

Ionic Leach trial successfully detects mineralisation 500m below surface at Sams Creek



Siren Gold Limited (ASX:**SNG**) (Siren or the **Company**) is pleased to provide an exploration updated on the **Sams Creek Project**.

Highlights

- Sams Creek is an **intrusion-related gold deposit (IRGD**) with mineralisation contained within a porphyry dyke.
- The Sams Creek porphyry dyke (SCD) is over 7kms long, up to 60m thick, and extends down dip for at least 1km.
- The Sams Creek MRE comprises 9.1Mt @ 2.82 g/t Au for 824koz (1.5g/t cut-off), with only around 15% of the SCD drilled to date.
- An interpreted magnetic anomaly below the Main Zone could represent a large felsic intrusion that may be the source of the SCD and gold mineralisation.
- Historic diamond drillholes at the Main Zone includes:
 - DDHSC84019, which intersected **183m @ 2.46g/t Au** from 31m (including eight mineralised sections >2g/t Au with a weighted average of **101m @ 3.39g/t Au**).
 - o DDH84SC016, which intersected 87m @ 4.2g/t Au across 7 high grade intervals.
- A trial lonic Leach soil survey detected the SCD mineralisation over 500m below the surface. This survey will now be extended along the length of the SCD and over the magnetic anomaly to identify additional mineralisation that can be targeted by drilling.

Managing Director Brian Rodan commented:

Siren believes there is significant potential at Sams Creek for a large underground mining operation. The Sams Creek Dyke (SCD) is up to 60m thick, can be traced for over 7kms along strike, has a vertical extent of at least 1km and is open at depth. Drilling to date has focused on a 1km section of the dyke from the Carapace to the Main Zone (Figure 2). The trial Ionic Leach soil sampling program has successfully identified Sams Creek mineralisation 500m below the surface and identified new target areas. This program will now be extended across the whole deposit. We look forward to seeing these results in the coming months.

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Project

Sams Creek Project Reefton Project

Capital Structure

Shares: 134,258,807 Options: 9,293,262



Background

The Sams Creek Gold Project is located 140kms NE of Reefton and 100kms NE of Lyell (Figure 1). The Project comprises two exploration tenements: EP 54454, which is 100% held by Sams Creek Gold Limited (SCGL), a wholly owned subsidiary of Siren, and EP40338, which is 81.9% held by SCGL under a joint-venture agreement with New Zealand's largest gold miner, OceanaGold Limited (OGL), who own the remaining 18.1% interest.

Western New Zealand was originally part of Gondwana and lay adjacent to eastern Australia until around 80 Ma ago. The NW of the South Island of New Zealand comprises an area of predominantly early Paleozoic rocks in broad northerly trending belts which terminate at the Alpine Fault (Figure 1). The Paleozoic sequence is divided into the Buller Terrane, Takaka Central and Takaka Eastern Belts. These belts are interpreted to correspond with the Western, Central and Eastern belts of the Lachlan Fold Belt. The Buller and Western Lachlan belts contain the orogenic gold deposits like Bendigo, Ballarat and Fosterville in Australia and the Reefton and Lyell Goldfields in New Zealand.

The Sams Creek porphyry dyke (SCD) is located in the Eastern Takaka Terrane, which is equivalent to the Eastern Lachlan belt that hosts porphyry copper-gold deposits like Cadia and Ridgeway.

The SCD mineralisation is contained within a hydrothermally altered peralkaline granite porphyry dyke that intrudes the Early Paleozoic metasediments. The dyke is up to 60m thick and can be traced E-W for over 7kms along strike (Figure 2). The SCD generally dips steeply to the north (~600), with gold mineralisation extending down dip for at least 1km and is open at depth (Figure 3).

The SCD has been divided into a number of exploration prospects including Riordans, Western Outcrops, Doyles, SE Traverse, Carapace, Main Zone, Anvil and Barrons Flat. The dyke generally dips steeply to the north but dips more shallowly to the NW and SE between the Carapace and Western Outcrops where it intrudes argillite (Figure 2).



Figure 1. Top of the South Island, geology showing Palaeozoic rocks in green. Adapted from Cooper and Tulloch 1992¹.





Figure 2. Geology of the Sams Creek deposit.

Mineralisation

The geological and geochemical characteristics of the SCD indicate it is a member of the intrusionrelated gold deposits (IRGDs). Globally, there are many examples of where IRGDs contain multi-millionounce resources, including Pogo (5Moz), Donlin Creek (10Moz) Fort Knox (7Moz) in Alaska, Kidston (4Moz), Cadia (15Moz) in Australia and Vasilkovskoe (10Moz) in Kazakhstan (Lang & Baker 2001)².

The Sams Creek porphyry dyke can best be described as a distal deposit (Figure 3) located in the host sediments outside the contact aureole of the source intrusion. These deposits typically have an Au-As-Sb-Hg Zn-Pb-Ag mineral association and may lie over 1km from the source (Figure 3). At structurally higher levels (500mRL to 800mRL) the SCD contains considerably more silver (up 90g/t) with Ag:Au ratios in the order of 30:1 whilst at lower levels (-200mRL to 500mRL) gold dominates silver, with ratios around 0.3:1. Base metals (Zn and Pb) also increase at these lower levels. This most probably reflects increasing proximity to the source intrusion with the top of the dyke showing signs of epithermal style mineralisation.

The porphyry dyke is variably mineralised and has been modified by at least four alteration / mineralisation stages (Angus 2013³). The main gold mineralising event is Stage III where mineralisation consists of irregular to planar gold-bearing arsenopyrite-pyrite±quartz veins (Figure 4c), which form sheeted and local stockwork vein complexes that generally dip to the SE and form moderate-high grade gold zones (Figure 5). Veins vary in thickness from <1mm to 15mm. These veins are cut by later base metal veins up to 15mm thick containing galena, sphalerite, chalcopyrite and pyrite (Figure 4d). These veins do not appear to contain any gold but appear to be associated with the high-grade gold zones. Significant drillhole intersections are shown in Tables 1 and 2.

Two gold mineralising events occurred: The first phase is represented by disseminated gold in arsenopyrite and pyrite grains, and second phase is associated with base metal sulphides infilling



fractures in the arsenopyrite and pyrite grains (Nazimova 2012⁴). The second phase appears to be the dominant mineralising phase. These veins trend down towards the interpreted magnetic anomaly and may represent the feeder system for the mineralising fluids that deposited gold when they intersected the dilational zones in the anticline hinges.

In some of the recent deeper drillholes the Stage III arsenopyrite veins have been cut by Stage IV base metal veins up to 15mm thick (Figure 4d). These veins contain chalcopyrite, galena, sphalerite, and pyrite. These veins dip steeply to the SW orthogonal to the Stage III auriferous veins. The vein orientation and mineralogy changes through Stages II to IV, indicating that the SCD is being rotated and fluid chemistry changing as the mineralisation progresses.

The SCD has been folded into gentle NE plunging folds, with the gold veins preferentially forming in the fold hinges, resulting in NE plunging mineralised shoots as shown in Figure 8 (Jongens 2013⁵). Three folds have been intersected in the Main Zone with additional folds mapped on surface and indicated in the soil and rock chip sampling. These additional mineralised fold hinges have the potential to significantly increase the Sams Creek MRE.







Figure 4: Sams Creek Porphyry Dyke: a) Stage I magnetite–ankerite±biotite alteration, b) Stage II quartz±pyrite, c) Stage III arsenopyrite±pyrite veins, d) Stage IV base metal veins.

Drilling

A total of 137 diamond holes for 20,016m have been drilled at Sams Creek. Drilling has focussed on the 1.5km section of the SCD between SE Traverse and Main Zone (Figure 6) which equates to approximately 20% of the SCD strike and is open at depth. Gold mineralisation is contained in sulphide veins that dip to the SE perpendicular to the dyke as shown by the high-grade purple areas in the cross-sections shown in Figure 5. Drillholes that have been drilled down the dyke are perpendicular to these veins and give the best representation of the gold grade. Diamond hole DDH84SC019 was drilled obliquely down the dyke and intersected 183m @ 2.46g/t Au from 31m if all samples are included (Figure 5). Using an approximate 2g/t cut-off this intersection breaks into 8 sections as shown on Table 1, with a weighted average of 101m @ 3.39g/t Au. Similarly, DDH84SC016 intersected 7 intervals with a weighted average of 87m @ 4.2g/t Au (Table 1).





The top 15 drillhole intersection are included in Table 2 based on a 2g/t cut-off and a minimum of 5m.

Figure 5. SCD cross-sections.

Measured Group (MG) completed an updated MRE in November 2022, which included a maiden MRE for the SE Traverse prospect (*refer to the announcement dated 17 November 2022*). The Sams Creek resource is broken into four spatially separated blocks models; Main Zone, Bobby Dazzler, Carapace and SE Traverse, with separate models produced for each deposit.

