



# POSEIDON

NICKEL

## Morgans Nickel Day Virtual Conference

Peter Harold  
Managing Director & CEO  
15 March 2022



# Disclaimer and Competent Person Statement



## DISCLAIMER

This presentation is for information purposes only. It has been prepared for the purpose of providing general information about Poseidon Nickel Limited ("Poseidon"). It should not be considered as an offer, invitation, solicitation or recommendation to subscribe for or purchase any securities in Poseidon in any jurisdiction. It is not recommended that any person makes an investment decision in relation to Poseidon in reliance on this presentation material. This presentation does not constitute financial product advice and has been prepared without taking into account the recipient's investment objectives, financial circumstances or particular needs and the opinions and recommendations in this presentation are not intended to represent recommendations of particular investments to particular persons. Recipients should seek professional advice when deciding if an investment is appropriate. All securities transactions involve risks, which include (among others) the risk of adverse or unanticipated market, financial or political developments.

This presentation contains forecasts and forward-looking statements. Such statements are predictions only based on available data which maybe unreliable and is subject to inherent risks and uncertainties. Investors are cautioned that forward-looking statements are not guarantees of future performance and accordingly investors are cautioned not to put undue reliance on forward-looking statements due to the inherent uncertainty therein, which could cause actual values, results, performances or achievements to differ materially from those expressed, implied or projected in this presentation.

This overview does not purport to be all-inclusive or to contain all information which its recipients may require in order to make an informed assessment of the project prospects. Each of Poseidon, its officers, employees and advisers expressly disclaims any responsibility for the accuracy or completeness of the material contained in this presentation and excludes all liability, direct, indirect or consequential for any loss or damage which may be suffered by any person as a consequence of any information in this presentation or any error or omission there from. Poseidon accepts no responsibility to update any person regarding any inaccuracy, omission or change in information in this presentation.

## COMPETENT PERSON STATEMENTS

The information in this report that relates to Exploration Results is based on, and fairly represents, information compiled and reviewed by Mr Andrew Pearce, who is an employee of Poseidon Nickel, and is a Member of The Australian Institute of Geoscientists

The information in this report which relates to the Black Swan Mineral Resource is based on, and fairly represents, information compiled by Mr David Reid who is a full-time employee of Golder Associates Pty Ltd and who is a Fellow of the Australasian Institute of Mining and Metallurgy. The information in this report which relates to the Black Swan Ore Reserve is based on, and fairly represents, information compiled by Mr Francois Bezin who is a full-time employee of IMC Mining and is a Member of the Australasian Institute of Mining and Metallurgy.

The information in this report which relates to the Golden Swan Mineral Resource is based on, and fairly represents, information compiled by Mr Andrew Pearce, Exploration Manager, who is a full-time employee at Poseidon Nickel, and is a Member of The Australian Institute of Geoscientists and Mr Ian Glacken who is a full-time employee of Optiro Pty Ltd and is a Fellow of the Australasian Institute of Mining and Metallurgy.

The information in this report which relates to the Silver Swan Mineral Resource is based on, and fairly represents, information compiled by Mr Steve Warriner, Chief Geologist, who was a full-time employee at Poseidon Nickel, and is a Member of The Australian Institute of Geoscientists and Mr Kahan Cervoj who is a full-time employee of Optiro Pty Ltd and is a Fellow of the Australasian Institute of Mining and Metallurgy. The information in this report which relates to the Silver Swan Ore Reserve is based on, and fairly represents, information compiled by Mr Matthew Keenan who is a full-time employee of Entech Pty Ltd and is a Member of the Australasian Institute of Mining and Metallurgy.

The information in this report which relates to the Lake Johnston Mineral Resource is based on, and fairly represents, information compiled by Mr Steve Warriner, Chief Geologist, who was a full-time employee at Poseidon Nickel, and is a Member of The Australian Institute of Geoscientists and Mr David Reid who is a full-time employee of Golder Associates Pty Ltd and is a Fellow of the Australasian Institute of Mining and Metallurgy. The information in this report which relates to the Lake Johnston Ore Reserves Project is based on, and fairly represents, information compiled by Mr Matthew Keenan who is a full-time employee of Entech Pty Ltd and is a Member of the Australasian Institute of Mining and Metallurgy.

The information in this presentation which relates to the Silver Swan Tailings Mineral Resource Resources is based upon details compiled by Ian Glacken, who is a Fellow of the Australasian Institute of Mining and Metallurgy and the Australian Institute of Geoscientists. Ian Glacken is an employee of Optiro Pty Ltd and has sufficient experience which is relevant to the style of mineralisation and the deposit under consideration, and to the activity which he is undertaking to qualify as a Competent Person as defined in the 2012 edition of the Australasian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves (the JORC Code).

The information in the updated Gold Tailings Project which relates to Mineral Resources is based upon details compiled by Ian Glacken, who is a Fellow of the Australasian Institute of Mining and Metallurgy and the Australian Institute of Geoscientists. Ian Glacken is an employee of Optiro Pty Ltd and has sufficient experience which is relevant to the style of mineralisation and the deposit under consideration, and to the activity which he is undertaking to qualify as a Competent Person as defined in the 2012 edition of the Australasian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves (the JORC Code).

The Company is not aware of any new information or data that materially affects the information in the relevant market announcements. All material assumptions and technical parameters underpinning the estimates in the relevant market announcements continue to apply and have not materially changed.

Mr Pearce, Mr Warriner, Mr Cervoj, Mr Glacken Mr Reid, Mr Bezin and Mr Keenan all have sufficient experience which is relevant to the style of mineralisation and type of deposits under consideration and to the activity which they are 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' (the JORC Code 2012). Mr Pearce, Mr Warriner, Mr Cervoj, Mr Glacken and Mr Keenan have consented to the inclusion in the report of the matters based on his information in the form and context in which it appears.

The Australian Securities Exchange has not reviewed and does not accept responsibility for the accuracy or adequacy of this release

## FORWARD LOOKING STATEMENTS

This release contains certain forward looking statements including nickel production targets. Often, but not always, forward looking statements can generally be identified by the use of forward-looking words such as "may", "will", "except", "intend", "plan", "estimate", "anticipate", "continue", and "guidance", or other similar words and may include, without limitation, statements regarding plans, strategies and objectives of management, anticipated production and expected costs. Indications of, and guidance on future earnings, cash flows, costs, 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 interpretation 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 and potential development of the Golden Swan underground mine.

