MALUSON GOLD





GOLD & STRATEGIC METALS | FINLAND, SWEDEN & AUSTRALIA
JANUARY 2023



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NI 43-101 Technical Report: On 29 November 2022 Mawson published an updated Inferred Mineral Resource completed by Christopher Bray, SRK - MAusIMM(CP), Eemeli Rantala, AFRY – P.Geo, Ove Klavér, AFRY – EurGeol, and Craig Brown, RE&M - FAusIMM, and Mathieu Gosselin, Gosselin Mining – P.Eng. All authors are independent "qualified persons" as defined by NI 43-101. The NI 43-101 technical report is entitled "NI 43-101 Technical Report on a Preliminary Economic Assessment of the Rajapalot Gold-Cobalt Project, Finland. The PEA" (the "Updated Technical Report"). The Updated Technical Report may be found on the Company's website at www.mawsongold.com or under the Company's profile on SEDAR at www.sedar.com. Readers are encouraged to read the entire Updated Technical Report.

Qualified Person: The qualified person for Mawson's projects, Mike Hudson, Chairman of Mawson, and a Fellow of the Australasian Institute of Mining and Metallurgy, has reviewed and verified the contents of this presentation.

Inferred Mineral Resources: The preliminary economic assessment is preliminary in nature, it includes inferred mineral resources that are considered too speculative geologically to have the economic considerations applied to them that would enable them to be categorized as mineral reserves, and there is no certainty that the preliminary economic assessment will be realized. Mineral Resources that are not mineral reserves do not have demonstrated economic viability

Non-IFRS Financial Measures: Mawson has included certain non-IFRS financial measures in this news release, such as Initial Capital Cost, Sustaining Capital, Cash Operating Costs and All-In Sustaining Cost, which are not measures recognized under IFRS and do not have a standardized meaning prescribed by IFRS. As a result, these measures may not be comparable to similar measures reported by other corporations. Each of these measures used are intended to provide additional information to the user and should not be considered in isolation or as a substitute for measures prepared in accordance with IFRS.

- Total Cash Costs and Total Cash Costs per Ounce. Total Cash Costs are reflective of the cost of production. Total Cash Costs reported in the PEA include mining costs, processing & water treatment costs, general and administrative costs of the mine, off-site costs, refining costs, transportation costs and royalties. Total Cash Costs per Ounce is calculated as Total Cash Costs divided by payable gold ounces.
- All-in Sustaining Costs ("AISC") and AISC per Ounce. AISC is reflective of all the expenditures that are required to produce an ounce of gold from operations. AISC reported in the PEA includes total cash costs, sustaining capital and closure costs, but excludes corporate general and administrative costs and salvage. AISC per Ounce is calculated as AISC divided by payable gold ounces.

Strong Asset Base at Deep Discount





Rajapalot could be 6th largest Au and 3rd largest Co mine in the EU

- 92koz AuEq¹ per year steady state production. Tier 1 Finland location.
- Strategic cobalt by-product, critical for Europe's energy transition. ~100% renewable power.
- US\$211 million NPV₅, 27% IRR. 100% owned.



Resource Growth Potential

- Down-plunge extensions. Untested large prospective land holding.
- Exploring in Sweden, and exposure to Victorian gold fields.



51% Strategic Holding in Southern Cross Gold (ASX:SXG)

- Market value² of C\$65 M. ~A\$20m cash and moving to 5 rigs
- Recent drilling intersected 306 m @ 2.4 g/t AuEq⁴



Valuation Upside

- ➤ EV/NPV² of 0.01x.
- Ongoing exploration to increase value.
- SXG stake provides corporate finance and funding optionality for Mawson.

^{1.} AuEq on production basis using prices Au \$1,700 and Co 60,000 (AuEq = oz Au + (t Co * 35.3)).

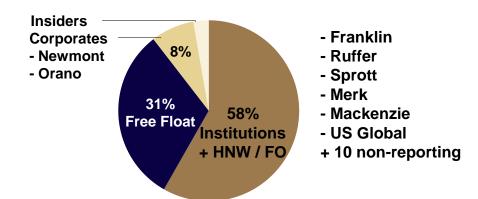
^{2.} Based on closing prices 30/12/2022: MAW C\$0.23 and SXG 0.755, CAD:USD = 0.74, CAD:AUD = 1..09. SXG escrowed until May 2024 4. AuEg for Sunday Creek is = Au (g/t) + 1.58 × Sb (%). Refer to press release dated November 21, 2022 for full technical disclosure

Corporate Snapshot



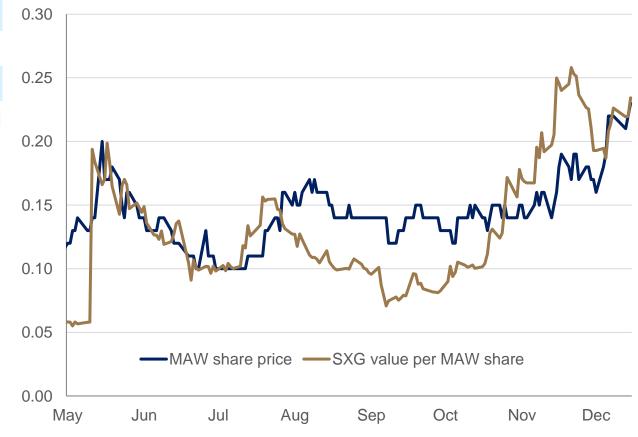
Strong institutional ownership, ~ zero EV

Share Price – Dec 30, 2022	C\$0.23
Basic Shares Outstanding	293.6 M
Fully Diluted	308.4 M
Basic Market Capitalization	C\$67.5M
Cash	~C\$2.0M
Shares in SXG ¹	C\$64.8M
TOTAL ENTERPRISE VALUE	C\$0.7M



