BLACKSTONE MINERALS

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ASX: BSX

**21 November 2022**

# Ta Khoa Drilling Update

- **Resource definition drilling at King Snake Massive Sulfide Vein deposit confirms continuity and high grades (up to 4.3% Ni and 18.2 g/t PGE[1])**
- **Strong nickel and Copper drill results returned from the Suoi Phang Massive Sulfide Vein target**

Blackstone Minerals Limited ("Blackstone" or the "Company") is pleased to provide an update on drilling at the Company's flagship Ta Khoa Nickel Project (TKN) in northern Vietnam (refer Table 1 & Table 2).

Blackstone has received assays for the most recent campaign of resource definition drilling at the King Snake Massive Sulfide Vein (MSV) Deposit, confirming the continuity and extents of the high-grade massive sulfide core and demonstrating the presence of an associated ultramafic dyke with disseminated Ni-Cu-PGE sulfide mineralisation. The King Snake deposit remain open down plunge to the west (refer Image 1 and Figure 2).

Highlights from resource definition drilling at King Snake include:

KS22-05 6.2m @ 0.73% Ni, 0.89% Cu, 0.02% Co & 3.32g/t PGE from 191.8m, including; **0.7m @ 1.11% Ni, 4.73% Cu, 0.05% Co & 18.2g/t PGE** from 192.65m

KS22-15 **2.35m @ 2.09% Ni, 0.9% Cu, 0.08% Co & 1.77g/t PGE** from 313.65

KS22-21 6.3m @ 0.85% Ni, 0.41% Cu, 0.03% Co & 1.12g/t PGE from 70m, including; **0.8m @ 4.31% Ni, 1.11% Cu, 0.16% Co & 2.09g/t PGE** from 74.65m

KS22-22 2.85m @ 0.95% Ni, 0.56% Cu, 0.04% Co & 2.1g/t PGE from 106.35m, including; **0.68m @ 3.48% Ni, 1.21% Cu, 0.14% Co & 8.31g/t PGE** from 106.77m

KS22-27 9.35m @ 0.93% Ni, 0.46% Cu, 0.04% Co & 0.62g/t PGE from 65.6m, including; **1.95m @ 3.96% Ni, 1.23% Cu, 0.15% Co & 1.99g/t PGE** from 73m

Success from the first drill hole at Suoi Phang:

SP22-01 **2.95m @ 2.42% Ni, 0.52% Cu, 0.06% Co & 0.05g/t PGE** from 37.05m

[1] *Platinum (Pt) + Palladium (Pd) + Gold (Au)*

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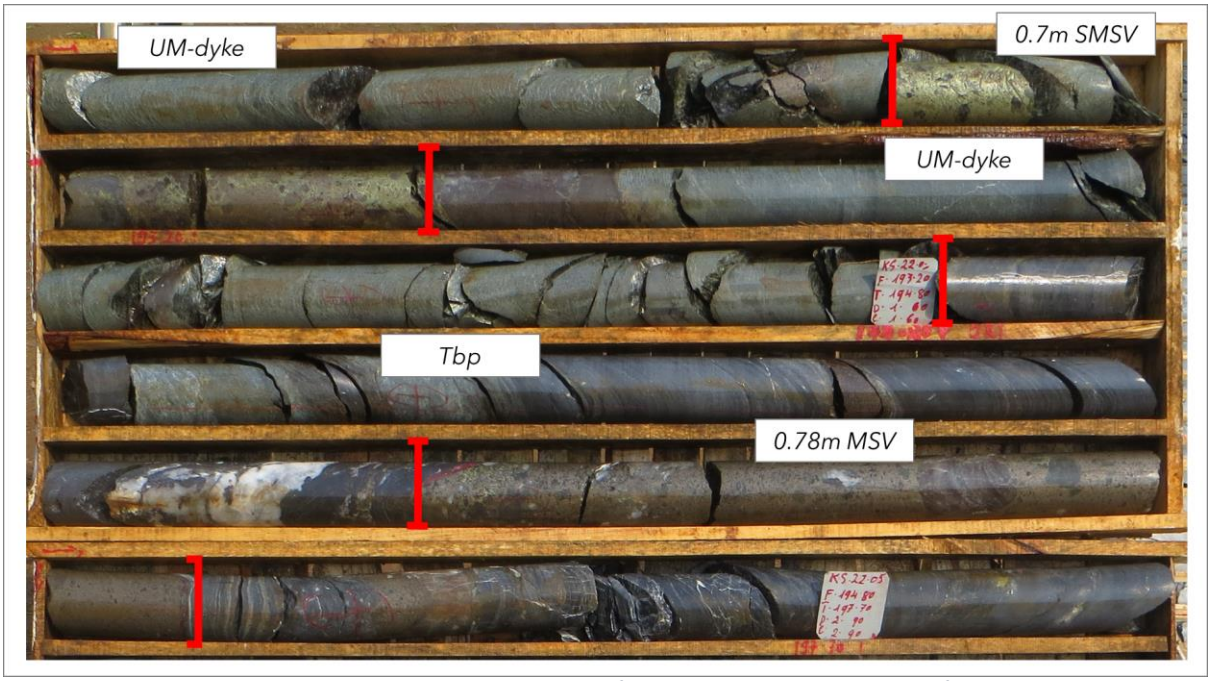


**Image 1** – King Snake hole KS22-05 massive Ni-Cu-Co-PGE sulfide veins associated with ultramafic dykes intruding Ban the Phuc horizon (Tbp), 6.2m @ 0.73% Ni, 0.89% Cu, 0.02% Co & 3.32g/t PGE from 191.8m, including **0.7m @ 1.1% Ni, 4.73% Cu, 0.05% Co & 18.2g/t PGE**[1] from 192.65m & **0.78m @ 2.36% Ni, 0.74% Cu, 0.09% Co & 2.09g/t PGE** from 196.35m

The King Snake Ni-Cu-Co-PGE sulfide deposit is located approximately 1km north of the Ban Phuc disseminated nickel sulfide deposit and immediately south of the Ban Khoa disseminated sulfide deposit (refer Figure 3). King Snake is a magmatic massive sulfide and sulfide matrix breccia vein associated with an ultramafic dyke system intruding calcareous sedimentary rocks and quartz-mica schists of the Ban Phuc horizon. A halo of Ni-Cu-Co-PGE sulfide stringer veins are widely present in the sedimentary wall rocks around the King Snake MSV and the associated ultramafic dykes, commonly carry disseminated to net-textured Ni-Cu-Co-PGE sulfides. The King Snake MSV and ultramafic dyke system is closely comparable with the adjacent Ban Phuc MSV mined by Ban Phuc Nickel Mines during the 2013 to 2016 period and processed at the Ban Phuc concentrator which is currently being used by Blackstone to batch test material from the Ban Phuc disseminated nickel sulfide deposit.

The current mineral resource for King Snake is 0.43 Mt at 1.3% Ni (2.4% NiEq) and was based on information up to and including drill hole KS21-26 (Oct 2021). The King Snake MSV plunges moderately (c. 30 degrees) to the west and remains open down plunge c. >300m beneath surface. Blackstone's exploration and resource definition drill targeting of the King Snake MSV and ultramafic dyke system has been greatly assisted by the use of surface fixed loop and down hole Electro Magnetic ("EM") survey work. Ground conditions have proved well suited to the use of EM and the Company expects to take advantage of this technology for future drill targeting.

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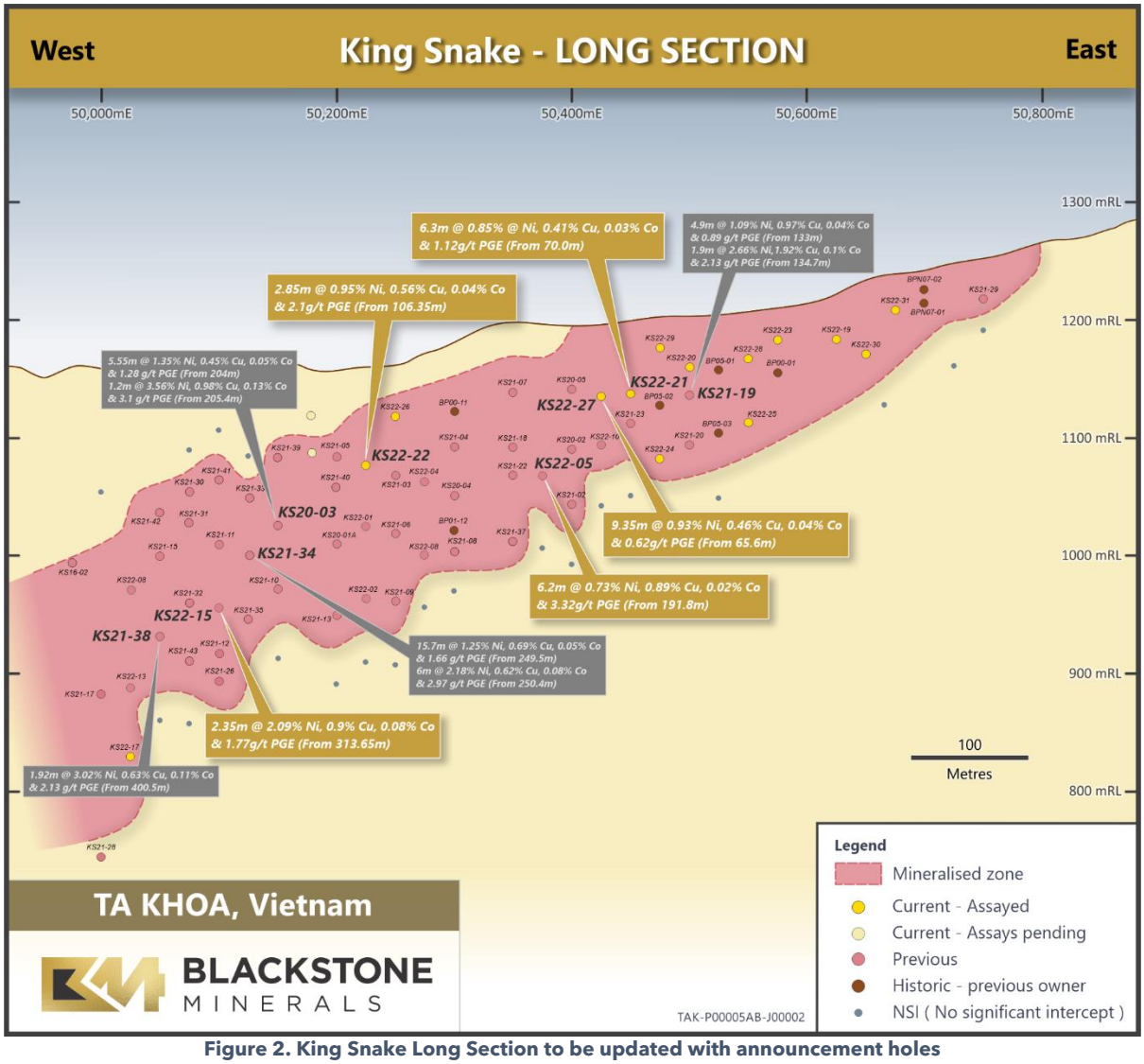


**Figure 2. King Snake Long Section to be updated with announcement holes**

Assays have also been received for exploration drilling at the Suoi Phang MSV target located 12km west of the Ban Phuc nickel concentrator (refer Figure 3). An ultramafic dyke with net-textured and massive Ni-Cu sulfide veining was intersected in drill hole SP22-01 and returned **2.95m @ 2.42% Ni, 0.52% Cu, 0.06% Co & 0.05g/t PGE from 37.05m**.

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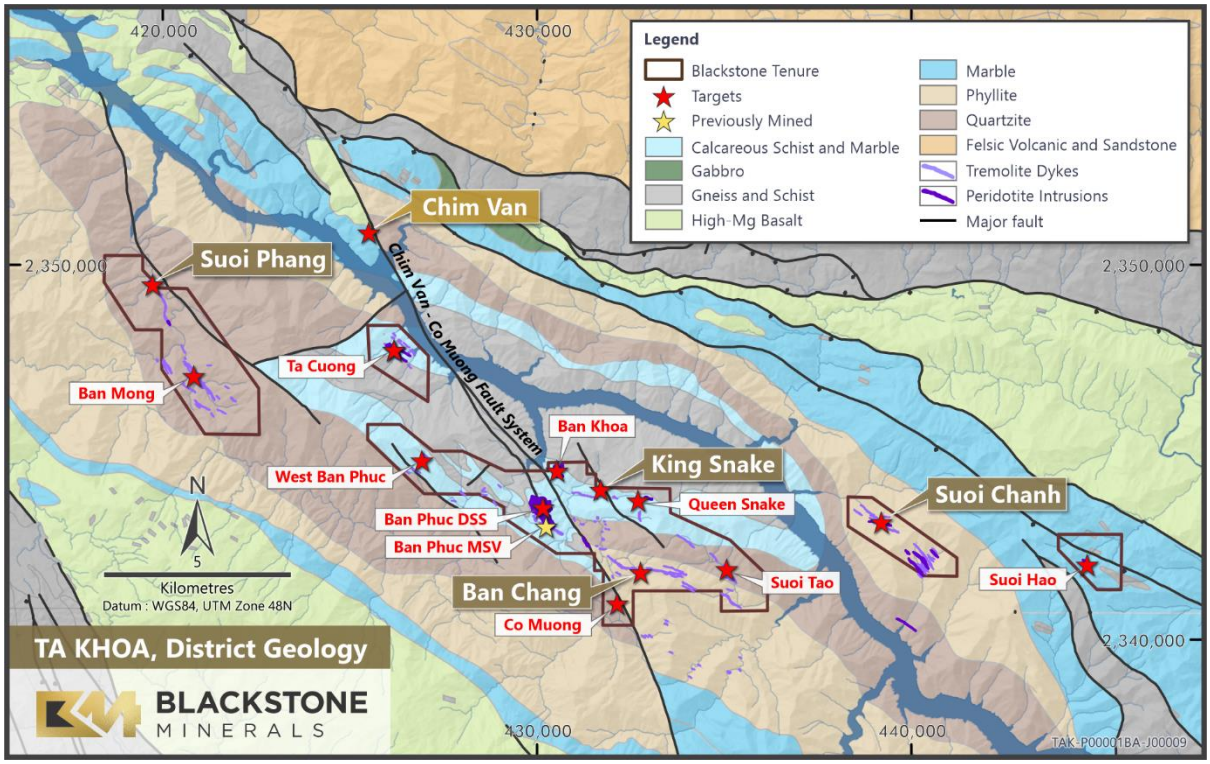


**Figure 3. Ta Khoa district geology map with Ni-Cu-Co-PGE sulfide deposits and targets**

Scott Williamson, Blackstone's Managing Director, said:

*"The resource definition drilling at King Snake confirms continuity of a high-grade Ni-Cu-Co-PGE vein and associated ultramafic dyke system closely comparable to the Ban Phuc MSV that was successfully mined in the 2013 to 2016 period and is furthermore located only 1.2km from the operational Ban Phuc concentrator. Additionally, assay results from the early-stage drilling at the Suoi Phang prospect highlight potential for further nickel MSV deposits within the Ta Khoa dome. We look forward to continuing to systematically assess the massive sulfide potential at Ta Khoa."*

Authorised by the Managing Director on behalf of the Board.

