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South Pacific METALS CORP

Transformative Gold and Copper Exploration in Papua New Guinea

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Technical Information: Technical information relating to the projects contained in this presentation has been reviewed and approved by Darren Holden, B.Sc., (Hons), Ph.D, and fellow of the Australasian Institute of Mining and Metallurgy. Dr Holden is a technical advisor and consultant to the company, and employee of GeoSpy PTY Limited and is a Qualified Person as defined by National Instrument 43-101 standards of disclosure for mineral projects. Information on the Kili Teke mineral resource estimate can be found in the independent technical report titled "Independent Technical Report on the Geology, Mineralization, and Recommended Exploration of the Kainantu Project, Papua New Guinea" dated November 18, 2022, which was prepared by Graeme J. Fleming, B. App. Sc., MAIG, and prepared in accordance with National Instrument 43-101 – Standards of Disclosure for Mineral Projects ("NI 43-101"). Mr. Fleming is a "qualified person" under NI 43-101 and is an independent consultant to the Company, who has approved and verified the data and information as related to the mineral resource estimate. Reference should be made to the full text of the Technical Report, which is available for review on SEDARplus at www.sedarplus.ca.



SOUTH PACIFIC METALS TICKS ALL THE BOXES



SOME OF THE BEST GEOLOGY IN THE WORLD, HOST TO WORLD-CLASS GOLD-COPPER DEPOSITS

- Four world-class gold-copper projects, all in vicinity of major producers / large resources
- All projects have been worked and drilled, one with an inferred resource
- Focus: Osena & Anga, our two Au-Cu mineralized properties adjacent to K92, where we believe the mineralization continues



SOCIAL LICENSE TO OPERATE, INFRASTRUCTURE, JURISDICTION AND NEIGHBOURHOOD

- Federally-connected shareholder base, giving us exceptional government access and support
- In-country Technical/Social/Administrative team in place



CORE FINANCIAL SPONSORS – COMMITTED TO SUPPORT NEXT-STAGE DEVELOPMENT

Trinity Capital, Commodity Capital, Bowering Projects, etc.



TIGHT AND STRONG CAPITAL STRUCTURE

- Thirty-eight million shares out, 2.5 million in the money options
- Seventy percent of shares are owned by insiders and strategic investors



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THE GROUP HAS DONE THIS BEFORE

Torex (TSE: TSG), Prime (TSX: PRYM), American Lithium (TSX: LI), Millennial Lithium (TSXV: ML)

DISTRICT-SCALE EXPLORATION

Compelling Gold-Copper Projects with a Clear Path to Unlocking District-Scale Value



PROJECT PORTFOLIO: EVIDENCE OF LARGE-SCALE Cu-Au PORPHYRY & VEIN SYSTEMS

K92-ADJACENT OSENA AND ANGA PROJECTS

- Both border K92, show similar geological, structural and metal associations to K92, along a major 45 km Cu-Au mineralized trend
- Shows classic Cu-Au porphyry style alteration and geophysical signatures and lode-gold metal associations
- 100%-owned, road accessible and no royalties

FRIEDA RIVER ADJACENT MAY RIVER PROJECT

- Borders the giant Frieda River Au-Cu Project with 29 Blbs Cu & 20 Moz Au, with similar geology & structural setting
- Multiple epithermal gold deposits, VMS deposits and Cu-Au porphyry prospects and targets
- Historical drilling includes 109 m of 1.53 g/t Au and 18 m of 11.9% Cu and 2 g/t Au at surface
- 100%-owned and no royalties

KILI TEKE PROJECT

- 40 km west of Barrick's operating Porgera Gold Mine, hosting similar geology, structure and gold metal anomalies
- 1.81 Moz Au, 802 kt Cu Inferred Mineral Resource (237 Mt at 0.24 g/t Au and 0.34% Cu)* in one porphyry deposit
- 100%-owned and 2% royalty

