomalism that will be investigated, with post processing and field checking to filter out the proliferation of cultural features such as settlements, power lines and roads from the electromagnetic data. Modelled targets will then be prioritised for ground EM and high resolution, low altitude drone magnetic surveys, before drill testing. High grade mines, discovered by early miners including the Okiep Mine (that gave the district its name) and which yielded 907,000 tonnes of sulphide ore at 21% copper, and Nababeeb South which yielded 816,000 tonnes at 5.5% copper are reported to have high magnetite and significant pyrhottite mineralisation which are expected to yield anomalism to be detected in the SkyTEM™ magnetic and EM survey.

[2] Source: Lombaard, A.F. and Exploration Department Staff of the O'Okiep Copper Company Limited (1986). The Copper Deposits of the Okiep Copper District, Namaqualand. Annhaeusser, C.R. and Maske, S. (Eds.) Mineral Deposits of Southern Africa. Vols. I and II. Geol. Soc. S. Afr., Johannesburg. pp 1421 – 1445.

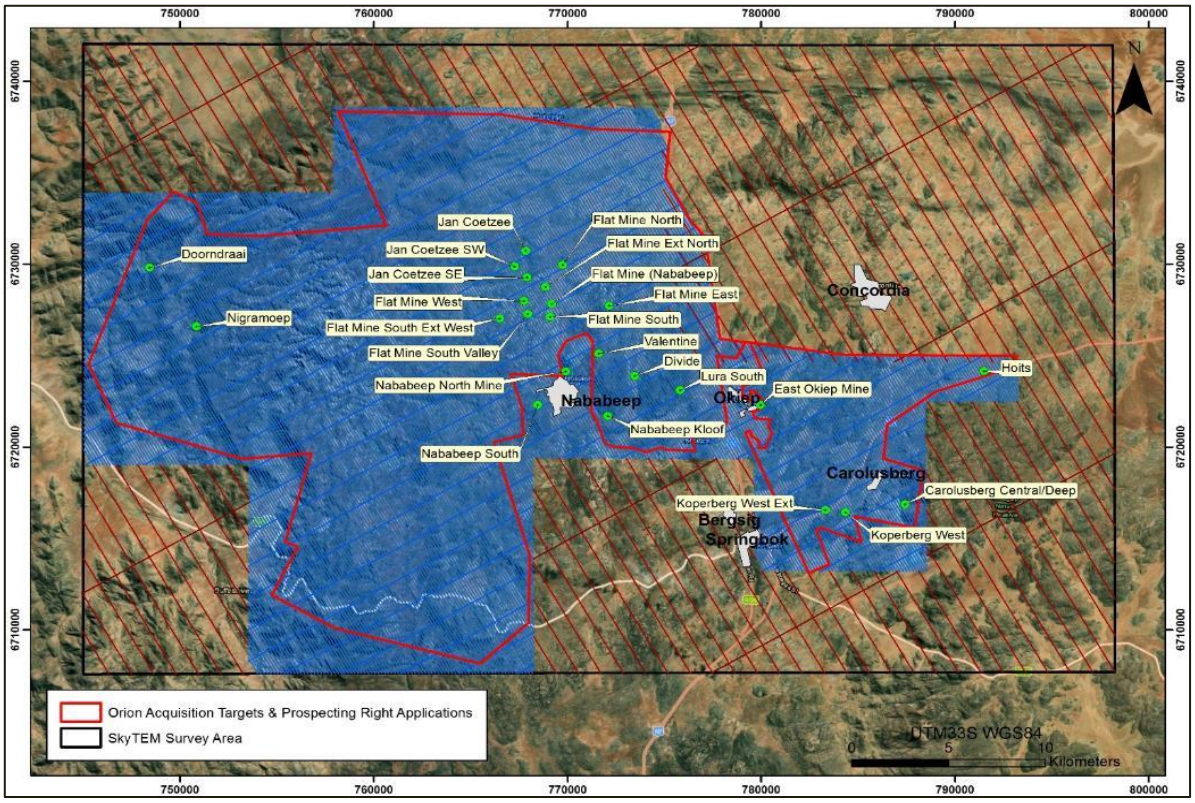


Figure 7: Locality of SkyTEM™ survey currently underway (blue lines are high-resolution 150m line spacing).

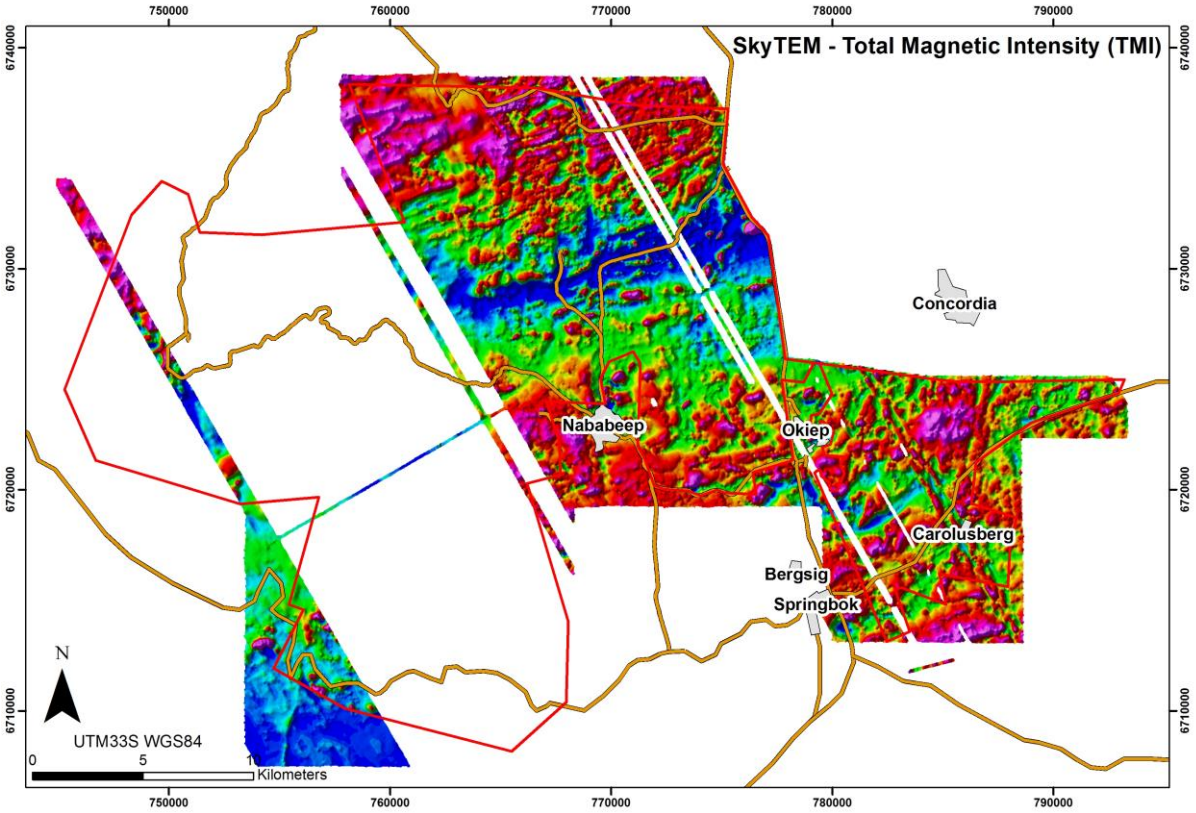
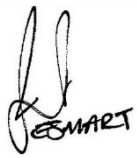


Figure 8: Incomplete total magnetic intensity (TMI) image of completed survey area to date. Warm colours reflect higher magnetic susceptibility.

For and on behalf of the Board.