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**About Blackstone**

Blackstone Minerals Ltd (ASX: BSX / OTCQX: BLSTF / FRA: B9S) ("Blackstone" or the "Company") is focused on building an integrated battery metals processing business in Vietnam that produces NCM precursor products for Asia's growing lithium-ion battery industry (refer Figure 4 for project locations). Blackstone will produce the lowest emission precursor as verified by Minviro and the Nickel Institute.

The existing business has a modern nickel mine built to Australian standards, which successfully operated as a mechanised underground nickel mine from 2013 to 2016. This will be complemented by a larger concentrator, refinery and precursor facility to support integrated production in-country. To unlock the flowsheet, the Company is focused on a partnership model and is collaborating with groups who are committed to sustainable mining, minimising carbon footprint and implementing a fully vertically integrated supply chain.

The Company's development strategy is underpinned by the ability to secure nickel concentrate and Ta Khoa is emerging as a nickel sulfide district with several exploration targets yet to be tested.

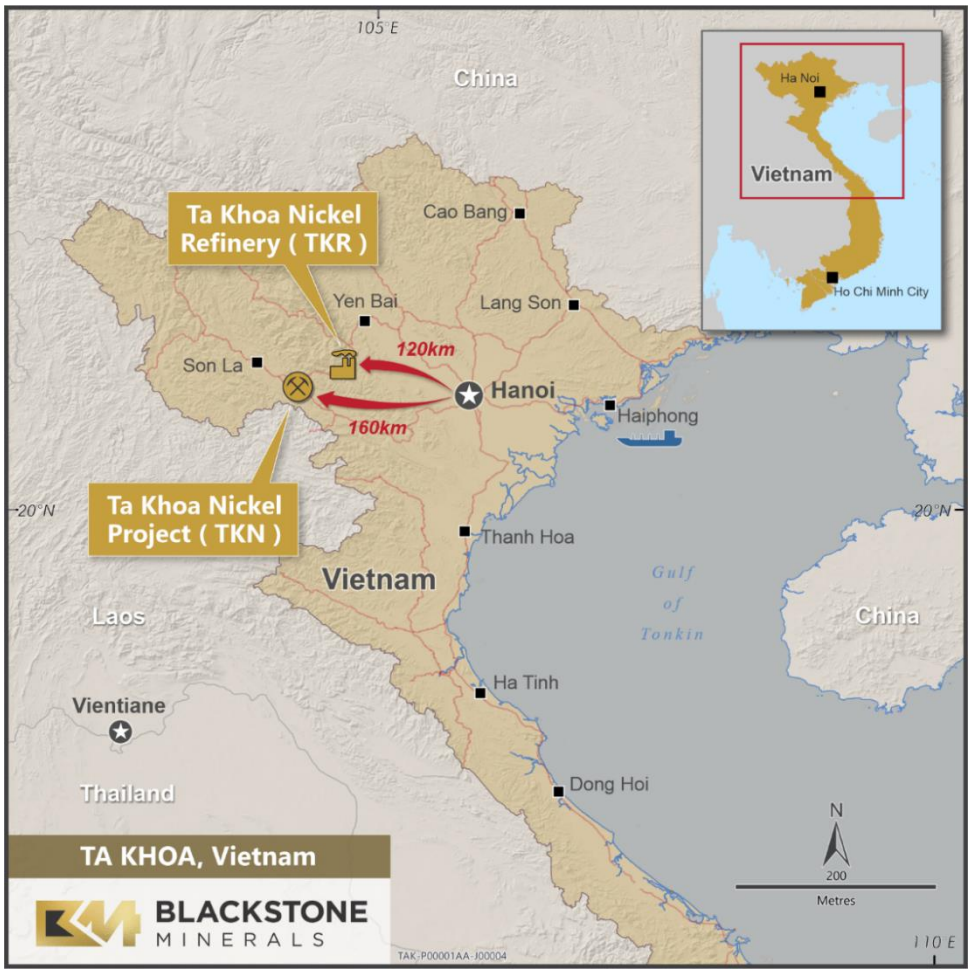


**Figure 4. Ta Khoa Project Location**

**Competent Person Statement**

Reporting of Exploration Results

The information in this report that relates to Exploration Results and Exploration Targets is based on information compiled by compiled and reported by Mr Chris Ramsay, Manager of Resource Geology for the Company and a Member of The Australasian Institute of Mining and Metallurgy. Mr Ramsay has sufficient experience which is relevant to the style of mineralisation and type of deposits under consideration and to the activity which he is undertaking 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 Chris Ramsay consents to the inclusion in the report of the matters based on his information in the form and context in which it appears.

**Forward Looking Statements**

This report contains certain forward-looking statements. The words "expect", "forecast", "should", "projected", "could", "may", "predict", "plan", "will" and other similar expressions are intended to identify forward looking statements. Indications of, and guidance on, future earnings, cash flow costs and financial position and performance are also forward-looking statements. Forward looking statements, opinions and estimates included in this announcement are based on assumptions and contingencies which are subject to change without notice, as are statements about market and industry trends, which are based on interpretations of current market conditions. Forward looking statements are provided as a general guide only and should not be relied on as a guarantee of future performance. Forward looking statements may be affected by a range of variables that could cause actual results or trends to differ materially. These variations, if materially adverse, may affect the timing or the feasibility of the development of the Ta Khoa Project.

The project development schedule assumes the completion for the TKNP of a Definitive Feasibility Study (DFS) in 2023. A DFS for the TKR is also assumed to be completed in 2022. Development approvals and investment permits will be sought from the relevant Vietnamese authorities concurrent to studies being completed. Delays in any one of these key activities could result in a delay to the commencement of construction (planned in 2023). This could lead on to a delay to first production, currently planned for 2025. It is expected that the Company's stakeholder and community engagement programs will reduce the risk of project delays. Please note these dates are indicative only.

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**Table 1**

New intersections for King Snake (KS) resource definition drilling and Suoi Phang (SP) exploration drilling

Notes: Complete assay interval data for drill holes with new assay results is presented in Table 2; complete assay interval data for historic drill holes by Blackstone at King Snake can be located in previous ASX announcements; PGE = Pt+Pd+Au; NSI = No Significant Intercept; All coordinates UTM Zone48N WGS84 with surveys by Leica 1203+ total station system.

| Hole | East UTM 48N WGS84 | North UTM 48N WGS84 | RLm | Azimuth UTM | Dip | End of hole m | From m | To m | Interval m | Ni % | Cu % | Co % | PGE g/t | Pt g/t | Pd g/t | Au g/t | Recovery % |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| KS22-01 | 430860 | 2343769 | 170 | 032 | -53 | 231 | 186 | 188.5 | 2.5 | 1.02 | 0.67 | 0.04 | 1.35 | 0.77 | 0.38 | 0.2 | 100 |
| including | | | | | | | 187.27 | 188.5 | 1.23 | 1.87 | 1.1 | 0.07 | 2.51 | 1.56 | 0.75 | 0.2 | 100 |
| KS22-02 | 430859 | 2343768 | 170 | 032 | -64 | 270 | 235.35 | 237.25 | 1.9 | 0.3 | 0.23 | 0.01 | 3.22 | 2.07 | 0.74 | 0.41 | 100 |
| including | | | | | | | 236.25 | 237.25 | 1 | 0.16 | 0.26 | <0.01 | 5.39 | 3.49 | 1.18 | 0.72 | 100 |
| KS22-03 | 430859 | 2343768 | 170 | 032 | -70 | 340 | | | | | | | | | | | |
| KS22-04 | 430951 | 2343733 | 237 | 367 | -55 | 244.8 | 218.55 | 219.9 | 1.35 | 1.99 | 1.07 | 0.08 | 1.68 | 0.87 | 0.76 | 0.05 | 100 |
| including | | | | | | | 218.55 | 219.3 | 0.75 | 3.34 | 1.39 | 0.05 | 2.85 | 1.54 | 1.28 | 0.03 | 100 |
| KS22-05 | 431038 | 2343754 | 235 | 022 | -61 | 220 | 191.8 | 198 | 6.2 | 0.73 | 0.89 | 0.02 | 3.32 | 2.72 | 0.41 | 0.19 | 100 |
| including | | | | | | | 192.65 | 193.35 | 0.7 | 1.11 | 4.73 | 0.05 | 18.2 | 16.2 | 1.2 | 0.78 | 100 |
| and | | | | | | | 196.35 | 197.13 | 0.78 | 2.36 | 0.74 | 0.09 | 2.09 | 1.28 | 0.73 | 0.08 | 100 |
| KS22-06 | 430951 | 2343733 | 237 | 367 | -66 | 301.3 | 248.6 | 252.85 | 4.25 | 0.16 | 0.3 | 0.01 | 1.2 | 0.95 | 0.19 | 0.06 | 100 |
| including | | | | | | | 251.6 | 252.85 | 1.25 | 0.27 | 0.62 | 0.01 | 3.25 | 2.76 | 0.41 | 0.08 | 100 |
| and | | | | | | | 265 | 267.3 | 2.3 | 0.46 | 0.78 | 0.02 | 1.02 | 0.67 | 0.23 | 0.12 | 100 |
| including | | | | | | | 265.8 | 266.13 | 0.33 | 1.64 | 0.55 | 0.06 | 1.78 | 1.1 | 0.59 | 0.09 | 100 |
| KS22-07 | 431038 | 2343753 | 235 | 022 | -71 | 284.9 | | | | | | | | | | | |
| KS22-08 | 430638 | 2343701 | 274 | 022 | -54 | 420 | 395.2 | 396.1 | 0.9 | 0.4 | 0.4 | 0.02 | 0.38 | 0.1 | 0.11 | 0.16 | 100 |
| KS22-09 | 430951 | 2343732 | 237 | 367 | -71 | 327.4 | | | | | | | | | | | |
| KS22-10 | 431093 | 2343759 | 228 | 022 | -58 | 216.7 | 156.8 | 164 | 7.2 | 0.55 | 0.38 | 0.02 | 2.26 | 1.14 | 0.39 | 0.73 | 100 |
| including | | | | | | | 157.8 | 158.9 | 1.1 | 0.39 | 0.3 | 0.01 | 10 | 4.55 | 1.28 | 4.17 | 100 |
| and | | | | | | | 162.46 | 163.17 | 0.71 | 3.5 | 0.76 | 0.13 | 2.44 | 1.21 | 1.17 | 0.07 | 100 |
| KS22-11 | 431093 | 2343759 | 228 | 022 | -70 | 241.1 | | | | | | | | | | | |
| KS22-12 | 431065 | 2343757 | 232 | 022 | -76 | 285.5 | | | | | | | | | | | |
| KS22-13 | 430638 | 2343701 | 274 | 022 | -60 | 475 | 463.5 | 463.8 | 0.3 | 1.01 | 19 | 0.04 | 1.27 | 1.01 | 0.23 | 0.03 | 100 |
| KS22-14 | 431205 | 2343772 | 227 | 022 | -78 | 230 | | | | | | | | | | | |
| KS22-15 | 430748 | 2343773 | 237 | 022 | -67 | 332.6 | 313.65 | 316 | 2.35 | 2.09 | 0.9 | 0.08 | 1.77 | 1.1 | 0.6 | 0.07 | 100 |
| KS22-16 | 430725 | 2343777 | 247 | 022 | -46 | 270 | | | | | | | | | | | |
| KS22-17 | 430638 | 2343701 | 274 | 022 | -64 | 535 | 496.72 | 497.28 | 0.56 | 1.12 | 0.13 | 0.05 | 0.26 | 0.01 | 0.25 | <0.01 | 100 |
| and | | | | | | | 501.45 | 501.78 | 0.33 | 1.91 | 0.26 | 0.09 | 2.13 | 1.48 | 0.63 | 0.02 | 100 |
| KS22-18 | 430779 | 2343786 | 226 | 022 | -50 | 210 | | | | | | | | | | | |
| KS22-19 | 431309 | 2343793 | 244 | 022 | -59 | 105 | 69 | 70.84 | 1.84 | 0.92 | 0.67 | 0.04 | 0.67 | 0.35 | 0.28 | 0.04 | 100 |
| including | | | | | | | 70.26 | 70.84 | 0.58 | 2.62 | 1.68 | 0.09 | 1.88 | 1.01 | 0.79 | 0.08 | 100 |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| KS22-20 | 431187 | 2343806 | 207 | 022 | -52 | 81.3 | 58.65 | 61.35 | 2.7 | 0.35 | 0.56 | 0.01 | 1.96 | 1.67 | 0.2 | 0.09 | 100 |
| including | | | | | | | 59.68 | 60 | 0.32 | 1.61 | 0.6 | 0.03 | 12.8 | 12.2 | 0.55 | 0.08 | 100 |
| and | | | | | | | 63.65 | 65.3 | 1.65 | 0.7 | 0.64 | 0.03 | 0.45 | 0.17 | 0.24 | 0.04 | 100 |
| including | | | | | | | 63.65 | 63.95 | 0.3 | 3.08 | 1.52 | 0.12 | 2.11 | 0.93 | 1.09 | 0.09 | 100 |
| KS22-21 | 431133 | 2343816 | 198 | 040 | -57 | 87.8 | 70 | 76.3 | 6.3 | 0.85 | 0.41 | 0.03 | 1.12 | 0.82 | 0.25 | 0.05 | 100 |
| including | | | | | | | 71.1 | 71.4 | 0.3 | 1.66 | 0.3 | 0.02 | 5.48 | 5.01 | 0.45 | 0.02 | 100 |
| and | | | | | | | 74.65 | 75.45 | 0.8 | 4.31 | 1.11 | 0.16 | 2.09 | 0.98 | 1.08 | 0.03 | 100 |
| KS22-22 | 430909 | 2343817 | 167 | 374 | -59 | 127.9 | 106.35 | 109.2 | 2.85 | 0.95 | 0.56 | 0.04 | 2.1 | 0.37 | 0.24 | 1.49 | 100 |
| including | | | | | | | 106.77 | 107.45 | 0.68 | 3.48 | 1.21 | 0.14 | 8.31 | 1.53 | 0.88 | 5.9 | 100 |
| KS22-23 | 431275 | 2343783 | 239 | 022 | -52 | 90.2 | 68.8 | 74 | 5.2 | 0.3 | 0.31 | 0.01 | 0.41 | 0.23 | 0.12 | 0.06 | 100 |
| including | | | | | | | 73.7 | 74 | 0.3 | 1.56 | 1.57 | 0.06 | 1.55 | 0.6 | 0.76 | 0.19 | 100 |
| KS22-24 | 431160 | 2343795 | 210 | 022 | -74 | 151 | 134.35 | 136.5 | 2.15 | 1.61 | 0.62 | 0.06 | 1.69 | 1.14 | 0.49 | 0.06 | 100 |
| including | | | | | | | 134.35 | 135.6 | 1.25 | 2.65 | 0.94 | 0.09 | 2.83 | 1.96 | 0.8 | 0.07 | 100 |
| KS22-25 | 431230 | 2343772 | 230 | 022 | -66 | 140.7 | 129.6 | 130.93 | 1.33 | 1.13 | 1.01 | 0.04 | 0.96 | 0.49 | 0.4 | 0.07 | 100 |
| including | | | | | | | 130.45 | 130.93 | 0.48 | 2.66 | 2.13 | 0.09 | 2.46 | 1.36 | 0.98 | 0.12 | 100 |
| KS22-26 | 430934 | 2343835 | 167 | 349 | -56 | 80.7 | 55 | 67.05 | 12.05 | 0.4 | 0.33 | 0.02 | 0.66 | 0.44 | 0.15 | 0.07 | 100 |
| including | | | | | | | 58.4 | 58.7 | 0.3 | 1.05 | 1.07 | 0.04 | 5.91 | 5.28 | 0.52 | 0.11 | 100 |
| and | | | | | | | 60.6 | 61 | 0.4 | 2.52 | 0.33 | 0.09 | 1.86 | 1.27 | 0.58 | 0.01 | 100 |
| and | | | | | | | 65.9 | 67.05 | 1.15 | 1.4 | 0.49 | 0.05 | 1.9 | 1.26 | 0.55 | 0.09 | 100 |
| KS22-27 | 431132 | 2343818 | 198 | 022 | -61 | 87.8 | 65.6 | 74.95 | 9.35 | 0.93 | 0.46 | 0.04 | 0.62 | 0.31 | 0.25 | 0.06 | 100 |
| including | | | | | | | 73 | 74.95 | 1.95 | 3.96 | 1.23 | 0.15 | 1.99 | 1.06 | 0.89 | 0.04 | 100 |
| KS22-28 | 431230 | 2343772 | 230 | 327 | -48 | 102.1 | 84.4 | 90.4 | 6 | 0.51 | 0.32 | 0.02 | 0.46 | 0.3 | 0.13 | 0.03 | 100 |
| including | | | | | | | 85.5 | 85.95 | 0.45 | 1.05 | 0.32 | 0.02 | 1.7 | 1.4 | 0.24 | 0.06 | 100 |
| and | | | | | | | 90 | 90.4 | 0.4 | 3.84 | 1.65 | 0.15 | 2.35 | 1.26 | 1.01 | 0.08 | 100 |
| KS22-29 | 431194 | 2343839 | 196 | 022 | -58 | 49.5 | 16 | 21.1 | 5.1 | 0.4 | 0.42 | 0.02 | 0.87 | 0.52 | 0.3 | 0.05 | 100 |
| including | | | | | | | 18.1 | 21.1 | 3 | 0.53 | 0.64 | 0.02 | 1.07 | 0.6 | 0.41 | 0.06 | 100 |
| and | | | | | | | 25.45 | 25.95 | 0.5 | 3.48 | 1.21 | 0.13 | 1.94 | 0.85 | 0.94 | 0.15 | 100 |
| KS22-30 | 431348 | 2343789 | 241 | 022 | -71 | 87 | 71.9 | 74.75 | 2.85 | 0.59 | 0.44 | 0.02 | 1.11 | 0.57 | 0.4 | 0.14 | 100 |
| including | | | | | | | 74.35 | 74.75 | 0.4 | 2.72 | 0.53 | 0.09 | 5.01 | 3.21 | 1.41 | 0.39 | 100 |
| KS22-31 | 431379 | 2343800 | 232 | 022 | -62 | 59.3 | 24.65 | 27.4 | 2.75 | 0.69 | 0.78 | 0.03 | 0.78 | 0.48 | 0.26 | 0.04 | 100 |
| including | | | | | | | 26.96 | 27.4 | 0.44 | 1.65 | 0.4 | 0.06 | 3.3 | 2.65 | 0.62 | 0.03 | 100 |
| SP21-03 | 419762 | 2349333 | 298 | 046 | -60 | 100 | 50.67 | 53.3 | 2.63 | 0.85 | 1.19 | 0.02 | 0.1 | 0.01 | 0.01 | 0.08 | 100 |
| including | | | | | | | 52.11 | 53.3 | 1.19 | 1.39 | 2.43 | 0.04 | 0.19 | 0.01 | 0.02 | 0.16 | 100 |
| SP22-01 | 419798 | 2349398 | 285 | 226 | -58 | 53.3 | 37.05 | 40 | 2.95 | 2.42 | 0.52 | 0.06 | 0.05 | 0.02 | 0.02 | 0.01 | 100 |
| SP22-02 | 419741 | 2349315 | 303 | 046 | -58 | 121.3 | 76.68 | 78.2 | 1.52 | 0.54 | 0.18 | 0.02 | 0.02 | 0.01 | 0.01 | <0.01 | 100 |
| SP22-03 | 419814 | 2349417 | 282 | 226 | -63 | 146.5 | | | NSI | | | | | | | | |
| SP22-04 | 419774 | 2349344 | 292 | 046 | -45 | 65.4 | | | NSI | | | | | | | | |