The 2022 JORC resource estimate reported 9.1Mt @ 2.82 g/t Au for 824.4koz at a 1.5g/t cut-off (Table 3). This MRE included the maiden estimation of SE Traverse of 1.28Mt @ 3.56 g/t for 146koz. A plan view of the 2022 block models with gold grades is shown in Figure 7 and only represents around 15% of the modelled SCD.





Figure 6. Plan view from SE Travere to Main Zone showing NE trending shoots.



| Hole ID | Prospect | From (m) | To (m) | Interval (m) | Au g/t | Gram metres |
|------------|-----------|----------|--------|--------------|--------|----------------|
| DDH84SC016 | Main Zone | 1.0 | 27.0 | 26.0 | 4.20 | 109 |
| | | 86.0 | 9.0 | 4.0 | 2.45 | 10 |
| | | 93.0 | 100.0 | 7.0 | 5.74 | 40 |
| | | 114.0 | 117.0 | 3.0 | 5.10 | 15 |
| | | 152.0 | 155.0 | 3.0 | 6.88 | 21 |
| | | 161.0 | 200.0 | 39.0 | 3.85 | 150 |
| | | 203.0 | 208.0 | 5.0 | 4.10 | 21 |
| | | | | 87.0 | 4.20 | 366 |
| | | | | | | |
| DDH84SC019 | Main Zone | 61.0 | 67.0 | 6.0 | 4.20 | 25 |
| | | 71.0 | 75.0 | 4.0 | 3.47 | 14 |
| | | 79.0 | 105.0 | 26.0 | 3.25 | 85 |
| | | 131.0 | 137.0 | 6.0 | 7.22 | 43 |
| | | 143.0 | 159.0 | 16.0 | 2.99 | 48 |
| | | 162.0 | 173.0 | 11.0 | 3.25 | 36 |
| | | 177.0 | 200.0 | 23.0 | 2.77 | 64 |
| | | 203.0 | 212.0 | 9.0 | 3.16 | 28 |
| | | | | 101.0 | 3.39 | 342 |

Table 1. DDH84SC16 & DDH84SC19 drillhole intercepts.

SCDDH044

SCDDH045

SCDDH048

SCDDH080

SCDDH088

SCMDH030

Main Zone

Main Zone

Main Zone

Main Zone

Main Zone

Main Zone



| Hole ID | Prospect | From (m) | To (m) | Interval (m) | Au g/t | Gram metres |
|-------------|-----------|----------|--------|--------------|--------|----------------|
| DDH82SC001 | Carapace | 3.6 | 13.1 | 9.5 | 9.50 | 90 |
| DDH84SC015 | Main Zone | 18.0 | 24.0 | 6.0 | 11.11 | 67 |
| DDH84SC016 | Main Zone | 1.0 | 27.0 | 26.0 | 4.20 | 109 |
| DDH84SC016 | Main Zone | 161.0 | 200.0 | 39.0 | 3.85 | 150 |
| DDH84SC016a | Main Zone | 1.2 | 27.0 | 25.8 | 4.41 | 114 |
| DDH84SC019 | Main Zone | 79.0 | 105.0 | 26.0 | 3.25 | 85 |
| DDH84SC019 | Main Zone | 177.0 | 200.0 | 23.0 | 2.77 | 64 |
| DDH84SC025 | Main Zone | 202.0 | 218.0 | 16.0 | 5.37 | 86 |
| DDH86SC036 | Main Zone | 0.0 | 25.5 | 25.5 | 4.78 | 122 |

204.0

108.0

212.0

275.0

153.0

81.0

21.0

32.0

20.0

19.0

9.1

18.0

3.26

3.06

4.36

6.00

8.51

3.79

69

98

87

118

77

68

183.0

76.0

192.0

255.4

143.9

63.0

Table 2. Fifteen top drillhole intercepts (>2g/t Au cut-off, >5m)



Table 3. Sams Creek Mineral Resource Estimate (100% basis).

| | | Total Mine | ral Resources | | |
|---------------|-------------------------|------------|---------------|----------------|----------|
| Prospect | Status | Cut-off | Tonnes (Mt) | Au Grade (g/t) | Au (koz) |
| Main Zone | Indicated | 1.5 | 3.29 | 2.80 | 296 |
| Total | Indicated | - | 3.29 | 2.80 | 296 |
| Main Zone | Inferred | 1.5 | 3.79 | 2.71 | 330 |
| Bobby Dazzler | Inferred | 1.5 | 0.20 | 2.59 | 17 |
| SE Traverse | Inferred | 1.5 | 1.28 | 3.56 | 146 |
| Carapace | Inferred | 0.5 | 0.54 | 2.06 | 36 |
| Total | Inferred | - | 5.81 | 2.83 | 529 |
| Total | Indicated + Inferred | - | 9.1 | 2.82 | 824 |



Figure 7. Image of the 2022 Sams Creek in situ Mineral Resource. Grey area represents the modelled SCD projected from surface.



Aerial Magnetic Survey

Southern Geoscience Consultants (SGC) in Perth completed 3D inversions of the Sams Creek Magnetic/Radiometric survey. Due to the large regional gradients and prevalent remnant magnetism both an ASVI processed dataset and a residual TMI dataset were inverted. A feature of interest that was generated in both datasets, was a deep (300m+) magnetic source that is located directly down dip from the mineralised Sams Creek dyke (Figures 8 and 9). This anomaly may represent a magmatic intrusion, which could be the source of the Sams Creek dyke. This would be consistent with the IRGD interpretation shown in Figure 3.

At deeper levels the SCD may intersect the modelled intrusion, with a potential increase in Bi, Te, W and Mo (Figure 3). Wolframite (Iron-manganese-tungsten oxide) is found in association with pyrite and arsenopyrite at 463.7m in DDHSC069. The wolframite occurs in relatively large grains (up to 1 mm). Wolframite is generally found as an early high-temperature, near-source mineral in granite-associated mineralised systems. Its presence indicates enrichment in tungsten in the hydrothermal fluids and suggests that scheelite may also be present in at Sams Creek (Braithwaite 2012⁶). A molybdenite-mineralised granodiorite porphyry associated with a Cu skarn is located at Copperstain Creek 30kms to the NNW of Sams Creek (Wodzicki, 1972⁷) and could be a correlative of the Sams Creek intrusion.



Figure 8. Arsenic soil geochemistry, SCD wireframe (grey), MRE block model and Magnetic anomaly.





Figure 9. 3D Image of the SCD MRE and magnetic anomaly.

Soil Geochemistry

lonic leach is a proprietary partial leach assay technique designed to explore through post mineral or residual cover. The method can be used to identify buried or blind mineral deposits by examining only part of the chemical signature of the mineralisation.

Samples are collected using prescribed techniques and sent to the laboratory in sealed bags in an ascollected state, instead of being dried and sieved as per normal soil sampling.

An orientation study was conducted in order to determine if Ionic Leach would be able to detect subsurface mineralisation and identify blind shoots. A total of 98 samples including 4 field duplicates were sent to the ALS laboratory in Ireland.

In conventional soil sampling samples are collected from the C-horizon which at Sams Creek is generally 0.5m to 1.0m below the surface. For Ionic Leach a sample is collected immediately below the surface humus layer approximately 0.1m below the surface. Conventional arsenic soil sample results (As ppm) are shown in Figure 11 and Ionic Leach results (As ppb) in Figure 12. The Sams Creek MRE underlies both images.

The conventional arsenic soils identify the outcropping dyke shown by the pink polygon, with areas of down slope dispersion especially around the SE Traverse. However, conventional soils do not detect the subsurface mineralisation shown by the underlying block model.



The Ionic Leach samples shown in Figure 12 were generally taken above the outcropping dyke so there would be no contamination. The arsenic results on the two trial soil lines above the Main Zone clearly shows that the Ionic Leach samples are detecting arsenic mineralisation where the conventional samples do not. It also indicates that there is a shoot at Anvil where a fold hinge has been mapped and rock chips up to 20g/t Au have been returned.

Cross-sections through the Main Zone with conventional and Ionic Leach arsenic results are shown on Figure 10. The conventional soil detects the mineralisation where it outcrops but does not detect the subsurface mineralisation. The Ionic Leach samples appear to detect the subsurface mineralisation represented by the block model to over 500m depth below the surface (Figure 10). This technique can potentially be used to see through the overburden and identify mineralised shoots. The Ionic Leach survey will now be extended along strike and down dip from Riordan's to Barron Flat. The results of this survey will be used to target the next stage of drilling.



Figure 10. Cross-section showing conventional arsenic (ppm) and Ionic Leach (ppb) soils overlying the Sams Creek MRE block model.





Figure 11. Conventional soil sample locations displaying arsenic ppm overlying the Sams Creek MRE block model.



Figure 12. Ionic Leach sample locations displaying arsenic ppb overlying the Sams Creek MRE block model.



Next Steps

Field exploration will continue with additional mapping, ionic leach soil sampling, followed by diamond drilling.