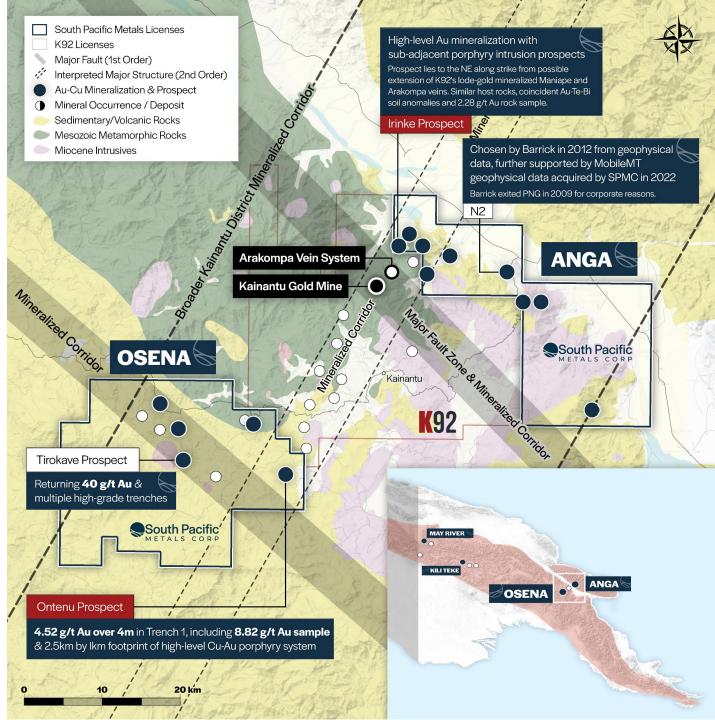
*Refer to NI43101 Technical Report for the Kili Teke Project, effective November 18,2022

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KAINANTU GOLD DISTRICT

Immediately Adjacent to K92 Minings' Operation

- Ideal Neighbourhood
 - Active gold mining operations in a wellendowed district
- Ability to Operate
 - Excellent infrastructure highway access to both projects and nearby K92 Kainantu Gold Mine with existing power and water infrastructure
 - In-country community and exploration team members in place
- We Know What We Are Looking For
 - Because of historical work, and endowment of the neighbourhood and an understanding of known deposits we have clear gold and copper targets
 - The pathfinders are all there

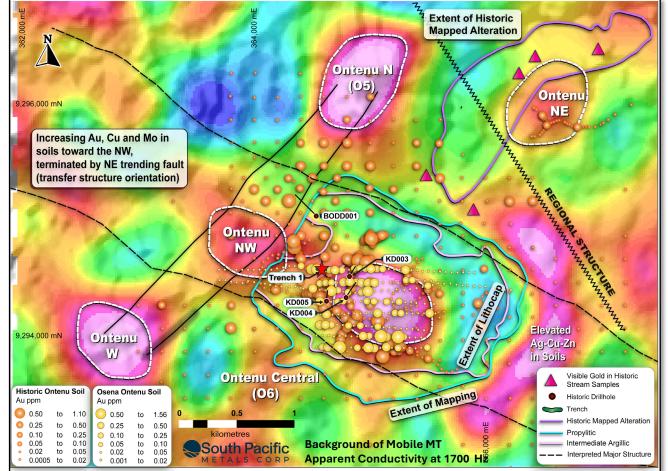


LARGE PORPHYRY Cu-Au COMPLEX IDENTIFIED

OSENA GOLD-COPPER PROJECT

- Large-scale, cluster of five intrusive Cu-Au-Mo target. Porphyry, vein and skarn prospects extend over 5 x 3 km associated with major NE and NW trending structures – same setting K92's deposits
- Recent trenching: 79 m averaging 0.75 g/t Au including 4 m at 4.52 g/t Au and peak values of 8.82 g/t Au
- Historical exploration: extensive soil Au-Cu anomalies and encouraging drill results such as 100 m @ 0.32 g/t Au from 14 m down hole (KD005) at Ontenu Central.
 Not all targets recognized by previous operators
- Metal signatures combined with the presence of Auhosting structures and high-level argillic alteration suggest a later gold-overprint event
- All geophysical targets are untested by drilling and more than two-thirds of Osena remain unexplored