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**Table 2**

Drill hole assays, preparation by SGS, Hai Phong, assays by ALS Geochemistry, Perth (see Appendix One for assay methods). Complete assay interval data is provided below for drill holes in Table 1. Note: na denotes assay result not available (element was not determined) and < denotes below detection.

| Hole | From m | To m | Interval m | Recovery % | Ni ppm | Cu ppm | Co ppm | Pt g/t | Pd g/t | Au g/t |
|---|---|---|---|---|---|---|---|---|---|---|
| KS22-01 | 128 | 128.32 | 0.32 | 100 | 103 | 125 | 27 | na | na | na |
| KS22-01 | 130.45 | 130.75 | 0.3 | 100 | 56 | 210 | 65 | na | na | na |
| KS22-01 | 148.25 | 148.55 | 0.3 | 100 | 94 | 116 | 84 | <0.005 | <0.001 | 0.001 |
| KS22-01 | 170.5 | 171.5 | 1 | 100 | 285 | 147 | 48 | na | na | na |
| KS22-01 | 171.5 | 172.5 | 1 | 100 | 110 | 34 | 45 | na | na | na |
| KS22-01 | 172.5 | 173.5 | 1 | 100 | 69 | 41 | 41 | na | na | na |
| KS22-01 | 173.5 | 174.5 | 1 | 100 | 74 | 13 | 41 | na | na | na |
| KS22-01 | 174.5 | 175.5 | 1 | 100 | 369 | 45 | 57 | na | na | na |
| KS22-01 | 175.5 | 176.2 | 0.7 | 100 | 388 | 48 | 48 | na | na | na |
| KS22-01 | 176.2 | 177 | 0.8 | 100 | 134 | 52 | 37 | na | na | na |
| KS22-01 | 177 | 178 | 1 | 100 | 604 | 226 | 67 | na | na | na |
| KS22-01 | 178 | 178.95 | 0.95 | 100 | 700 | 421 | 62 | na | na | na |
| KS22-01 | 186 | 187.27 | 1.27 | 100 | 1995 | 2540 | 82 | <0.005 | 0.016 | 0.209 |
| KS22-01 | 187.27 | 187.68 | 0.41 | 100 | 23500 | 10850 | 930 | 1.815 | 0.833 | 0.057 |
| KS22-01 | 187.68 | 188.5 | 0.82 | 100 | 16250 | 11100 | 622 | 1.425 | 0.702 | 0.27 |
| KS22-01 | 188.5 | 189.5 | 1 | 100 | 1050 | 1090 | 37 | <0.005 | 0.029 | 0.03 |
| KS22-01 | 198.55 | 198.95 | 0.4 | 100 | 455 | 598 | 20 | na | na | na |
| KS22-01 | 214.5 | 214.85 | 0.35 | 100 | 124 | 334 | 16 | na | na | na |
| KS22-02 | 48.9 | 50 | 1.1 | 100 | 586 | 37 | 61 | na | na | na |
| KS22-02 | 146.2 | 147.2 | 1 | 100 | 31 | 33 | 9 | <0.005 | 0.001 | <0.001 |
| KS22-02 | 147.2 | 147.5 | 0.3 | 100 | 58 | 490 | 95 | <0.005 | 0.001 | 0.002 |
| KS22-02 | 147.5 | 149 | 1.5 | 100 | 26 | 74 | 18 | <0.005 | <0.001 | <0.001 |
| KS22-02 | 153 | 154.5 | 1.5 | 100 | 117 | 23 | 35 | na | na | na |
| KS22-02 | 170.7 | 171.6 | 0.9 | 100 | 89 | 133 | 32 | na | na | na |
| KS22-02 | 171.6 | 172.5 | 0.9 | 100 | 76 | 119 | 32 | na | na | na |
| KS22-02 | 172.5 | 173.5 | 1 | 100 | 91 | 80 | 13 | na | na | na |
| KS22-02 | 176.5 | 177.5 | 1 | 100 | 35 | 83 | 20 | na | na | na |
| KS22-02 | 180.4 | 181.2 | 0.8 | 100 | 101 | 258 | 62 | na | na | na |
| KS22-02 | 186.5 | 187.1 | 0.6 | 100 | 63 | 190 | 55 | na | na | na |
| KS22-02 | 204 | 204.5 | 0.5 | 100 | 51 | 235 | 101 | na | na | na |
| KS22-02 | 206 | 206.6 | 0.6 | 100 | 106 | 263 | 30 | <0.005 | 0.002 | 0.001 |
| KS22-02 | 206.6 | 207.6 | 1 | 100 | 723 | 356 | 62 | 0.03 | 0.029 | 0.001 |
| KS22-02 | 207.6 | 208.6 | 1 | 100 | 529 | 170 | 64 | 0.02 | 0.019 | 0.001 |
| KS22-02 | 208.6 | 209.6 | 1 | 100 | 743 | 160 | 77 | 0.02 | 0.018 | 0.001 |
| KS22-02 | 209.6 | 210.6 | 1 | 100 | 530 | 106 | 71 | 0.005 | 0.004 | 0.004 |
| KS22-02 | 210.6 | 211.75 | 1.15 | 100 | 659 | 95 | 68 | 0.029 | 0.026 | 0.002 |
| KS22-02 | 211.75 | 213.5 | 1.75 | 100 | 46 | 176 | 36 | 0.006 | 0.004 | 0.001 |
| KS22-02 | 213.5 | 214.5 | 1 | 100 | 4160 | 785 | 172 | 0.036 | 0.09 | 0.009 |
| KS22-02 | 214.5 | 215.5 | 1 | 100 | 958 | 209 | 91 | 0.038 | 0.034 | 0.001 |
| KS22-02 | 215.5 | 216.5 | 1 | 100 | 783 | 296 | 80 | 0.02 | 0.017 | 0.009 |
| KS22-02 | 216.5 | 217.6 | 1.1 | 100 | 817 | 213 | 81 | 0.031 | 0.026 | 0.003 |
| KS22-02 | 217.6 | 218.75 | 1.15 | 100 | 862 | 255 | 90 | 0.034 | 0.034 | 0.002 |
| KS22-02 | 218.75 | 220.55 | 1.8 | 100 | 337 | 622 | 25 | 0.018 | 0.024 | 0.002 |
| KS22-02 | 232.9 | 234.1 | 1.2 | 100 | 346 | 534 | 17 | <0.005 | 0.009 | 0.002 |
| KS22-02 | 234.1 | 235.35 | 1.25 | 100 | 612 | 489 | 28 | <0.005 | 0.007 | 0.002 |
| KS22-02 | 235.35 | 235.65 | 0.3 | 100 | 5310 | 1600 | 211 | 0.363 | 0.175 | 0.009 |
| KS22-02 | 235.65 | 235.95 | 0.3 | 100 | 527 | 1395 | 26 | <0.005 | 0.028 | 0.004 |
| KS22-02 | 235.95 | 236.25 | 0.3 | 100 | 7810 | 2760 | 378 | 1.09 | 0.545 | 0.222 |
| KS22-02 | 236.25 | 237.25 | 1 | 100 | 1640 | 2580 | 63 | 3.49 | 1.18 | 0.716 |
| KS22-02 | 254 | 254.6 | 0.6 | 100 | 617 | 113 | 66 | na | na | na |
| KS22-02 | 260.55 | 261.4 | 0.85 | 100 | 188 | 116 | 46 | na | na | na |
| KS22-03 | 159.1 | 160 | 0.9 | 100 | 198 | 53 | 32 | na | na | na |
| KS22-03 | 161.8 | 162.2 | 0.4 | 100 | 192 | 50 | 17 | na | na | na |
| KS22-03 | 203 | 204 | 1 | 100 | 34 | 48 | 12 | na | na | na |