Errol Smart
Managing Director and CEO

ENQUIRIES

Investors
Errol Smart – Managing Director & CEO
Denis Waddell – Chairman
T: +61 (0) 3 8080 7170
E: info@orionminerals.com.au

Media
Nicholas Read
Read Corporate, Australia
T: +61 (0) 419 929 046
E: nicholas@readcorporate.com.au

JSE Sponsor
Monique Martinez
Merchantec Capital
T: +27 (0) 11 325 6363
E: monique@merchantec.co.za

Competent Persons Statement

The information in this report that relates to Exploration Results has been compiled under the supervision of Mr Errol Smart, a Competent Person, who is registered with the South African Council for Natural Scientific Professionals, a 'Recognised Professional Organisation' (**RPO**). Mr Smart is the Managing Director and CEO of Orion. Mr Smart 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 Smart consents to the inclusion in the report of the matters based on his information in the form and context in which it appears.

The Okiep Copper Project Mineral Resource is extracted from the report entitled "Orion further expands Mineral Resource at the Okiep Copper Project, Flat Mines Area" created on 29 March 2021 and available to view at https://www.orionminerals.com.au/investors/asx-jse-announcements. The Competent Person responsible for the original report on the Mineral Resources was Dr Deon Vermaakt. Orion confirms that it is not aware of any new information or data that materially affects the information included in the original market announcement and that all material assumptions and technical parameters underpinning the Mineral Resource estimates in the relevant market announcement continue to apply and have not materially changed. Orion 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.

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This release may include forward-looking statements. Such forward-looking statements may include, among other things, statements regarding targets, estimates and assumptions in respect of metal production and prices, operating costs and results, capital expenditures, mineral reserves and mineral resources and anticipated grades and recovery rates, and are or may be based on assumptions and estimates related to future technical, economic, market, political, social and other conditions. These forward-looking statements are based on management's expectations and beliefs concerning future events. Forward-looking statements inherently involve subjective judgement and analysis and are necessarily subject to risks, uncertainties and other factors, many of which are outside the control of Orion. Actual results and developments may vary materially from those expressed in this release. Given these uncertainties, readers are cautioned not to place undue reliance on such forward-looking statements. Orion makes no undertaking to subsequently update or revise the forward-looking statements made in this release to reflect events or circumstances after the date of this release. All information in respect of Exploration Results and other technical information should be read in conjunction with Competent Person Statements in this release (where applicable). To the maximum extent permitted by law, Orion and any of its related bodies corporate and affiliates and their officers, employees, agents, associates and advisers:

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Appendix 1: The following tables are provided to ensure compliance with the JORC Code (2012) requirements for the reporting of Exploration Results for the Okiep Copper Project.

Section 1 Sampling Techniques and Data

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

Criteria	JORC Code explanation	Commentary
Sampling techniques	• Nature and quality of sampling (e.g. cut channels, random chips, or specific specialised industry standard measurement tools appropriate to the minerals under investigation, such as down hole gamma sondes, or handheld XRF instruments, etc.). These examples should not be taken as limiting the broad meaning of sampling. • 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.	• Diamond drilling was carried out by O'Okiep Copper Company (**OCC**) between 1953 and 1978, there is limited information available on sampling techniques for core. • Samples were taken over two-meter intervals adjusted to accommodate geological contacts. OCC whole core was submitted to the lab (AX core size). A 10 cm representative core was archived for each sample. • Goldfields of South Africa (**GFSA**) drilled BQ size core. Core was cut with a core cutter at the core yard and half core submitted over the entire sample interval.
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.).*	• All intersections were by core drilling. • AX-size core was drilled by OCC. BX -size core was drilled by GFSA. • Core orientation was not done.
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.*	• Core recoveries were measured for each "run". • No records exist for core recoveries on individual samples. • Intersections were in hard rock with good recoveries.. No sample bias is anticipated through the mineralisation.

Criteria	JORC Code explanation	Commentary
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.*	• All relevant intersections for surface holes have been logged by qualified geologists and all of this information is available. • No geotechnical information is available for the historical drill holes. • Core was not photographed. • Logs were recorded in the core yard on standard log sheets. • Quantitative estimates were made of sulphide mineralogy. • Core of the entire drill hole length was geologically logged and recorded on standardised log sheets by qualified geologists.
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 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.*	• The majority of the sample data are available. • Whole core was sampled for assay. • The entire sample length was submitted to the laboratory except for a 10cm piece of core left as a reference. This is not considered good practice as samples will not be fully representative. • Sample preparation was undertaken by the OCC Laboratory. • The sampling method was not fully representative due to the 10cm retained reference sample. • No duplicates were inserted.
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.*	• No records exist for laboratory procedures for the OCC laboratory. • No geophysical tools, spectrometers or handheld XRF instruments were used. • No record is available on quality control methods. • OCC was managed by GFSA and operated successfully for many years. It is considered that they followed the industry standards at that time.
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 records available on the verification of data. • Twin holes were not drilled. • Exploration was managed by the OCC and GFSA exploration departments, consisting of qualified geologists. • No adjustments to assay data were reported.
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*	• Drill hole collars were surveyed by qualified surveyors and documented in a Survey Logbook.

Criteria	JORC Code explanation	Commentary
	in Mineral Resource estimation. • *Specification of the grid system used.* • *Quality and adequacy of topographic control.*	• All surface and underground drill hole collars were surveyed by qualified surveyors using a theodolite. • The historical mine survey data is in the old national LO17 Cape Datum coordinate system. • Orion is converting the local old national LO17 Cape system to the current Hartebeeshoek94 survey system. • Down-hole surveys were carried using an Eastman survey instrument and documented and filed. Plans and sections were meticulously plotted and signed off by a certified surveyor.
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 classifications applied.* • *Whether sample compositing has been applied.*	• Original exploration holes were drilled, aiming to achieve a 60m by 30 m spacing, considered appropriate for Mineral Resource estimation of this type of mineralisation. • The SkyTEM™ line spacing for the priority area is 150m, whereas the regional line spacing is 1,000m.
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 structures is considered to have introduced a sampling bias, this should be assessed and reported if material.*	• Historical sampling is generally oriented perpendicular, or at a maximum achievable angle to, the attitude of the mineralisation. • As a result, most holes intersect the mineralisation at an acceptable angle. • No sampling bias is anticipated as a result of drill hole orientations.
Sample security	• *The measures taken to ensure sample security.*	• No details of sample security are available. However, during the mining operations the site was fenced and gated with security personnel employed as part of the staff.
Audits or reviews	• *The results of any audits or reviews of sampling techniques and data.*	• No audits and/or review records or documentation are available.

Section 2 Reporting of Exploration Results

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

Criteria	JORC Code explanation	Commentary
Mineral tenement and land tenure status	• *Type, reference name/number, location and ownership including agreements or material issues with third parties such as joint ventures, partnerships, overriding royalties, native title interests, historical sites, wilderness or national park and environmental settings.* • *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 mineral rights to the properties are vested in the State and the Minerals and Petroleum Development Act, 2002, (MPRDA) regulates the exploration and mining industry in South Africa. • A prospecting right, NC30/5/1/1/2/12357PR, in accordance with section 17 of the MPRDA was granted to Bulletrap Copper Co (Pty) Ltd (**BCC**) to prospect for a period of five years effective from 14 January 2021. • The prospecting right was granted for the minerals copper and tungsten ore in respect of the farms portion of Portion 10, portion of

Criteria	JORC Code explanation	Commentary
		Portion 9 and Portion 11 of the farm Brakfontein No. 133, portion of Portion 1 and portion of Portion 23 of the farm Melkboschkuil No 132, situated within the administrative district of Namaqualand. The total Area measures 2547,0791 Ha in extent. • Section 102 applications are in process with the authorities to add 26 minerals, including gold and silver. • The Goegap Nature Reserve lies to the south and outside of the area. The area was mined historically for copper. • Orion, recently acquired 100% of the project through the BCC-Orion Acquisition Agreement (refer ASX release 2 August 2021).
Exploration done by other parties	• *Acknowledgment and appraisal of exploration by other parties.*	• Surface geological mapping are of high quality and detail.
Geology	• *Deposit type, geological setting and style of mineralisation.*	• These copper deposits are part of the well-known Namaqualand Metamorphic Complex which consists primarily of meta-volcanic sedimentary and intrusive rock types. • Copper mineralisation is primarily associated with irregular, elongated and steeply dipping Koperberg Suite mafic intrusives. • The Koperberg Suite intrusives are mainly restricted to so-called "Steep Structures" of extensive strike lengths and steeply dipping to the north. • The Koperberg Suite consists of anorthosite, diorite and norite intermediate rock types. • Mineralisation usually occurs as blebs to disseminated Cu mineral assemblages bornite > chalcopyrite > chalcocite and less pyrite and pyrrhotite. • The more mafic and magnetite-rich lithologies generally host the bulk of and higher grade mineralisation. • The OCC has a long exploration and mining history and the geology is well known and under • stood.
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:* o *easting and northing of the drill hole collar* o *elevation or RL (Reduced Level – elevation above sea level in metres) of the drill hole collar* o *dip and azimuth of the hole* o *down hole length and interception depth* o *hole length.* • *If the exclusion of this information is justified on the basis that the*	• Historically 265 holes were drilled totaling 32,190 metres, most are AQ except for NQ and BQ close to the collars • All drill hole collars were surveyed in the LO17 Cape survey system. • Down-hole surveys are available for the majority of the historical holes.