# The Poseidon Story

Western Australian  
focused



Combined Nickel  
Resources  
~400kt Ni<sup>1</sup> and  
Growing



2Mtpa processing plant  
at Black Swan  
1.5Mtpa processing  
plant at Lake Johnston  
(both on C&M)



Gold Tailings Project  
containing 180koz Au +  
option to treat another  
62koz Au  
BFS completed<sup>1</sup>



Targeting nickel  
production during 1Q  
2023

Three quality  
nickel sulphide  
assets



Golden Swan and  
Silver Swan  
Very high-grade  
nickel



Golden Swan  
Maiden resource 160kt  
@ 3.9% Ni for 6.25kt  
Ni



Multiple production  
scenarios given two  
strategically located  
processing plants



Progressing toward  
generating revenue in  
early 2023

Significant  
exploration  
upside

# Capital Structure, Shareholders and Share Price



## Capital Structure/Enterprise Value

ASX Code	POS
Shares on Issue	3.064B
Share Price (15 March 2022)	\$0.088
Market Cap	~\$270M
Cash (31 December 2021)	~\$22M

## Significant Holders %

Black Mountain Metals	11.9%
Wyloo Metals	4.4%
Citicorp Nominees	3.2%
BNP Paribas Nominees	2.2%
Private Investor	2.1%
HSBC Custody Nominees	1.7%

## Share Price Performance





*“A sustainable nickel producer delivering value through performance and growth.”*



## PATHWAY TO PRODUCTION

- Restart Black Swan utilising existing 1.1Mtpa plant & feed from open pit, underground and tailings
- Restart Lake Johnston utilising existing mill and Maggie Hays underground
- Develop Windarra Tailings with a partner



## TARGETED EXPLORATION

- Continue exploring for nickel sulphide orebodies on our existing tenements
- Extend mine life through exploration success to support at least a 15ktpa nickel in concentrate production



## BUSINESS DEVELOPMENT

- Explore and develop satellite projects that could feed our existing processing plants through JV, offtake, acquisition, etc.
- Acquire additional nickel sulphide prospective ground.



**CAPABILITIES & CULTURE**



**FINANCIAL**



**ESG**



**SAFETY**



**GROWTH**



**RESPECT**



**WELLBEING**

# Executive Team



**PETER HAROLD**  
Managing Director & CEO



**ANDY PEARCE**  
Exploration Manager



**BRENDAN SHALDERS**  
Chief Financial Officer &  
Joint Company Secretary



**CRAIG JONES**  
GM Mining



**DAVID MAXTON**  
Project Director



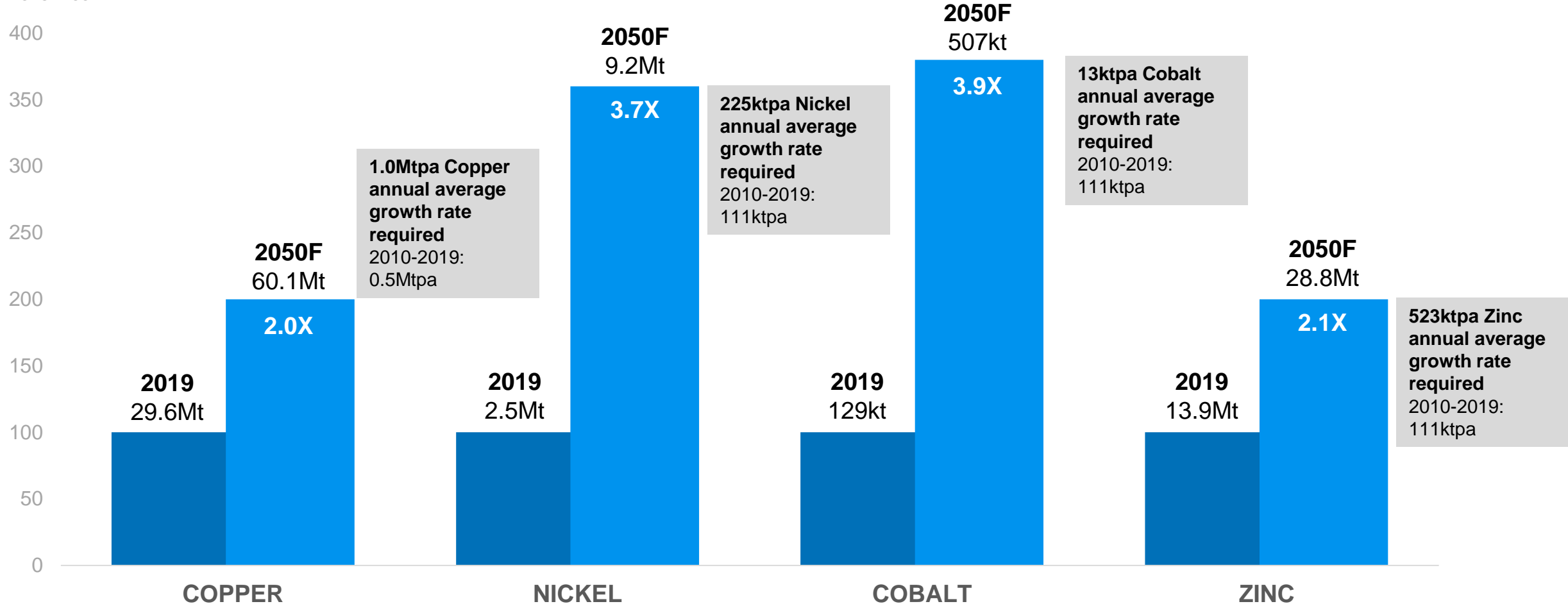
**ANTHONY CAPUTO**  
GM Maintenance & Registered  
Manager for Black Swan

# Nickel Outlook: Four-Fold Demand Increase Over The Next 30 Years



## EV revolution in full swing

Market Size  
2019=100



SOURCE: Glencore, 2020 Preliminary results





## History

- Black Swan Production - 5.9Mt @ 0.7% Ni for 41kt Ni
- Silver Swan Production - 2.7Mt @ 5.1% Ni for 137.5kt Ni
- Total production - 178.5kpta Ni in concentrate