Mapping

Structural mapping has been completed from western Outcrops to Main Zone and will be extended into the Anvil area in the third quarter.

Ionic Leach Soil Sampling

The Ionic Leach survey will now be extended along strike and down dip from Riordan's to Barron Flat this quarter, for a total of around 500 samples.

Diamond drilling

An access agreement with the Department of Conservation (DoC) is in place that allows for 100 drill pads. An Annual Work Program (AWP) is required that outlines the planned drill pads in the next 12 months. The AWP that includes 23 drill pads at Doyles Main Zone and Anvil has been lodged and is currently being reviewed by DoC. Drilling is planned to commence later in the year when the Ionic Leach and structural mapping is completed.

This announcement has been authorised b the Board of Siren Gold Limited.

References

- 1. Tulloch, A.J. 1992. Petrology of the Sams Creek peralkaline granite dike, Takaka, New Zealand. New Zealand Journal of Geology & Geophysics, 1992, Vol 35: 193-200.
- 2. Lang, J.R. and Baker, T. 2001. Intrusion-related gold systems: the present level of understanding. Mineralium Deposita, 2001, Vol 36: 477-489.
- 3. Angus, P.V.M. Jongens, R. Nazomova, Y.U. McCulloch, M.J. Ryan, G. 2013. Sams Creek Porphyry Gold Deposit, Northwest Nelson, New Zealand. NZ AusIMM Conference Proceedings 2013.
- 4. Nazimova, Y.U. 2012. Preliminary Report on the Mineralogical, Petrographic and Geochemical investigation of Sams Creek drill core samples. Internal Sams Creek Gold Ltd Report November 2012.
- 5. Jongens, R. 2013. Structural geology mapping of the Main Zone Prospect, Sams Creek, Northwest Nelson. Internal Sams Creek Gold Ltd Report May 2013.
- 6. Brathwaite, R.L. 2012. Petrographic Examination and Report on Alteration and Mineralisation in Deep Drill Holes at the Sams Creek Project, Northwest Nelson. GNS Consultancy Report 2012/292, November 2012.
- 7. Wodzicki, A, 1972. Mineralogy, geochemistry and origin of hydrothermal alteration and sulphide mineralisation in the disseminated molybdenite and skarn type copper sulphides deposit at Copperstain Creek, Takaka, New Zealand. New Zealand Journal of Geology and Geophysics, 15:599-631.

Enquiries

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Competent Person Statement

The information in this announcement that relates to exploration results is based on, and fairly represents, information and supporting documentation prepared by Mr Paul Angus, a competent person who is a member of the Australasian Institute of Mining and Metallurgy. Mr Angus has a minimum of five years' experience which is relevant to the style of mineralisation and type of deposit under consideration and to the activity which he is undertaking to qualify as a competent person as defined in the 2012 Edition of the Joint Ore Reserves Committee Australasian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves. Mr Angus is a related party of the Company, being the Technical Director, and holds securities in the Company. Mr Angus has consented to the inclusion in this announcement of the matters based on his information in the form and context in which it appears.

APPENDIX 1

The following Table and Sections are provided to ensure compliance with the JORC Code (2012 Edition)

Section 1 - Sampling Techniques and Data

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

| Criteria | 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. | CRA Exploration (CRAE), OceanaGold Corporation (OGC), MOD Resources (MOD) and Sandfire Resources (SFR) have all used similar sampling techniques. Diamond drilling core (DD) drilling was logged to obtain for geological and geotechnical data and samples for assaying and rock strength (unconfined compressive strength - UCS) and density. Downhole geophysical logging wasn't undertaken. DD drilling was used to obtain core samples. Mineralised core was cut in half with diamond saw at 1 m intervals unless determined by lithology e.g. dyke contact areas. Sample length ranged from 0.2 m to 2.9 m. The core samples were pulverised to >95% passing 75 μm to produce a 30 g charge for fire assay for Au. Various multi-element analyses were also undertaken from the DD with at least As, Ag and S analysed. SFR rolled DD into plastic splits from the triple tube spilt at the drill rig and then placed into the core trays. This provided a far better-quality core presentation with the preservation of structures and broken core with less handling of the core. Field and core duplicates, pulp, and repeat analysis were completed by OGC, MOD & SFR as well as checks on older CRAE data to test and ensure sample representativity. CRAE and MOD completed trenching and channel sampling of exposed dyke outcrops taking rockchip or handsaw samples based on 1m basis. CRAE and MOD completed C horizon soil sampling using hand augers or spades. Siren Gold Limited (SNG) completed lonic Leach Geochemistry program using trowel to collect 150g of material 10-15 cm underneath the surface. |
| 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 DD drilling was helicopter supported. DD diameters included PQ (96mm) and HQ (63mm), using a triple tube. NQ was a mixture of NQ (47.6mm) and NQ3 (45.1mm). Most of the drilling was HQ with PQ collars generally limited to depths less than 50m. Earlier CRAE drilling was completed HQ and NQ sizes. MOD used man-portable rig with drillhole ID's SCMDH**** which were drilled using NQ size core. A 15-hole RC drilling program at Barrons Flat was using an 80mm (3.5 inch) face sampling hammer with 1m samples collected. |

| Criteria | Explanation | Commentary |
|---|---|---|
| | | OGC has limited success with orientation spear system. MOD oriented their core using Coretell Ori Shot CNH100 - a digital core orientation system. SFR used Longyear True Core tool. |
| 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. | OGC, MOD & SFR sample recovery was recorded by measuring the length of recovered core and comparing this with the drilled interval. OGC re-logged all the CRAE core and recorded recoveries. The core recovery for the Main Zone and Bobby Dazzler, historically, is approximately 96.6%. The Carapace had higher rates of core loss with the average of 76% recovered. These appears to have no material impact on the results. Increased core loss is observed in the weathered mineralised dyke. SE Traverse recoveries are 83 % in the dyke. |
| 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 drilling has been logged for lithology, weathering, bedding, structure, alteration, mineralisation, and colour using a standard set of in-house logging codes. The logging method is quantitative. MOD and SFR DD was oriented. Structural measurements were recorded during logging. OGC relogged all the CRAE core. Deeper interval has been logged for magnetic susceptibility (MS) using hand-held MS meters. Logging intervals are based on geological boundaries or assigned a nominal length of one metre. Mineralised zones were logged for type, alteration intensity, vein thickness, frequency, angle to long core axis, and mineralogy. Summary geotechnical information was recorded. All core trays were photographed prior to core being sampled. All core is stored in core shed and containers on site in Takaka or in OGC core shed in Reefton, NZ. |
| 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 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. | OGC, MOD & SFR DD sample intervals were physically marked on the core, which was sawn in half lengthways with a diamond core-cutting saw. The core cutting plane was randomly selected, not based on core orientation line or other factors. Where core was too broken to be cut, the broken core was split longways into two equal amounts from the core tray. The resulting half core was taken for the laboratory sample and the remaining core was archived. OGC and MOD completed 5 m grind samples into the hanging wall and footwall to test for mineralisation and waste rock characterisation. The field duplicates, laboratory duplicates and laboratory repeats were collected and assayed with laboratory duplicates. Repeats were found acceptable in comparison with regular laboratory samples. No major issues identified. |

| Criteria | Explanation | Commentary |
|--|--|---|
| | • Whether sample sizes are appropriate to the grain size of the material being sampled. | MOD & SFR took field duplicates and are routinely submitted as half core. Field duplicates were originally DD quarter cuts. This practice caused an issue with repeatability due to the smaller sample size and vein orientation. To address this issue, the remaining quarter core was sampled and the results for the two quarter cuts were average for comparison with the routine sample. |
| | | The DD (2-3 kg) and channel (1-2 kg) sample sizes are considered appropriate to the grain and particle size for representative sampling. |
| | | C horizon geochemistry samples were 300-400g while lonic Leach samples size are 150g. Field duplicated are taken on range of 1:40 to 1:25. |
| 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 | CRAE - DD samples were sent to Service Laboratories in Nelson and AAS analysis was carried out. OGC completed fire assay re-checks on drillholes DDH82SC09 and DDH82SC11 resulting in an average of 10% upgrade in the Au grades. No adjustment was undertaken for CRAE results. For CRAE drilling, the laboratories and methods used are insufficiently recorded in the logs, assay results and reporting. It is unknown if any assay or sampling quality control procedures were consistently undertaken by CRAE. No evidence of standards or blanks is available. |
| | 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. | OGC DD samples were fire assayed and analysed by Aqua Regia digest for Au and LECO digest for sulphur by Amdel Ltd (Amdel) at their Macraes Flat Laboratory, New Zealand. A multielement suite comprising of Ag, As, Bi, Cu, Pb, Zn & Mo was subsequently assayed by ICP-MS and AAS by Amdel in Adelaide, Australia. Grind samples were prepared and assayed at Amdel Macraes Flat. These were assayed for Au & As only. OGC used standards, blanks, laboratory repeats which were recorded in their last drilling programme. |
| | | MOD & SFR DD samples were sent to SGS Waihi, New Zealand, where they were assayed by 30g fire assay with AAS finish. MOD DD multielement analysis was completed by SGS up to SCDDH078. After SCDDH078, multi-element analysis was undertaken by ALS Townsville where a 48-element suite was determined via ICP-MS. ALS has a full QAQC program. SGS laboratories carry a full QAQC program and are ISO 19011 certified. Sample preparation of geological samples by SGS comprises of drying, crushing, splitting (if required) and pulverising to obtain an analytical sample of 250 g with >95% passing 75 µm. Any over limit arsenic samples (>5000ppm) were then tested by XRF method. Drill holes SCDDH056 and SCDDH057 weren't tested for over limited As and recorded as 5000ppm. |
| | | No independent laboratory inspections were carried out during these phases of drilling, sampling and analysis. |
| | | - For each MOD and SFR drill hole QA/QC included: |
| | | • At least 2 Au certified Rocklab standards (CRM). |
| | | I wo blanks. At least one core duplicate (quarter core) and laboratory duplicate per drill hole or every 25 samples. |
| | | Lab repeats are recorded. |
| | | Standards, duplicates and blanks are checked after receiving the results. The QA/QC results have been deemed acceptable. |
| | | - The same process for MOD channel and rock chip samples was used. |