Criteria	JORC Code explanation	Commentary
	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.	
Data aggregation methods	• *In reporting Exploration Results, weighting averaging techniques, maximum and/or minimum grade truncations (e.g. cutting of high grades) and cut-off grades are usually Material and should be stated.* • *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.* • *The assumptions used for any reporting of metal equivalent values should be clearly stated.*	• Individual intersections were weighted by sample width. • Mineralised sample lengths were erratically standardised at 1.0, 1.5 and 2.0 metres. • Significant Intercepts (>= 1.0% Cu)are reported in table 1 with internal waste dilution of max 3m @ 0.5% Cu. • No truncations were applied.
Relationship between mineralisation widths and intercept lengths	• *These relationships are particularly important in the reporting of Exploration Results.* • *If the geometry of the mineralisation with respect to the drill hole angle is known, its nature should be reported.* • *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').*	• Historical sampling is generally oriented perpendicular, or at a maximum achievable angle to, the attitude of the mineralisation. • Generally drill hole inclinations ranged between -30° to -90°.
Diagrams	• *Appropriate maps and sections (with scales) and tabulations of intercepts should be included for any significant discovery being reported. These should include, but not be limited to a plan view of drill hole collar locations and appropriate sectional views.*	• Numerous plans and cross-sections are available and were utilised during the geological and mineralisation modelling. • All historical data is available as hard copies and is currently being digitized and incorporated into a GIS system.
Balanced reporting	• *Where comprehensive reporting of all Exploration Results is not practicable, representative reporting of both low and high grades and/or widths should be practiced to avoid misleading reporting of Exploration Results.*	• In the Competent Person's opinion, the Exploration Results reported in this announcement have been reported in a balanced manner.
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.*	• Detailed surface maps and drill sections were extensively consulted and utilised in the understanding of geology and mineralisation. • Regional and detailed geophysical maps (magnetic) were also consulted. • SkyTEM™ Survey of the Okiep District in progress. Initial unprocessed data is reported here showing encouraging magnetic and electromagnetic features that will be investigated further. The line spacing for the priority area is 150m, whereas the regional line spacing is 1,000m.
Further work	1. *The nature and scale of planned further work (e.g. tests for lateral extensions or depth extensions or large-scale step-out drilling).* 2. *Diagrams clearly highlighting the areas of possible extensions, including the main geological interpretations and future drilling areas,*	• Processing and field checking of SkyTEM™ survey once completed to filter out the proliferation of cultural features from the electromagnetic data and identify/model targets. Modelled targets will then be prioritised for ground EM and high resolution, low altitude drone

Criteria	JORC Code explanation	Commentary
	provided this information is not commercially sensitive.	magnetic surveys, before drill testing. • Twinning of historical drill holes are needed in order to improve confidence in the historical data. • Deeper mineralisation as well as potential strike extension mineralised lenses are potentially present and should be further investigated. • Closely spaced drilling is required to bridge the gap at the northern end of the southern portion.

Table 1. Significant historical intercepts for all the Koperberg Prospects.

Significant Intercepts (>= 1.0% Cu) with internal waste dilution of max 3m @ 0.5% Cu.

Prospect	Hole ID	From (m)	To (m)	% Cu	Length (m)
Koperberg Central	KC018	175.26	179.22	1.12	3.96
Koperberg Central	KC020	81.38	88.39	1.11	7.01
Koperberg Central	KC020	99.67	108.51	1.20	8.84
Koperberg Central	KC021	127.41	137.16	2.26	9.75
Koperberg Central	KC064	106.68	115.82	1.74	9.14
Koperberg Central	KC066	91.74	97.23	1.10	5.49
Koperberg Central	KC122	55.17	63.70	1.11	8.53
Koperberg Central	KC167	123.44	141.12	1.72	17.68
Koperberg Central	KC167	154.23	155.45	1.33	1.22
Koperberg Central	KC168	163.07	164.59	1.25	1.52
Koperberg Central	KC171	133.20	137.16	31.67	3.96
Koperberg Central	KC171	140.82	148.44	1.56	7.62
Koperberg Central	KC171	158.19	162.46	2.03	4.27
Koperberg Central	KC173	54.86	56.08	1.51	1.22
Koperberg Central	KC176	149.96	162.15	2.48	12.19
Koperberg Central	KC182	46.33	47.55	1.87	1.22
Koperberg Central	KC184	176.78	185.62	2.09	8.84
Koperberg Central	KC186	162.76	172.52	1.86	9.75
Koperberg Central	KC187	197.51	199.03	1.08	1.52

Prospect	Hole ID	From (m)	To (m)	% Cu	Length (m)
Koperberg Central	KC187	203.00	206.35	1.05	3.35
Koperberg Central	KC191	165.81	173.74	1.37	7.92
Koperberg Central	KC193	119.48	142.34	1.25	22.86
Koperberg Central	KC193	169.47	172.21	1.19	2.74
Koperberg Central	KC208	169.77	178.92	1.44	9.14
Koperberg Central	KC208	184.71	193.24	1.22	8.53
Koperberg Central	KC210	124.05	135.64	1.71	11.58
Koperberg Central	KC212	128.63	145.39	1.97	16.76
Koperberg Central	KC216	107.29	118.26	1.23	10.97
Koperberg Central	KC217	121.62	125.88	1.67	4.27
Koperberg Central	KC217	131.67	137.16	1.57	5.49
Koperberg Central	KC219	132.28	133.50	1.40	1.22
Koperberg Central	KC219	142.65	146.61	3.92	3.96
Koperberg Central	KC222	115.82	131.37	1.04	15.54
Koperberg Central	KC222	134.72	144.78	1.52	10.06
Koperberg Central	KC223	138.68	150.27	2.23	11.58
Koperberg Central	KC226	166.42	170.08	2.05	3.66
Koperberg Central	KC226	173.74	180.14	2.00	6.40
Koperberg East	KE006	19.51	22.56	3.55	3.05
Koperberg East	KE006	25.60	31.70	2.78	6.10
Koperberg East	KE010	3.05	10.36	2.33	7.32
Koperberg East	KE011	39.93	45.72	3.44	5.79
Koperberg East	KE013	28.96	42.06	2.25	13.11
Koperberg East	KE014	62.48	64.01	3.07	1.52
Koperberg East	KE019	38.10	46.94	1.74	8.84
Koperberg East	KE020	37.49	41.15	1.51	3.66
Koperberg East	KE029	2.13	5.18	7.40	3.05
Koperberg East	KE030	0.00	3.05	7.85	3.05
Koperberg East	KE037	35.97	39.93	1.46	3.96
Koperberg East	KE050	31.00	41.20	1.26	10.20