## Existing Resources & Infrastructure

- Silver Swan underground - 16kt Ni\* (grade - 9.5%)<sup>1</sup>
- Golden Swan underground – 6.3kt Ni\* (grade – 3.9%)<sup>2</sup>
- Silver Swan Tailings – 6.2kt Ni & 460t Co<sup>3</sup>
- Black Swan open pit & stockpiles -179kt Ni\* (grade - 0.6%)<sup>1</sup>
- 2.2 Mtpa processing plant and associated infrastructure

## Current Focus – Fill The Mill

- BFS on 1.1Mtpa processing circuit and ore feed sources
- Ore sources – Black Swan pit, Silver Swan tailings, high grade Golden Swan and Silver Swan
- Continuing to explore for more Ni (both underground and open pit)
- DSO remains an option which is being considered in parallel



**Black Swan 2.2Mtpa milling circuit**  
Plans to refurbish and de-rate to 1.1Mtpa throughput

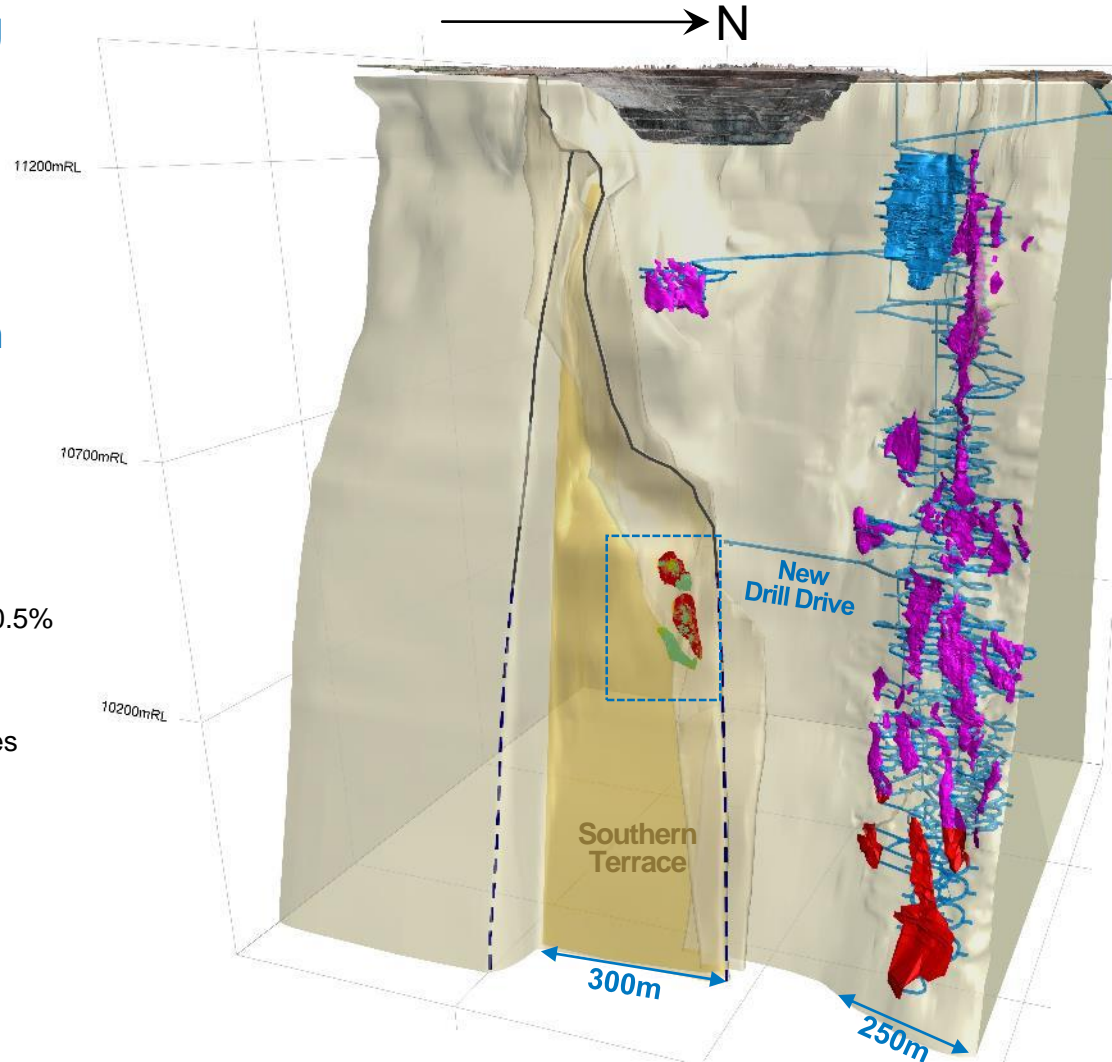
<sup>1</sup> Contained Ni Metal <sup>1</sup> Mineral Resources Statement Table 1 attached. <sup>2</sup> See ASX release 27 Oct 2021. <sup>3</sup> see ASX release 15 Sept 2021

# Resources Summary

The Company is undertaking exploration programs to define a larger Mineral Resource to feed a longer life project.

Prospectivity of the Southern Terrace remains down plunge from Golden Swan.