| Criteria | Explanation | Commentary |
|--|--|--|
| | | - SNG lonic samples are analysed by ALS, Ireland by ME-MS23. |
| 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 | CRAE drillhole SCDDH017 was twinned by MOD. The results for the two holes were similar suggesting that the CRAE Au results are acceptable. During MOD and SFR drill programs mineralisation intersection data was inspected and verified independently by the project manager or senior project geologist. The project manager and visited the deposit on average weekly in support of the exploration program. All laboratory assay results were received and stored in both CSV and laboratory signed PDF formats. Data is stored in Microsoft Excel, Leapfrog and Vulcan. Data storage system protocols are basic but robust. All data is stored in a Data room as well as back up on Drop box. The data and future work should be stored and managed on a commercial relational database with inbuilt validation protocols in the future. |
| | | - Quarter core cuts are added together to get the same sample weights per sample interval. |
| Location of data points | Accuracy and quality of surveys used to locate drill holes (collar and down-hole surveys), trenches, mine workings and other locations used in Mineral Resource estimation. Specification of the grid system used. Quality and adequacy of topographic control. | The drillhole collar coordinate (X, Y, Z) are referenced to New Zealand Transverse Mercator 2000 (NZTM). All holes up to SCDDH096 have been picked up by GPS methods and post processed by Golden Bay Surveyors to 0.1m accuracy. SFR drilling from SCDDH097 to SCDDH103 have been picked by handheld GPS Garmin 64. SFR drillholes in the Main Zone are collared within 1m of previous drilling from the same drill pad. A digital terrain model (DTM) was constructed based on LiDAR that was flown by NZ Aerial Surveys in 2011. All drill collars elevations were reconciled with the LiDAR. Downhole surveys are not available for 19 out of 50 CRAE holes and one abandoned OGC hole SCDDH046. Except for one drillhole (DDH84SC16), all the unsurveyed drillholes are less than 120m deep. Hellman report (2007) noted that no significant deviation in azimuth and dip takes place in the first 120m of the surveyed holes. It was therefore considered reasonable to assume that these unsurveyed holes follow the collar Azimuth and dip orientation. The correction used between magnetic north and true north (magnetic declination) was 22° East. MOD and SFR surveyed on average every 30m using a digital downhole tool. SFR used Longyear true shot camera for down hole surveys. Soil and lonic samples sites are located by handheld Garmin GPS. |
| 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. | Drilling in the Main Zone has generally been completed on a 75m spacing with ranges between 50m to 150m. The drill spacing was suggested by drill hole density analysis (Golder, 2012) down to the 50mRL in the Main Zone. Drilling in Bobby Dazzler has spacing with ranging from very closely spaced (5-10 m) where holes are collared in the outcropping dyke up to spacings of between 75-125 m. |

| Criteria | Explanation | Commentary |
|---|--|---|
| | | Drilling directions and distances in the Main Zone and Bobby Dazzler are variable because of the terrain, orientation of the target dyke and the orientation of the mineralisation within the dyke. Multiple drilling orientations have been fanned off single drill pads to make most of pad sites due to access agreement restrictions and the steep and challenging terrain. The Carapace, with a much flatter terrain was drilled on 50m spacing with vertical holes. SE Traverse spacing is approximately 100m. Sample compositing was to 1m which is the dominant sample length. CRAE and MOD soil sample pattern is on 100 x 20m pattern. Ionic sample spacing along the lines is 50m. Line spacing is various. |
| 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. | Many drill holes are collared in the hanging wall to the dyke and are drilled at high angles to the north dipping dyke. These drill holes are better for assessing the Sams Creek porphyry contact and true thickness, however, the holes are often drilled at low angle or sub-parallel to the mineralised suphide veins that dip to the SE. Therefore, these intersections are sub-optimal for resource grade estimation. These drill holes provide more precise estimates of tonnage but do appear to introduce a grade bias due to the angle intersection with the mineralisation zones. Most drill holes intercept at a low angle to the host porphyry and therefore drill down the porphyry but at a higher angle to the general orientation of the mineralisation. These holes appear to be more optimal to delineate grade and possible grade domains. However, with often poorly intact porphyry contacts recovered in the core. These holes are sub-optimal for delineating the geometry of the porphyry. These holes are drilled from both hanging wall footwall of the dyke. This relationship between drillhole orientation and expected benefits has been taken into consideration during drill hole design and implementation. CRAE and MOD Soil lines cut mineralisation at high angles. Ionic Leach intercepts the projected down plunge of the folds which host the high grade shoots at a high angle. |
| Sample security | • The measures taken to ensure sample security. | - Drill samples were securely packaged on site and transported by a courier or by staff with "chain of custody" documentation. Samples were stored in a locked coreshed until despatch. |
| Audits or reviews | • The results of any audits or reviews of sampling techniques and data. | Golder completed an audit as part of the 2013 Mineral Resource Estimation (MRE). Hellman Scofield previously carried out an independent review of the sampling techniques and data. The results were satisfactory. |

Section 2 - Reporting of Exploration Results

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

| Criteria | 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. | Sams Creek project is situated mostly in the Northwest Nelson Conservation Park which lies on the eastern edge of the Kahurangi National Park in northwest Nelson area. The Exploration Permit EP 40338 expires on the 26 March 2025 and is subject to a joint venture with OGC with Siren Gold Ltd (SNG) owning 82%. The eastern neighbouring permit EP 54454 expired on the 25 September 2022. This covers the eastern areas of the Sams Creek Dyke over Barron's Flat into the Waitui catchment. SGL is the sole permit holder of EP 54454. A four-year Appraisal Extension has been applied for. A 1% Crown royalty would apply to EP 40338 and 2% Crown royalty to EP 54454. applicable for any gold or silver production once the Sams Creek permits are converted to mining permits. The Sams Creek permit EP 40338 is also subject to an agreement between Royalco Resources Limited (Royalco) and OGC. Under this agreement, a royalty of 1% of gold produced is deliverable by OGC to Royalco. |
| Exploration done by other parties | Acknowledgment and appraisal of exploration by other parties. | All exploration results in drill holes up to SCDDH103 were produced by: CRAE (1980-1987), OGC (1996-2005), MOD (2010- 2017) and SFR (2019 to 2021). CRAE completed trenching and soil sampling programs where MOD resources completed the CRAE soil sample pattern over Sams Creek and Barrons Flat. OGL completed desk top studies of prospectivity and ore controls. MOD completed structural mapping program over Main Zone, Carapace, SE Traverse and Doyles as well channel sampling. MOD completed a heli magnetic & radiometerics geophysics survey in 2011 with processing and interpretation completed by Southern Geoscience in 2012. |
| Geology | • Deposit type, geological setting and style of mineralisation. | Sams Creek mineralisation is contained within a hydrothermally altered peralkaline granite porphyry dyke that intrudes Early Palaeozoic metasediments. The dyke is up to 60m thick and can be traced east-west along strike for over 7km. The dyke generally dips steeply to the north (-60°), including within the Main Zone and Bobby Dazzler, with gold mineralisation extending down dip for at least 1 km and is open at depth. The geological and geochemical characteristics of the Sams Creek granite dyke indicate it is a member of the intrusion-related gold deposits (IRGD). Within the Carapace and SE Traverse areas the dyke is flat or only gently dipping. The relative positive and geometry of the SE Traverse deposit is thought to have been affected by movement along landslip planes which has displace the dyke to the south-east by ~250m. Gold mineralisation is largely contained within thin (1-15 mm) sheeted quartz-sulphide (T3) veins that crosscut the dyke which strike to the NE and dip predominantly to the SE at around 50°. |