Ontenu Cu-Au Porphyry, Epithermal and Skarn Complex and Prospects



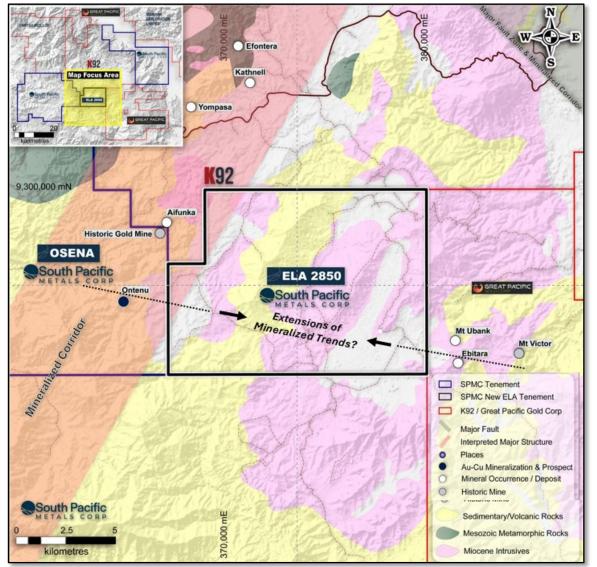
*Historic project data acquired directly from previous operators or from public reports submitted as part of work requirements to the Mineral Resources Authority of PNG, by previous operators.

OSENA GOLD-COPPER PROJECT EXPANSION

Expanding Opportunity for Discovery

- Exploration License Application 2850 ("ELA 2850") acquired covering 112 km² prospective land, expanding the Osena Gold-Copper Project to the east immediately south of K92 Mining
- Lies immediately east of the Ontenu Cu-Au Prospect and immediately west of the Mt. Victor gold district, which hosts the formerly operating Mt. Victor gold mine*
 - Mt. Victor operated between 1987-1990, producing 20,000 gold ounces at a grade of 3.53 g/t Au. This district also hosts several epithermal gold and coppergold porphyry prospects
- NW-SE trending copper-gold mineralized trends may extend onto the new ELA which is relatively unexplored;
- Total land package at Osena Project climbs to 738 km²

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Osena Project Expansion – new Exploration License Application EL 2850

^{*} Refer to The Mount Victor Gold Mine, Eastern Highlands Province, Papua New Guinea, PNG Geology, Exploration and Mining Conference, Rabaul, June 1991 Conference Proceedings Abstract

TARGETING K92-STYLE LODE-GOLD VEIN MINERALIZATION

ANGA GOLD-COPPER PROJECT

- Borders K92, geologically and structurally similar to the Arakompa and Maniape gold vein district
 - K92's drilling at Arakompa returns excellent intercepts: 94.40 m @ 3.06 g/t Au*. The body continues to grow – now extending over 750 m strike length*
- Recent surface sampling program at Anga successfully identifies a North trending shear zone, exposed over 17 m x 2 m
- New surface samples sent for assay 169 soil samples and 68 rock chip samples
- Multiple prospects include high-level carbonate base metal gold veins, breccias and Cu-Au porphyry prospects lying 4 km along strike from Arakompa vein system

*Refer to K92 news releases dated June 10, 2024 and October 22, 2024

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Strongly phyllic (sericite, quartz, pyrite) altered brecciated diorite exposed over 17 m length, 2 m width.

Chalcopyrite hosted in the strongly phyllic (sericite, quartz, pyrite) altered brecciated diorite.

30 cm wide quartz-carbonate vein breccia that returned 2.28 g/t Au in 2022,

ANGA GOLD-COPPER PROJECT

Multiple Cu-Au Porphyry and Lode-Gold Style Targets

- Multiple Cu-Au-Mo porphyry centres suggested by geochemical & geophysical anomalies proximal to known-mineralizing intrusives
- Large footprint (4 x 3 km) Au-Te-Cu-Bi soil anomaly hosting higher grade Au in structures: similar to K92 with a later gold overprint
- Potential for Maniape and Arakompa vein systems to extend onto Anga Project:
 - 2.28 g/t Au sampled in 30 cm Au-carbonate base metal vein in 2022 now extending over 24 m length
 - Shear zone identified hosting similar geology to known lode-style veins
 - Rock samples up to 2.7% Cu in unsourced float • - to be followed up
- Two-thirds of the project remain untested