Value of SXG alone underwrites MAW's market cap

- > Implies zero value to:
 - ➤ **US\$211m NPV** project in stable Tier 1 jurisdiction (Finland)
 - > Significant exploration upside in Finland, 100% owned
 - New discovery in Sweden



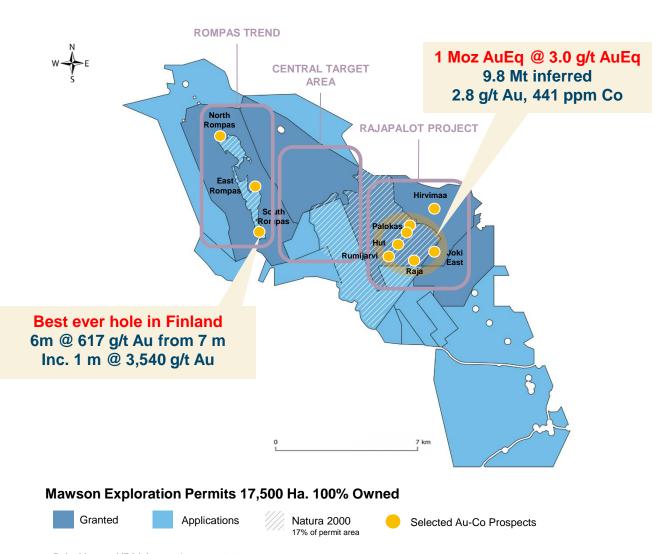
Flagship Rajapalot Project



Tier 1 Finland Location



Large Prospective Landholding



Rajapalot PEA Highlights



US\$211M

After-tax NPV_{5%}

US\$824/oz

Life of Mine AISC

27%

After-tax IRR 3 year payback

US\$191M

Initial capex
Inc. 20% contingency

92koz/a AuEq Production

Gold-Cobalt

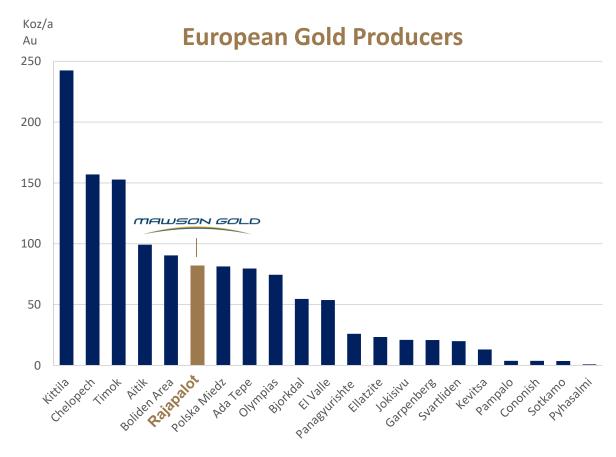
81% of Resource Au into Doré

Robust resource High met recoveries The Start, Not the End

Deposits open Undrilled 18,000 Ha landholding A Strategic Project for Europe

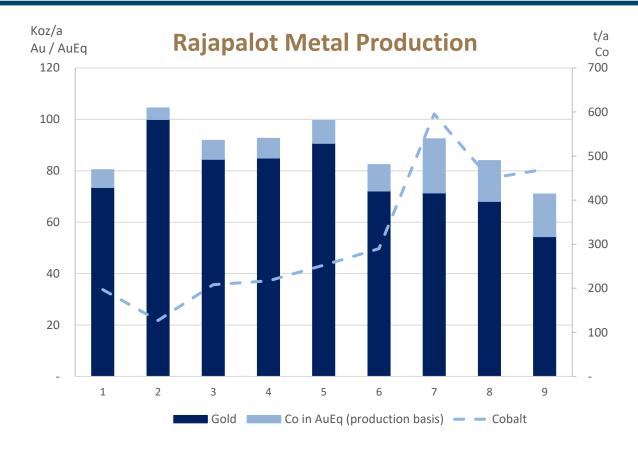
EU's 6th Largest Gold Producer







- > 82koz gold-only production is significant in Europe
- > Finland and Sweden currently produces 47% of Europe's gold



And Europe's 3rd largest cobalt mine

- 7 out of Europe's 10 largest cobalt resources are in Finland
- Finland mines 100% of the EU's cobalt production, refines >50% global ex-China
- Cobalt is an EU strategic metal. Rajapalot has already attracted over C\$2m in grants









Rajapalot has Fundamental Efficiencies



Low Impact Underground Mining

- 9 year life, includes ramp up. 1.2 Mt/a production rate
- Extracts of 85% of the Au in resources through LHOS and cut & fill

High Recoveries, Conventional Processing

- 95% gold recovery to doré from simple gravity-CIL circuit
- Cobalt production via flotation of cobalt rich feed

Low Operating Costs

- Low ASIC driven by deposit fundamentals
 - Low cost renewable power <8 c/kWh</p>
 - Efficient mining and low energy processing
 - Low cost highly skilled workforce nearby
 - > High resource efficiency

Capital cost \$191 million

- New dedicated facilities. 20% contingency included.
- Limited infrastructure burden. 35 km from Lapland capital.