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|---|---|---|---|---|---|---|---|---|---|---|
| KS22-03 | 204 | 204.7 | 0.7 | 100 | 36 | 61 | 18 | na | na | na |
| KS22-03 | 245.2 | 245.5 | 0.3 | 100 | 265 | 230 | 169 | na | na | na |
| KS22-03 | 249.65 | 250.55 | 0.9 | 100 | 216 | 53 | 40 | na | na | na |
| KS22-03 | 251.25 | 253.2 | 1.95 | 100 | 765 | 116 | 69 | na | na | na |
| KS22-03 | 280.2 | 281.3 | 1.1 | 100 | 554 | 142 | 68 | na | na | na |
| KS22-03 | 281.3 | 282.4 | 1.1 | 100 | 736 | 133 | 74 | na | na | na |
| KS22-03 | 282.4 | 283.5 | 1.1 | 100 | 1155 | 253 | 90 | na | na | na |
| KS22-03 | 321.95 | 323 | 1.05 | 100 | 174 | 96 | 40 | na | na | na |
| KS22-04 | 206.95 | 208 | 1.05 | 100 | 66 | 136 | 35 | na | na | na |
| KS22-04 | 208 | 209 | 1 | 100 | 239 | 350 | 53 | na | na | na |
| KS22-04 | 209 | 210.2 | 1.2 | 100 | 237 | 70 | 39 | na | na | na |
| KS22-04 | 210.2 | 211.4 | 1.2 | 100 | 1030 | 417 | 88 | na | na | na |
| KS22-04 | 217.5 | 218.55 | 1.05 | 100 | 404 | 326 | 21 | <0.005 | 0.01 | 0.002 |
| KS22-04 | 218.55 | 219.3 | 0.75 | 100 | 33400 | 13850 | 1355 | 1.535 | 1.275 | 0.029 |
| KS22-04 | 219.3 | 219.9 | 0.6 | 100 | 2960 | 6840 | 119 | 0.033 | 0.117 | 0.08 |
| KS22-04 | 219.9 | 221 | 1.1 | 100 | 969 | 468 | 28 | <0.005 | 0.023 | 0.004 |
| KS22-05 | 118.05 | 119.3 | 1.25 | 100 | 432 | 41 | 54 | na | na | na |
| KS22-05 | 119.3 | 120.5 | 1.2 | 100 | 227 | 141 | 57 | na | na | na |
| KS22-05 | 120.5 | 121.9 | 1.4 | 100 | 265 | 138 | 57 | na | na | na |
| KS22-05 | 149.05 | 150.3 | 1.25 | 100 | 200 | 83 | 64 | na | na | na |
| KS22-05 | 189.95 | 190.7 | 0.75 | 100 | 822 | 392 | 75 | na | na | na |
| KS22-05 | 190.7 | 191.8 | 1.1 | 100 | 192 | 552 | 17 | na | na | na |
| KS22-05 | 191.8 | 192.65 | 0.85 | 100 | 6360 | 2570 | 156 | 0.754 | 0.295 | 0.116 |
| KS22-05 | 192.65 | 193.35 | 0.7 | 100 | 11050 | 47300 | 162 | 16.15 | 1.205 | 0.778 |
| KS22-05 | 193.35 | 194.4 | 1.05 | 100 | 2720 | 3330 | 82 | 2.18 | 0.399 | 0.207 |
| KS22-05 | 194.4 | 195.4 | 1 | 100 | 6460 | 5850 | 88 | 1.16 | 0.228 | 0.232 |
| KS22-05 | 195.4 | 196.35 | 0.95 | 100 | 1330 | 2270 | 47 | 0.268 | 0.039 | 0.014 |
| KS22-05 | 196.35 | 197.13 | 0.78 | 100 | 23600 | 7410 | 883 | 1.275 | 0.733 | 0.075 |
| KS22-05 | 197.13 | 198 | 0.87 | 100 | 3340 | 3010 | 105 | 0.231 | 0.244 | 0.046 |
| KS22-06 | 243.1 | 244.1 | 1 | 100 | 580 | 730 | 57 | na | na | na |
| KS22-06 | 244.1 | 244.8 | 0.7 | 100 | 76 | 80 | 10 | na | na | na |
| KS22-06 | 244.8 | 245.5 | 0.7 | 100 | 209 | 148 | 29 | na | na | na |
| KS22-06 | 245.5 | 246.45 | 0.95 | 100 | 361 | 111 | 40 | na | na | na |
| KS22-06 | 246.45 | 247.6 | 1.15 | 100 | 749 | 170 | 72 | 0.064 | 0.038 | 0.002 |
| KS22-06 | 247.6 | 248.6 | 1 | 100 | 227 | 260 | 35 | 0.008 | 0.019 | 0.002 |
| KS22-06 | 248.6 | 249.6 | 1 | 100 | 1090 | 1065 | 43 | 0.169 | 0.078 | 0.007 |
| KS22-06 | 249.6 | 250.65 | 1.05 | 100 | 1145 | 985 | 33 | 0.18 | 0.121 | 0.013 |
| KS22-06 | 250.65 | 251.6 | 0.95 | 100 | 1135 | 3140 | 53 | 0.223 | 0.103 | 0.141 |
| KS22-06 | 251.6 | 252.55 | 0.95 | 100 | 2990 | 3690 | 92 | 3.48 | 0.483 | 0.079 |
| KS22-06 | 252.55 | 252.85 | 0.3 | 100 | 1785 | 14250 | 76 | 0.49 | 0.195 | 0.082 |
| KS22-06 | 252.85 | 253.25 | 0.4 | 100 | 939 | 323 | 55 | 0.053 | 0.046 | 0.003 |
| KS22-06 | 253.25 | 254 | 0.75 | 100 | 43 | 146 | 11 | 0.011 | 0.004 | 0.002 |
| KS22-06 | 254 | 255 | 1 | 100 | 550 | 1490 | 28 | 0.006 | 0.06 | 0.01 |
| KS22-06 | 264.25 | 265 | 0.75 | 100 | 305 | 347 | 20 | <0.005 | 0.008 | 0.005 |
| KS22-06 | 265 | 265.8 | 0.8 | 100 | 3010 | 17950 | 113 | 0.006 | 0.098 | 0.1 |
| KS22-06 | 265.8 | 266.13 | 0.33 | 100 | 16350 | 5490 | 613 | 1.1 | 0.585 | 0.092 |
| KS22-06 | 266.13 | 266.75 | 0.62 | 100 | 1055 | 541 | 83 | 0.199 | 0.16 | 0.096 |
| KS22-06 | 266.75 | 267.3 | 0.55 | 100 | 4010 | 2540 | 145 | 1.895 | 0.275 | 0.197 |
| KS22-07 | 244.5 | 245.7 | 1.2 | 100 | 26 | 170 | 16 | na | na | na |
| KS22-07 | 245.7 | 246.9 | 1.2 | 100 | 45 | 117 | 15 | na | na | na |
| KS22-07 | 246.9 | 248.17 | 1.27 | 100 | 1055 | 3340 | 51 | 0.058 | 0.127 | 0.041 |
| KS22-07 | 248.17 | 248.47 | 0.3 | 100 | 65 | 307 | 90 | <0.005 | 0.002 | 0.003 |
| KS22-07 | 248.47 | 249.1 | 0.63 | 100 | 53 | 181 | 71 | <0.005 | 0.002 | 0.005 |
| KS22-07 | 273.45 | 274.15 | 0.7 | 100 | 760 | 119 | 67 | na | na | na |
| KS22-07 | 278.15 | 278.65 | 0.5 | 100 | 54 | 42 | 10 | na | na | na |
| KS22-07 | 278.65 | 279.2 | 0.55 | 100 | 72 | 385 | 14 | na | na | na |
| KS22-08 | 347.85 | 348.8 | 0.95 | 100 | 850 | 211 | 75 | na | na | na |
| KS22-08 | 348.8 | 349.8 | 1 | 100 | 2050 | 424 | 142 | na | na | na |
| KS22-08 | 349.8 | 350.7 | 0.9 | 100 | 2160 | 516 | 119 | na | na | na |
| KS22-08 | 350.7 | 351.9 | 1.2 | 100 | 654 | 192 | 54 | na | na | na |
| KS22-08 | 354.7 | 355.35 | 0.65 | 100 | 238 | 104 | 46 | na | na | na |

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|---|---|---|---|---|---|---|---|---|---|---|
| KS22-08 | 392.5 | 393.5 | 1 | 100 | 38 | 28 | 9 | <0.005 | 0.001 | 0.001 |
| KS22-08 | 393.5 | 394.5 | 1 | 100 | 50 | 29 | 11 | <0.005 | 0.001 | 0.001 |
| KS22-08 | 394.5 | 395.2 | 0.7 | 100 | 470 | 419 | 29 | 0.006 | 0.014 | 0.001 |
| KS22-08 | 395.2 | 395.8 | 0.6 | 100 | 3110 | 5210 | 129 | 0.142 | 0.091 | 0.215 |
| KS22-08 | 395.8 | 396.1 | 0.3 | 100 | 5900 | 1495 | 235 | 0.03 | 0.15 | 0.051 |
| KS22-08 | 396.1 | 396.6 | 0.5 | 100 | 2270 | 2060 | 99 | <0.005 | 0.047 | 0.046 |
| KS22-08 | 396.6 | 397.6 | 1 | 100 | 483 | 638 | 18 | <0.005 | 0.011 | 0.005 |
| KS22-08 | 397.6 | 398.55 | 0.95 | 100 | 653 | 713 | 23 | <0.005 | 0.015 | 0.004 |
| KS22-09 | 280.4 | 281.4 | 1 | 100 | 53 | 29 | 12 | na | na | na |
| KS22-09 | 281.4 | 282.05 | 0.65 | 100 | 719 | 69 | 61 | na | na | na |
| KS22-09 | 282.05 | 282.45 | 0.4 | 100 | 71 | 259 | 16 | <0.005 | 0.002 | 0.003 |
| KS22-09 | 282.45 | 282.8 | 0.35 | 100 | 553 | 178 | 91 | <0.005 | 0.005 | 0.002 |
| KS22-09 | 282.8 | 283.7 | 0.9 | 100 | 102 | 67 | 14 | <0.005 | 0.001 | 0.001 |
| KS22-09 | 283.7 | 284.7 | 1 | 100 | 316 | 199 | 43 | 0.009 | 0.005 | 0.002 |
| KS22-09 | 284.7 | 285.7 | 1 | 100 | 760 | 80 | 74 | 0.01 | 0.009 | 0.001 |
| KS22-09 | 285.7 | 286.7 | 1 | 100 | 819 | 93 | 77 | 0.018 | 0.022 | 0.002 |
| KS22-09 | 286.7 | 287.5 | 0.8 | 100 | 397 | 79 | 56 | 0.012 | 0.01 | 0.004 |
| KS22-09 | 287.5 | 288.5 | 1 | 100 | 32 | 55 | 10 | na | na | na |
| KS22-09 | 299.6 | 300.6 | 1 | 100 | 319 | 76 | 51 | na | na | na |
| KS22-09 | 300.6 | 301.6 | 1 | 100 | 369 | 89 | 57 | na | na | na |
| KS22-09 | 301.6 | 302.4 | 0.8 | 100 | 506 | 200 | 67 | na | na | na |
| KS22-09 | 308.3 | 309.3 | 1 | 100 | 767 | 109 | 76 | na | na | na |
| KS22-09 | 309.3 | 310.15 | 0.85 | 100 | 772 | 90 | 70 | na | na | na |
| KS22-10 | 124.3 | 125.3 | 1 | 100 | 133 | 52 | 35 | na | na | na |
| KS22-10 | 154 | 155 | 1 | 100 | 408 | 2630 | 12 | na | na | na |
| KS22-10 | 155 | 155.8 | 0.8 | 100 | 374 | 2150 | 11 | <0.005 | 0.013 | 0.025 |
| KS22-10 | 155.8 | 156.8 | 1 | 100 | 648 | 348 | 77 | 0.057 | 0.014 | 0.087 |
| KS22-10 | 156.8 | 157.8 | 1 | 100 | 981 | 4330 | 77 | 0.27 | 0.044 | 0.114 |
| KS22-10 | 157.8 | 158.9 | 1.1 | 100 | 3860 | 2980 | 127 | 4.55 | 1.28 | 4.17 |
| KS22-10 | 158.9 | 159.9 | 1 | 100 | 1815 | 1890 | 82 | 0.41 | 0.239 | 0.113 |
| KS22-10 | 159.9 | 160.7 | 0.8 | 100 | 1125 | 507 | 85 | 0.014 | 0.019 | 0.015 |
| KS22-10 | 160.7 | 161.2 | 0.5 | 100 | 6450 | 8300 | 131 | 2.43 | 0.298 | 0.47 |
| KS22-10 | 161.2 | 161.8 | 0.6 | 100 | 1320 | 5490 | 28 | <0.005 | 0.042 | 0.112 |
| KS22-10 | 161.8 | 162.46 | 0.66 | 100 | 963 | 2710 | 27 | 0.153 | 0.026 | 0.042 |
| KS22-10 | 162.46 | 163.17 | 0.71 | 100 | 35000 | 7600 | 1320 | 1.205 | 1.17 | 0.068 |
| KS22-10 | 163.17 | 164 | 0.83 | 100 | 2960 | 3010 | 110 | 0.389 | 0.121 | 0.043 |
| KS22-10 | 164 | 164.7 | 0.7 | 100 | 269 | 549 | 17 | <0.005 | 0.005 | 0.001 |
| KS22-10 | 164.7 | 165.7 | 1 | 100 | 267 | 106 | 19 | na | na | na |
| KS22-11 | 147 | 147.9 | 0.9 | 100 | 29 | 127 | 34 | na | na | na |
| KS22-11 | 147.9 | 148.8 | 0.9 | 100 | 30 | 190 | 52 | na | na | na |
| KS22-11 | 173.3 | 174.3 | 1 | 100 | 41 | 42 | 14 | <0.005 | <0.001 | <0.001 |
| KS22-11 | 174.3 | 175.33 | 1.03 | 100 | 35 | 50 | 13 | <0.005 | <0.001 | <0.001 |
| KS22-11 | 175.33 | 175.63 | 0.3 | 100 | 181 | 466 | 171 | <0.005 | 0.002 | 0.002 |
| KS22-11 | 175.63 | 176.35 | 0.72 | 100 | 26 | 81 | 25 | <0.005 | <0.001 | <0.001 |
| KS22-11 | 205.2 | 206 | 0.8 | 100 | 24 | 151 | 20 | na | na | na |
| KS22-11 | 206 | 207 | 1 | 100 | 16 | 139 | 13 | na | na | na |
| KS22-11 | 210 | 210.7 | 0.7 | 100 | 167 | 783 | 14 | na | na | na |
| KS22-11 | 221.5 | 222.5 | 1 | 100 | 168 | 95 | 37 | na | na | na |
| KS22-11 | 232 | 232.6 | 0.6 | 100 | 167 | 126 | 31 | na | na | na |
| KS22-11 | 237.9 | 238.5 | 0.6 | 100 | 82 | 125 | 21 | na | na | na |
| KS22-12 | 200.1 | 201.15 | 1.05 | 100 | 142 | 34 | 39 | na | na | na |
| KS22-12 | 203.55 | 204.65 | 1.1 | 100 | 109 | 39 | 44 | na | na | na |
| KS22-12 | 212.7 | 213.5 | 0.8 | 100 | 227 | 53 | 48 | na | na | na |
| KS22-12 | 213.5 | 213.8 | 0.3 | 100 | 52 | 1315 | 100 | na | na | na |
| KS22-12 | 213.8 | 214.9 | 1.1 | 100 | 44 | 93 | 19 | na | na | na |
| KS22-12 | 214.9 | 215.85 | 0.95 | 100 | 43 | 30 | 14 | na | na | na |
| KS22-12 | 245.2 | 245.5 | 0.3 | 100 | 605 | 54 | 56 | na | na | na |
| KS22-12 | 245.5 | 246.2 | 0.7 | 100 | 41 | 36 | 11 | na | na | na |
| KS22-12 | 246.2 | 246.75 | 0.55 | 100 | 45 | 288 | 15 | na | na | na |
| KS22-12 | 263.4 | 263.7 | 0.3 | 100 | 113 | 64 | 34 | na | na | na |
| KS22-13 | 409 | 409.3 | 0.3 | 100 | 54 | 111 | 50 | na | na | na |