Prospect	Hole ID	From (m)	To (m)	% Cu	Length (m)
Koperberg East	KE051	21.60	32.70	2.33	11.10
Koperberg East	KE051	34.70	36.30	1.22	1.60
Koperberg East	KE051	44.00	47.10	1.18	3.10
Koperberg East	KE053	12.00	15.50	1.40	3.50
Koperberg East	KE053	19.00	20.50	1.29	1.50
Koperberg East	KE056	51.40	53.20	3.55	1.80
Koperberg West	KW012	68.28	73.76	1.02	5.49
Koperberg West	KW014	26.21	32.61	1.18	6.40
Koperberg West	KW014	34.14	38.10	1.28	3.96
Koperberg West	KW015	62.48	65.53	1.93	3.05
Koperberg West	KW016	56.08	57.91	1.02	1.83
Koperberg West	KW016	60.35	62.18	1.51	1.83
Koperberg West	KW018	12.19	17.07	1.93	4.88
Koperberg West	KW019	35.05	42.67	2.09	7.62
Koperberg West	KW020	71.63	78.03	1.30	6.40
Koperberg West	KW025	25.20	31.90	1.82	6.70
Koperberg West	KW025	38.40	39.60	1.91	1.20
Koperberg West	KW026	32.00	33.30	1.16	1.30
Koperberg West	KW026	42.90	46.60	1.56	3.70
Koperberg West	KW027	8.80	26.80	1.57	18.00
Koperberg West	KW028	16.50	28.10	2.13	11.60
Koperberg West	KW029	10.20	13.90	1.41	3.70
Koperberg West	KW029	17.70	20.00	1.31	2.30
Koperberg West	KW030	12.10	23.10	1.71	11.00
Koperberg West	KW030	25.40	32.90	1.82	7.50
Koperberg West	KW031	21.10	42.60	1.66	21.50
Koperberg West	KW032	36.90	39.80	1.46	2.90
Koperberg West	KW032	58.70	60.10	1.29	1.40
Koperberg West	KW032	63.60	64.90	1.49	1.30
Koperberg West	KW034	35.90	39.50	2.58	3.60

Prospect	Hole ID	From (m)	To (m)	% Cu	Length (m)
Koperberg West	KW034	48.60	58.00	1.67	9.40
Koperberg West	KW035	0.00	4.30	2.11	4.30
Koperberg West	KW036	0.00	15.60	2.10	15.60
Koperberg West	KW037	24.20	30.60	1.35	6.40
Koperberg West	KW040	10.40	11.50	1.07	1.10
Koperberg West	KW040	15.70	19.00	1.14	3.30
Koperberg West	KW041	16.60	18.00	1.78	1.40
Koperberg West	KW042	7.00	15.40	1.27	8.40
Koperberg West	KW045	14.30	28.60	1.62	14.30
Koperberg West	KW047	4.80	17.80	1.58	13.00
Koperberg West	KW048	12.70	21.40	1.17	8.70
Koperberg West	KW051	0.00	5.90	1.84	5.90
Koperberg West	KW052	0.00	15.00	2.14	15.00
Koperberg West	KW053	0.00	9.80	3.25	9.80
Koperberg West	KW054	9.00	11.40	2.40	2.40
Koperberg West	KW055	30.70	35.40	1.67	4.70
Koperberg West	KW055	37.30	41.90	1.81	4.60
Koperberg West	KW058	8.90	12.60	3.25	3.70
Koperberg West	KW060	40.00	45.70	1.48	5.70
Koperberg West	KW061	24.50	25.60	1.04	1.10
Koperberg West	KW063	40.30	47.00	2.52	6.70
Koperberg West	KW064	13.70	19.50	1.86	5.80
Koperberg West	KW065	4.60	22.30	1.95	17.70
Koperberg West	KW066	8.50	9.90	2.09	1.40
Koperberg West	KW067	9.20	11.10	3.40	1.90
Koperberg West	KW067	30.90	32.80	1.88	1.90
Koperberg West	KW068	11.60	31.10	1.86	19.50
Koperberg West	KW069	14.40	19.70	1.85	5.30
Koperberg West	KW069	30.90	39.00	1.63	8.10
Koperberg West	KW070	12.60	18.30	1.22	5.70

Prospect	Hole ID	From (m)	To (m)	% Cu	Length (m)
Koperberg West	KW071	3.80	6.30	3.63	2.50
Koperberg West	KW071	19.20	21.60	1.88	2.40
Koperberg West	KW073	22.50	29.40	1.43	6.90
Koperberg West	KW073	30.60	34.60	2.03	4.00
Koperberg West	KW074	37.30	47.20	1.36	9.90
Koperberg West	KW075	22.60	24.60	2.99	2.00
Koperberg West	KW075	27.90	29.40	2.06	1.50
Koperberg West	KW076	26.30	29.80	1.74	3.50
Koperberg West	KW077	6.10	15.50	1.33	9.40
Koperberg West	KW078	13.50	20.40	2.42	6.90
Koperberg West	KW079	60.80	62.10	2.25	1.30
Koperberg West	KW080	9.00	16.60	2.24	7.60
Koperberg West	KW080	24.80	28.40	1.93	3.60
Koperberg West	KW080	33.80	40.50	1.44	6.70
Koperberg West	KW081	4.50	7.20	1.39	2.70
Koperberg West	KW081	19.50	28.00	1.42	8.50
Koperberg West	KW083	19.40	30.00	2.23	10.60
Koperberg West	KW085	46.80	49.20	1.37	2.40
Koperberg West	KW086	9.60	14.60	1.64	5.00
Koperberg West	KW088	14.50	15.80	1.02	1.30
Koperberg West	KW089	0.00	3.00	2.39	3.00
Koperberg West	KW090	18.70	23.00	1.24	4.30
Koperberg West	KW091	24.10	26.50	2.42	2.40
Koperberg West	KW091	31.80	36.80	1.24	5.00
Koperberg West	KW092	50.20	58.20	1.47	8.00
Koperberg West	KW094	43.70	51.40	1.15	7.70
Koperberg West	KW095	51.90	53.80	1.33	1.90
Koperberg West	KW096	42.20	47.40	2.68	5.20
Koperberg West Ext	KWE004	155.14	161.24	1.97	6.10
Koperberg West Ext	KWE004	165.20	170.99	1.81	5.79

Prospect	Hole ID	From (m)	To (m)	% Cu	Length (m)
Koperberg West Ext	KWE004	179.68	187.30	1.98	7.62
Koperberg West Ext	KWE007	95.10	100.89	1.11	5.79
Koperberg West Ext	KWE007	137.16	140.21	1.47	3.05
Koperberg West Ext	KWE007	144.78	156.06	1.29	11.28
Koperberg West Ext	KWE007	160.93	175.26	1.13	14.33
Koperberg West Ext	KWE007	176.48	186.84	1.11	10.36
Koperberg West Ext	KWE010	110.64	124.97	1.09	14.33
Koperberg West Ext	KWE014	106.98	112.17	1.34	5.18
Koperberg West Ext	KWE014	117.35	128.02	1.15	10.67
Koperberg West Ext	KWE014	130.45	131.98	1.66	1.52
Koperberg West Ext	KWE014	136.55	137.77	1.21	1.22
Koperberg West Ext	KWE015	128.02	135.64	1.72	7.62
Koperberg West Ext	KWE015	146.91	149.96	2.21	3.05
Koperberg West Ext	KWE017	110.95	112.17	1.90	1.22
Koperberg West Ext	KWE017	137.77	146.91	1.08	9.14
Koperberg West Ext	KWE017	172.21	174.35	2.26	2.13
Koperberg West Ext	KWE017	177.70	180.44	1.72	2.74
Koperberg West Ext	KWE017	186.23	195.68	1.10	9.45
Koperberg West Ext	KWE021	105.46	118.87	1.08	13.41
Koperberg West Ext	KWE027	61.57	63.70	1.15	2.13
Koperberg West Ext	KWE028	74.98	77.72	1.24	2.74
Koperberg West Ext	KWE028	85.04	86.87	1.50	1.83
Koperberg West Ext	KWE034	154.23	161.24	1.27	7.01
Koperberg West Ext	KWE034	169.16	182.27	2.03	13.11
Koperberg West Ext	KWE034	185.62	195.38	1.67	9.75
Koperberg West Ext	KWE036	208.48	211.53	1.50	3.05
Koperberg West Ext	KWE037	163.37	185.93	1.01	22.56
Koperberg West Ext	KWE039	137.46	145.08	1.04	7.62
Koperberg West Ext	KWE039	169.47	181.97	1.30	12.50
Koperberg West Ext	KWE039	184.40	187.15	2.54	2.74

Prospect	Hole ID	From (m)	To (m)	% Cu	Length (m)
Koperberg West Ext	KWE039	194.16	207.87	1.16	13.72
Koperberg West Ext	KWE042	155.45	170.38	1.25	14.94
Koperberg West Ext	KWE042	174.65	175.87	1.97	1.22
Koperberg West Ext	KWE043	143.56	146.61	1.03	3.05
Koperberg West Ext	KWE049	64.01	65.84	1.00	1.83
Koperberg West Ext	KWE057	75.90	77.11	1.05	1.22
Koperberg West Ext	KWE057	84.73	88.39	1.15	3.66
Koperberg West Ext	KWE057	99.36	103.33	1.09	3.96
Koperberg West Ext	KWE059	121.31	129.54	2.31	8.23

Table 2. Drill hole information for the Koperberg Prospects (LO17Cape coordinate system).