		Life of Mine
Mill Feed (underground)	Mt ROM	10.1
Annual Throughput	Mt/a	1.2
Life of Mine	years	9
Gold Head Grade	g/t Au	2.26
Feed to Co Processing ¹	Mt	6.1
Cobalt Head Grade	ppm	529
Gold Recovery	%	95%
Cobalt Recovery	%	88%

Production Output		Y 2-8	LoM
Gold Production	koz Au	82	699
Cobalt Production	kt Co	306	2,806
AuEq Production	koz AuEq	92	798

Operating Cost		Life of Mine
Mining	\$/t	34.9
Processing	\$/t	16.9
G&A	\$/t	4.0
Royalties	%	0.15%
Total	\$/t	55.9
C1	\$/oz Au	670
AISC	\$/oz Au	824

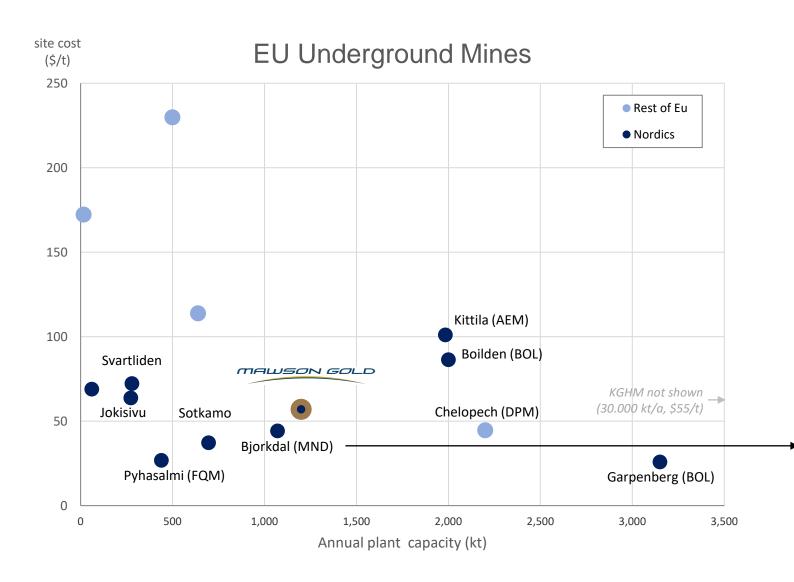
Capital Cost		Initial	Sustaining
Underground Mine	\$M	4	57
Capitalised Mining Costs	\$M	11	-
Process Plant	\$M	80	14
Infrastructure	\$M	48	18
Indirects	\$M	20	-
Contingency	\$M	30	2
Closure	\$M	-	8
Total	\$M	191	100

^{1.} Proportion of mined material campaign processed through cobalt flotation; assessed as producing favourible economic outcome

^{2.} C1 and AISC are non IFRS measures. See disclaimer.

PEA benchmarks well to operating peers





Björkdal Operating Results

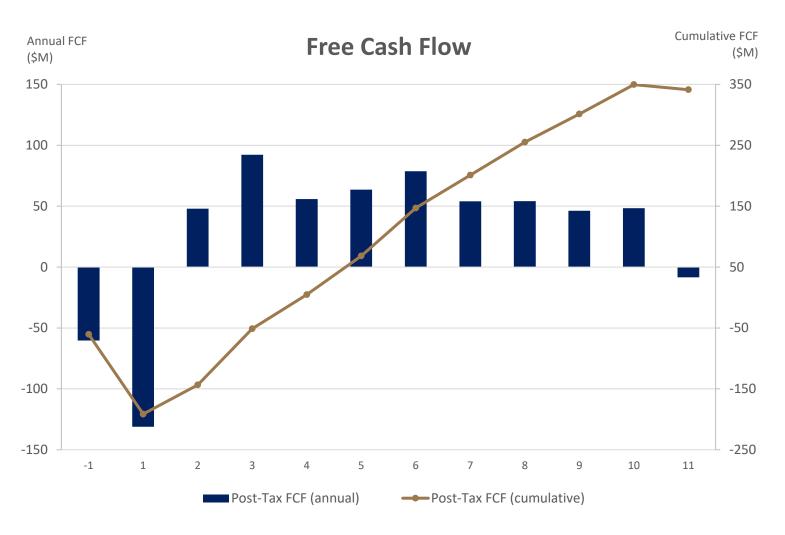
	Year ended December 31			
		2021	2020	
Underground mining				
Operating development	m	5,988	5,842	
Mined ore	t	1,071,212	1,066,443	
Mined ore Au grade	g/t	1.41	1.41	
Mined contained Au	oz	48,436	48,396	
Mining cost per tonne ore	\$/t	25.97	22.35	
Processed ore	t	1,259,949	1,319,620	
Processed ore mill head grade Au	g/t	1.32	1.21	
Recovery Au	%	86.76	87.80	
Saleable Au produced	oz	45,236	45,296	
Processing cost per tonne ore	\$/t	9.85	8.15	
Au sold	oz	46,254	45,312	
Capital development (underground)	m	3,076	3,157	
Capital development cost per metre	\$/m	2,980	2,714	
Cash operating cost per tonne ore processed ⁽¹⁾	\$/t	44.27	38.17	

Bjorkdal Similarities (Mandalay Resources)

- Nordic mine (Sweden), 400km from Rajapalot
- Very similar production scale
- Long hole open stoping with average 20m levels
- Grinding and flotation mill
- > Differences: no backfill, no cyanidation
- > ACTUAL 2021 opex \$44/t vs Rajapalot costs of \$57/t

Investment Summary





Financial Metric		Life of Mine
Au Price	\$/oz	1,700
Co Price	\$/t	60,000
EUR:USD	-	1.1
Discount rate	%	5%
Corp tax rate	%	20%
Depreciation rate	%	25%
Capex (initial / sustaining)	\$M	191 / 100
Opex	\$M	566
Revenue	\$M	1,286
Gold	\$M	1,185
Cobalt	\$M	101
Ave EBITDA (years 2-8)	\$M	84
Net FCF (years 1-5)	\$M	338
Pre-tax NPV5	\$M	271
Pre-tax IRR	%	30%
Post-tax NPV	\$M	211
Post-tax IRR	%	27%
Post-tax payback	years	2.9