| Criteria | Explanation | Commentary |
|----------|-------------|---|
| | | |
| | | NW-SE section of the Main Zone of Sams Creek Porphyry Dyke showing T2 quartz veining, T3 sulphide veins (GOD 2010). The majority of the gold mineralisation is contained in the T3 veins. |
| | | The Sams Creek dyke was deformed by a D3 event which resulted in gentle upright F3 folds plunging to the NE-ENE. A model is proposed whereby gold-bearing sulphide veins formed along F3 fold hinges and parallel boudin necks of extending fold limbs, perpendicular to the maximum shortening direction. The higher concentrations of veining in these two areas, results in NE plunging mineralised shoots up to 35 m wide and 100 m high separated by zones of lower grade gold mineralisation. |

| Drill hole • A summary of all information material to the understanding of the exploration results including a | Hole ID | Prospect | TD | mE NZTM | mN NZTM | RL | Collar Dip | Collar Azimuth | |
|--|--|-----------|--|---------|------------|------------|---------------|-------------------|-----|
| mormation | tabulation of the following information for all Material | DDH82SC01 | Carapace | 84.10 | 1579751.76 | 5454047.29 | 561.80 | -45 | 121 |
| | drill holes: | DDH82SC02 | Carapace | 117.25 | 1579745.88 | 5454046.20 | 562.99 | -45 | 301 |
| | elevation or RL (Reduced Level - elevation above sea | DDH82SC04 | Carapace | 19.50 | 1579805.43 | 5454054.39 | 555.60 | -45 | 066 |
| | level in metres) of the drill hole collar | DDH82SC05 | Carapace | 8.35 | 1579803.67 | 5454053.63 | 555.90 | -45 | 261 |
| | dip and azimuth of the noie down hole length and interception depth | SCDDH086 | Carapace | 15.40 | 1579983.75 | 5454350.66 | 329.18 | -90 | 000 |
| | hole length. | SCMDH001 | Carapace | 8.80 | 1580030.78 | 5454375.62 | 289.54 | -90 | 022 |
| | If the exclusion of this information is justified on the basis that the information is not Material and this | SCMDH002 | Carapace | 9.70 | 1580062.49 | 5454313.14 | 336.10 | -90 | 022 |
| | exclusion does not detract from the understanding of | SCMDH003 | Carapace | 20.10 | 1580142.15 | 5454430.99 | 244.39 | -90 | 022 |
| | the report, the Competent Person should clearly | SCMDH004 | Carapace | 20.20 | 1580142.15 | 5454430.99 | 244.39 | -90 | 022 |
| | | SCMDH005 | Carapace | 21.14 | 1580142.15 | 5454430.99 | 244.39 | -90 | 022 |
| | | SCMDH007 | Carapace | 20.00 | 1580142.15 | 5454430.99 | 244.39 | -90 | 022 |
| | | SCMDH008 | Carapace | 57.40 | 1580066.92 | 5454350.72 | 311.20 | -90 | 022 |
| | | SCMDH010 | Carapace | 12.50 | 1580120.96 | 5454360.59 | 287.89 | -90 | 022 |
| | | SCMDH011 | Carapace | 22.90 | 1579861.26 | 5454417.15 | 398.50 | -90 | 022 |
| | | SCMDH012 | Carapace | 25.00 | 1579947.31 | 5454269.16 | 399.11 | -90 | 022 |
| | | SCMDH013 | Carapace | 25.90 | 1579947.56 | 5454268.69 | 399.10 | -90 | 022 |
| | | SCMDH014 | Carapace | 19.80 | 1580102.56 | 5454509.75 | 231.69 | -90 | 022 |
| | | SCMDH015 | Carapace | 15.00 | 1579492.30 | 5453580.20 | 495.70 | -90 | 022 |
| | | SCMDH016 | Carapace | 17.70 | 1579702.20 | 5453605.20 | 461.00 | -90 | 022 |
| | | SCMDH017 | 7 Carapace 14.10 1580144.52 5454430.15 | 244.05 | -90 | 022 | | | |
| | | SCMDH018 | Carapace | 18.40 | 1580144.52 | 5454430.15 | 244.05 | -90 | 022 |
| | | SCMDH019 | Carapace | 14.00 | 1580328.24 | 5454452.07 | 326.99 | -90 | 022 |
| | | SCMDH020 | Carapace | 23.00 | 1580333.01 | 5454451.76 | 326.86 | -90 | 022 |
| | | SCMDH021 | Carapace | 26.00 | 1580548.95 | 5454370.76 | 226.23 | -90 | 022 |
| | | SCMDH022 | Carapace | 28.10 | 1580103.91 | 5454507.11 | 232.01 | -90 | 022 |
| | | SCMDH025 | Carapace | 22.60 | 1580102.81 | 5454510.59 | 231.08 | -90 | 022 |
| | | SCMDH026 | Carapace | 25.00 | 1580331.48 | 5454451.19 | 327.58 | -90 | 022 |
| | | SCMDH027 | Carapace | 30.30 | 1580145.59 | 5454649.07 | 244.64 | -90 | 022 |
| | | DDH82SC11 | Main Zone | 98.30 | 1580145.24 | 5454649.52 | 244.40 | -50 | 121 |
| | | DDH83SC12 | Main Zone | 42.00 | 1580145.07 | 5454649.86 | 244.34 | -50 | 151 |
| | | DDH83SC13 | Main Zone | 119.60 | 1579981.74 | 5454350.20 | 330.92 | -53 | 331 |

| Ma | Main | Zone | 2 | 211.70 | 158 | 80413.69 | 5454 | 1471.91 | 279.0 | 0 | -55 | 331 |
|-----|------|------|----|--------|-----|----------|------|---------|-------|---|-------|-----|
| Ma | Main | Zone | | 32.90 | 158 | 80411.80 | 5454 | 1472.91 | 279.0 | 0 | -45 | 311 |
| Ma | Main | Zone | | 26.70 | 158 | 80411.68 | 5454 | 1473.38 | 279.0 | 0 | -90 | 061 |
| Ma | Main | Zone | | 28.90 | 158 | 80212.74 | 5454 | 1526.24 | 293.6 | 5 | -70 | 331 |
| Ma | Main | Zone | | 62.40 | 158 | 80212.60 | 5454 | 1525.94 | 293.6 | 5 | -60 | 321 |
| Ma | Main | Zone | 2 | 239.10 | 157 | /9992.18 | 5454 | 407.17 | 321.6 | 7 | -45 | 331 |
| Ma | Main | Zone | 2 | 200.40 | 157 | 9992.05 | 5454 | 1407.57 | 321.9 | 3 | -65 | 151 |
| Ma | Main | Zone | 1 | 166.50 | 157 | 9861.26 | 5454 | 4417.15 | 398.5 | 0 | -60 | 331 |
| Ma | Main | Zone | 2 | 250.15 | 157 | 9992.00 | 5454 | 408.00 | 322.1 | 3 | -47.5 | 331 |
| Ma | Main | Zone | 2 | 200.20 | 157 | 9991.00 | 5454 | 407.00 | 322.7 | 5 | -90 | 061 |
| Ma | Main | Zone | | 16.80 | 158 | 80304.83 | 5454 | 4606.87 | 394.8 | 8 | -45 | 151 |
| Ma | Main | Zone | 2 | 203.00 | 158 | 80305.81 | 5454 | 4607.14 | 394.7 | 1 | -45 | 151 |
| Mai | Main | Zone | 1 | 195.80 | 158 | 80411.65 | 5454 | 1473.39 | 281.1 | 2 | -65 | 242 |
| Ma | Main | Zone | 2 | 206.00 | 158 | 80412.41 | 5454 | 1472.57 | 280.1 | 7 | -67 | 152 |
| Ma | Main | Zone | 2 | 288.00 | 158 | 80327.38 | 5454 | 4517.53 | 360.7 | 7 | -50 | 332 |
| Mai | Main | Zone | 3 | 329.30 | 158 | 80216.03 | 5454 | 1526.78 | 292.7 | 7 | -73 | 331 |
| Mai | Main | Zone | 1 | 148.85 | 158 | 80324.51 | 5454 | 1519.41 | 361.0 | 2 | -60 | 09 |
| Ma | Main | Zone | 2 | 248.70 | 158 | 80413.06 | 5454 | 1473.04 | 279.8 | 0 | -75 | 31 |
| Ma | Main | Zone | 65 | 352.65 | 158 | 80411.29 | 5454 | 1472.18 | 281.1 | 8 | -60 | 15 |
| Mai | Main | Zone | 3 | 316.70 | 158 | 80449.57 | 5454 | 1445.29 | 239.0 | 9 | -65 | 11 |
| Mai | Main | Zone | 4 | 410.85 | 158 | 80411.28 | 5454 | 1471.66 | 281.0 | 6 | -90 | 02 |
| Mai | Main | Zone | 1 | 173.75 | 158 | 80258.40 | 5454 | 1468.30 | 289.2 | 5 | -63 | 32 |
| Mai | Main | Zone | 1 | 155.70 | 158 | 80331.90 | 5454 | 1453.30 | 328.0 | 5 | -66 | 17 |
| Mai | Main | Zone | 2 | 274.30 | 158 | 80142.40 | 5454 | 1432.20 | 244.0 | 0 | -80 | 330 |
| Mai | Main | Zone | 3 | 344.00 | 158 | 80331.70 | 5454 | 1450.70 | 327.5 | 0 | -65 | 337 |
| Mai | Main | Zone | 2 | 289.60 | 158 | 80105.80 | 5454 | 4507.40 | 230.5 | 5 | -75 | 010 |
| Mai | Main | Zone | 2 | 203.00 | 158 | 80204.10 | 5454 | 4416.20 | 211.5 | 0 | -90 | 01 |
| Mai | Main | Zone | 1 | 155.00 | 157 | 9815.10 | 5453 | 3977.90 | 537.1 | 0 | -85 | 33 |
| Mai | Main | Zone | 3 | 338.30 | 158 | 80103.80 | 5454 | 1505.30 | 232.3 | 0 | -70 | 34 |
| Mai | Main | Zone | 3 | 305.00 | 157 | 9863.00 | 5454 | 4418.00 | 398.3 | 5 | -80 | 35 |
| Mai | Main | Zone | 3 | 315.30 | 158 | 80106.00 | 5454 | 1503.00 | 230.5 | 0 | -70 | 00 |
| Mai | Main | Zone | 1 | 110.50 | 158 | 80105.50 | 5454 | 1502.50 | 231.5 | ٥ | -65 | 120 |
| Ma | Main | Zone | 5 | 596.00 | 157 | 9859.00 | 5453 | 3759.00 | 462.9 | 0 | -84 | 34 |