Prospect	Hole ID	Y	X	Z	Depth	Dip	Azimuth	Company	Type
Koperberg Central	KC016	92205.05	-3281107	1069.45	121.6152	-52	202	OCC	Diamond
Koperberg Central	KC018	92204.74	-3281054	1066.11	206.3496	-55	202	OCC	Diamond
Koperberg Central	KC019	92171.55	-3281117	1081.56	128.9304	-50	202	OCC	Diamond
Koperberg Central	KC020	92006.3	-3281011	1095.75	143.256	-45	202	OCC	Diamond
Koperberg Central	KC021	92006.32	-3281011	1095.75	183.4896	-65	202	OCC	Diamond
Koperberg Central	KC027	92006.33	-3281011	1095.75	264.2616	-80	202	OCC	Diamond
Koperberg Central	KC064	92006.3	-3281012	1095.45	135.3312	-55	202	OCC	Diamond
Koperberg Central	KC066	92006.3	-3281010	1095.29	115.2144	-35	202	OCC	Diamond
Koperberg Central	KC122	91852.74	-3281014	1109.31	75.8952	-40	209	OCC	Diamond
Koperberg Central	KC145	92006.4	-3281011	1095.55	201.168	-71	202	OCC	Diamond
Koperberg Central	KC163	92171.67	-3281080	1074.35	120.0912	-42	202	OCC	Diamond
Koperberg Central	KC164	92171.67	-3281080	1074.35	137.7696	-52	202	OCC	Diamond
Koperberg Central	KC167	92171.67	-3281080	1074.35	165.5064	-60	202	OCC	Diamond
Koperberg Central	KC168	92171.67	-3281079	1074.35	197.8152	-68	202	OCC	Diamond
Koperberg Central	KC171	92171.67	-3281079	1074.35	177.3936	-64	202	OCC	Diamond
Koperberg Central	KC173	92172.58	-3281118	1081.57	67.056	-31	202	OCC	Diamond
Koperberg Central	KC175	92200.61	-3281086	1068.37	173.736	-56	202	OCC	Diamond

Prospect	Hole ID	Y	X	Z	Depth	Dip	Azimuth	Company	Type
Koperberg Central	KC176	92200.61	-3281086	1068.49	186.5376	-60	202	OCC	Diamond
Koperberg Central	KC180	92200.61	-3281086	1068.49	158.496	-50	202	OCC	Diamond
Koperberg Central	KC182	92203.15	-3281131	1076.57	64.6176	-35	202	OCC	Diamond
Koperberg Central	KC184	92231.66	-3281075	1062.47	225.8568	-55	202	OCC	Diamond
Koperberg Central	KC186	92231.66	-3281076	1062.47	202.9968	-48	202	OCC	Diamond
Koperberg Central	KC187	92231.66	-3281075	1062.47	213.9696	-62	202	OCC	Diamond
Koperberg Central	KC188	92231.66	-3281076	1062.47	269.4432	-68	202	OCC	Diamond
Koperberg Central	KC191	92231.42	-3281076	1062.47	200.5584	-44	202	OCC	Diamond
Koperberg Central	KC193	92262.05	-3281133	1059.56	193.548	-62	202	OCC	Diamond
Koperberg Central	KC208	92323.28	-3281118	1053.61	217.932	-58	202	OCC	Diamond
Koperberg Central	KC210	92152.69	-3281068	1076.18	165.8112	-57.5	202	OCC	Diamond
Koperberg Central	KC211	92152.53	-3281069	1076.24	152.7048	-45	202	OCC	Diamond
Koperberg Central	KC212	92152.66	-3281068	1076.16	168.8592	-63	202	OCC	Diamond
Koperberg Central	KC213	92152.6	-3281069	1076.18	143.5608	-50	202	OCC	Diamond
Koperberg Central	KC214	92152.66	-3281068	1076.16	181.9656	-67.5	202	OCC	Diamond
Koperberg Central	KC215	92109.77	-3281033	1079.02	148.1328	-47.5	202	OCC	Diamond
Koperberg Central	KC216	92109.76	-3281033	1079.03	144.78	-40	202	OCC	Diamond
Koperberg Central	KC217	92109.77	-3281032	1079.02	151.1808	-54	202	OCC	Diamond
Koperberg Central	KC218	92109.7	-3281034	1079.06	148.7424	-30	202	OCC	Diamond
Koperberg Central	KC219	92109.74	-3281032	1078.95	167.64	-60	202	OCC	Diamond
Koperberg Central	KC220	92109.69	-3281032	1078.95	176.784	-65	202	OCC	Diamond
Koperberg Central	KC222	92171.67	-3281080	1074.35	164.8968	-46	202	OCC	Diamond
Koperberg Central	KC223	92171.67	-3281080	1074.35	165.5064	-62	202	OCC	Diamond
Koperberg Central	KC224	92171.67	-3281079	1074.35	207.264	-51.5	202	OCC	Diamond
Koperberg Central	KC225	92201.25	-3281122	1073.94	151.7904	-50	202	OCC	Diamond
Koperberg Central	KC226	92231.66	-3281075	1062.47	207.264	-51.5	202	OCC	Diamond
Koperberg Central	KC231	92205.18	-3281054	1065.72	220.3704	-62.5	202	OCC	Diamond
Koperberg East	KE001	92612.65	-3281408	1059.489	108.204	-60	164	OCC	Diamond
Koperberg East	KE002	92560.83	-3281435	1067.44	62.7888	-62	158	OCC	Diamond
Koperberg East	KE003	92731.52	-3281383	1045.677	121.92	-75	278	OCC	Diamond