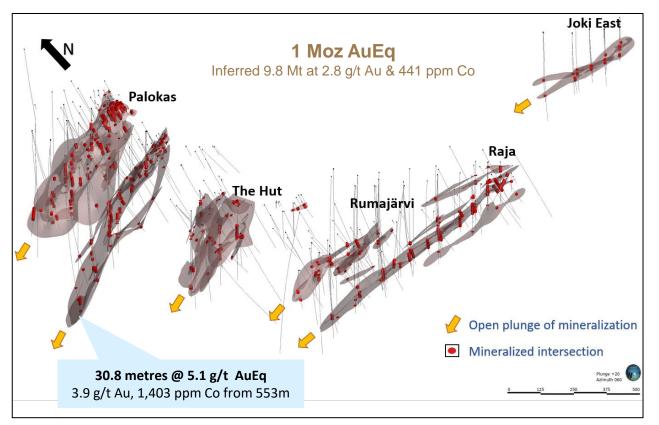
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Resource Growth Potential



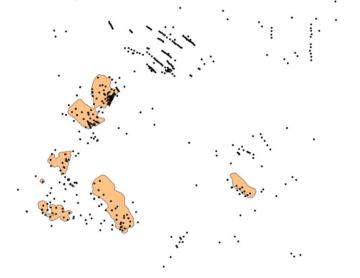
Rajapalot deposits are all open

- Among best intersections are at the project depth extent
- ... But practically no drilling below 500m
- Excellent continuity down-plunge
- Drill to demonstrate system extends



All holes in Rajapalot





Holes deeper than 500m

$$n = 12$$







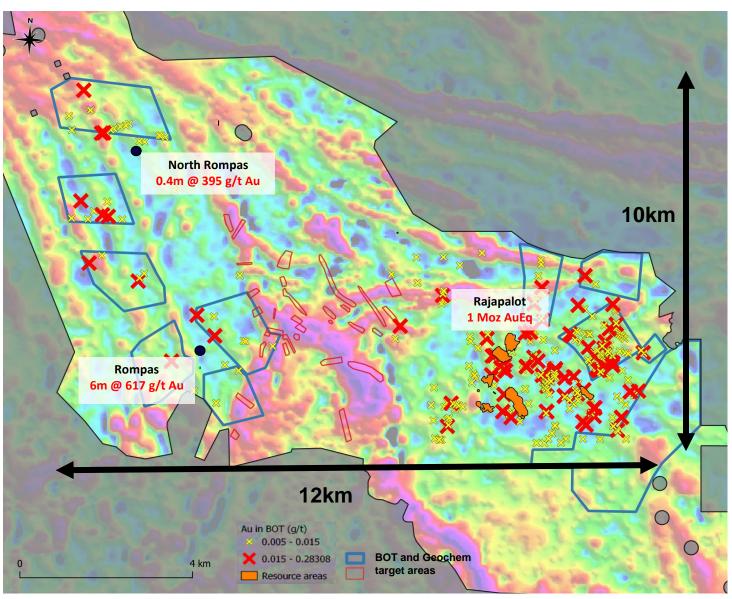
Huge Regional Potential



- Property is largely untested outside of immediate areas near discoveries
- Same gold system deposited high tenor Rompas and Rajapalot deposits – separated by 8km
- Multiple base of till Au anomalies overlying mag lows
- Prospective targets at key secondary structural intersections
- High Au in boulders, source not yet identified







Background is AeroEM (Slingram)

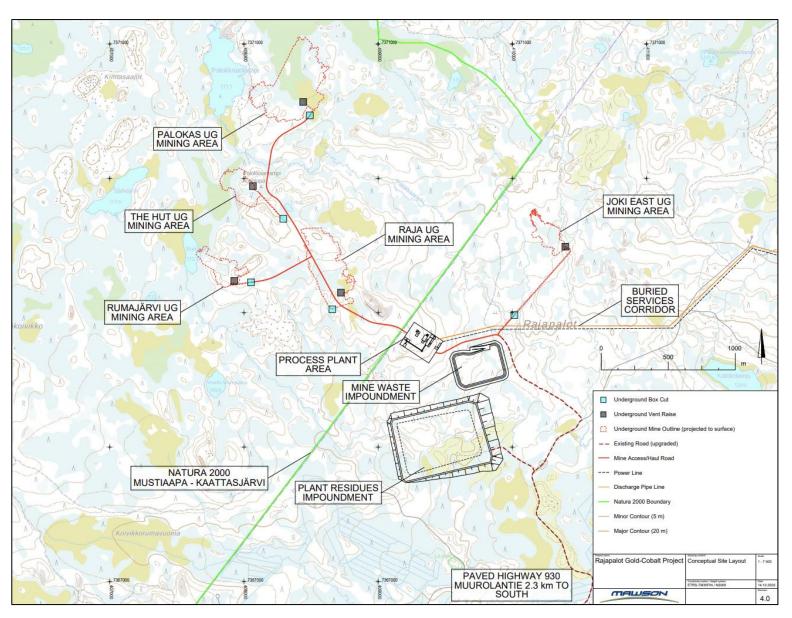
Project Overview



Low complexity layout

- Underground only mining, deposits accessed from surface box-cuts
- Flat-lying topography, ~5 m of glacial till. No perma-frost.
- Shared infrastructure corridor.
 - Power 28km to existing 110 kV substation
 - Water discharge pipeline 15 km
- Direct site access via existing roads paved highway within 5 km
- Conventional lined sub-aqueous tailings impoundment
- All major infrastructure located outside Natura, in commercial forestry areas.