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|---|---|---|---|---|---|---|---|---|---|---|
| KS22-13 | 414.4 | 415.3 | 0.9 | 100 | 70 | 101 | 25 | na | na | na |
| KS22-13 | 415.3 | 415.6 | 0.3 | 100 | 93 | 350 | 83 | na | na | na |
| KS22-13 | 434.2 | 435.4 | 1.2 | 100 | 104 | 61 | 27 | na | na | na |
| KS22-13 | 435.4 | 436.2 | 0.8 | 100 | 338 | 118 | 48 | <0.005 | 0.001 | <0.001 |
| KS22-13 | 436.2 | 436.5 | 0.3 | 100 | 1935 | 550 | 198 | <0.005 | 0.029 | 0.005 |
| KS22-13 | 436.5 | 437.1 | 0.6 | 100 | 1235 | 205 | 133 | 0.01 | 0.007 | <0.001 |
| KS22-13 | 437.1 | 438.15 | 1.05 | 100 | 247 | 167 | 29 | <0.005 | 0.003 | <0.001 |
| KS22-13 | 438.15 | 438.6 | 0.45 | 100 | 114 | 180 | 31 | <0.005 | 0.001 | 0.001 |
| KS22-13 | 438.6 | 439.6 | 1 | 100 | 129 | 122 | 50 | <0.005 | 0.001 | <0.001 |
| KS22-13 | 439.6 | 440.45 | 0.85 | 100 | 91 | 65 | 40 | <0.005 | <0.001 | <0.001 |
| KS22-13 | 440.45 | 441.4 | 0.95 | 100 | 305 | 81 | 49 | <0.005 | 0.003 | <0.001 |
| KS22-13 | 441.4 | 442.4 | 1 | 100 | 125 | 28 | 48 | <0.005 | <0.001 | <0.001 |
| KS22-13 | 442.4 | 443.4 | 1 | 100 | 131 | 30 | 44 | <0.005 | <0.001 | <0.001 |
| KS22-13 | 443.4 | 444.4 | 1 | 100 | 1040 | 240 | 97 | 0.011 | 0.007 | <0.001 |
| KS22-13 | 444.4 | 445.4 | 1 | 100 | 1490 | 548 | 113 | 0.078 | 0.03 | 0.017 |
| KS22-13 | 445.4 | 445.7 | 0.3 | 100 | 1410 | 891 | 107 | <0.005 | 0.04 | 0.005 |
| KS22-13 | 461.9 | 462.9 | 1 | 100 | 86 | 79 | 13 | <0.005 | 0.001 | <0.001 |
| KS22-13 | 462.9 | 463.5 | 0.6 | 100 | 518 | 531 | 27 | <0.005 | 0.008 | 0.001 |
| KS22-13 | 463.5 | 463.8 | 0.3 | 100 | 10100 | 1870 | 352 | 1.005 | 0.23 | 0.03 |
| KS22-13 | 463.8 | 464.1 | 0.3 | 100 | 313 | 805 | 19 | <0.005 | 0.012 | 0.025 |
| KS22-13 | 464.1 | 465 | 0.9 | 100 | 165 | 294 | 18 | na | na | na |
| KS22-13 | 470.2 | 470.8 | 0.6 | 100 | 45 | 36 | 12 | na | na | na |
| KS22-14 | 75.7 | 76.55 | 0.85 | 100 | 477 | 33 | 63 | na | na | na |
| KS22-14 | 104 | 105.4 | 1.4 | 100 | 118 | 56 | 39 | na | na | na |
| KS22-14 | 145.1 | 146.6 | 1.5 | 100 | 53 | 31 | 31 | na | na | na |
| KS22-14 | 196.95 | 197.35 | 0.4 | 100 | 139 | 99 | 32 | na | na | na |
| KS22-14 | 201 | 201.55 | 0.55 | 100 | 193 | 161 | 25 | na | na | na |
| KS22-14 | 215 | 216 | 1 | 100 | 102 | 137 | 14 | na | na | na |
| KS22-14 | 216 | 216.7 | 0.7 | 100 | 251 | 145 | 27 | na | na | na |
| KS22-14 | 216.7 | 217.75 | 1.05 | 100 | 65 | 143 | 21 | na | na | na |
| KS22-14 | 217.75 | 218.75 | 1 | 100 | 41 | 25 | 11 | na | na | na |
| KS22-14 | 224.15 | 225.6 | 1.45 | 100 | 569 | 97 | 66 | na | na | na |
| KS22-15 | 172.65 | 173.3 | 0.65 | 100 | 107 | 31 | 36 | na | na | na |
| KS22-15 | 173.3 | 174 | 0.7 | 100 | 104 | 41 | 38 | na | na | na |
| KS22-15 | 276 | 276.35 | 0.35 | 100 | 77 | 232 | 22 | na | na | na |
| KS22-15 | 276.35 | 277.15 | 0.8 | 100 | 55 | 129 | 21 | na | na | na |
| KS22-15 | 277.15 | 277.45 | 0.3 | 100 | 264 | 215 | 45 | na | na | na |
| KS22-15 | 313.2 | 313.65 | 0.45 | 100 | 1680 | 2350 | 47 | <0.005 | 0.025 | 0.006 |
| KS22-15 | 313.65 | 313.95 | 0.3 | 100 | 14950 | 5940 | 547 | 1.005 | 0.358 | 0.024 |
| KS22-15 | 313.95 | 314.38 | 0.43 | 100 | 720 | 1700 | 34 | <0.005 | 0.02 | 0.052 |
| KS22-15 | 314.38 | 315.2 | 0.82 | 100 | 28700 | 16050 | 1045 | 1.29 | 1.145 | 0.064 |
| KS22-15 | 315.2 | 316 | 0.8 | 100 | 26000 | 6740 | 933 | 1.53 | 0.452 | 0.104 |
| KS22-15 | 316 | 317 | 1 | 100 | 629 | 1430 | 22 | <0.005 | 0.027 | 0.011 |
| KS22-15 | 317 | 318 | 1 | 100 | 309 | 479 | 17 | <0.005 | 0.011 | 0.001 |
| KS22-15 | 318 | 319 | 1 | 100 | 205 | 245 | 18 | <0.005 | 0.005 | <0.001 |
| KS22-16 | 125.6 | 126.6 | 1 | 100 | 34 | 57 | 12 | <0.005 | 0.001 | <0.001 |
| KS22-16 | 126.6 | 127.2 | 0.6 | 100 | 134 | 139 | 44 | <0.005 | 0.001 | <0.001 |
| KS22-16 | 127.2 | 128.2 | 1 | 100 | 1720 | 428 | 122 | 0.021 | 0.023 | 0.015 |
| KS22-16 | 128.2 | 129.2 | 1 | 100 | 1225 | 235 | 96 | <0.005 | 0.004 | 0.005 |
| KS22-16 | 129.2 | 129.8 | 0.6 | 100 | 1095 | 246 | 87 | <0.005 | 0.003 | <0.001 |
| KS22-16 | 129.8 | 130.8 | 1 | 100 | 1935 | 523 | 111 | 0.017 | 0.02 | 0.004 |
| KS22-16 | 130.8 | 131.7 | 0.9 | 100 | 2640 | 479 | 136 | 0.036 | 0.026 | 0.006 |
| KS22-16 | 131.7 | 132.7 | 1 | 100 | 2630 | 400 | 138 | 0.04 | 0.042 | 0.041 |
| KS22-16 | 132.7 | 133.5 | 0.8 | 100 | 1560 | 178 | 98 | 0.011 | 0.009 | 0.008 |
| KS22-16 | 133.5 | 134.3 | 0.8 | 100 | 2340 | 701 | 137 | 0.028 | 0.022 | 0.008 |
| KS22-16 | 134.3 | 135.1 | 0.8 | 100 | 1375 | 462 | 86 | 0.072 | 0.03 | 0.007 |
| KS22-16 | 135.1 | 135.4 | 0.3 | 100 | 5600 | 1510 | 344 | 0.079 | 0.069 | 0.004 |
| KS22-16 | 135.4 | 136 | 0.6 | 100 | 181 | 323 | 19 | <0.005 | 0.003 | 0.001 |
| KS22-16 | 151.1 | 152.15 | 1.05 | 100 | 647 | 71 | 65 | na | na | na |
| KS22-16 | 180.5 | 181.8 | 1.3 | 100 | 147 | 32 | 48 | na | na | na |
| KS22-16 | 189.95 | 190.9 | 0.95 | 100 | 137 | 49 | 37 | na | na | na |

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|---|---|---|---|---|---|---|---|---|---|---|
| KS22-16 | 206.5 | 207 | 0.5 | 100 | 38 | 173 | 26 | na | na | na |
| KS22-16 | 213.2 | 213.65 | 0.45 | 100 | 666 | 69 | 67 | na | na | na |
| KS22-16 | 227.3 | 227.85 | 0.55 | 100 | 536 | 97 | 64 | na | na | na |
| KS22-16 | 243 | 243.35 | 0.35 | 100 | 238 | 60 | 45 | na | na | na |
| KS22-16 | 244.05 | 244.55 | 0.5 | 100 | 430 | 58 | 63 | na | na | na |
| KS22-16 | 244.55 | 245.1 | 0.55 | 100 | 35 | 23 | 11 | na | na | na |
| KS22-16 | 248 | 248.6 | 0.6 | 100 | 108 | 75 | 15 | na | na | na |
| KS22-16 | 248.6 | 249.6 | 1 | 100 | 91 | 158 | 17 | na | na | na |
| KS22-16 | 252.55 | 253.6 | 1.05 | 100 | 122 | 51 | 7 | na | na | na |
| KS22-16 | 253.6 | 254.6 | 1 | 100 | 101 | 55 | 10 | na | na | na |
| KS22-16 | 254.6 | 255.6 | 1 | 100 | 130 | 67 | 13 | na | na | na |
| KS22-16 | 256.35 | 256.95 | 0.6 | 100 | 235 | 99 | 44 | na | na | na |
| KS22-16 | 257.4 | 257.95 | 0.55 | 100 | 153 | 74 | 26 | na | na | na |
| KS22-16 | 260.7 | 261.7 | 1 | 100 | 44 | 25 | 12 | na | na | na |
| KS22-16 | 264 | 264.55 | 0.55 | 100 | 441 | 53 | 57 | na | na | na |
| KS22-17 | 472 | 473 | 1 | 100 | 70 | 175 | 26 | na | na | na |
| KS22-17 | 473 | 473.4 | 0.4 | 100 | 90 | 359 | 49 | na | na | na |
| KS22-17 | 473.4 | 473.95 | 0.55 | 100 | 61 | 331 | 31 | na | na | na |
| KS22-17 | 487 | 488 | 1 | 100 | 67 | 65 | 20 | na | na | na |
| KS22-17 | 488 | 489.2 | 1.2 | 100 | 649 | 159 | 60 | 0.036 | 0.017 | 0.001 |
| KS22-17 | 489.2 | 490.2 | 1 | 100 | 1075 | 267 | 91 | 0.056 | 0.031 | 0.002 |
| KS22-17 | 490.2 | 491.2 | 1 | 100 | 833 | 181 | 82 | 0.034 | 0.011 | 0.003 |
| KS22-17 | 491.2 | 492.2 | 1 | 100 | 998 | 185 | 93 | 0.039 | 0.017 | 0.002 |
| KS22-17 | 492.2 | 493.2 | 1 | 100 | 698 | 43 | 80 | 0.012 | 0.005 | <0.001 |
| KS22-17 | 493.2 | 494.2 | 1 | 100 | 797 | 65 | 89 | 0.022 | 0.008 | <0.001 |
| KS22-17 | 494.2 | 495.1 | 0.9 | 100 | 844 | 125 | 82 | 0.036 | 0.02 | <0.001 |
| KS22-17 | 495.1 | 495.9 | 0.8 | 100 | 1845 | 398 | 126 | 0.089 | 0.04 | 0.003 |
| KS22-17 | 495.9 | 496.72 | 0.82 | 100 | 1070 | 146 | 88 | 0.042 | 0.017 | 0.001 |
| KS22-17 | 496.72 | 497.28 | 0.56 | 100 | 11150 | 1315 | 485 | 0.008 | 0.25 | 0.004 |
| KS22-17 | 497.28 | 498.28 | 1 | 100 | 1310 | 262 | 92 | 0.017 | 0.032 | 0.002 |
| KS22-17 | 498.28 | 499.28 | 1 | 100 | 934 | 106 | 78 | 0.07 | 0.015 | 0.004 |
| KS22-17 | 499.28 | 500.28 | 1 | 100 | 809 | 79 | 80 | 0.019 | 0.009 | <0.001 |
| KS22-17 | 500.28 | 501.45 | 1.17 | 100 | 1500 | 270 | 104 | 0.08 | 0.062 | 0.009 |
| KS22-17 | 501.45 | 501.78 | 0.33 | 100 | 19050 | 2670 | 877 | 1.48 | 0.625 | 0.021 |
| KS22-17 | 501.78 | 502.83 | 1.05 | 100 | 994 | 315 | 79 | 0.03 | 0.023 | 0.002 |
| KS22-17 | 502.83 | 503.88 | 1.05 | 100 | 1810 | 4390 | 102 | 0.098 | 0.057 | 0.007 |
| KS22-17 | 503.88 | 504.88 | 1 | 100 | 915 | 236 | 80 | 0.036 | 0.018 | 0.001 |
| KS22-17 | 504.88 | 505.88 | 1 | 100 | 961 | 203 | 79 | 0.024 | 0.023 | 0.002 |
| KS22-17 | 505.88 | 506.88 | 1 | 100 | 870 | 120 | 71 | 0.032 | 0.018 | 0.001 |
| KS22-17 | 506.88 | 507.95 | 1.07 | 100 | 813 | 152 | 81 | 0.034 | 0.029 | 0.001 |
| KS22-17 | 507.95 | 508.95 | 1 | 100 | 1150 | 247 | 98 | 0.061 | 0.056 | 0.002 |
| KS22-17 | 508.95 | 509.95 | 1 | 100 | 765 | 153 | 60 | 0.042 | 0.028 | 0.003 |
| KS22-17 | 509.95 | 510.95 | 1 | 100 | 906 | 231 | 85 | 0.026 | 0.027 | 0.002 |
| KS22-17 | 510.95 | 511.95 | 1 | 100 | 1065 | 227 | 87 | 0.082 | 0.07 | 0.005 |
| KS22-17 | 511.95 | 512.95 | 1 | 100 | 1005 | 240 | 90 | 0.042 | 0.052 | 0.002 |
| KS22-17 | 512.95 | 513.95 | 1 | 100 | 1020 | 240 | 90 | 0.065 | 0.067 | 0.003 |
| KS22-17 | 513.95 | 514.5 | 0.55 | 100 | 944 | 138 | 68 | 0.05 | 0.036 | 0.001 |
| KS22-17 | 514.5 | 514.8 | 0.3 | 100 | 2850 | 3730 | 170 | 0.193 | 0.175 | 0.001 |
| KS22-17 | 514.8 | 515.8 | 1 | 100 | 265 | 103 | 39 | na | na | na |
| KS22-18 | 85.8 | 86.8 | 1 | 100 | 1380 | 568 | 84 | na | na | na |
| KS22-18 | 86.8 | 87.8 | 1 | 100 | 1520 | 693 | 103 | na | na | na |
| KS22-18 | 87.8 | 88.6 | 0.8 | 100 | 1035 | 259 | 79 | na | na | na |
| KS22-18 | 88.6 | 89.6 | 1 | 100 | 1170 | 270 | 90 | na | na | na |
| KS22-18 | 89.6 | 90.6 | 1 | 100 | 1320 | 185 | 93 | na | na | na |
| KS22-18 | 90.6 | 91.6 | 1 | 100 | 1280 | 140 | 93 | na | na | na |
| KS22-18 | 91.6 | 92.2 | 0.6 | 100 | 1150 | 115 | 82 | na | na | na |
| KS22-18 | 118.35 | 119 | 0.65 | 100 | 570 | 95 | 63 | na | na | na |
| KS22-18 | 119 | 119.9 | 0.9 | 100 | 812 | 81 | 66 | na | na | na |
| KS22-18 | 168.2 | 168.5 | 0.3 | 100 | 75 | 324 | 67 | na | na | na |
| KS22-18 | 185.6 | 186.3 | 0.7 | 100 | 198 | 57 | 24 | na | na | na |
| KS22-18 | 186.3 | 187.15 | 0.85 | 100 | 785 | 107 | 76 | na | na | na |