Prospect	Hole ID	Y	X	Z	Depth	Dip	Azimuth	Company	Type
Koperberg East	KE004	92731.46	-3281345	1037.698	121.92	-42	170	OCC	Diamond
Koperberg East	KE006	92487.68	-3281466	1084.092	121.92	-80	163	OCC	Diamond
Koperberg East	KE007	92481.59	-3281452	1081.373	121.92	-90	0	OCC	Diamond
Koperberg East	KE008	92520.01	-3281423	1066.739	108.8136	-40	159.5	OCC	Diamond
Koperberg East	KE009	92520.18	-3281423	1066.842	131.064	-55	159.5	OCC	Diamond
Koperberg East	KE010	92501.3	-3281459	1079.784	85.344	-35	159.5	OCC	Diamond
Koperberg East	KE011	92493.03	-3281437	1074.988	112.776	-40	159.5	OCC	Diamond
Koperberg East	KE012	92492.71	-3281436	1074.818	106.68	-60	159.5	OCC	Diamond
Koperberg East	KE013	92464.54	-3281447	1083.186	132.588	-40	159.5	OCC	Diamond
Koperberg East	KE014	92457.37	-3281427	1079.276	64.008	-40	159.5	OCC	Diamond
Koperberg East	KE015	92457.02	-3281427	1079.238	90.2208	-52.5	159.5	OCC	Diamond
Koperberg East	KE016	92450.91	-3281411	1077.211	160.02	-55	159.5	OCC	Diamond
Koperberg East	KE017	92471.69	-3281467	1087.368	76.5048	-40	159.5	OCC	Diamond
Koperberg East	KE018	92478.32	-3281484	1090.929	36.8808	-40	159.5	OCC	Diamond
Koperberg East	KE019	92438.32	-3281463	1092.008	94.7928	-40	159.5	OCC	Diamond
Koperberg East	KE020	92437.9	-3281463	1091.991	110.0328	-55	159.5	OCC	Diamond
Koperberg East	KE021	92444.61	-3281481	1095.464	69.7992	-40	159.5	OCC	Diamond
Koperberg East	KE022	92429.71	-3281442	1087.936	121.92	-50	159.5	OCC	Diamond
Koperberg East	KE023	92412.68	-3281482	1100.944	78.0288	-40	159.5	OCC	Diamond
Koperberg East	KE024	92412.4	-3281481	1100.833	112.1664	-60	159.5	OCC	Diamond
Koperberg East	KE025	92286.34	-3281484	1143.485	39.624	-40	159.5	OCC	Diamond
Koperberg East	KE026	92285.98	-3281484	1143.469	101.1936	-60	159.5	OCC	Diamond
Koperberg East	KE027	92285.93	-3281483	1143.43	124.3584	-70	159.5	OCC	Diamond
Koperberg East	KE028	92317.8	-3281483	1129.976	60.96	-40	159.5	OCC	Diamond
Koperberg East	KE029	92555	-3281428	1065.657	62.7888	-45	159.5	OCC	Diamond
Koperberg East	KE030	92586.56	-3281425	1064.391	51.5112	-50	159.5	OCC	Diamond
Koperberg East	KE031	92548.13	-3281405	1059.919	96.3168	-50	159.5	OCC	Diamond
Koperberg East	KE032	92575.75	-3281392	1056.049	115.824	-50	159.5	OCC	Diamond
Koperberg East	KE034	92638.52	-3281390	1054.308	60.96	-50	159.5	OCC	Diamond
Koperberg East	KE035	92667.58	-3281382	1051.016	76.2	-50	159.5	OCC	Diamond

Prospect	Hole ID	Y	X	Z	Depth	Dip	Azimuth	Company	Type
Koperberg East	KE036	92693.6	-3281364	1044.821	106.68	-50	159.5	OCC	Diamond
Koperberg East	KE037	92714.26	-3281326	1035.762	120.7008	-55	159.5	OCC	Diamond
Koperberg East	KE038	92705.57	-3281300	1033.046	94.1832	-65	159.5	OCC	Diamond
Koperberg East	KE039	92687.68	-3281340	1041.047	76.2	-70	159.5	OCC	Diamond
Koperberg East	KE040	92734.06	-3281289	1030.474	121.0056	-45	159.5	OCC	Diamond
Koperberg East	KE041	92761.9	-3281281	1028.918	121.0056	-55	159.5	OCC	Diamond
Koperberg East	KE042	92786.06	-3281259	1027.441	120.396	-55	159.5	OCC	Diamond
Koperberg East	KE043	92280.91	-3281555	1159.665	37.00272	-45	339.5	OCC	Diamond
Koperberg East	KE044	92290.47	-3281584	1162.867	152.5	-50	339.5	OCC	Diamond
Koperberg East	KE045	92029.7	-3281709	1176.719	120.1	-70	339.5	OCC	Diamond
Koperberg East	KE046	92043.66	-3281743	1171.165	113.5	-70	339.5	OCC	Diamond
Koperberg East	KE047	92139.19	-3281557	1191.512	200	-77	339.5	OCC	Diamond
Koperberg East	KE048	92437.94	-3281463	1092.071	82.7	-48	159.5	OCC	Diamond
Koperberg East	KE049	92441.19	-3281472	1093.784	69.6	-41	159.5	OCC	Diamond
Koperberg East	KE050	92464.41	-3281447	1083.115	75.4	-50	159.5	OCC	Diamond
Koperberg East	KE051	92471.08	-3281456	1084.494	65.3	-40	159.5	OCC	Diamond
Koperberg East	KE052	92492.86	-3281436	1074.817	79.4	-49	159.5	OCC	Diamond
Koperberg East	KE053	92497.93	-3281449	1077.582	60.3	-40	159.5	OCC	Diamond
Koperberg East	KE054	92308.85	-3281544	1147.237	94.8	-60	15	OCC	Diamond
Koperberg East	KE055	92226.66	-3281539	1177.793	68	-50	90	OCC	Diamond
Koperberg East	KE056	92225.8	-3281539	1178.022	81	-90	90	OCC	Diamond
Koperberg East	KE057	92135.26	-3281551	1191.32	130.8	-55	75	OCC	Diamond
Koperberg East	KE058	92134.58	-3281551	1191.388	116	-87	75	OCC	Diamond
Koperberg East	KE059	92159.94	-3281602	1192.183	161.2	-75	340	OCC	Diamond
Koperberg East	KE060	92077.98	-3281787	1168.914	139.5	-70	338	OCC	Diamond
Koperberg East	KE061	92080.34	-3281841	1158.267	144.5	-70	339	OCC	Diamond
Koperberg East	KE062	92570.66	-3281171	1039.543	910.3	-75	159.5	OCC	Diamond
Koperberg West	KW001	91096.98	-3281348	965.34	305.1	-70	348	OCC	Diamond
Koperberg West	KW002	91096.98	-3281348	965.34	297.18	-55	348	OCC	Diamond
Koperberg West	KW003	90984.07	-3281179	1010.9	132.9	-90	0	OCC	Diamond

Prospect	Hole ID	Y	X	Z	Depth	Dip	Azimuth	Company	Type
Koperberg West	KW004	91017.53	-3281226	1017.9	286.512	-90	161.5	OCC	Diamond
Koperberg West	KW005	91017.98	-3281226	1017.9	38.1	-45	137	OCC	Diamond
Koperberg West	KW006	91126.24	-3281171	978.39	91.44			OCC	Diamond
Koperberg West	KW007	91006.82	-3281210	1012.78	85.344	-80	157	OCC	Diamond
Koperberg West	KW008	91007.33	-3281211	1012.74	53.0352	-45	137	OCC	Diamond
Koperberg West	KW011	90998.87	-3281216	1013.47	87.1728	-45	161.5	OCC	Diamond
Koperberg West	KW012	90987.08	-3281185	1011.43	110.0328	-45	161.5	OCC	Diamond
Koperberg West	KW013	90986.93	-3281184	1011.43	117.9576	-63	161.5	OCC	Diamond
Koperberg West	KW014	90946.31	-3281251	1014.69	66.4464	-45	161.5	OCC	Diamond
Koperberg West	KW015	90936.95	-3281227	1011.28	90.2208	-45	161.5	OCC	Diamond
Koperberg West	KW016	90936.86	-3281227	1011.22	71.9328	-35	161.5	OCC	Diamond
Koperberg West	KW017	90936.74	-3281227	1011.14	97.536	-57.5	161.5	OCC	Diamond
Koperberg West	KW018	90952.13	-3281265	1017.26	39.624	-35	161.5	OCC	Diamond
Koperberg West	KW019	90889.81	-3281274	1013.91	74.9808	-45	161.5	OCC	Diamond
Koperberg West	KW020	90878.71	-3281246	1009.71	106.0704	-45	161.5	OCC	Diamond
Koperberg West	KW021	90878.66	-3281246	1009.6	125.5776	-60	161.5	OCC	Diamond
Koperberg West	KW022	90826.92	-3281280	1014.95	89.3064	-45	161.5	OCC	Diamond
Koperberg West	KW023	90770.75	-3281302	1023.25	76.8096	-45	161.5	OCC	Diamond
Koperberg West	KW024	90760.35	-3281274	1018.21	72.8472	-45	161.5	OCC	Diamond
Koperberg West	KW025	90918.54	-3281264	1013.85	55.7	-40	161.5	OCC	Diamond
Koperberg West	KW026	90918.55	-3281263	1013.71	64.5	-58	161.5	OCC	Diamond
Koperberg West	KW027	90924.47	-3281279	1022.16	36.1	-40	161.5	OCC	Diamond
Koperberg West	KW028	90924.34	-3281279	1022	36.5	-57	161.5	OCC	Diamond
Koperberg West	KW029	90981.86	-3281258	1017.81	30.9	-40	161.5	OCC	Diamond
Koperberg West	KW030	90981.56	-3281257	1017.71	44.9	-74	161.5	OCC	Diamond
Koperberg West	KW031	90977.2	-3281244	1016.7	53.7	-64	161.5	OCC	Diamond
Koperberg West	KW032	90970.4	-3281226	1014.24	75.4	-58	161.5	OCC	Diamond
Koperberg West	KW033	90970.34	-3281226	1014.21	86.9	-72	161.5	OCC	Diamond
Koperberg West	KW034	90970.48	-3281226	1014.27	65.8	-49	161.5	OCC	Diamond
Koperberg West	KW035	91031.66	-3281218	1019.55	30	-40	161.5	OCC	Diamond