ESG is central to what we do



Low impact configuration

- Underground only mining and infrastructure outside of Natura
- Access to 100% renewable grid power
- Backfill minimises surface legacy

EIA is already underway

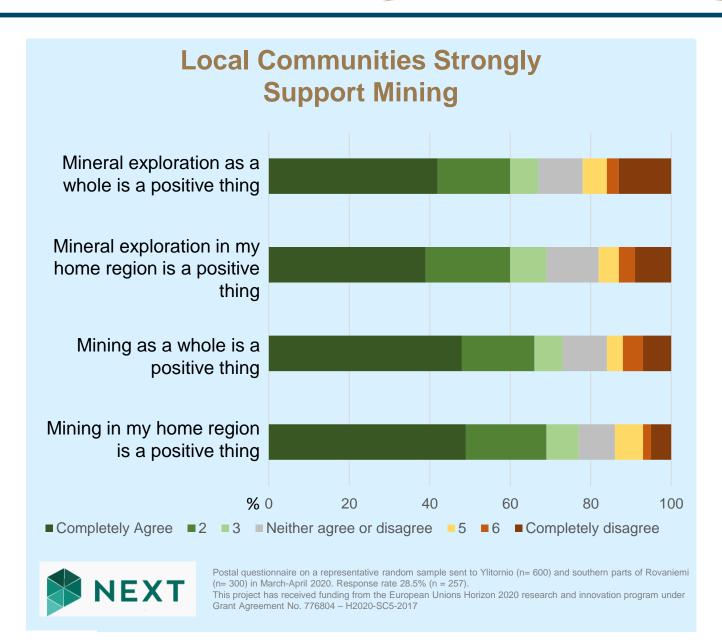
- PEA unlocks next milestone: Program Phase submission
- Extensive baseline database developed over 10 years

Support for permitting

- Land re-zoning processes initiated by the regional and local governments
- Mine development in Natura 2000 explicitly supported by Lapland regional government

Social license in hand

- Strong local support for mining
- ➤ 100% state owned land. No private landholders. No community relocations. No indigenous lands.



Skellefteå North Gold Project



>7 Moz produced within 22 km of project

- > 2500 ha in prolific mining region in northern Sweden
- Technical and logistical synergies with Finland team
- Outcropping gold rare in the Nordics. Never drilled prior to Mawson. Year round drilling access.
- > Sheeted-quartz-vein system, arsenopyrite-bearing, hosted in mafic dyke

High grades in maiden drilling

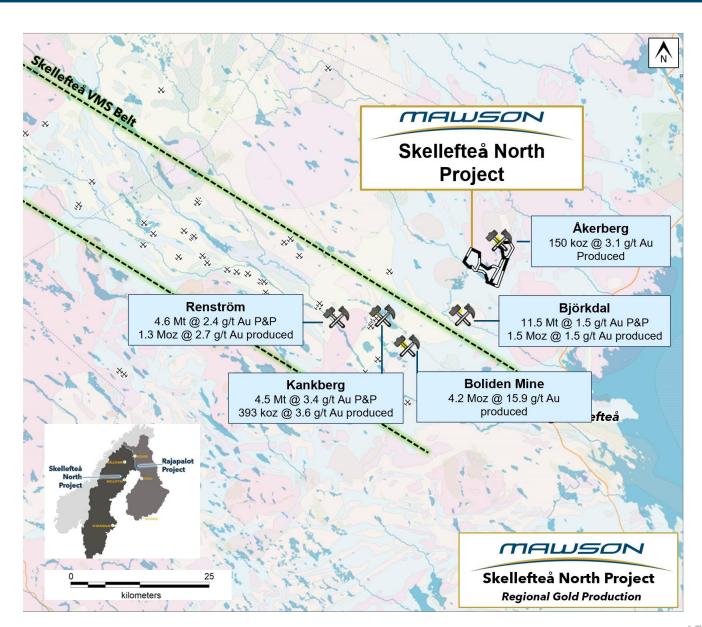
- > 1.8 m @ 28.4 g/t Au in 2nd ever drill hole
 - including 0.4 m @ 132 g/t Au, both from 82 m
- 300 m strike of structurally controlled gold system defined by drilling
- Visible gold in 3 of 6 holes

Next steps

- high resolution ground magnetics and surface geochemical sampling to delineate more structure.
- Target drilling to follow up high grades

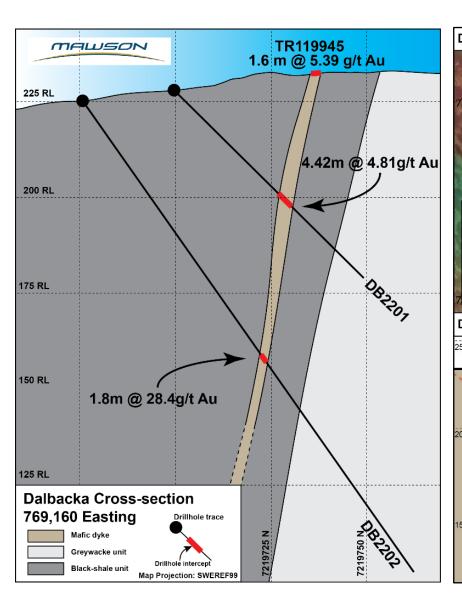
Earning in up to 85%

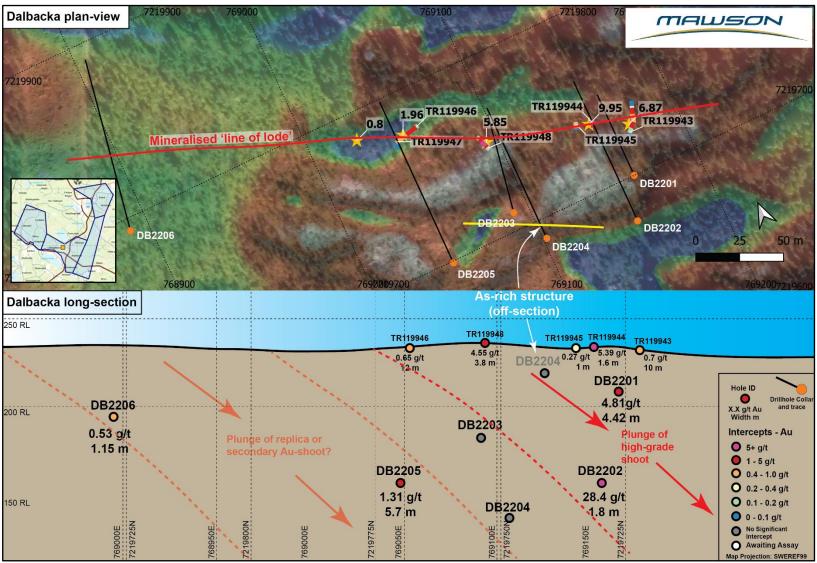
- C\$3m spend in 4 years for 75% (from Jan 2022)
- PFS within 10 years for 85%