- Golden Swan Drill Intercept Max Ni >0.5%
- Golden Swan EM Plates
- Mine Areas
- August 2019 Mineral Resource Shapes
- Footwall Surface
- Underground Development
- Proposed Underground Development



## Silver Swan Tailings

September 2021 Mineral Resources: 6Kt Ni

## Black Swan

Pit Production: 5.9Mt @ 0.7%Ni for 41Kt Ni  
August 2019 Mineral Resources: 179Kt Ni

## Golden Swan

New discovery  
October 2021 Mineral Resources: 6Kt Ni

## Silver Swan

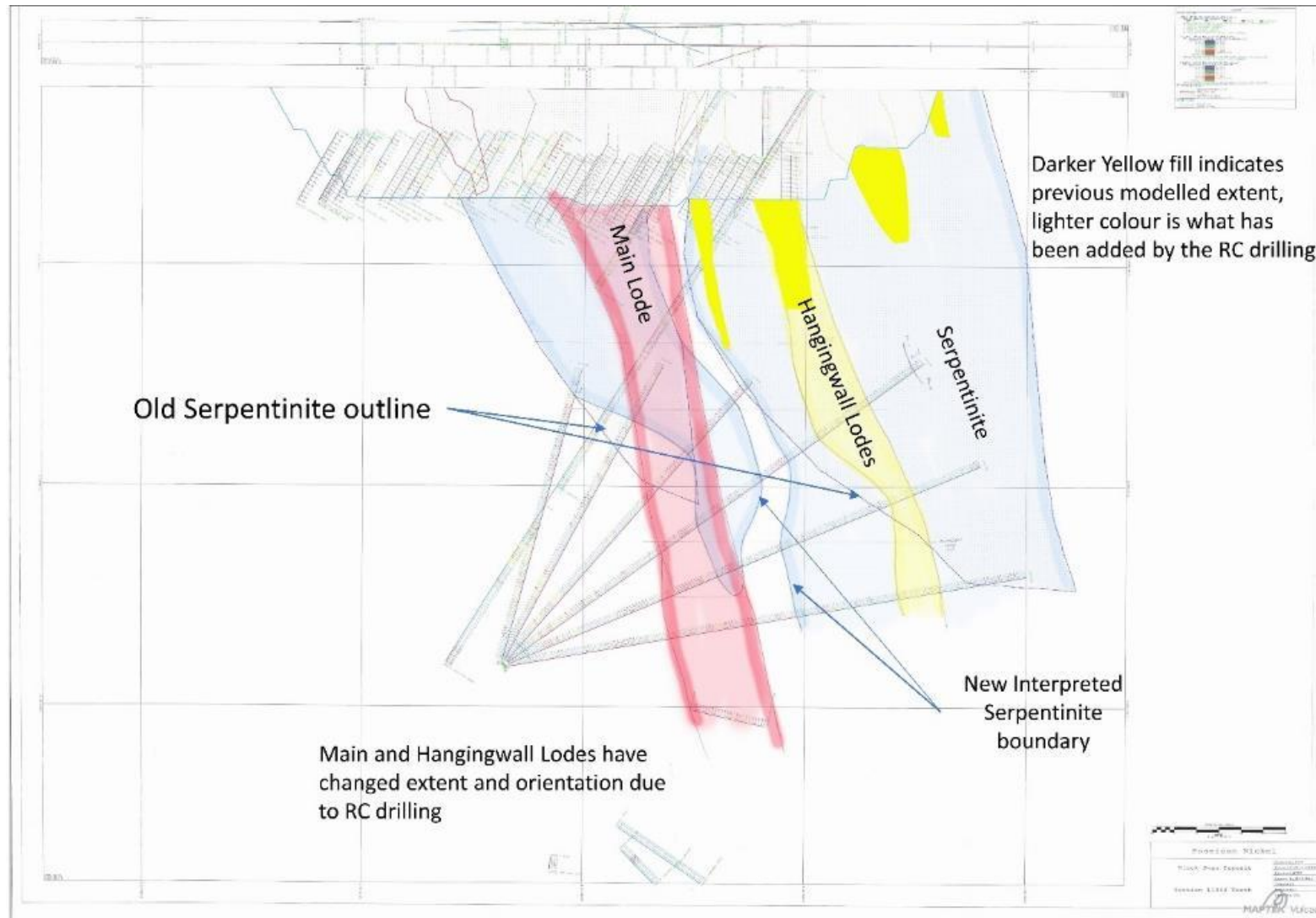
UG Production: 2.7Mt @ 5.1%Ni for 137.5Kt Ni  
August 2019 Mineral Resources: 16Kt Ni

## Silver Swan Reserve

130Kt @ 5.2% Ni for 6,600t Ni

Refer Mineral Resources Statement Table 1 attached.  
Refer Mineral Reserves Statement Table 2 attached.  
Refer Production statistics – from production records of previous owners compiled by POS

# Opportunity to Increase Resource - Black Swan Open Pit



11340N section highlights changes to serpentine and mineralisation extents from the 2019 RC program

# Opportunity to Increase Resource – Silver Swan

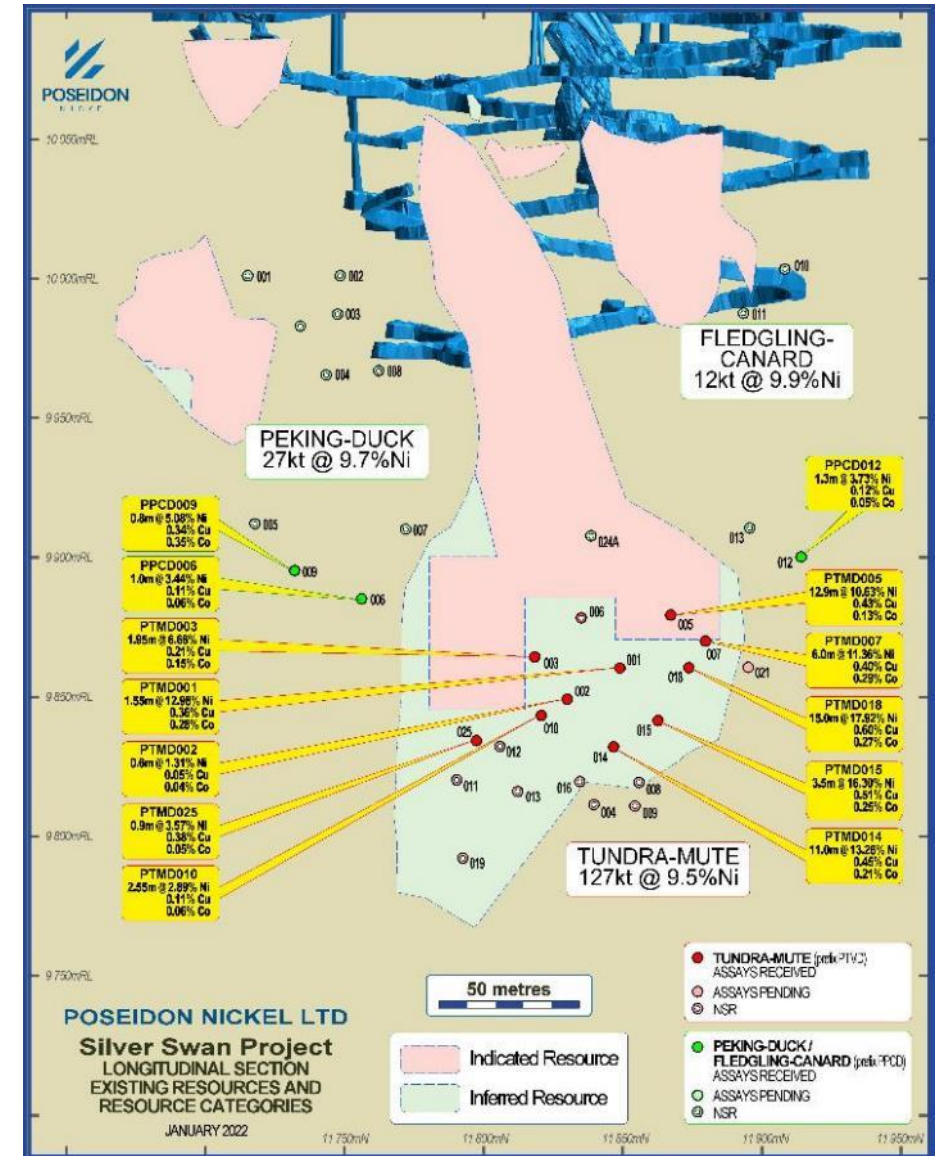
The Silver Swan resource drilling program has returned a number of high grade intersections in the Inferred zone:

- PTMD005 **12.9m at 10.63% Ni** from 241.1m, including **5.9m at 17.44% Ni<sup>1</sup>**
- PTMD007: **6m at 11.36% Ni** from 257m, including **0.8m at 16.70% Ni** and **1.45m at 18.22% Ni<sup>1</sup>**
- PTMD014: **11m at 13.26% Ni** from 288m, including **9m at 15.31% Ni<sup>1</sup>**
- PTMD015: **3.5m at 16.30% Ni** from 287.9m, including **1.5m at 6.91% Ni<sup>1</sup>**
- PTMD018: **15.0m at 17.92% Ni** from 265m, including **2.2m at 19.74% Ni** and **1.5m at 21.20% Ni<sup>1</sup>**

This program was designed to convert Inferred Resources to Indicated and mine studies will then confirm a mining inventory and a potential JORC Reserve upgrade

<sup>1</sup> Refer to ASX announcement “High Grade Intersections at Silver Swan” released 20 December 2021

**Long Section of recent intersections in and around Tundra-Mute and Peking Duck**



## Potential Feed Sources

Black Swan Open Pit

Silver Swan

Golden Swan

Silver Swan Tailings

Stockpile

Future feed – 100% owned  
Windarra & 3<sup>rd</sup> party feed

Blending feed sources can be complicated. Metallurgy studies on feed blends is crucial to optimise Ni recovery and ensuring a marketable product.

## Greater Than 5 Years Project Life

Refurbishment: 6 months, capex  
\$22.1M<sup>1</sup>



1.1Mtpa circuit, opex \$29.40/t<sup>1</sup> diesel  
power, \$26.00/t grid power

Inflationary pressures on cost estimates noted in recent feasibility studies. (i.e. Liontown, Bardoc)

## Marketable Concentrate

### Target Concentrate Specifications

- Ni grade 10% or greater
- Fe:MgO greater than 3:1
- Arsenic below 5,000ppm

### Offtake Terms

- Offtake terms have improved recently
- Higher quality concentrate will command better offtake terms

Smeltable concentrates have impurity restrictions, product specs need to be within rejection limits.

# Fill the Mill Indicative Timetable as at February 2022



BIG MILL 1.1 MTPA	Mar Q22	Jun Q22	Sep Q22	Dec Q22	Mar Q23
<b>ORE SOURCES</b>					
<b>GOLDEN SWAN</b>					
Mining Study / Reserve Estimate	Maiden Resource completed, working on reserve				
<b>SILVER SWAN</b>					
Resource Upgrade Drilling					
Mining Study / Reserve Estimate					
DSO Evaluation					
<b>BLACK SWAN DISSEMINATED OPEN PIT</b>					
Mining Study Upgrade					
Open Pit Resource Drilling					
<b>SILVER SWAN TAILINGS</b>					
Metallurgical Testwork					
<b>PROCESS PLANT (1.1mtpa option)</b>					
Ore Blend Metallurgical Testwork					
Bankable Feasibility Study					
2 <sup>nd</sup> Preliminary Economic Assessment	● April 2022				
Regulatory Approvals					
Final Investment Decision	● Mid Jul 2022				
<b>PROJECT DEVELOPMENT</b>					
Plant Refurbishment					
Open Pit Dewatering					
Underground Mine Development					
Open Pit Mine Development					
Ore Commissioning					

Note: proposed timeline could change subject due to delays in completing proposed workstreams, factors outside the control of the Company or micro economic considerations like commodity prices and exchange rates.

## LAKE JOHNSTON PROCESSING PLANT



## History

- Emily Ann - 1.5Mt @ 3.5% Ni mined / processed between 2001-2007
- Maggie Hays – initial Resource of 12.3Mt @ 1.5%Ni, mined and processed between 2008-2013
- **11.5Mt ore mined and processed to produce +100kt Ni\***

## Current Resources & Infrastructure

- Maggie Hay - 3.5Mt @ 1.5% Ni for 52kt Ni<sup>1</sup>
- 1.5Mtpa process plant (on C&M)
- GR Engineering plant refurb estimate of \$31M<sup>2</sup> and opex of \$36/t<sup>2</sup>

## Exploration & Development Plans

- NewExco exploration targeting completed, 1st phase drilling program of 15,000m planned, POW submitted, targeting commencement in Q2 2022
- Update mining study on Maggie Hays
- Undertake BFS



Lake Johnston 1.5Mtpa processing plant

\*Contained Ni metal

<sup>1</sup> Reference Mineral Resources Statement Table 1 attached . <sup>2</sup> Refer to ASX Announcement "Lake Johnston GR Engineering Study Completed" dated 27 January 2022. Capex and opex estimates to +/-20% accuracy