Prospect	Hole ID	Y	X	Z	Depth	Dip	Azimuth	Company	Type
Koperberg West	KW036	91031.29	-3281217	1019.34	30.9	-90	161.5	OCC	Diamond
Koperberg West	KW037	91021.69	-3281190	1005.89	45	-40	161.5	OCC	Diamond
Koperberg West	KW038	91021.44	-3281190	1005.71	60.1	-55	161.5	OCC	Diamond
Koperberg West	KW039	91021.37	-3281190	1005.65	70.8	-64	161.5	OCC	Diamond
Koperberg West	KW040	91055.48	-3281193	1005.7	30.5	-40	161.5	OCC	Diamond
Koperberg West	KW041	91055.65	-3281194	1005.89	40.3	-57	161.5	OCC	Diamond
Koperberg West	KW042	91090.85	-3281202	1000.77	19.5	-30	161.5	OCC	Diamond
Koperberg West	KW043	91090.53	-3281201	1000.38	24.5	-60	161.5	OCC	Diamond
Koperberg West	KW044	91090.39	-3281200	1000.16	24.7	-77	161.5	OCC	Diamond
Koperberg West	KW045	91070.71	-3281190	1000.77	30.4	-10	161.5	OCC	Diamond
Koperberg West	KW046	91071.22	-3281192	1001.57	30.6	-40	161.5	OCC	Diamond
Koperberg West	KW047	91039.15	-3281193	1007.01	25	-10	161.5	OCC	Diamond
Koperberg West	KW048	91038.86	-3281192	1006.46	28.1	-40	161.5	OCC	Diamond
Koperberg West	KW049	91038.76	-3281192	1006.26	33.3	-60	161.5	OCC	Diamond
Koperberg West	KW050	91038.67	-3281191	1006.15	45	-71	161.5	OCC	Diamond
Koperberg West	KW051	91031.64	-3281218	1019.44	12	-55	161.5	OCC	Diamond
Koperberg West	KW052	91030.07	-3281216	1019.04	22.4	-55	-18.5	OCC	Diamond
Koperberg West	KW053	91017.93	-3281227	1017.97	30.8	-30	161.5	OCC	Diamond
Koperberg West	KW054	91017.61	-3281226	1017.79	40.8	-57	161.5	OCC	Diamond
Koperberg West	KW055	91010.37	-3281203	1011.11	49.3	-40	161.5	OCC	Diamond
Koperberg West	KW056	91010.12	-3281203	1011.01	60.3	-60	161.5	OCC	Diamond
Koperberg West	KW057	91010.01	-3281202	1010.85	72.5	-77	161.5	OCC	Diamond
Koperberg West	KW058	91010.53	-3281204	1011.11	45.3	-31	161.5	OCC	Diamond
Koperberg West	KW059	91010.08	-3281202	1010.97	91	-71	161.5	OCC	Diamond
Koperberg West	KW060	91010.18	-3281203	1011.16	54	-50	161.5	OCC	Diamond
Koperberg West	KW061	91014.56	-3281214	1015.2	29.6	-40	161.5	OCC	Diamond
Koperberg West	KW062	90987.38	-3281185	1011.67	99.5	-53	161.5	OCC	Diamond
Koperberg West	KW063	90997.42	-3281210	1014.02	63.4	-54	161.5	OCC	Diamond
Koperberg West	KW064	91003.22	-3281229	1015.89	36.2	-45	161.5	OCC	Diamond
Koperberg West	KW065	91008.39	-3281242	1017.81	24.6	-45	161.5	OCC	Diamond

Prospect	Hole ID	Y	X	Z	Depth	Dip	Azimuth	Company	Type
Koperberg West	KW066	91001.02	-3281222	1014.41	36.5	-45	161.5	OCC	Diamond
Koperberg West	KW067	91000.88	-3281221	1014.1	45.2	-60	161.5	OCC	Diamond
Koperberg West	KW068	90990.17	-3281236	1015.52	40.8	-40	161.5	OCC	Diamond
Koperberg West	KW069	90989.92	-3281235	1015.31	50	-60	161.5	OCC	Diamond
Koperberg West	KW070	90994.61	-3281249	1017.32	36.5	-40	161.5	OCC	Diamond
Koperberg West	KW071	91025.93	-3281201	1010.9	31.7	-50	161.5	OCC	Diamond
Koperberg West	KW072	90984.77	-3281222	1014.71	65	-55	161.5	OCC	Diamond
Koperberg West	KW073	90962.9	-3281250	1016.09	44.5	-40	161.5	OCC	Diamond
Koperberg West	KW074	90962.75	-3281249	1016.01	54.4	-60	161.5	OCC	Diamond
Koperberg West	KW075	90934.71	-3281262	1015.62	41.5	-40	161.5	OCC	Diamond
Koperberg West	KW076	90934.57	-3281262	1015.41	57	-60	161.5	OCC	Diamond
Koperberg West	KW077	90967.57	-3281263	1018.67	30.1	-40	161.5	OCC	Diamond
Koperberg West	KW078	90938.69	-3281273	1019.56	32.5	-40	161.5	OCC	Diamond
Koperberg West	KW079	90956.45	-3281233	1013.93	76.1	-52.5	161.5	OCC	Diamond
Koperberg West	KW080	90910.24	-3281284	1022.04	51	-65	161.5	OCC	Diamond
Koperberg West	KW081	90909.91	-3281283	1022.02	40	-37	161.5	OCC	Diamond
Koperberg West	KW082	90956.34	-3281232	1013.96	79.1	-65	161.5	OCC	Diamond
Koperberg West	KW083	90899.41	-3281298	1023.05	36	-70	161.5	OCC	Diamond
Koperberg West	KW084	90899.74	-3281299	1023.18	25	-40	161.5	OCC	Diamond
Koperberg West	KW085	90890.01	-3281274	1014.29	66.3	-57.5	161.5	OCC	Diamond
Koperberg West	KW086	90898.35	-3281298	1023.11	26	-50	339.7	OCC	Diamond
Koperberg West	KW087	90874.74	-3281276	1013.46	70.2	-55	161.5	OCC	Diamond
Koperberg West	KW088	90898.51	-3281298	1023.09	32	-72.5	-17.9	OCC	Diamond
Koperberg West	KW089	90880.83	-3281292	1020.82	48	-42.5	161.5	OCC	Diamond
Koperberg West	KW090	90874.84	-3281276	1013.27	53	-40	161.5	OCC	Diamond
Koperberg West	KW091	90934.69	-3281262	1015.45	46	-50	161.5	OCC	Diamond
Koperberg West	KW092	90934.47	-3281261	1015.58	79.5	-72.5	161.5	OCC	Diamond
Koperberg West	KW093	90903.29	-3281265	1012.806	73.9	-70	161.5	OCC	Diamond
Koperberg West	KW094	90903.45	-3281265	1012.989	57.8	-47.5	161.5	OCC	Diamond
Koperberg West	KW095	90880.66	-3281269	1012.477	66	-52.5	161.5	OCC	Diamond