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Map Focus Area ANGA Au Vein KAINANTU Prospects Recent mapping and sampling -9.325,000 mN Au Vein Shear Zone Target Au Vein Prospects Float Rock Rock Chips 2.7% Cu 2.28 g/t Au 4.0 29.6 31.4 32.6 33.6 34.7 49.6 **Possible Projection** Apparent Conductivity of Similar Conductor at 709 Hz (mS/m) EL Boundary - SPMC Soil Au 4ppb Mapping & Sampling Area Lode-Gold Vein Mapped Shear Zone Maniape Vein Mapped Intrusives Arakompa Vein Mapped Hydrothermal Alteration Mineralization Trend ARAKOMPA kilometres **Rock Samples** 0

Anga Project Cu-Au Epithermal Vein and Porphyry Prospects

Readers are cautioned that mineral deposits on adjacent properties are not indicative of mineral deposits on the Company's properties

Porphyry Targets

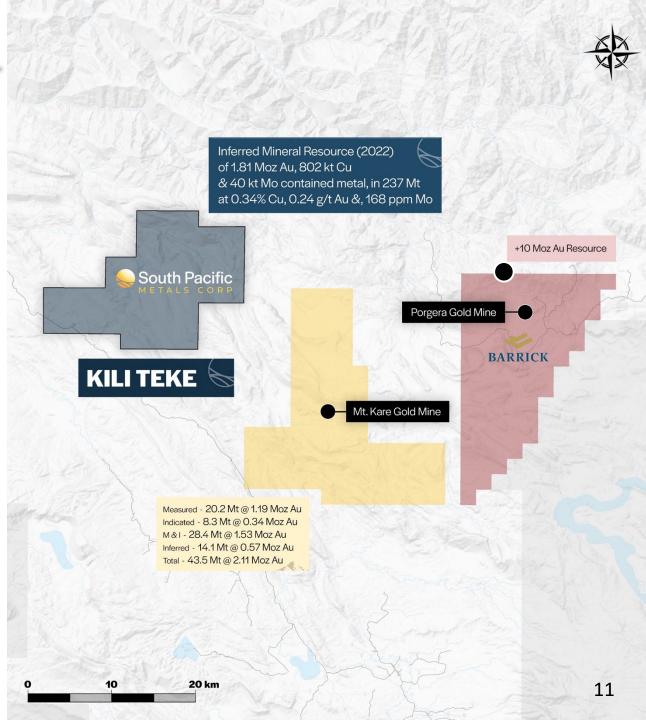
CLASSIC PORPHYRY CU-AU SYSTEM WITH A POTENTIAL PORGERA-LIKE GOLD OVERPRINT

KILI TEKE GOLD-COPPER PROJECT

- Located in a prolific gold mineralized region 40 km W of Barrick's operating Porgera Gold Mine and 20 km NW of Mt. Kare (historic gold mine)
- Geology, structural setting and metal anomalies (Au-Te-Bi) and identical to that at Porgera
- Inferred mineral resource defined on only a portion of the system: the Central Porphyry hosts 1.81 Moz Au, 802 kt Cu & 40 kt Mo contained metal, in 237 Mt at 0.34% Cu, 0.24 g/t Au &, 168 ppm Mo*
 - Resource underpinned by multiple high-grade drill intercepts such as 152 m @ 1.17% Cu, 0.93 g/t Au (KTDD045 from 46 m)
- Multiple skarns not yet included in resource including
 7.8 m @ 13.3% Cu, 11.75 g/t Au, 21.07 g/t Ag within
 54 m @ 2.1% Cu, 1.82 g/t Au, 3.87 g/t Ag (from 878 m depth down hole)



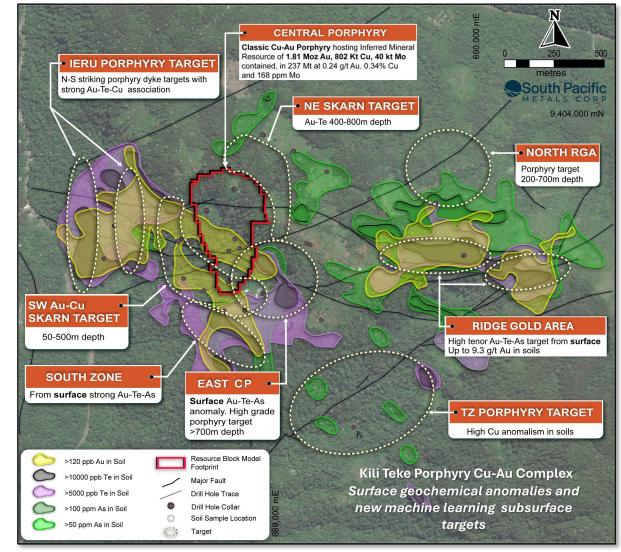
*Refer to NI43101 Technical Report for the Kili Teke Project, effective November 18,2022. Mineral Resources that are not Mineral Reserves and do not have demonstrated economic viability