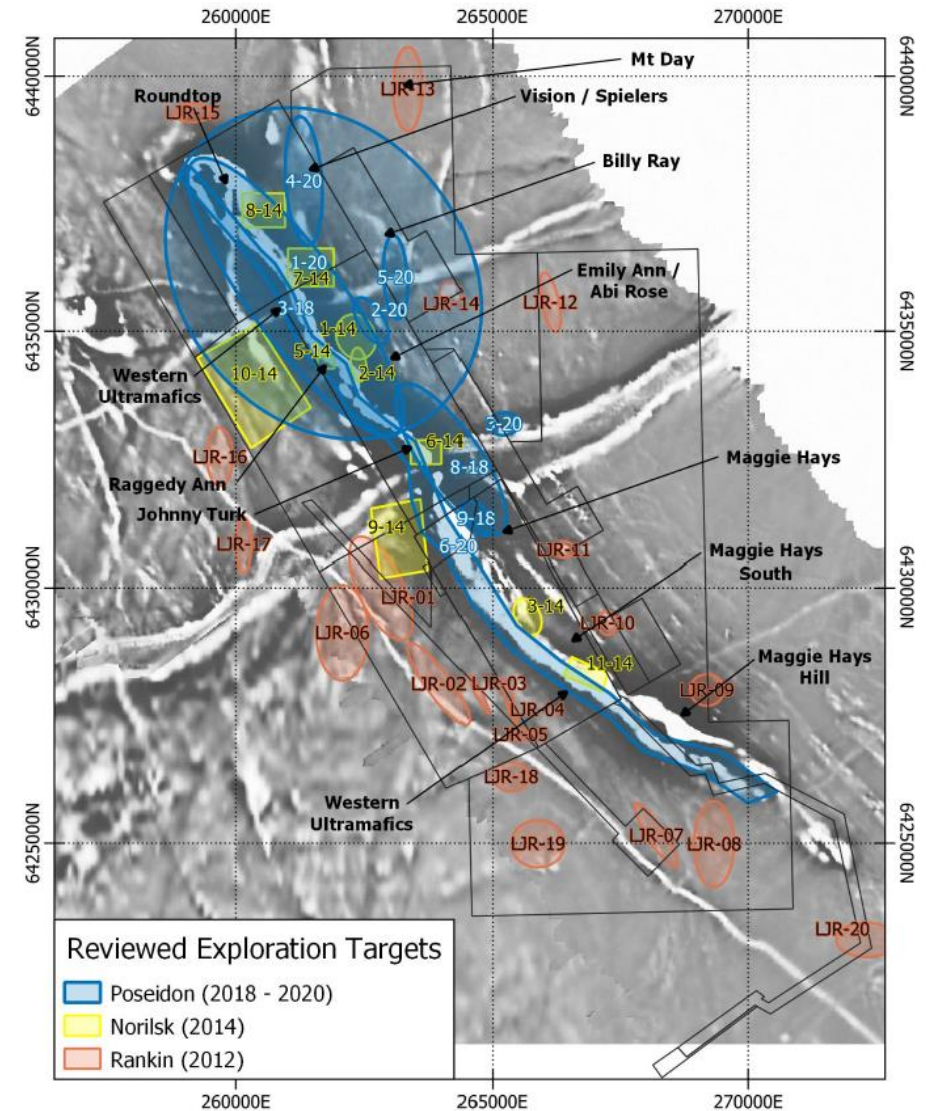


## Work Undertaken By NewExco

NewExco reviewed a number of prior studies into the exploration potential at Lake Johnston and confirmed a number advanced targets

## Targets Identified

- Abi Rose Extension Drilling
- Maggie Hays drilling for Resource Expansion - based on the reopening of the Maggie Hay underground operation
- Emily Ann/Abi Rose type intrusions - relogging to identify and locate parts of the ultramafic intrusive system that may have been overlooked
- Vision/Spielers - Surface EM/Drilling - these areas have encountered nickel sulphides in the past, proving the prospectivity of the area
- **Western Komatiite/Roundtop - Surface Sampling/RC Drilling - a valid target in an underexplored area with high prospectivity – 1<sup>st</sup> drilling program for 2022 will target this area**



## WINDARRA HEAD FRAME



## History

- Discovered in 1969, Mined from 1974-1983
- **8Mt mined / processed to produce 84kt Ni\***

## Current Resources & Infrastructure

- Mt Windarra 71.5kt Ni\* (grade - 1.64%)<sup>1</sup>
- Cerberus Nickel 69kt Ni\* (grade - 1.5%)<sup>1</sup>
- South Windarra 8kt Ni\* (grade - 0.98%)<sup>1</sup>
- Gold Tailings contains ~180,000 oz/Au Resource<sup>2</sup>
- July 2021 BFS on Gold Tailings Project<sup>2</sup> – confirmed low risk, low capex & opex
- State Agreement – Terminated to allow for gold tailings to be processed on site

## Future Activities – Gold Tailings & Nickel Production Focus

### Gold

- DFS completed July 2021<sup>2</sup> – 53koz recoverable, free cash \$30.6M, IRR 50%
- Argonaut PCF seeking partners for the development, indicative offers received, shortlisted parties advised, firm offers will be sort post more detailed DD

### Nickel

- Plan to update studies on mining Mt Windarra and trucking to Black Swan or Leinster

\*Contained Ni metal

<sup>1</sup> Refer Mineral Resource Statement attached Table 2

<sup>2</sup> Refer to ASX Announcement “Robust BFS completed for Windarra Gold tailings Project” dated 23 July 2021

<sup>3</sup> Refer to ASX Announcement “Poseidon to acquire rights to treat Lancefield gold tailings” dated 17 August 2020

# Value Add to Fill the Mill Strategy

## Current Plan

Refurbish existing mill, de-rated to 1.1Mtpa throughput and feed with low grade open pit and high-grade underground ore and Silver Swan tailings

## More Black Swan

Continue to drill test the Black Swan disseminated mineralised zone to increase quantity of serpentinite ore