Discovery in first 2 holes ever drilled







51% of ASX Listed SXG





Strategic positioning in Victorian gold fields

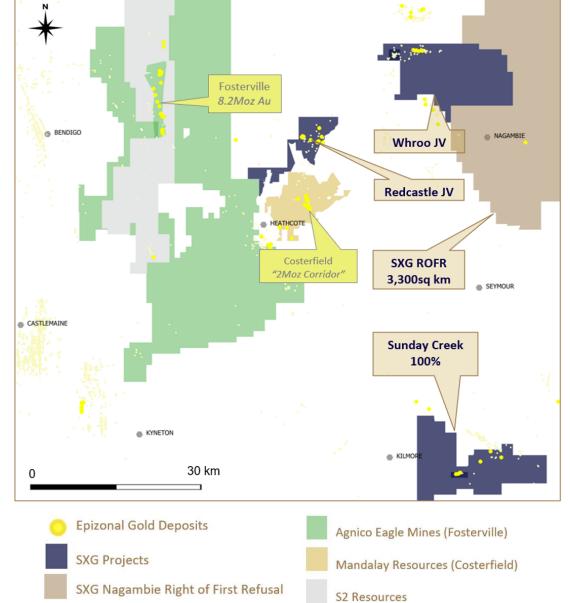
- Control 3 of 9 Epizonal deposits in Victoria
- Fosterville and Costerfield style. 1st and 10th highest grade gold mines on earth

Sunday Creek is an exceptional discovery

- Widths (at high-grade) not traditionally seen previously in Victoria.
 - 306 m @ 2.4 g/t AuEq
 - > 119 m @ 3.9 g/t AuEq
- 8 "Top 10" drill holes on the ASX in 7 months since IPO¹
- Multiple shoots discovered, but only few drilled.
- Significant room to grow 9 km of 10 km strike never drilled
- 3 rigs turning. Results delivered continuously.

Significant value to Mawson shareholders

- ➤ C\$65 million market value of Mawson's stake²
- ➤ 51% stake is strategic
- A\$18m cash with up to 5 rigs. Exposure to exciting new discovery funded by ASX market.
- Provides huge corporate finance optionality for Mawson



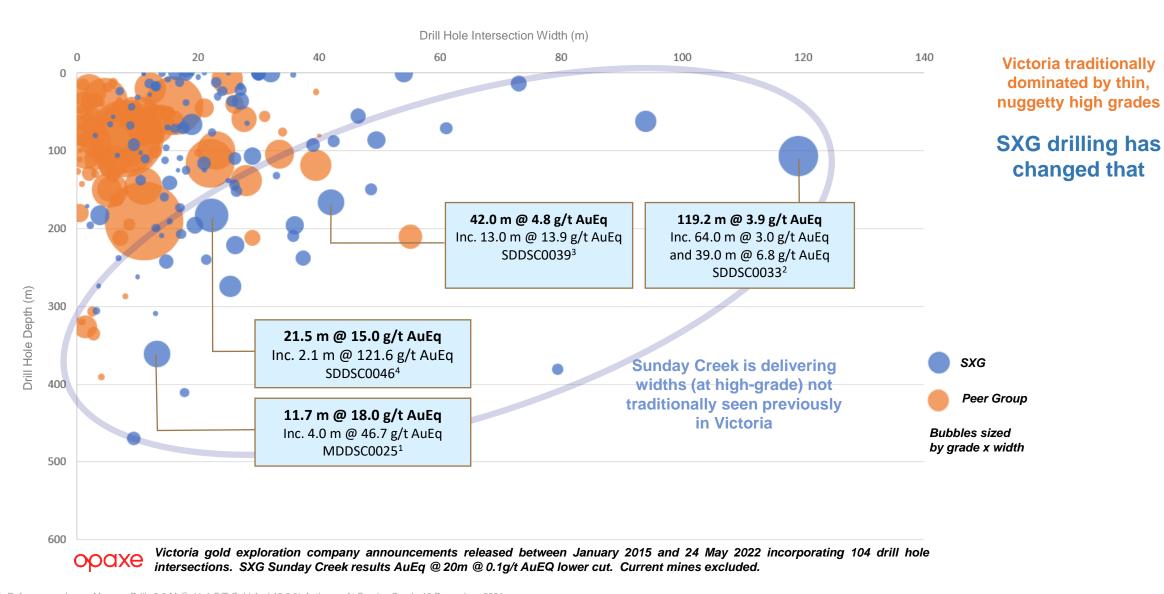
^{1.} MinerDeck Top Gold Intercepts ASX list

^{2.} Based on closing prices 30/11/2022: SXG 0.855, CAD:AUD = 1.10. Mawson's SXG holding is escrowed until May 2024 3. SXG AuEq = $Au (g/t) + 1.58 \times Sb$ (%) using recoveries of 93% Au and 95% Sb, and prices US\$1,700/oz Au and US\$8,500/t Sb

Sunday Creek leads the peer group







^{1.} Refer news release: Mawson Drills 3.0 M @ 41.4 G/T Gold And 12.0 % Antimony At Sunday Creek, 13 December, 2021