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|---|---|---|---|---|---|---|---|---|---|---|
| KS22-18 | 187.15 | 188.2 | 1.05 | 100 | 75 | 49 | 12 | na | na | na |
| KS22-18 | 188.2 | 188.55 | 0.35 | 100 | 995 | 297 | 41 | na | na | na |
| KS22-18 | 188.55 | 189.5 | 0.95 | 100 | 61 | 72 | 13 | na | na | na |
| KS22-19 | 56.75 | 58 | 1.25 | 100 | 100 | 48 | 15 | na | na | na |
| KS22-19 | 58 | 59.2 | 1.2 | 100 | 45 | 150 | 13 | na | na | na |
| KS22-19 | 59.2 | 59.7 | 0.5 | 100 | 49 | 92 | 13 | na | na | na |
| KS22-19 | 59.7 | 60.7 | 1 | 100 | 57 | 46 | 15 | na | na | na |
| KS22-19 | 60.7 | 61.7 | 1 | 100 | 213 | 87 | 17 | na | na | na |
| KS22-19 | 61.7 | 62.7 | 1 | 100 | 38 | 95 | 10 | na | na | na |
| KS22-19 | 62.7 | 63.7 | 1 | 100 | 150 | 240 | 24 | na | na | na |
| KS22-19 | 63.7 | 64.8 | 1.1 | 100 | 61 | 187 | 11 | na | na | na |
| KS22-19 | 64.8 | 66 | 1.2 | 100 | 131 | 579 | 15 | na | na | na |
| KS22-19 | 66 | 67.5 | 1.5 | 100 | 33 | 48 | 9 | na | na | na |
| KS22-19 | 67.5 | 68.5 | 1 | 100 | 58 | 211 | 12 | na | na | na |
| KS22-19 | 68.5 | 69 | 0.5 | 100 | 715 | 115 | 76 | 0.017 | 0.016 | <0.001 |
| KS22-19 | 69 | 69.95 | 0.95 | 100 | 1175 | 2220 | 89 | 0.038 | 0.05 | 0.016 |
| KS22-19 | 69.95 | 70.26 | 0.31 | 100 | 1710 | 1815 | 81 | 0.054 | 0.046 | 0.033 |
| KS22-19 | 70.26 | 70.84 | 0.58 | 100 | 26200 | 16800 | 944 | 1.005 | 0.79 | 0.079 |
| KS22-19 | 70.84 | 71.84 | 1 | 100 | 113 | 385 | 12 | <0.005 | 0.003 | 0.001 |
| KS22-20 | 56.4 | 57.4 | 1 | 100 | 155 | 206 | 18 | <0.005 | 0.005 | 0.025 |
| KS22-20 | 57.4 | 58.65 | 1.25 | 100 | 111 | 231 | 10 | <0.005 | 0.006 | <0.001 |
| KS22-20 | 58.65 | 59.68 | 1.03 | 100 | 1715 | 9970 | 35 | <0.005 | 0.045 | 0.067 |
| KS22-20 | 59.68 | 60 | 0.32 | 100 | 16050 | 6010 | 284 | 12.15 | 0.547 | 0.076 |
| KS22-20 | 60 | 60.7 | 0.7 | 100 | 2160 | 1755 | 95 | 0.663 | 0.297 | 0.181 |
| KS22-20 | 60.7 | 61.35 | 0.65 | 100 | 1550 | 2770 | 93 | 0.242 | 0.169 | 0.045 |
| KS22-20 | 61.35 | 62.5 | 1.15 | 100 | 190 | 340 | 16 | 0.016 | 0.01 | 0.002 |
| KS22-20 | 62.5 | 63.65 | 1.15 | 100 | 52 | 129 | 12 | <0.005 | 0.003 | 0.001 |
| KS22-20 | 63.65 | 63.95 | 0.3 | 100 | 30800 | 15150 | 1180 | 0.925 | 1.09 | 0.086 |
| KS22-20 | 63.95 | 64.6 | 0.65 | 100 | 758 | 7350 | 26 | <0.005 | 0.025 | 0.035 |
| KS22-20 | 64.6 | 65.3 | 0.7 | 100 | 2620 | 1820 | 93 | <0.005 | 0.072 | 0.024 |
| KS22-20 | 65.3 | 66.3 | 1 | 100 | 171 | 84 | 15 | 0.011 | 0.006 | 0.004 |
| KS22-20 | 68.4 | 69.65 | 1.25 | 100 | 52 | 57 | 15 | na | na | na |
| KS22-20 | 69.65 | 70.65 | 1 | 100 | 716 | 210 | 77 | na | na | na |
| KS22-21 | 69 | 70 | 1 | 100 | 132 | 788 | 17 | <0.005 | 0.003 | 0.007 |
| KS22-21 | 70 | 71.1 | 1.1 | 100 | 2600 | 7610 | 42 | 0.31 | 0.105 | 0.1 |
| KS22-21 | 71.1 | 71.4 | 0.3 | 100 | 16600 | 2980 | 249 | 5.01 | 0.446 | 0.024 |
| KS22-21 | 71.4 | 72.65 | 1.25 | 100 | 3710 | 2490 | 101 | 1.67 | 0.24 | 0.114 |
| KS22-21 | 72.65 | 73.15 | 0.5 | 100 | 5930 | 1995 | 151 | 0.897 | 0.108 | 0.017 |
| KS22-21 | 73.15 | 73.9 | 0.75 | 100 | 1195 | 1320 | 34 | 0.006 | 0.033 | 0.01 |
| KS22-21 | 73.9 | 74.65 | 0.75 | 100 | 964 | 725 | 30 | 0.021 | 0.04 | 0.002 |
| KS22-21 | 74.65 | 75.45 | 0.8 | 100 | 43100 | 11100 | 1585 | 0.975 | 1.075 | 0.026 |
| KS22-21 | 75.45 | 76.3 | 0.85 | 100 | 2330 | 2400 | 77 | <0.005 | 0.037 | 0.005 |
| KS22-21 | 76.3 | 77.15 | 0.85 | 100 | 243 | 278 | 21 | <0.005 | 0.008 | <0.001 |
| KS22-21 | 77.15 | 78 | 0.85 | 100 | 1070 | 1230 | 38 | 0.011 | 0.032 | 0.013 |
| KS22-21 | 78 | 79 | 1 | 100 | 243 | 823 | 14 | <0.005 | 0.01 | 0.015 |
| KS22-22 | 105.35 | 106.35 | 1 | 100 | 60 | 124 | 14 | <0.005 | 0.001 | <0.001 |
| KS22-22 | 106.35 | 106.77 | 0.42 | 100 | 395 | 7010 | 19 | <0.005 | 0.006 | 0.002 |
| KS22-22 | 106.77 | 107.45 | 0.68 | 100 | 34800 | 12100 | 1375 | 1.525 | 0.875 | 5.9 |
| KS22-22 | 107.45 | 108.2 | 0.75 | 100 | 2810 | 2760 | 101 | <0.005 | 0.073 | 0.064 |
| KS22-22 | 108.2 | 109.2 | 1 | 100 | 1110 | 2690 | 40 | <0.005 | 0.042 | 0.174 |
| KS22-23 | 66.9 | 67.9 | 1 | 100 | 1165 | 1575 | 17 | <0.005 | 0.023 | 0.003 |
| KS22-23 | 67.9 | 68.8 | 0.9 | 100 | 870 | 1920 | 18 | <0.005 | 0.026 | 0.009 |
| KS22-23 | 68.8 | 69.6 | 0.8 | 100 | 896 | 4660 | 18 | 0.644 | 0.091 | 0.252 |
| KS22-23 | 69.6 | 70.7 | 1.1 | 100 | 1425 | 1465 | 74 | 0.026 | 0.035 | 0.012 |
| KS22-23 | 70.7 | 71.75 | 1.05 | 100 | 3020 | 1055 | 169 | 0.09 | 0.167 | 0.016 |
| KS22-23 | 71.75 | 72.07 | 0.32 | 100 | 10150 | 5260 | 301 | 1.13 | 0.238 | 0.032 |
| KS22-23 | 72.07 | 72.9 | 0.83 | 100 | 1690 | 2630 | 43 | <0.005 | 0.039 | 0.033 |
| KS22-23 | 72.9 | 73.7 | 0.8 | 100 | 1095 | 1355 | 29 | <0.005 | 0.023 | 0.01 |
| KS22-23 | 73.7 | 74 | 0.3 | 100 | 15600 | 15650 | 619 | 0.601 | 0.762 | 0.19 |
| KS22-23 | 74 | 75 | 1 | 100 | 296 | 198 | 18 | <0.005 | 0.007 | 0.001 |
| KS22-23 | 83.45 | 84 | 0.55 | 100 | 117 | 109 | 17 | 0.009 | 0.003 | <0.001 |