## Other Feeds

Evaluate trucking Windarra ore to Black Swan and/or third-party feeds

## Further Exploration Success

Continue to explore for high grade sulphide mineralisation



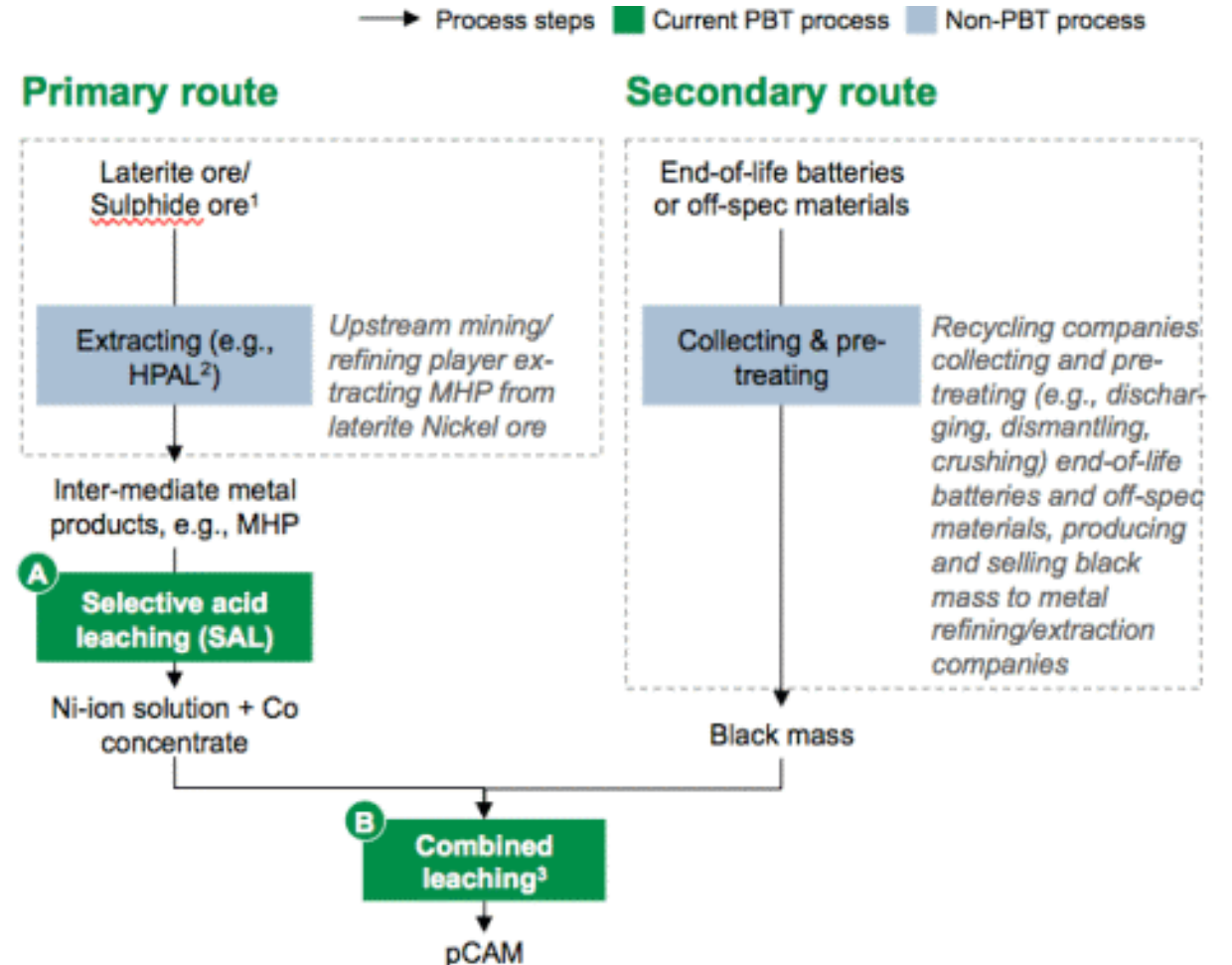
## Poseidon has entered into a MOU<sup>1</sup> with Pure Battery Technologies to evaluate the establishment of a regional nickel refinery producing battery metals in WA

### Pure Battery Technologies

- Pure Battery Technologies (PBT) is an international nickel and cobalt refiner in Germany (via an affiliated company)

### Recent News

- Preliminary leach testwork by PBT demonstrates that Black Swan concentrates could be suitable feed material for the proposed pCAM hub project in Kalgoorlie
- The leaching test work achieved **>90% extraction of nickel** and **>95% extraction of cobalt**<sup>2</sup>



<sup>1</sup> Refer to ASX Announcement "MOU signed to investigate battery materials refinery in WA" dated 13 October 2021.

<sup>2</sup> Refer to ASX Announcement "Excellent Nickel Extraction at Black Swan Concentrates" dated 3 February 2022.

# Key Deliverables – Pathway to Production in 2023

## Black Swan

- Convert Golden Swan Resource to Reserve
- Grow Silver Swan Indicated Resource and convert to Reserve
- Increase serpentinite mining inventory in the Black Swan Open Pit
- Continue to explore for high-grade mineralisation
- Complete BFS on 1.1Mtpa processing plant fed from combination of open pit, underground, Silver Swan tailings and stockpiles
- Continue evaluation of DSO option for high grade underground ore
- FID by July 2022 and commissioning of mill during 1Q 2023

## Mt Windarra

- Terminate State Agreement – Royal Assent given on 2 March 2022
- Find suitable partner for the gold tailings asset
- Study option of trucking ore to Black Swan or Leinster

## Lake Johnston

- Commence drilling on exploration targets
- Update mining and processing studies on Maggie Hays orebody and 1.5Mtpa mill





# POSEIDON NICKEL

Peter Harold  
Managing Director & CEO

T: +61 (0) 6167 6600

E: [admin@poseidon-nickel.com.au](mailto:admin@poseidon-nickel.com.au)

W: [poseidon-nickel.com.au](http://poseidon-nickel.com.au)