^{2.} Refer news release: Mawson's Subsidiary Southern Cross Gold Drills 119.2 metres @ 3.9 q/t AuEq, 30 May, 2022

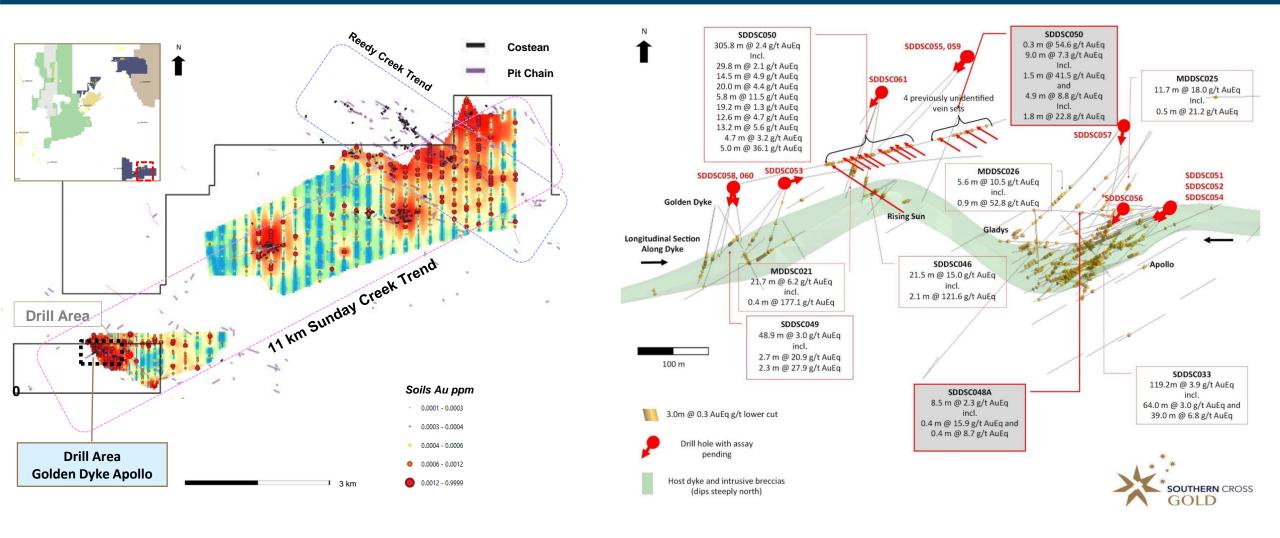
^{3.} Refer news release: Mawson's Subsidiary SXG Drills 42.0 m @ 4.8 g/t AuEq at Sunday Creek, 9 August, 2022

^{4.} Refer news release: Mawson's Subsidiary SXG Drills 21.5 m @ 15.0 g/t AuEq in 350 Metre Step Out at Sunday Creek, 4 October, 2022

Multiple shoots, and room to grow







^{1.} Refer news release: Mawson Drills 3.0 M @ 41.4 G/T Gold And 12.0 % Antimony At Sunday Creek, 13 December, 2021

^{2.} Refer news release: Mawson's Subsidiary Southern Cross Gold Drills 119.2 metres @ 3.9 g/t AuEg, 30 May, 2022

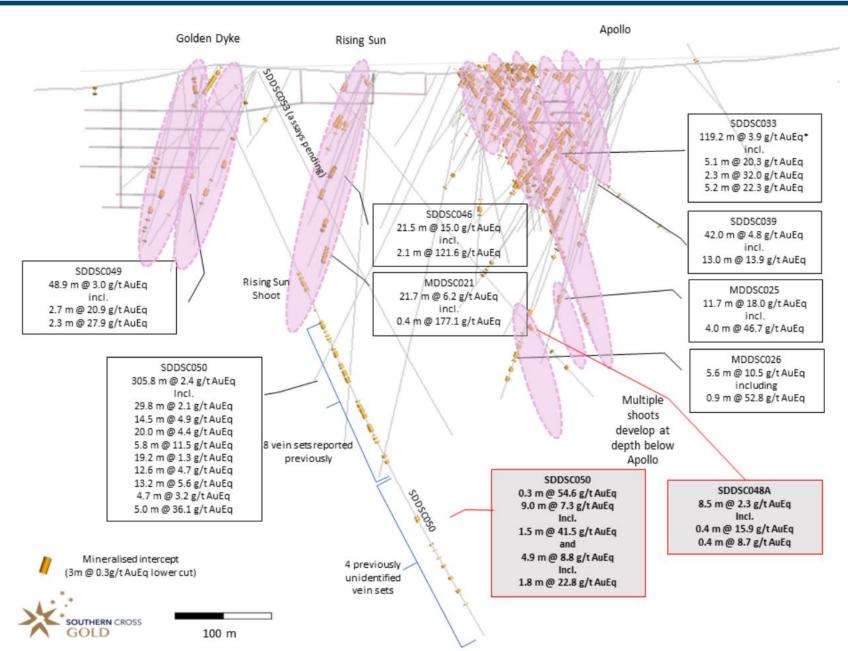
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^{4.} Refer news release: Mawson's Subsidiary SXG Drills 21.5 m @ 15.0 g/t AuEq at 3driday Creek, 9 August, 2022

Shoots filling out







SDDSC050 contains:

- 861 g/t AuEq x m cumulative intersection from 319.2 m to 840.0 m.
- 13 individual veins sets identified over >0.5 km from the first to last high-grade gold intersection
- **Transition to gold** without antinomy, similar to transition at Fosterville and Costerfield

Refer news releases: March 8, 2022 SDDSC021 May 30, 2022 SDDSC033 October 4, 2022 SDDSC046