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|---|---|---|---|---|---|---|---|---|---|---|
| KS22-23 | 84 | 84.3 | 0.3 | 100 | 51 | 213 | 14 | <0.005 | 0.001 | <0.001 |
| KS22-23 | 84.3 | 84.75 | 0.45 | 100 | 70 | 247 | 24 | <0.005 | 0.002 | <0.001 |
| KS22-24 | 126.65 | 127.65 | 1 | 100 | 124 | 72 | 12 | 0.007 | 0.003 | <0.001 |
| KS22-24 | 127.65 | 128.6 | 0.95 | 100 | 398 | 1285 | 29 | <0.005 | 0.008 | <0.001 |
| KS22-24 | 128.6 | 129.6 | 1 | 100 | 458 | 450 | 25 | <0.005 | 0.013 | <0.001 |
| KS22-24 | 129.6 | 130.65 | 1.05 | 100 | 860 | 417 | 68 | 0.021 | 0.023 | 0.001 |
| KS22-24 | 130.65 | 131.25 | 0.6 | 100 | 502 | 664 | 23 | 0.018 | 0.028 | 0.001 |
| KS22-24 | 131.25 | 132.25 | 1 | 100 | 129 | 187 | 17 | <0.005 | 0.004 | <0.001 |
| KS22-24 | 132.25 | 133.25 | 1 | 100 | 38 | 42 | 10 | <0.005 | 0.001 | <0.001 |
| KS22-24 | 133.25 | 134.35 | 1.1 | 100 | 65 | 509 | 13 | <0.005 | 0.002 | 0.011 |
| KS22-24 | 134.35 | 135 | 0.65 | 100 | 25200 | 6780 | 911 | 1.775 | 0.684 | 0.043 |
| KS22-24 | 135 | 135.6 | 0.6 | 100 | 27900 | 12200 | 988 | 2.17 | 0.923 | 0.092 |
| KS22-24 | 135.6 | 136.5 | 0.9 | 100 | 1550 | 1695 | 43 | <0.005 | 0.062 | 0.039 |
| KS22-24 | 136.5 | 137.4 | 0.9 | 100 | 1010 | 757 | 24 | <0.005 | 0.029 | 0.003 |
| KS22-24 | 137.4 | 138.4 | 1 | 100 | 76 | 283 | 10 | <0.005 | 0.002 | 0.001 |
| KS22-25 | 128.6 | 129.6 | 1 | 100 | 468 | 2050 | 15 | <0.005 | 0.015 | 0.022 |
| KS22-25 | 129.6 | 130.45 | 0.85 | 100 | 2670 | 3760 | 75 | 0.006 | 0.074 | 0.042 |
| KS22-25 | 130.45 | 130.93 | 0.48 | 100 | 26600 | 21300 | 936 | 1.355 | 0.983 | 0.115 |
| KS22-25 | 130.93 | 131.55 | 0.62 | 100 | 471 | 866 | 20 | 0.007 | 0.025 | 0.004 |
| KS22-25 | 131.55 | 132.5 | 0.95 | 100 | 60 | 90 | 13 | <0.005 | 0.001 | <0.001 |
| KS22-26 | 54 | 55 | 1 | 100 | 871 | 923 | 47 | 0.05 | 0.049 | 0.009 |
| KS22-26 | 55 | 55.3 | 0.3 | 100 | 6840 | 3150 | 293 | 0.558 | 0.256 | 0.044 |
| KS22-26 | 55.3 | 55.6 | 0.3 | 100 | 1720 | 1785 | 108 | 0.018 | 0.125 | 0.031 |
| KS22-26 | 55.6 | 56.4 | 0.8 | 100 | 762 | 1485 | 36 | 0.039 | 0.02 | 0.025 |
| KS22-26 | 56.4 | 57.15 | 0.75 | 100 | 3150 | 1775 | 133 | 0.088 | 0.079 | 0.025 |
| KS22-26 | 57.15 | 57.8 | 0.65 | 100 | 799 | 1490 | 69 | 0.013 | 0.015 | 0.005 |
| KS22-26 | 57.8 | 58.4 | 0.6 | 100 | 899 | 471 | 78 | 0.017 | 0.031 | 0.009 |
| KS22-26 | 58.4 | 58.7 | 0.3 | 100 | 10450 | 10650 | 389 | 5.28 | 0.519 | 0.107 |
| KS22-26 | 58.7 | 59.65 | 0.95 | 100 | 1645 | 1680 | 72 | 0.024 | 0.041 | 0.057 |
| KS22-26 | 59.65 | 60.6 | 0.95 | 100 | 133 | 238 | 9 | 0.005 | 0.004 | 0.005 |
| KS22-26 | 60.6 | 61 | 0.4 | 100 | 25200 | 3310 | 903 | 1.265 | 0.581 | 0.013 |
| KS22-26 | 61 | 62 | 1 | 100 | 2100 | 11300 | 89 | 0.511 | 0.088 | 0.152 |
| KS22-26 | 62 | 63 | 1 | 100 | 2850 | 2330 | 115 | 0.959 | 0.19 | 0.119 |
| KS22-26 | 63 | 64 | 1 | 100 | 1835 | 2250 | 74 | <0.005 | 0.053 | 0.085 |
| KS22-26 | 64 | 65 | 1 | 100 | 2110 | 3650 | 79 | <0.005 | 0.073 | 0.175 |
| KS22-26 | 65 | 65.9 | 0.9 | 100 | 2270 | 3460 | 82 | 0.007 | 0.08 | 0.095 |
| KS22-26 | 65.9 | 66.73 | 0.83 | 100 | 17650 | 4280 | 653 | 1.45 | 0.637 | 0.1 |
| KS22-26 | 66.73 | 67.05 | 0.32 | 100 | 4590 | 6420 | 170 | 0.751 | 0.32 | 0.071 |
| KS22-26 | 67.05 | 68 | 0.95 | 100 | 2010 | 1285 | 88 | 0.042 | 0.123 | 0.036 |
| KS22-27 | 65.6 | 66 | 0.4 | 100 | 2090 | 1015 | 53 | 0.005 | 0.037 | 0.002 |
| KS22-27 | 66 | 67 | 1 | 100 | 1435 | 2940 | 22 | <0.005 | 0.028 | 0.028 |
| KS22-27 | 67 | 68 | 1 | 100 | 1860 | 5790 | 29 | <0.005 | 0.231 | 0.333 |
| KS22-27 | 68 | 69.1 | 1.1 | 100 | 1090 | 2940 | 21 | 0.111 | 0.074 | 0.068 |
| KS22-27 | 69.1 | 70.2 | 1.1 | 100 | 984 | 641 | 72 | 0.143 | 0.071 | 0.024 |
| KS22-27 | 70.2 | 71.3 | 1.1 | 100 | 1060 | 394 | 82 | 0.08 | 0.04 | 0.009 |
| KS22-27 | 71.3 | 72.1 | 0.8 | 100 | 674 | 804 | 68 | 0.008 | 0.024 | 0.006 |
| KS22-27 | 72.1 | 73 | 0.9 | 100 | 1605 | 5100 | 84 | 0.534 | 0.07 | 0.02 |
| KS22-27 | 73 | 74 | 1 | 100 | 40000 | 7490 | 1500 | 0.868 | 0.82 | 0.033 |
| KS22-27 | 74 | 74.95 | 0.95 | 100 | 39200 | 17400 | 1465 | 1.265 | 0.97 | 0.046 |
| KS22-27 | 74.95 | 75.75 | 0.8 | 100 | 459 | 872 | 23 | <0.005 | 0.01 | 0.01 |
| KS22-28 | 84.4 | 85.5 | 1.1 | 100 | 4100 | 4090 | 73 | 0.468 | 0.08 | 0.041 |
| KS22-28 | 85.5 | 85.95 | 0.45 | 100 | 10500 | 3160 | 217 | 1.395 | 0.239 | 0.056 |
| KS22-28 | 85.95 | 86.8 | 0.85 | 100 | 1350 | 786 | 64 | 0.097 | 0.058 | 0.017 |
| KS22-28 | 86.8 | 87.6 | 0.8 | 100 | 1275 | 363 | 93 | 0.023 | 0.032 | 0.003 |
| KS22-28 | 87.6 | 88.8 | 1.2 | 100 | 2350 | 3090 | 62 | 0.035 | 0.076 | 0.043 |
| KS22-28 | 88.8 | 90 | 1.2 | 100 | 799 | 1580 | 33 | 0.033 | 0.019 | 0.01 |
| KS22-28 | 90 | 90.4 | 0.4 | 100 | 38400 | 16450 | 1450 | 1.255 | 1.015 | 0.081 |
| KS22-28 | 90.4 | 91.2 | 0.8 | 100 | 380 | 2700 | 21 | <0.005 | 0.009 | 0.007 |
| KS22-29 | 15 | 16 | 1 | 100 | 1075 | 1185 | 30 | <0.005 | 0.029 | 0.003 |
| KS22-29 | 16 | 16.8 | 0.8 | 100 | 1895 | 1240 | 90 | 0.544 | 0.114 | 0.018 |
| KS22-29 | 16.8 | 17.52 | 0.72 | 100 | 2780 | 896 | 125 | 0.068 | 0.207 | 0.012 |

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|---|---|---|---|---|---|---|---|---|---|---|
| KS22-29 | 17.52 | 18.1 | 0.58 | 100 | 1705 | 1545 | 83 | 0.67 | 0.116 | 0.027 |
| KS22-29 | 18.1 | 18.82 | 0.72 | 100 | 3870 | 5400 | 160 | 0.887 | 0.34 | 0.144 |
| KS22-29 | 18.82 | 19.12 | 0.3 | 100 | 12600 | 1650 | 496 | 0.333 | 0.613 | 0.049 |
| KS22-29 | 19.12 | 20.1 | 0.98 | 100 | 5310 | 7140 | 216 | 0.553 | 0.331 | 0.033 |
| KS22-29 | 20.1 | 21.1 | 1 | 100 | 4220 | 7680 | 172 | 0.506 | 0.465 | 0.041 |
| KS22-29 | 21.1 | 22.2 | 1.1 | 100 | 168 | 487 | 19 | 0.02 | 0.011 | 0.004 |
| KS22-29 | 22.2 | 23.4 | 1.2 | 100 | 128 | 218 | 17 | <0.005 | 0.006 | 0.002 |
| KS22-29 | 23.4 | 24.6 | 1.2 | 100 | 102 | 225 | 15 | 0.009 | 0.003 | 0.003 |
| KS22-29 | 24.6 | 25.45 | 0.85 | 100 | 989 | 1325 | 37 | 0.01 | 0.029 | 0.014 |
| KS22-29 | 25.45 | 25.95 | 0.5 | 100 | 34800 | 12100 | 1300 | 0.85 | 0.937 | 0.153 |
| KS22-29 | 25.95 | 26.6 | 0.65 | 100 | 722 | 4430 | 28 | 0.025 | 0.043 | 0.059 |
| KS22-29 | 26.6 | 27.65 | 1.05 | 100 | 121 | 55 | 12 | 0.005 | 0.005 | 0.001 |
| KS22-29 | 31.8 | 32.8 | 1 | 100 | 975 | 136 | 80 | 0.008 | 0.007 | 0.001 |
| KS22-29 | 32.8 | 33.9 | 1.1 | 100 | 830 | 167 | 73 | 0.006 | 0.004 | 0.002 |
| KS22-29 | 33.9 | 35 | 1.1 | 100 | 970 | 168 | 84 | 0.006 | 0.006 | 0.001 |
| KS22-29 | 35 | 36.1 | 1.1 | 100 | 549 | 265 | 66 | <0.005 | 0.004 | 0.001 |
| KS22-30 | 70.75 | 71.9 | 1.15 | 100 | 1215 | 1250 | 42 | <0.005 | 0.023 | 0.013 |
| KS22-30 | 71.9 | 72.9 | 1 | 100 | 1550 | 4740 | 133 | 0.104 | 0.099 | 0.072 |
| KS22-30 | 72.9 | 74 | 1.1 | 100 | 2430 | 4290 | 97 | 0.022 | 0.105 | 0.113 |
| KS22-30 | 74 | 74.35 | 0.35 | 100 | 4810 | 2840 | 216 | 0.614 | 1.065 | 0.123 |
| KS22-30 | 74.35 | 74.75 | 0.4 | 100 | 27200 | 5330 | 917 | 3.21 | 1.41 | 0.393 |
| KS22-30 | 74.75 | 75.5 | 0.75 | 100 | 999 | 391 | 88 | 0.153 | 0.092 | 0.018 |
| KS22-31 | 20.65 | 21.8 | 1.15 | 100 | 763 | 292 | 76 | 0.019 | 0.02 | 0.002 |
| KS22-31 | 21.8 | 22.9 | 1.1 | 100 | 1000 | 2270 | 36 | 0.046 | 0.037 | 0.017 |
| KS22-31 | 22.9 | 24 | 1.1 | 100 | 1135 | 376 | 95 | 0.042 | 0.039 | 0.004 |
| KS22-31 | 24 | 24.65 | 0.65 | 100 | 1300 | 473 | 110 | 0.055 | 0.054 | 0.003 |
| KS22-31 | 24.65 | 24.95 | 0.3 | 100 | 23100 | 7500 | 836 | 0.153 | 0.596 | 0.016 |
| KS22-31 | 24.95 | 25.4 | 0.45 | 100 | 5590 | 2810 | 222 | 0.166 | 0.227 | 0.048 |
| KS22-31 | 25.4 | 25.9 | 0.5 | 100 | 2150 | 7000 | 96 | 0.057 | 0.138 | 0.08 |
| KS22-31 | 25.9 | 26.2 | 0.3 | 100 | 2750 | 23600 | 133 | 0.01 | 0.207 | 0.066 |
| KS22-31 | 26.2 | 26.96 | 0.76 | 100 | 587 | 7350 | 29 | <0.005 | 0.05 | 0.026 |
| KS22-31 | 26.96 | 27.4 | 0.44 | 100 | 16450 | 3980 | 589 | 2.65 | 0.615 | 0.033 |
| KS22-31 | 27.4 | 28.4 | 1 | 100 | 409 | 2620 | 23 | 0.013 | 0.038 | 0.005 |
| SP21-03 | 49.6 | 50.67 | 1.07 | 100 | 342 | 478 | 18 | <0.005 | 0.001 | <0.001 |
| SP21-03 | 50.67 | 52.11 | 1.44 | 100 | 3950 | 1720 | 145 | 0.011 | 0.006 | 0.003 |
| SP21-03 | 52.11 | 53 | 0.89 | 100 | 14400 | 30900 | 385 | 0.014 | 0.021 | 0.217 |
| SP21-03 | 53 | 53.3 | 0.3 | 100 | 12600 | 4550 | 346 | 0.009 | 0.004 | 0.002 |
| SP21-03 | 53.3 | 53.95 | 0.65 | 100 | 2200 | 2050 | 82 | 0.014 | 0.002 | 0.003 |
| SP21-03 | 53.95 | 55.1 | 1.15 | 100 | 128 | 69 | 9 | <0.005 | <0.001 | 0.002 |
| SP22-01 | 36.05 | 37.05 | 1 | 100 | 271 | 197 | 25 | <0.005 | 0.001 | 0.001 |
| SP22-01 | 37.05 | 37.37 | 0.32 | 100 | 19900 | 22100 | 551 | 0.025 | 0.018 | 0.027 |
| SP22-01 | 37.37 | 37.77 | 0.4 | 100 | 41400 | 3020 | 1055 | 0.036 | 0.035 | 0.006 |
| SP22-01 | 37.77 | 38.15 | 0.38 | 100 | 21300 | 5140 | 539 | 0.011 | 0.026 | 0.019 |
| SP22-01 | 38.15 | 38.61 | 0.46 | 100 | 8260 | 7210 | 226 | 0.009 | 0.006 | 0.018 |
| SP22-01 | 38.61 | 38.91 | 0.3 | 100 | 40000 | 1210 | 985 | 0.017 | 0.017 | 0.004 |
| SP22-01 | 38.91 | 39.7 | 0.79 | 100 | 23600 | 1370 | 602 | 0.026 | 0.008 | 0.003 |
| SP22-01 | 39.7 | 40 | 0.3 | 100 | 20700 | 1480 | 466 | 0.015 | 0.019 | 0.001 |
| SP22-01 | 40 | 41 | 1 | 100 | 1290 | 752 | 78 | <0.005 | <0.001 | 0.002 |
| SP22-01 | 41 | 42 | 1 | 100 | 312 | 67 | 23 | <0.005 | <0.001 | 0.001 |
| SP22-02 | 74.05 | 75.05 | 1 | 100 | 174 | 78 | 20 | <0.005 | <0.001 | 0.001 |
| SP22-02 | 75.05 | 75.35 | 0.3 | 100 | 310 | 82 | 28 | <0.005 | 0.001 | 0.001 |
| SP22-02 | 75.35 | 75.75 | 0.4 | 100 | 306 | 1680 | 20 | <0.005 | <0.001 | 0.006 |
| SP22-02 | 75.75 | 76.68 | 0.93 | 100 | 1645 | 2890 | 75 | <0.005 | 0.001 | 0.006 |
| SP22-02 | 76.68 | 77 | 0.32 | 100 | 5670 | 495 | 176 | 0.006 | 0.007 | 0.001 |
| SP22-02 | 77 | 77.9 | 0.9 | 100 | 4490 | 1915 | 152 | 0.007 | 0.006 | 0.003 |
| SP22-02 | 77.9 | 78.2 | 0.3 | 100 | 7750 | 2800 | 236 | 0.006 | 0.01 | 0.007 |
| SP22-02 | 78.2 | 79.4 | 1.2 | 100 | 1875 | 817 | 91 | <0.005 | 0.001 | 0.003 |
| SP22-02 | 79.4 | 80.4 | 1 | 100 | 143 | 64 | 20 | <0.005 | <0.001 | 0.001 |
| SP22-02 | 95.82 | 96.14 | 0.32 | 100 | 102 | 55 | 23 | na | na | na |
| SP22-02 | 96.5 | 96.8 | 0.3 | 100 | 696 | 136 | 49 | na | na | na |
| SP22-03 | 24.5 | 25 | 0.5 | 100 | 611 | 137 | 64 | na | na | na |