MULTIPLE DRILL-READY TARGETS PROXIMAL TO RESOURCE

Recent Targeting Completed Using Machine Learning

- Recently completed targeting exercise identified 10
 exploration targets proximal to Kili Teke's Central Porphyry mineral resource:
 - Additional Cu at depth beneath the current resourcepredicting increasing bornite content;
 - Adjacent porphyries leru Porphyry where previous trenching returned 93 m trench with 0.55% Cu, 0.7 g/t Au
 - Skarn targets with potential to host high-grade Cu-Au, as evidenced by historical drilling: 12.98 % Cu & 11.75 g/t Au over 7.8 m within 54 m @ 2.1% Cu, 1.82 g/t Au, 3.87 g/t Ag (from 878 m depth down hole);
 - **"Porgera-Style" Au Target** at Ridge Gold Area: commonly associated with strong gold-tellurium-arsenic metal associations. High tenor Au in soils here up to 9.3 g/t Au
- Highly anomalous Au in soils occur over broad regions (900 m by 300 m) associated with NW trending structures
- Although Harmony Gold spent \$25M on exploration, the majority of the Project remains unexplored



Kili Teke Cu-Au Project – Ten highly prospective targets proximal to resource

Refer to NI 43101 Technical Report for the Kili Teke Project, effective November 18,2022. Mineral Resources that are not Mineral Reserves do not have demonstrated economic viability.

MULTI-TIER-1 DEPOSIT POTENTIAL ADJACENT TO FRIEDA RIVER

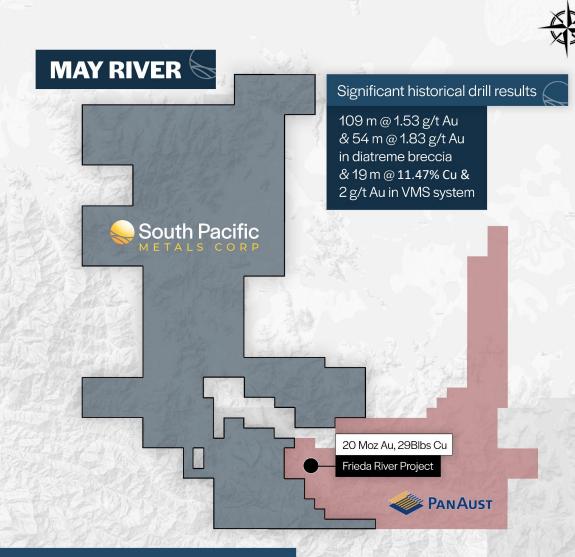
MAY RIVER Cu-Au PROJECT

- District-scale tenement package (1,700 km²)
- Adjacent to, and along strike from the Frieda River Au-Cu Project which contains 20 Moz Au and 29 Blbs Cu*
- Over 20 prospects identified ranging from high grade VMS, Epithermal to Cu-Au porphyry
- Previous drill intercepts include:
 - Gold breccias with 109 m of 1.53 g/t Au** near surface and
 - Massive sulfide polymetallic system returning 19 m of 11.47% Cu & 2.17 g/t Au** near surface
- Porphyry-Epithermal prospects are hosted in similar structural and geological setting identical to that at Frieda River
- 100%-owned, exploration licenses & applications, no
 royalties

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**Historic project data acquired directly from previous operators or from public reports submitted as part of work requirements to the Mineral Resources Authority of PNG, by previous operators.