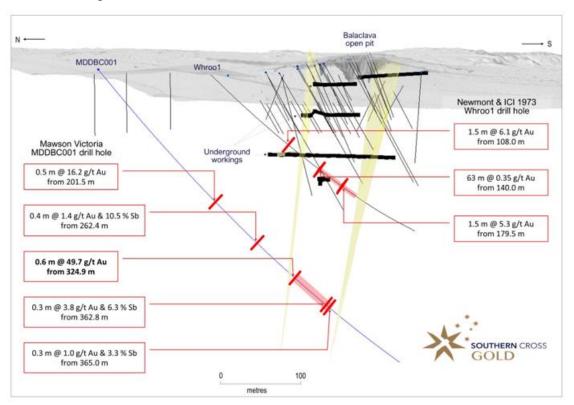
Whroo and Redcastle





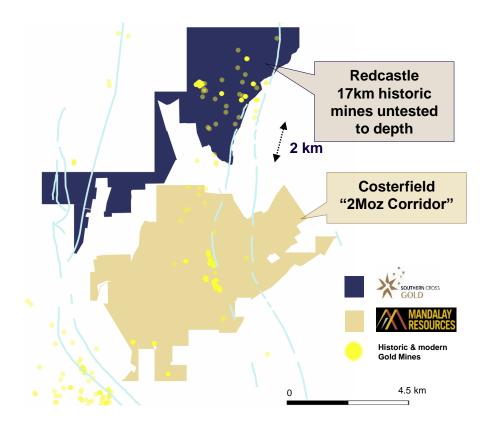
Whroo is second bona fide high-grade discovery

- 14km epizonal field
- Best drill result on the field in 167-year history
- 0.6 metres @ 49.7 g/t gold
- Demonstrates structure continues to depth
- ➤ Earning in 70%



Redcastle - Mine lease extensions of Costerfield

- Recent discoveries at Costerfield by Mandalay¹
 - Robinson Prospect: 1,780 g/t Au estimated true width of 0.15m in RB007
 - Eastern Veining: 172.3 g/t Au true width of 0.27m in BC213
 - Western Veining: 33.7 g/t Au over true width of 3.22m in BC201
- Earned 70%



- 1. Refer news release: Mawson Drills 3.0 M @ 41.4 G/T Gold And 12.0 % Antimony At Sunday Creek, 13 December, 2021
- 2. Refer news release: Mawson's Subsidiary Southern Cross Gold Drills 119.2 metres @ 3.9 g/t AuEq, 30 May, 2022
- 3. Refer news release: Mawson's Subsidiary SXG Drills 42.0 m @ 4.8 g/t AuEq at Sunday Creek, 9 August, 2022

Road Map to Value Creation





Exploit camp-scale exploration opportunity

- ➤ Demonstrated gold system over 10 km x 10 km area
- > >90% of 18,000 ha property undrilled



Grow existing deposit footprint

- > Evaluate down-dip extensions of the open deposits
- Demonstrate the system extends



Enhance project economics and de-risking

- ➤ Lower cost de-risking metallurgical test work, cobalt marketing, mining
- Optimise project scope and economics with engineering
- Advance permitting: Program Phase submission, next formal milestone of in-progress EIA



Leverage portfolio value

Evaluate opportunities to surface portfolio asset value



Ivan Fairhall Chief Executive Officer

ifairhall@mawsongold.com



Mariana Bermudez Corporate Secretary

info@mawsongold.com



Noora Ahola Managing Director Finland

nahola@mawson.fi



Nicholas Mead Manager Corporate Development

nmead@mawsongold.com



Appendix



Capital Structure

Issued and Outstanding			293,590,800
Stock Options:			
Expiring Jan 15/23	\$0.23	6,225,000	
Expiring Apr 24/23	\$0.275	200,000	
Expiring May 21/23	\$0.355	100,000	
Expiring Jun 1/23	\$0.38	800,000	
Expiring Aug 5/23	\$0.50	100,000	
Expiring Oct 14/23	\$0.48	200,000	
Expiring Jan 18/24	\$0.365	150,000	
Expiring Feb 12/24	\$0.275	4,035,000	
Expiring Mar 9/24	\$0.26	100,000	
Expiring Aug 9/24	\$0.245	550,000	
Expiring Sep. 14/24	\$0.22	250,000	
Expiring Dec. 22/24	\$0.155	100,000	12,710,000
Warrants:			
Expiring Dec. 9, 2023	\$0.15	2,200,020	2,200,020
Fully Diluted			308,500,820

Major Shareholder Summary	Ownership
Institutions - +11 including reporting SEP, Ruffer, Franklin, Sprott, Merk, Mackenzie, US Global	57.7%
Corporates - Newmont, Orano (Areva)	7.7%
Insiders	2.7%
Total	68.1%

Inferred Resource Estimate

Zone	CoG AuEq	ROM (Mt)	Au (g/t)	Co (ppm)	AuEq (g/t)	Au (koz)	Co (t)	Oz (AuEq)
Palokas UG	1.1	5.6	2.8	475	3.1	501	2,664	562
Raja UG	1.1	2.7	3.1	385	3.3	271	1,040	288
East Joki UG	1.1	0.3	4.5	365	4.6	43	109	44
Hut UG	1.1	0.8	1.3	427	1.6	36	355	44
Rumajärvi UG	1.1	0.3	1.4	423	1.7	15	142	19
Total (inferred)	1.1	9.8	2.8	441	3.0	867	4,311	958

- > Inferred mineral resource as reported in NI 43-101 Technical Report on a Preliminary Economic Assessment of the Rajapalot Gold-Cobalt Project, Finland, effective date 15 October 2022.
- Resource gold equivalent grades (AuEq) and ounces stated here are based on the updated PEA metal prices of USD1,700/oz Au and USD60,000/t Co and recovery assumptions of 95% Au and 87.6% Co. (AuEq = Au g/t x 95% + Co ppm x 87.6% / 911).
- Mineral Resources are not Mineral Reserves and do not have demonstrated economic viability