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|---|---|---|---|---|---|---|---|---|---|---|
| SP22-03 | 25 | 26 | 1 | 100 | 240 | 125 | 49 | na | na | na |
| SP22-03 | 26 | 26.95 | 0.95 | 100 | 220 | 87 | 47 | na | na | na |
| SP22-03 | 52.2 | 52.5 | 0.3 | 100 | 36 | 41 | 13 | na | na | na |
| SP22-03 | 120.15 | 121.15 | 1 | 100 | 331 | 108 | 41 | na | na | na |
| SP22-03 | 121.15 | 122.15 | 1 | 100 | 438 | 112 | 54 | na | na | na |
| SP22-03 | 122.15 | 123.1 | 0.95 | 100 | 510 | 103 | 61 | na | na | na |

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**Appendix One**
JORC Code, 2012 Edition | 'Table 1' Report
**Section 1 Sampling Techniques and Data**
The notes compiled here specifically relate to the new (previously unannounced) drill holes and assays given in Tables 1 and 2. Previous drilling results are explained in previous ASX announcements.

| 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.<br>• Measures taken to ensure sample representivity and the appropriate calibration of any measurement tools or systems used.<br>• 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. | • Assays are reported for 36 diamond core drill holes for a total of 7,172 m of drilling.<br>• The drill core was cut by diamond core saw and continuous quarter (NQ & HQ) core sample taken for assay according to lithological criteria in intervals ranging from 0.3 m to 1.95 m with a mean of 0.83 m.<br>• Sample weights for assay ranged from approx. 0.3 to 4.7 kg with a mean of c. 1.6 kg.<br>• Drilling and sampling were both supervised by a suitably qualified geologist.<br>• Sulfide abundances were estimated by suitably qualified Ban Phuc Nickel Mines geologist and the presence of Ni and Cu confirmed using a Niton portable XRF device.<br>• For the Company's best understanding of previous owner's drilling please refer to previous Blackstone Minerals' announcements to the ASX and additionally available from http://blackstoneminerals.com.au. |
| 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). | • The drilling was of HQ (64mm) and NQ (48mm) diameter and was conducted by drilling contractor Intergeo using Longyear diamond coring rigs and Ban Phuc Nickel Mines using GX-1TD and GK300 diamond coring rigs.<br>• Selected core runs were orientated with REFLEX ACTIII tools. |
| Drill sample recovery | • Method of recording and assessing core and chip sample recoveries and results assessed.<br>• Measures taken to maximise sample recovery and ensure representative nature of the samples.<br>• 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. | • Recoveries were calculated by Ban Phuc Nickel Mines personnel by measuring recovered core length vs downhole interval length.<br>• Drill core recovery through the reported mineralised zones ranged from 85 to 100 % with a mean of 99% (see Table 4).<br>• There is no discernible correlation between grades and core recovery. |
| 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.<br>• Whether logging is qualitative or quantitative in nature. Core (or costean, channel, etc.) photography.<br>• The total length and percentage of the relevant intersections logged. | • All of the drill core was qualitatively geologically logged by a suitably qualified Ban Phuc Nickel Mines geologist. Sulfide mineral abundances were visually estimated.<br>• The detail of geological logging is considered sufficient for mineral exploration.<br>• 36 holes for 7,172 m were logged and 404 m assayed on the basis of the visual presence of sulfides. |
| Sub-sampling techniques and sample preparation | • If core, whether cut or sawn and whether quarter, half or all core taken.<br>• If non-core, whether riffled, tube sampled, rotary split, etc. and whether sampled wet or dry. | • The drill core was cut lengthwise by diamond core saw and continuous half or quarter core sample bagged for assay in intervals according to lithological criteria determined by a Ban Phuc Nickel Mines geologist. Sampling intervals ranged from 0.3 m to 1.95 m with a mean of 0.83 m. |

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| Criteria | JORC Code explanation | Commentary |
|---|---|---|
| | • For all sample types, the nature, quality and appropriateness of the sample preparation technique.<br>• Quality control procedures adopted for all sub-sampling stages to maximise representivity of samples.<br>• 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.<br>• Whether sample sizes are appropriate to the grain size of the material being sampled. | Continuous remnant core has been retained in the trays for future reference or sampling as necessary. Duplicate quarter core samples were collected.<br>• Sample weights for assay ranged from approx. 0.3 to 4.7 kg with a mean of c. 1.6 kg.<br>• The bagged core samples were submitted to SGS Hai Phong, Vietnam ('SGS') where the quarter core samples were dried and crushed to -5 mm, then a 250 g was split from each and pulverised to 85 % passing 75 microns to produce the analytical pulps which were then dispatched to ALS Geochemistry, Perth WA ('ALS') for assay.<br>• The presence of Ni and Cu in the logged sulfide zones was confirmed by non-destructive spot analyses using a Niton portable XRF device. Factory calibration settings were used |
| 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.<br>• 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.<br>• 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. | • Ni, Cu and Co were determined at ALS by industry standard nitric + perchloric + hydrofluoric + hydrochloric acid digest with ICP-AES finish.<br>• Pt, Pd and Au were determined at ALS by industry standard 50 g fire assay and ICP-AES finish.<br>• Approx. one commercially certified assay standard per 25 core samples was inserted by Blackstone Minerals in each sample submission. All standards reported within 10 % of the Ni, Cu, Co, Au, Pt & Pd reference values (mean difference 1%).<br>• Approximately one crushed rock blank per 25 samples was included in the submission and reported below 20 ppm for Ni, Cu and Co, less than 5 ppb for Au, Pt and Pd.<br>• Quarter core duplicates were included at a rate of approx. 1 per 25 samples and sampling error is considered acceptable. |
| Verification of sampling and assaying | • The verification of significant intersections by either independent or alternative company personnel.<br>• The use of twinned holes.<br>• Documentation of primary data, data entry procedures, data verification, data storage (physical and electronic) protocols.<br>• Discuss any adjustment to assay data. | • The assay results are compatible with the observed mineralogy, historic mining and exploration results (please refer to previous Blackstone Minerals' announcements to the ASX and additionally available from http://blackstoneminerals.com.au).<br>• Twinned holes were not used.<br>• Primary data is stored and documented in industry standard ways.<br>• Assay data is as reported by ALS and has not been adjusted in any way.<br>• Remnant assay pulps are currently held in storage by the assay laboratory. |
| 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.<br>• Specification of the grid system used.<br>• Quality and adequacy of topographic control. | • Drill hole collar location was determined by Leica 1203+ total station survey to centimetre accuracy.<br>• The holes were down hole orientation surveyed using a Deviflex non-magnetic survey tool.<br>• Co-ordinates were recorded in Ban Phuc Mine Grid and UTM Zone 48N WGS84 grid and coordinate system. |

| Criteria | JORC Code explanation | Commentary |
|---|---|---|
| | | • Topographic control is provided by a precision Ban Phuc Nickel Mines Digital Terrain Model. |
| Data spacing and distribution | • Data spacing for reporting of Exploration Results.<br>• 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.<br>• Whether sample compositing has been applied. | • The drilling at King Snake was 50 x 50 m and 25 x 25 m spacing for resource definition, and drilling at Suoi Phang 50 x 50 m and greater spacing. Drilling was conducted on local grids tie to UTM VN2000 and WGS84 systems.<br>• All visibly altered or mineralised zones in the drill core were sampled and assayed (see above). Non-composited data is reported.<br>• The reported drill results will be used to upgrade confidence in the King Snake resource.<br>• Suoi Phang is pre-resource exploration status |
| 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.<br>• 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. | • Previous drilling and interpretation indicate the reported drill holes are suitably orientated to test the target zones.<br>• Sectional interpretation and structural orientations determined from drill core suggest the King Snake true thicknesses are c. 60-80% of the down hole thickness.<br>• A relevant long section is included in the announcement. |
| Sample security | • The measures taken to ensure sample security. | • The chain of custody for the drill core samples from collection to dispatch to the assay laboratory was managed by Ban Phuc Nickel Mines personnel. Sample numbers were unique and did not include any locational information useful to non-Ban Phuc Nickel Mines and non-Blackstone Minerals personnel. The level of security is considered appropriate. |
| Audits or reviews | • The results of any audits or reviews of sampling techniques and data. | • The assay results agree well with the observed mineralogy, historic mining and exploration results. The presence of Ni and Cu in pre-assay logged sulfide zones were also confirmed by Niton portable XRF device (refer to previous Blackstone Minerals announcements to the ASX and additionally available from http://blackstoneminerals.com.au).<br>• Further drilling is planned to refine the shape and extents of mineralised zones as necessary. |

**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.<br>• 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 drilling was located within the Ta Khoa Concession and is covered by the Foreign Investment Licence, 522 G/P, which Ban Phuc Nickel Mines Joint Venture Enterprise (BPNMJVE) was granted on January 29th, 1993. Blackstone Minerals Limited owns 90% of Ban Phuc Nickel Mines. |

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| Criteria | Explanation | Commentary |
|---|---|---|
| Exploration done by other parties | • Acknowledgment and appraisal of exploration by other parties. | • The first significant work on the Ban Phuc nickel deposit and various adjacent prospects including Ban Chang was by the Vietnamese Geological Survey in the 1959-1963 period. The next significant phase of exploration and mining activity was by Asian Mineral Resources from 1996 to 2018, including mining of the Ban Phuc massive sulfide vein mining during the 2013 to 2016 period. The project, plant and infrastructure has been on care and maintenance since 2016. |
| Geology | • Deposit type, geological setting and style of mineralisation. | • The late Permian Ta Khoa nickel-copper-sulfide deposits and prospects are excellent examples of the globally well-known and economically exploited magmatic nickel – copper sulfide deposits. The identified nickel and copper sulfide mineralisation within the project include disseminated, net texture and massive sulfide types. The disseminated and net textured mineralisation occurs within dunite adcumulate intrusions, while the massive sulfide veins typically occur in the adjacent metasedimentary wall-rocks and usually associated with narrow ultramafic dykes. For more detail of the deposit and regional geology see Mapleson and Grguric N43-101 Technical Report on the Ta Khoa (Ni Cu Co PGE) Prospects Son La Province, Vietnam available from System for Electronic Document Analysis and Retrieval (**www.sedar.com**) for Asian Minerals Resources Limited. A recent summary of the geology of the Ban Phuc intrusion can be found in Wang et al 2018, A synthesis of magmatic Ni-Cu-(PGE) sulfide deposits in the ~260 Ma Emeishan large igneous province, SW China and northern Vietnam, Journal of Asian Earth Sciences 154. |
| 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:<br>o easting and northing of the drill hole collar;<br>o elevation or RL (Reduced Level – elevation above sea level in metres) of the drill hole collar;<br>o dip and azimuth of the hole<br>o down hole length and interception depth;<br>o hole length.<br>• If the exclusion of this information is justified on the basis that the information is not Material and this exclusion does not detract from the understanding of the report, the Competent Person should clearly explain why this is the case. | • Drill hole coordinates, depth, orientation, hole length and assay results are given in Tables 1 and 2.<br>• For the Company's best understanding of previous owners drilling please refer to previous Blackstone Minerals announcements to the ASX and additionally available from http://blackstoneminerals.com.au |
| 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. | • Assay results given in Table 2 represent the drill core intervals as sampled and assayed.<br>• Upper cuts have not been applied.<br>• Metal equivalent values are not used. |

| Criteria | Explanation | Commentary |
|---|---|---|
| | • 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.<br>• The assumptions used for any reporting of metal equivalent values should be clearly stated. | |
| Relationship between mineralisation widths and intercept lengths | • These relationships are particularly important in the reporting of Exploration Results.<br>• If the geometry of the mineralisation with respect to the drill hole angle is known, its nature should be reported.<br>• 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 intervals reported in Table 1 are down hole.<br>• The King Snake intersections range from c. 60 to >80% of true thickness.<br>• There is currently insufficient understanding of mineralisation geometry at Suoi Phang to estimate true thickness.<br>• Appropriate drill sections are included in the body of this release. |
| 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. | • Appropriate exploration plan and sections are included in the body of this release. |
| 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. | • All drill results given in Table 2 represent the intervals as sampled and assayed. |
| 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. | • Appropriate exploration plan and sections are included in the body of this release.<br>• For the Company's best understanding of previous owners drilling please refer to previous Blackstone Minerals announcements to the ASX and additionally available from http://blackstoneminerals.com.au |
| 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).<br>• Diagrams clearly highlighting the areas of possible extensions, including the main geological interpretations and future drilling areas, provided this information is not commercially sensitive. | • Blackstone Minerals proposes to conduct further drilling and associated activities to better define and extend the identified mineralised zones.<br>• An appropriate long section is included in the body of this release. |

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