| 5 | 1579 | 9799.00 | 5453 | 3635.00 | 430.38 | -79 | 046 |
|----|------|----------|------|---------|--------|-----|-----|
| 0 | 1579 | 9574.00 | 5453 | 3562.00 | 481.85 | -68 | 020 |
| 5 | 1579 | 9384.00 | 5453 | 3560.00 | 487.00 | -90 | 000 |
| 0 | 1579 | 9837.00 | 5453 | 3799.00 | 494.00 | -84 | 020 |
| 0 | 1580 | 80105.50 | 5454 | 4502.50 | 231.50 | -78 | 079 |
| 0 | 1580 | 80105.50 | 5454 | 4502.50 | 231.50 | -83 | 300 |
| 0 | 1580 | 80105.50 | 5454 | 4502.50 | 231.50 | -77 | 027 |
| 0 | 1579 | 9782.00 | 5453 | 3730.00 | 483.00 | -73 | 322 |
| 0 | 1579 | 9715.00 | 5453 | 3665.00 | 481.00 | -67 | 000 |
| 0 | 1579 | 9620.00 | 5453 | 3630.00 | 493.00 | -68 | 263 |
| 0 | 1579 | 9520.00 | 5453 | 3625.00 | 506.00 | -83 | 309 |
| 20 | 1579 | 9766.67 | 5454 | 4045.66 | 559.24 | -78 | 000 |
| 0 | 1579 | 9854.36 | 5454 | 4071.29 | 543.58 | -90 | 089 |
| 0 | 1579 | 9965.34 | 5454 | 4056.71 | 509.17 | -55 | 200 |
| 0 | 1579 | 9864.92 | 5454 | 4005.83 | 536.78 | -75 | 015 |
| 0 | 1579 | 9748.53 | 5453 | 3972.24 | 551.46 | -75 | 050 |
| 0 | 1579 | 9724.23 | 5454 | 4045.42 | 567.53 | -66 | 285 |
| 0 | 1579 | 9704.12 | 5454 | 4080.48 | 579.09 | -77 | 042 |
| 0 | 1579 | 9762.60 | 5454 | 4015.29 | 559.03 | -69 | 335 |
| 0 | 1579 | 9718.72 | 5454 | 4012.05 | 566.97 | -63 | 325 |
| 0 | 1579 | 9814.31 | 5453 | 3979.10 | 537.50 | -72 | 070 |
| 0 | 1579 | 9898.58 | 5454 | 4029.57 | 533.86 | -75 | 050 |
| 0 | 1579 | 9816.30 | 5454 | 4069.46 | 551.60 | -76 | 033 |
| 0 | 1579 | 9882.48 | 5454 | 4067.22 | 530.23 | -90 | 022 |
| 0 | 1579 | 9719.86 | 5453 | 3957.02 | 554.00 | -65 | 045 |
| 20 | 1579 | 9774.60 | 5453 | 3980.71 | 547.66 | -65 | 045 |
| 0 | 1579 | 9821.33 | 5454 | 4028.89 | 544.74 | -90 | 022 |
| 0 | 1579 | 9922.45 | 5454 | 4037.28 | 525.88 | -45 | 151 |
| 0 | 1579 | 9730.39 | 5454 | 4066.94 | 567.04 | -70 | 151 |
| 0 | 1579 | 9692.10 | 5454 | 4028.36 | 575.46 | -80 | 150 |
| 0 | 1579 | 9705.06 | 5453 | 3989.10 | 566.42 | -80 | 150 |
| 0 | 1579 | 9870.32 | 5454 | 4025.44 | 540.59 | -80 | 150 |
| 0 | 1579 | 9684.70 | 5454 | 4050.00 | 579.20 | -80 | 150 |

| Criteria | Explanation | Commentary | | | | | | | | |
|--------------------------------|--|--------------------------------|---|------------------------------------|--|---|-------------------------------|----------|--------------|----------|
| | | SCDDH096 | SE Traverse | 55.20 | 1579684.10 | 5454012.00 | 576.00 | -80 | 150 | |
| | | SCDDH100 | SE Traverse | 63.60 | 1580153.30 | 5454474.40 | 220.75 | -90 | 000 | |
| | | SCDDH101 | SE Traverse | 54.70 | 1580154.90 | 5454474.70 | 220.30 | -90 | 000 | |
| | | SCDDH102 | SE Traverse | 32.50 | 1580178.80 | 5454436.60 | 219.85 | -90 | 000 | |
| | | SCDDH103 | SE Traverse | 82.90 | 1579943.30 | 5454313.80 | 374.65 | -90 | 000 | |
| | | DDH82SC06 | Bobby Dazzler | 93.00 | 1579839.27 | 5454190.35 | 486.33 | -90 | 000 | |
| | | DDH82SC07 | Bobby Dazzler | 29.70 | 1579845.94 | 5454194.86 | 486.33 | -45 | 036 | |
| | | DDH82SC08 | Bobby Dazzler | 48.60 | 1579845.05 | 5454194.30 | 486.54 | -55 | 036 | |
| | | DDH82SC09 | Bobby Dazzler | 80.20 | 1579844.51 | 5454193.56 | 486.71 | -50 | 015 | |
| | | DDH83SC14 | Bobby Dazzler | 65.15 | 1579822.99 | 5454280.06 | 430.47 | -45 | 151 | |
| | | DDH83SC15 | Bobby Dazzler | 27.40 | 1579882.77 | 5454224.60 | 460.88 | -45 | 331 | |
| | | DDH83SC15A | Bobby Dazzler | 37.20 | 1579882.82 | 5454224.34 | 460.89 | -45 | 321 | |
| | | DDH83SC15B | Bobby Dazzler | 108.60 | 1579883.24 | 5454224.10 | 460.43 | -55 | 321 | |
| | | DDH84SC20 | Bobby Dazzler | 250.45 | 1579646.48 | 5454144.66 | 562.40 | -55 | 151 | |
| | | DDH84SC24 | Bobby Dazzler | 250.00 | 1579710.29 | 5454236.03 | 510.66 | -45 | 151 | |
| | | SCDDH043 | Bobby Dazzler | 129.40 | 1579884.46 | 5454222.81 | 459.55 | -57 | 344 | |
| | | SCDDH051 | Bobby Dazzler | 250.85 | 1579781.35 | 5454326.46 | 420.21 | -70 | 201 | |
| | | SCDDH052 | Bobby Dazzler | 156.00 | 1579791.65 | 5454476.70 | 462.07 | -80 | 151 | |
| | | SCDDH053 | Bobby Dazzler | 186.70 | 1579791.65 | 5454476.70 | 462.07 | -80 | 151 | |
| | | SCDDH085 | Bobby Dazzler | 55.00 | 1579869.20 | 5454300.40 | 400.10 | -80 | 315 | |
| | | SCDDH087 | Bobby Dazzler | 64.00 | 1579785.30 | 5454211.80 | 477.20 | -75 | 145 | |
| | | SCMDH009 | Bobby Dazzler | 51.70 | 1579755.25 | 5454129.90 | 533.44 | -90 | 000 | |
| 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 | - Drilling hence - Grade | g results preser e, any potential es are not cut in | nted have sample le the data | e used a weig ength bias ha base or pres | hted average as been acco enting result | e when pr ounted for s. | esenting | drilling int | ercepts, |