Prospect	Hole ID	Y	X	Z	Depth	Dip	Azimuth	Company	Type
Koperberg West	KW096	90880.84	-3281270	1012.483	60	-40	161.5	OCC	Diamond
Koperberg West	KW097	90890.66	-3281296	1021.966	48	-70	161.5	OCC	Diamond
Koperberg West Ext	KWE001	90519.64	-3281187	1034.36	183.1848	-48	180	OCC	Diamond
Koperberg West Ext	KWE002	90519.62	-3281187	1034.33	230.4288	-60	180	OCC	Diamond
Koperberg West Ext	KWE003	90444.13	-3281248	1040.59	137.16	-40	180	OCC	Diamond
Koperberg West Ext	KWE004	90444.1	-3281247	1040.46	215.1888	-70	180	OCC	Diamond
Koperberg West Ext	KWE005	90444.77	-3281225	1036.08	253.5936	-70	180	OCC	Diamond
Koperberg West Ext	KWE006	90444.08	-3281247	1040.66	201.4728	-60	180	OCC	Diamond
Koperberg West Ext	KWE007	90444.06	-3281247	1040.59	204.216	-66	180	OCC	Diamond
Koperberg West Ext	KWE008	90413.98	-3281264	1034.53	77.1144	-50	180	OCC	Diamond
Koperberg West Ext	KWE009	90413.65	-3281235	1029.17	138.684	-50	180	OCC	Diamond
Koperberg West Ext	KWE010	90413.56	-3281212	1026.42	198.4248	-50	180	OCC	Diamond
Koperberg West Ext	KWE011	90413.58	-3281185	1022.96	229.8192	-50	180	OCC	Diamond
Koperberg West Ext	KWE012	90413.6	-3281160	1021.74	274.6248	-50	180	OCC	Diamond
Koperberg West Ext	KWE013	90382.78	-3281250	1024.38	131.3688	-50	180	OCC	Diamond
Koperberg West Ext	KWE014	90382.77	-3281226	1023.02	186.2328	-50	180	OCC	Diamond
Koperberg West Ext	KWE015	90383.17	-3281201	1021.96	213.9696	-50	180	OCC	Diamond
Koperberg West Ext	KWE016	90383.14	-3281176	1019.33	243.84	-50	180	OCC	Diamond
Koperberg West Ext	KWE017	90413.42	-3281197	1024.62	213.9696	-50	180	OCC	Diamond
Koperberg West Ext	KWE018	90352.56	-3281249	1023.77	82.6008	-50	180	OCC	Diamond
Koperberg West Ext	KWE019	90352.54	-3281225	1020.65	93.2688	-50	180	OCC	Diamond
Koperberg West Ext	KWE020	90352.77	-3281195	1018.74	128.6256	-48	180	OCC	Diamond
Koperberg West Ext	KWE021	90352.86	-3281176	1018.44	134.112	-50	180	OCC	Diamond
Koperberg West Ext	KWE022	90352.82	-3281152	1016.74	167.64	-50	180	OCC	Diamond
Koperberg West Ext	KWE023	90322.16	-3281233	1018.37	60.96	-50	180	OCC	Diamond
Koperberg West Ext	KWE024	90291.82	-3281200	1014.96	78.0288	-40	180	OCC	Diamond
Koperberg West Ext	KWE025	90322.27	-3281207	1017.19	92.964	-50	180	OCC	Diamond
Koperberg West Ext	KWE026	90291.85	-3281199	1014.7	91.7448	-60	180	OCC	Diamond
Koperberg West Ext	KWE027	90322.28	-3281184	1016.07	140.208	-50	180	OCC	Diamond
Koperberg West Ext	KWE028	90291.76	-3281172	1013.8	115.824	-55	180	OCC	Diamond

Prospect	Hole ID	Y	X	Z	Depth	Dip	Azimuth	Company	Type
Koperberg West Ext	KWE029	90322.17	-3281159	1015.08	183.7944	-50	180	OCC	Diamond
Koperberg West Ext	KWE030	90322.26	-3281158	1015.12	157.5816	-59	180	OCC	Diamond
Koperberg West Ext	KWE031	90291.78	-3281171	1013.8	122.5296	-70	180	OCC	Diamond
Koperberg West Ext	KWE032	90468.1	-3281233	1040.9	167.64	-50	180	OCC	Diamond
Koperberg West Ext	KWE033	90468.17	-3281207	1032.58	230.4288	-50	180	OCC	Diamond
Koperberg West Ext	KWE034	90468.08	-3281180	1028.54	246.888	-50	180	OCC	Diamond
Koperberg West Ext	KWE035	90468.44	-3281146	1025.86	292.9128	-50	180	OCC	Diamond
Koperberg West Ext	KWE036	90468.3	-3281167	1027.89	262.7376	-51.5	180	OCC	Diamond
Koperberg West Ext	KWE037	90468.09	-3281193	1029.59	229.8192	-50	180	OCC	Diamond
Koperberg West Ext	KWE038	90492.86	-3281207	1035.66	199.0344	-50	180	OCC	Diamond
Koperberg West Ext	KWE039	90492.84	-3281173	1030.48	251.7648	-50	180	OCC	Diamond
Koperberg West Ext	KWE040	90492.93	-3281133	1027.59	284.6832	-50	180	OCC	Diamond
Koperberg West Ext	KWE041	90492.99	-3281158	1029.38	262.128	-52	180	OCC	Diamond
Koperberg West Ext	KWE042	90492.86	-3281190	1031.93	205.4352	-50	180	OCC	Diamond
Koperberg West Ext	KWE043	90519.43	-3281187	1034.58	231.3432	-49	180	OCC	Diamond
Koperberg West Ext	KWE044	90550.7	-3281187	1037.73	217.932	-50	180	OCC	Diamond
Koperberg West Ext	KWE045	90550.67	-3281211	1045.35	182.88	-50	180	OCC	Diamond
Koperberg West Ext	KWE046	90550.74	-3281161	1035.085	236.8296	-50	180	OCC	Diamond
Koperberg West Ext	KWE047	90017.23	-3281116	1019.88	135.636	-50	180	OCC	Diamond
Koperberg West Ext	KWE048	90017.18	-3281091	1023.3	154.5336	-65	180	OCC	Diamond
Koperberg West Ext	KWE049	90098.17	-3281106	1018.95	122.8344	-50	180	OCC	Diamond
Koperberg West Ext	KWE050	90098.07	-3281107	1017.77	145.0848	-71	0	OCC	Diamond
Koperberg West Ext	KWE051	90143.76	-3281103	1017.29	109.1184	-75	180	OCC	Diamond
Koperberg West Ext	KWE052	90143.84	-3281102	1017.3	170.688	-45	180	OCC	Diamond
Koperberg West Ext	KWE053	89793.28	-3281143	1034.1	123.444	-65	180	OCC	Diamond
Koperberg West Ext	KWE054	89701.83	-3281069	1064.74	156.3624	-50	180	OCC	Diamond
Koperberg West Ext	KWE055	89701.78	-3281069	1064.77	199.9488	-55	180	OCC	Diamond
Koperberg West Ext	KWE056	89746.12	-3281057	1059.97	120.0912	-80	180	OCC	Diamond
Koperberg West Ext	KWE057	89656.15	-3281062	1067.32	121.6152	-55	180	OCC	Diamond
Koperberg West Ext	KWE058	89656.13	-3281061	1067.3	304.1904	-50	180	OCC	Diamond

Prospect	Hole ID	Y	X	Z	Depth	Dip	Azimuth	Company	Type
Koperberg West Ext	KWE058D1	89656.11	-3281062	1067.1	146.9136	-70	180	OCC	Diamond
Koperberg West Ext	KWE058D2	89656.11	-3281062	1067.1	304.1904	-70	180	OCC	Diamond
Koperberg West Ext	KWE059	89656.09	-3281061	1067.41	154.2288	-70	180	OCC	Diamond
Koperberg West Ext	KWE060	89496.16	-3281295	1015.95	397.764	-60	180	OCC	Diamond
Koperberg West Ext	KWE061	89793.21	-3281249	1016.77	62.7888	-55	0	OCC	Diamond
Koperberg West Ext	KWE062	89653.35	-3281226	1028.5	160.3248	-55	0	OCC	Diamond
Koperberg West Ext	KWE063	89595.39	-3281206	1032.85	185.0136	-50	0	OCC	Diamond
Koperberg West Ext	KWE064	89595.36	-3281205	1032.84	244.7544	-50	0	OCC	Diamond