20

40 km

Extensive evidence of a buried Cu-Au porphyry proximal to the Au-rich lithocap

Area covering 1x1.4 km with coincident Cu-Au soil anomalism (up to 0.52% Cu and 0.23 g/t Au) and geophysical anomalies in an area of favorable geology and structural complexity

MAY RIVER PROJECT

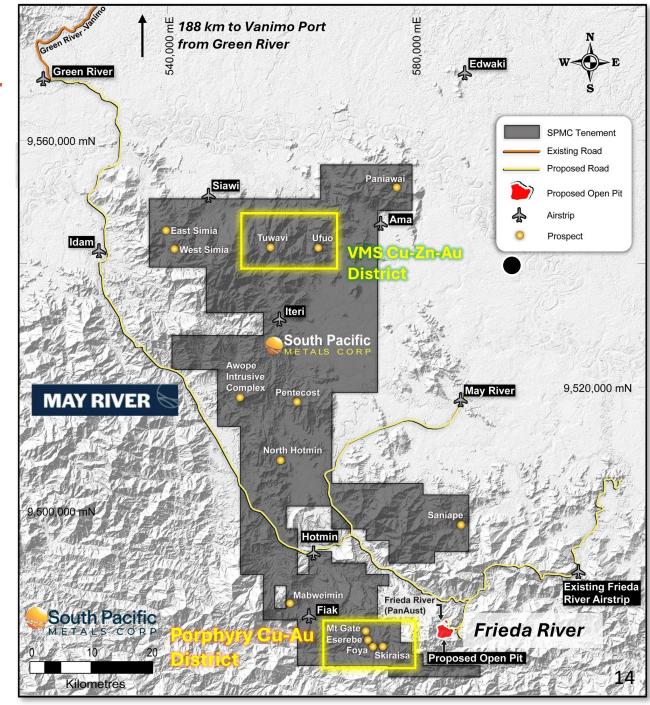
25+ Years Exploration Data Consolidated & Evaluated

- Two districts, highlighted by recent data review, host extensive Au or Au-Cu mineralization:
 - Skygate Cu-Au Trend: a 7 km long Au-Cu mineralized trend within similar host rocks and structural setting to Frieda River Au-Cu System
 - Cu-Au porphyry surface exposures and historically drilled gold-bearing breccias, with potential new sub-surface porphyry targets. 109 m of 1.53 g/t Au near surface* in historical drilling
 - The Ufuo-Tuwavi District hosts two complexes of drilled and trenched massive sulfide polymetallic systems.
 - 010UF97: 19 m @11.47% Cu, 2.17g/t Au from 13m depth*
 - 009UF97: 11 m @ 10.07% Cu, 2.03g/t Au from 13 m depth*

Multiple Other Prospects Yet to Be Fully Evaluated

Massive Sulfide Polymetallic (Cu-Zn-Au-Ag-Pb) Districts,
 Gold-Base metal veins and Cu-Au Porphyry Districts:

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Social & Environmental License



Environment

Company operations are driven by environmental stewardship. We strive to minimize our environmental impact and ensure responsible land management and rehabilitation in our activities

ි Social

We prioritize social responsibility by investing in local communities, fostering economic development, and respecting cultural diversity in our operations. We have consistent and regular engagement with community leadership, lead by our experienced community liaisons

Governance

We uphold the highest standards of governance and compliance, promoting transparency, ethics, and accountability throughout our activities



Proven District Production & Renewed Growth



Reinvigorated mining and exploration industry in Papua New Guinea with multinational mining companies re-investing in the country

- Growth in the mining industry underpinned by the reopening of the Porgera Gold Mine, improvements at OK Tedi Mine and permitting of the Wafi-Golpu Copper-Gold Mine
- World-Class Papuan and New Guinea Fold Belts are globally recognized metallogenic belts hosting some of the largest long-life Au-Cu deposits such as Porgera (Au), Ok Tedi (Au-Cu) and Grasberg (Au-Cu)



SPMC management (Cathy Fitzgerald, Michael Murphy) and team members (Luke Andersen, Andrew Mann) with community members at the Ontenu Prospect, Osena Project, May 22, 2024.