| Criteria | Explanation | Commentary |
|--|---|--|
| Relationship between mineralisation widths and intercept length | 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'). | All drill hole results are report as downhole intercepts. In the Main Zone and Bobby Dazzler with steep dipping dyke and drilling in steep terrain the drilling was designed to either intercept mineralisation at higher angle which mean some holes intercepted the dyke's contacts at a low angle or intercept the dyke at high angle and potential mineralisation at low angle. Drilling into the flatter lying Carapace and SE Traverse with vertical holes appeared to intercept both the dyke contacts at high angles and the mineralisation to both delineate dyke's geometry and mineralisation. True thicknesses have estimated from Leapfrog or Vulcan geology model which was updated as drilling progresses during MOD and SFR programmes. |
| 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. | - Relevant diagrams have been included within the main body of the announcement. |
| Balanced reporting | • Where comprehensive reporting of all Exploration Results is not practicable, representative reporting of both low and high grades and/or widths should be practiced to avoid misleading reporting of Exploration Results. | - N/A |
| 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. | - N/A |
| Further work | The nature and scale of planned further work (e.g. tests for lateral extensions or depth extensions or large-scale step-out drilling). Diagrams clearly highlighting the areas of possible extensions, including the main geological interpretations and future drilling areas, provided this information is not commercially sensitive. | Recommendations for further work are included in the Sams Creek Mineral Estimate Resource report. |

Section 3 - Estimation and Reporting of Mineral Resources

| Criteria | Explanation | Commentary |
|------------------------------|--|---|
| Database integrity | Measures taken to ensure that data has not been corrupted by, for example, transcription or keying errors, between its initial collection and its use for Mineral Resource estimation purposes. Data validation procedures used. | Database is stored Microsoft Excel which has been validated by Measured Group using software (Leapfrog Geo). Random spot checks were completed between database and hard copies. |
| Site visits | Comment on any site visits undertaken by the Competent Person and the outcome of those visits. If no site visits have been undertaken indicate why this is the case. | - Due to complications resulting from the Covid pandemic, the Competent Person was unable to visit the site in person. However, two MG geologists, including the lead technical director, visited the site in October 2022. The site visit included reviewing SNG core that was available on site as well as the ground over the mineral resource area which, involved spot checks on collar survey details and observations of mineralisation in the field. Core from known ore grade intercepts was inspected to confirm mineralisation style as well as inspected host rock material. Extensive notes were prepared |
| Geological interpretation | Confidence in (or conversely, the uncertainty of) the geological interpretation of the mineral deposit. Nature of the data used and of any assumptions made. The effect, if any, of alternative interpretations on Mineral Resource estimation. The use of geology in guiding and controlling Mineral Resource estimation. The factors affecting continuity both of grade and geology. | Geological interpretation based on available field mapping data, structural mapping, drillhole lithology and grade data. Modelling was completed using Leapfrog Geo modelling software. Wireframing and geological modelling was carried out by Measured Group and reviewed by SNG. Mineralisation is contained exclusively within the porphyry dyke, however there are extensive zones, particularly in the steeply dipping fold limbs of Main Zone, where extensive very low grade material is present within some drillholes that has previously been included within the modelled wireframe due to the modelling process employed (hanging wall and footwall snapped to first occurrence of an assay sample >0.1 g/t Au). |

(Criteria listed in section 1, and where relevant in section 2, also apply to this section.)

| Colder 2021 MRE Main Zone wireframe showing extensive low grade Au interval wireframe modelling process, however in some areas where mineralisation or patchy with drillinoles, the modelling decologist discretion was applied in the modelling coress. Nonveyor in some areas where mineralisation or patchy with drillinoles, the modelling doc do an application undergot in the modelling coress. Nonveyor in some areas where mineralisation or patchy with drillinoles, the modelling doc doc and onlice undergot in the modelling coress. Nonveyor in some areas where mineralisation or patchy with drillinoles, the modelling doc doc and onlice undergot in the modelling coress. Nonveyor in some areas and the mineralisation or patchy with drillinoles, the modelling doc and doc doc doc doc doc doc doc doc doc do | als included Main Zone, the es of low grade he overall grade s a guide for the was particularly in excluding or anding and ore |
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| Criteria | Explanation | Commentary |
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| | | MG 2022 MRE Main Zone wireframe. Red intervals are 0.75 g/t Au composites The Main Zone deposit was separated into 2 geological domains prior to estimation, East and West. |
| | | cut by a pseudo-fault surface, |
| | | The western extent of the Main Zone wireframe is controlled by the Bobby Dazzler fault which was modelled and provided to MG by SNG. The deposit is open at depth and along strike to the east. |
| | | Within the Carapace and SE Traverse areas, the mineralised intervals with the dyke are generally thinner than Main Zone and include much less internal waste, so interval selection for wireframing was reasonably simple. For Carapace, due to it being an open- cut target, composite intervals of 0.25 g/t and in SE Traverse composite intervals of 0.75 g/t were used to guide interval selection, however the modelling geologists discretion was again applied in excluding or including certain intervals in based on geological understanding and ore body continuity. |

| Criteria | Explanation | Commentary | | | |
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| | | The Carapace deposit is truncated to the north, east and south by topography. The dyke is thought to continue along strike to the west leading into the Bobby Dazzler and Doyles prospect areas. SE Traverse wireframe outcrops against topography to the south and is otherwise truncated by the SE Traverse slip plane on all other sides, This has been modelled based on drillhole intercepts and field mapping data. Bobby Dazzler is located west of the Bobby Dazzler fault from the Main Zone and has a similar geometry in that it is dipping to the north although less steeply that Main Zone. The deposit is open at depth and along strike to the west leading into the Doyles and Western Outcrops areas. The modelled mineralised wireframe is contiguous with the Carapace to the south where the dyke enters a fold anticline. A dummy fault surface was used to define the boundary between the Bobby Dazzler and Carapace deposit areas. The drill spacing provided confidence in the interpretation and continuity of grade and professional structures. | | | |
| Dimensions | • The extent and variability of the Mineral Resource expressed as length (along strike or otherwise), plan width, and depth below surface to the upper and lower limits of the Mineral Resource. | The mineral resource is split into 3 areas; Main Zone, Carapace and SE Traverse. relative wireframe dimensions and variability in terms of continuity of each depos characterised in the table below: | | | |
| | | Prospect Dimensions (LxWxD expressed in metres) | Comments on variability | | |
| | | Main Zone950x590x80striking089° and dipping 55°to 359° | Open at depth and to the east | | |
| | | Carapace 425x100x10 striking 012° and dipping 14° to 102° | Outcrops at surface. Deposit truncated by topography to north, east and south. Continues at depth to west. | | |
| | | SE Traverse 830x240x10 striking 070° and dipping 5° to 340° | Displaced slumped landslip block. Dyke truncated by slip plane and topography. | | |
| | | Bobby Dazzler450x200x10striking 095° and dipping 35° to 005° | Open at depth and to the west | | |
| Estimation and modelling techniques | The nature and appropriateness of the estimation technique(s) applied and key assumptions, including treatment of extreme grade values, domaining, interpolation parameters and maximum distance of extrapolation from data points. If a computer assisted estimation method was chosen include a description of computer software and parameters used. The availability of check estimates, previous estimates and/or mine production records and | For this resource estimate, MG has Geological interpretation and wirefu Hard boundary compositing in Leap Variography and Ordinary Kriging i Block Model Estimation in Leapfrog Composites were based on 1 m co | e completed the following: raming in Leapfrog Geo pfrog - Edge Module (Leapfrog Edge); in Leapfrog Edge; and g. mposites. | | |