K92

Share price increased 20-fold over the last five years from ~USD \$50M to USD \$1B. Exploration team has drilled some excellent results including 78.5 m at 24.94 g/t Au, 116 g/t Ag, 0.38% Cu from 239 m, at the Kainantu Gold Mine

BARRICK

Barrick has resumed mining at its Porgera Mine (Au, in JV with the State) with the first gold pour delivered in Q2 2024



Harmony operates the Hidden Valley Mine (Au), while simultaneously developing the Wafi-Golpu deposit (20.5 Moz AuEq, a Newmont 50/50 JV) and will invest US\$586M into their PNG operations in 2024

Newmont

Newmont recently acquired the giant Lihir Gold Mine (23 Moz), which produced 670 koz in 2023 and is expected to grow to 1 Moz annually beginning in 2024 16

CAPITAL STRUCTURE

Issued and Outstanding shares	38,728,920
Options Outstanding (avg price 0.58)	2,343,500
Warrants Outstanding (avg price 1.79)	10,530,225
Total (Fully Diluted)	51,582,645
Insider and Strategic Ownership	~70 %
Working Capital	C\$1.4M
Option Proceeds (if exercised)	C\$1.3M
Warrant Proceeds (if exercised)	C\$18.8M
Fully Diluted Cash Balance	C\$20.1M

As of August 29, 2024





LEADERSHIP TEAM

EXPERIENCED & SUCCESSFUL IN MINERAL RESOURCE DEVELOPMENT



Michael Murphy, B.A., MBA, M.Sc., ICD.D. Executive Chairman & CEO

Founder of Torex Gold (TXG-T), now a \$2B+ market-cap gold producer. Michael spent 12 years on the Torex board of directors, after participating in raising over \$1B of debt and equity. Prior to this Michael spent 15 years in the London financial services sector with Merrill Lynch, DLJ and Credit Suisse.



Cathy Fitzgerald, M.Sc., P.Geo. President & Chief Geologist, Director

20 years experience in technical leadership roles driving strategy, execution and advancing exploration & resource development projects across various commodities (Cu, Au, Ag, Li, diamonds). Previously, VP Exploration & Resource Development at Apollo Silver; Director Resource Evaluation, Ivanhoe Electric.



Geoff Lawrence **Director**

Executive with +18 years in the managed services & energy sector, including +7 years as the CEO of Pacific Energy Consulting, a leading mid-market EPMC contractor in PNG. Currently, the CEO if Twenty20 Energy, delivering large projects including a new 45 MW gas-fired power station in Port Moresby. Experience operating within PNG & SE Asia, with extensive key government and corporate contacts.



Dain Currie, CFP Director

Seasoned capital markets professional with +18 years' experience in M&A, debt and equity fundraising and business strategy, working primarily in the mining, oil and gas, agriculture, and technology sectors. He is a Partner in the Oceanside Group, which provides corporate finance consulting services to private and public companies.

Andrew Mann, P.Eng. Country Manager

Experienced operations manager and professional Engineer with extensive international management experience. Responsible for all incountry operations and personnel management

Darren Holden, Ph.D., FAusIMM Technical Advisor

Director at Odette Geoscience, and Principal of Geospy, both of Perth, Australia. More than 20 years experience in the mineral exploration industry in program management and consulting

Graeme Fleming B.App.Sc., MAIG Consultant Principal Geologist

Specialist on the exploration of hydrothermally-related precious & base metal mineralization within the Australasian region. A robust fieldoriented background with more than three years experience leading exploration programs on SPMC licenses. Based in Lombok, Indonesia

James Kops Community Relations Manager

A leader in community relations, with extensive management, negotiation and mediation skills. A well-respected authority with considerable knowledge of community relations and a wealth of contacts throughout PNG

Technical Program

Preliminary technical work for all four projects will involve a comprehensive review of extensive historical and modern surface and drilling datasets. This review will assess the scale of known mineralization and alteration systems, re-evaluate each projects prospectivity, and identify new target areas for exploration.

Data in hand for all projects is extensive and includes recent and historical surface geochemical data (soil, rock, pan concentrate and stream sediment), historical drilling, historical and new geological mapping, and regional geophysics and recent Mobile MT magnetic and conductivity geophysical survey data acquired in 2022.

PNG-Based Geologists & Community Relations

Team of nine PNG-based, experienced geologists, technicians, operations and community team members with multiple years of experience on our exploration licenses and operating within PNG



South Pacific METALS CORP

Michael Murphy, Executive Chair info@southpacificmetals.ca

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