| Criteria | Explanation | Commentary |
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| | whether the Mineral Resource estimate takes appropriate account of such data. The assumptions made regarding recovery of by-products. Estimation of deleterious elements or other non-grade variables of economic significance (e.g. sulphur for acid mine drainage characterisation). In the case of block model interpolation, the block size in relation to the average sample spacing and the search employed. Any assumptions behind modelling of selective mining units. Any assumptions about correlation between variables. Description of how the geological interpretation was used to control the resource estimates. Discussion of basis for using or not using grade cutting or capping. The process of validation, the checking process used, the comparison of model data to drill hole data, and use of reconciliation data if available. | Outlier grades were assessed by reviewing composite histograms of gold grade for each individual wireframe. Extreme outlier grades weren't identified, and it was determined that no top-cut was required Estimation domains were created for each deposit area. The Main Zone deposit was split into two domain areas, East and West. The two Main Zone domains were set to have a soft boundary between the dyke in the two domains but hard boundary for the contact with the host rock. Carapace and SE Traverse were treated as hard boundary domains as they were picked from drilling assays. The Bobby Dazzler domain was set to have a soft boundary with the contiguous Carapace deposit with a 20 m range but a hard boundary for the contact with the host rock. Individual domain search distances, number of passes, minimum and maximum sample numbers are outlined in the Sams Creek Mineral Estimate Report. Previous mineral resource estimates have been conducted on the Sams Creek project including 2013 and 2021 estimates carried out by Golder Associates. These block models have been made available to MG during the resource estimate work. Previous resource estimates have used ordinary kriging estimation. To confirm the appropriateness of this technique both inverse distance and nearest neighbour were estimated as comparison. Comparing these through Leapfrog's Swath Plots function it was determined that the Ordinary Kriging showed the most representative estimator for the underlying composited data. Swath plots for each area are shown in the final Mineral Estimate Report. Block model validation included block statistics review, swath plots, visual inspection of grade distribution against composites, as well as sensitivities to block size and estimation |
| | | Test work completed to date indicates that recoveries from 80 to 90% are achievable from Sams Creek material. The work completed at this stage is preliminary. Further test work is required. |
| | | Arsenic is shown to be weakly to moderately positively correlated with gold grades and typical of refractory gold-pyrite-arsenopyrite mineralisation. No considerations were made for the estimation of deleterious elements at this stage until SNG has completed its recovery test work. |
| | | - Block sizes for each of the model areas are: |
| | | 10m x 10m x 5m with a subblock down to 1.25m x 1.25m x 0.625m |
| | | Each block model has no rotation or dip applied. Each of the estimation parameters for each wireframe within the deposits was applied to the parent block of that block model. A detailed summary of block model variables and dimensions is outlined in the Sams Creek Mineral Estimate Report. |
| | | - As only gold is estimated in this mineral resource, no variables are correlatable. |
| | | The geological modelling of the dyke for each deposit were used as sub-block triggers within the block model to ensure the block model estimation was representing the 3D wireframes. |

| Criteria | Explanation | Commentary |
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| Moisture | • Whether the tonnages are estimated on a dry basis or with natural moisture, and the method of determination of the moisture content. | All tonnages are based on dry bulk density measures. The median of the bulk density measures was assigned to the block by mineralisation and weathering domains. |
| Cut-off parameters | • The basis of the adopted cut-off grade(s) or quality parameters applied. | The resource model is constrained by assumptions about economic cut-off grades. The Main Zone, SE Traverse resources are based on a 1.85 g/t Au cut-off grade. Bobby Dazzler resources are reported at cut-off grades between 1.0 and 2.0 g/t Au Carapace resource is based on a 0.5 g/t cut-off grade. |
| Mining factors or assumptions | • Assumptions made regarding possible mining methods, minimum mining dimensions and internal (or, if applicable, external) mining dilution. It is always necessary as part of the process of determining reasonable prospects for eventual economic extraction to consider potential mining methods, but the assumptions made regarding mining methods and parameters when estimating Mineral Resources may not always be rigorous. Where this is the case, this should be reported with an explanation of the basis of the mining assumptions made. | The resource has been estimated based on an assumption of underground mining for the Main Zone, Bobby Dazzler (sub-level open stoping or cut and fill) and SE Traverse (room and pillar) prospect areas. Carapace is thought to potentially be a target for small scale open-cut extraction and resource estimation has been conducted based on that assumption. |
| Metallurgical factors or assumptions | • The basis for assumptions or predictions regarding metallurgical amenability. It is always necessary as part of the process of determining reasonable prospects for eventual economic extraction to consider potential metallurgical methods, but the assumptions regarding metallurgical treatment processes and parameters made when reporting Mineral Resources may not always be rigorous. Where this is the case, this should be reported with an explanation of the basis of the metallurgical assumptions made. | Cyanidation testwork completed on six oxide bulk samples by CRAE resulted in Au recoveries of 85-95%. Testwork was completed on fresh sulphide mineralisation at the start of 2004 by OGC to characterise the metallurgical behaviour of Sams Creek sulphide mineralisation. The recoveries from this testwork are summarised as: <i>Direct Leach: 79-87% gold recovery</i> <i>Float and then leach: 73-86% gold recovery</i> <i>Float and cid leach: 83-91% gold recovery</i>. Testwork completed to date indicates that recoveries from 80 to 90% are achievable from Sams Creek material. The work completed at this stage is preliminary. Further test work is required. |
| Environmental factors or assumptions | Assumptions made regarding possible waste and process residue disposal options. It is always necessary as part of the process of determining reasonable prospects for eventual economic extraction to consider the potential environmental impacts of the mining and processing operation. While at this stage the determination of potential environmental impacts, particularly for a greenfields project, may not always be well advanced, the status of early consideration of these potential environmental impacts should be reported. Where | - The Sams Creek project predominantly lies within the NW Nelson Forest Park administered by the Department of Conservation (DoC). The Reefton open cut gold mine 100 km to the SW, which has been successfully operated by OGC between 2007 and 2016 is also contained within a Forest Park administered by DoC. The area is generally covered with beech forest with native scrub and sub-alpine grasslands. Some of the beech forest has been logged, with other areas burned and grazed. The current plan is to mine by underground methods with decline access from private land at Barrons Flat. Disturbance to the DoC estate would be limited to a small open pit at Carapace and vent raises which require a cleared area similar to a drill pad (10mx10m). |

| Criteria | Explanation | Commentary |
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| | these aspects have not been considered this should be reported with an explanation of the environmental assumptions made. | SNG has an Access Agreement with DoC which allows for 100 drill pads and several camps and helicopter landing sites. |
| Bulk density | Whether assumed or determined. If assumed, the basis for the assumptions. If determined, the method used, whether wet or dry, the frequency of the measurements, the nature, size and representativeness of the samples. The bulk density for bulk material must have been measured by methods that adequately account for void spaces (vugs, porosity, etc.), moisture and differences between rock and alteration zones within the deposit. Discuss assumptions for bulk density estimates used in the evaluation process of the different materials. | The dry bulk density values used in the resource model were assigned using the median values of the available data. The bulk density data was separated into the porphyry that hosts the mineralisation and other waste rock. These density values were then divided by oxide and fresh rock. A median of 2.70 t/m³ and 2.59 t/m³ were used for fresh and oxide porphyry respectively. Sams Creek density assignment is based on a density assessment completed in 2011-2013. Density samples are routinely collected during logging of diamond drill core. Specific Gravity (SG) is calculated using the following formula: Weight in Air (Weight in Air - Weight in water) = SG. |
| Classification | The basis for the classification of the Mineral Resources into varying confidence categories. Whether appropriate account has been taken of all relevant factors (i.e. relative confidence in tonnage/grade estimations, reliability of input data, confidence in continuity of geology and metal values, quality, quantity and distribution of the data). Whether the result appropriately reflects the Competent Person's view of the deposit. | The resource classification accounts for all relevant factors. Two methods were used to determine the optimal drill spacing between boreholes for resource classification at the Sams Creek Project. These were: Variogram methodology which analyses the different proportions of the sill; An estimation variance methodology. The data spacing and distribution is sufficient to establish geological and grade continuity appropriate for Mineral Resource estimation and classification and the results appropriately reflect the Competent Person's view of the deposit. |
| Audits or reviews. | • The results of any audits or reviews of Mineral Resource estimates. | - Internal audits by MG and company audits were completed |
| Discussion of relative accuracy/ confidence | Where appropriate a statement of the relative accuracy and confidence level in the Mineral Resource estimate using an approach or procedure deemed appropriate by the Competent Person. For example, the application of statistical or geostatistical procedures to quantify the relative accuracy of the resource within stated confidence limits, or, if such an approach is not deemed appropriate, a qualitative discussion of the factors that could affect the relative accuracy and confidence of the estimate. The statement should specify whether it relates to global or local estimates, and, if local, state the relevant tonnages, which should be relevant to technical and economic evaluation. Documentation | The estimates made in this report are global estimates. Local block model estimates, or grade control estimates, whose block grades are to be relied upon for selection of ore from waste at the time of mining will require additional drilling and sampling of blast holes. Confidence in the relative accuracy of the estimates is reflected in the classification of estimates as Indicated and Inferred. Variography was completed for Gold and used to influence the resource classification. The variogram models were interpreted as being isotropic along the plane of vein mineralisation, with shorter ranges perpendicular to this plane of maximum continuity. Validation checks have been completed on raw data, composited data, model data and Resource estimates. The model validations checked to ensure data honouring. The validated data consists of no obvious anomalies which are not geologically sound. |

| Criteria | Explanation | Commentary |
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| | should include assumptions made and the procedures used. These statements of relative accuracy and confidence of the estimate should be compared with production data, where available. | The mineralised zones are based on actual intersections. These intersections are checked against the drill hole data. Field geologist selections, and the Competent Person has independently checked laboratory sample data. The selections are sound and suitable to be used in the modelling and estimation process. Where the drill hole data showed that no Gold existed, the mineralised zone was not created in these areas. |
| | | Further drilling needs to be completed to improve Resource classification of the Inferred Resource. |