ASX:POS



@Poseidon-Nickel



poseidon-nickel



# Mineral Resource and Reserve Statement Tables



**Table 1: Nickel Projects Mineral Resource Statement**

Nickel Sulphide Resources	JORC Compliance	Cut Off Grade	MINERAL RESOURCE CATEGORY												
			INDICATED			INFERRED			TOTAL						
			Tonnes (kt)	Ni% Grade	Ni Metal (t)	Tonnes (kt)	Ni% Grade	Ni Metal (t)	Tonnes (kt)	Ni% Grade	Ni Metal (t)	Co% Grade	Co Metal (t)	Cu% Grade	Cu Metal (t)
<b>BLACK SWAN PROJECT</b>															
Black Swan	2012	0.40%	9,600	0.68	65,000	21,100	0.54	114,000	30,700	0.58	179,000	0.01	4,200	NA	-
Silver Swan	2012	4.50%	108	9.4	10,130	61	9.7	5,900	168	9.5	16,030	0.19	316	0.4	679
Golden Swan	2012	1.00%	111.6	4.7	5,200	48.4	2.2	1050	160	3.9	6,250	0.08	123	0.3	480
<b>LAKE JOHNSTON PROJECT</b>															
Maggie Hays	2012	0.80%	2,600	1.6	41,900	900	1.17	10,100	3,500	1.49	52,000	0.05	1,800	0.1	3,400
<b>WINDARRA PROJECT</b>															
Mt Windarra	2012	0.90%	922	1.56	14,000	3,436	1.66	57,500	4,358	1.64	71,500	0.03	1,200	0.13	5,700
South Windarra	2004	0.80%	772	0.98	8,000	-	-	-	772	0.98	8,000	NA	-	NA	-
Cerberus	2004	0.75%	2,773	1.25	35,000	1,778	1.91	34,000	4,551	1.51	69,000	NA	-	0.08	3,600
<b>TOTAL</b>															
Total Ni, Co, Cu Resources	2004 & 2012		16,887	1.04	179,230	27,275	0.81	222,550	44,209	0.9	401,780	0.02	7,639	0.03	13,859

**Table 1 – Nickel Resource Table**

Black Swan Resource as at 22 Jul 2014 (ASX announcement “Poseidon Announces Black Swan Mineral Resource” 4 Aug 2014)  
 Silver Swan Resource as at 5 Aug 2019 (ASX announcement “Silver Swan Resource Upgrade...” 5 Aug 2019)  
 Maggie Hays Resource as at 17 Mar 2015 (ASX announcement “50% Increase in Indicated Resources at Lake Johnston” 17 Mar 2015)  
 Golden Swan Resource as at 27 Oct 2021 (ASX Announcement “Golden Swan Maiden Resource” 27 Oct 2021)  
 Mt Windarra Resource as at Nov 2014 (ASX announcement “Poseidon Announces Revised Mt Windarra Resource” 7 Nov 2014)  
 South Windarra and Cerberus Resource as at 30 Apr 2013 (ASX announcement “Resource Increase of 25% at Windarra Nickel Project” 1 Dec 2011)  
 The Company is not aware of any new information or data that materially affects the information in the relevant market announcements. All material assumptions and technical parameters underpinning the estimates in the relevant market announcements continue to apply and have not materially changed.

**Table 1B – Silver Swan Tailings Resource**

Silver Swan Tailings Resources as at 15 September 2021 (ASX Announcement “Silver Swan Tailings – Maiden Resource Estimate” 15 September 2021)

**Table 2.1 Windarra Gold Tailings Project JORC2012 Mineral Resource**

The Windarra Tailings estimate for North and South Dams has been reported based on the following:  
 •no cut-off grade has been used to report the resource, as potential mining method dictates removal of the entire dams.  
 •a dry bulk in situ density of 1.6 t/m<sup>3</sup> has been used to derive tonnages.  
 •resource numbers in Table 2.1 may not sum exactly due to rounding.

**Table 2.2 Windarra Central Dam JORC2012 Mineral Resource**

The Windarra Tailings estimate for the Central Dam has been reported based on the following:  
 •No cut-off grade has been used to report the resource, as the potential mining method dictates removal of the entire dam down to a specified elevation.  
 •The mineralisation has been reported above a flat elevation of 446 mRL; there are tailings below this level but these have been shown by drilling to contain no gold, and it is anticipated that the proposed mining method will not treat material below this elevation.  
 •A dry bulk in situ density of 1.6 t/m<sup>3</sup> has been used to derive tonnages.  
 •Resource totals may not sum exactly due to rounding.  
 Windarra Gold Tailings Resource as at 22 June 2020 (see ASX announcement “Gold Tailings Resource at Windarra updated to JORC 2012 Indicated” 22 Jun 2020). The Company is not aware of any new information or data that materially affects the information in the relevant market announcements. All material assumptions and technical parameters underpinning the estimates in the relevant market announcements continue to apply and have not materially changed.

**Table 3 – Nickel Reserve Table**

Silver Swan Underground Reserve as at 26 May 2017 (ASX announcement “Silver Swan Definitive Feasibility Study” 26 May 2017).  
 Black Swan Open Pit Reserve as at 5 Nov 2014 (ASX announcement “Poseidon Announces Black Swan Ore Reserve” 5 Nov 2014).  
 The Company completed an upgrade to the Silver Swan Indicated Resource in 2019 which was based upon the 2015 Silver Swan Resource Estimate (refer Table 1 above). At this point it is not known the impact the updated to the Silver Swan Resource will have on the Silver Swan Reserve.  
 The Company is not aware of any other new information or data that materially affects the information in the relevant market announcements for the Black Swan Open Pit Reserve. All material assumptions and technical parameters underpinning the estimates in the relevant market announcements continue to apply and have not materially changed.

**Table 2: Gold Tailings Project Mineral Resource Statement**

Table 2.1 Windarra Gold Tailings Project North and South Dams Mineral Resource – JORC 2012 Tabulation											
Zone	Table 1B. Silver Swan Tailings Resource - September 2021										
	Measured										
	Tonnes	Ni%	Ni t	Cu%	Co ppm	Fe%	MgO%	As%	S%	Density	
1	280,600	0.75	2,118	0.02	283	16.7	8.81	0.04	7.56	2.84	
2	394,365	1.04	4,082	0.06	967	26.1	4.71	0.17	13.56	3.09	
<b>Total</b>	<b>674,964</b>	<b>0.92</b>	<b>6,201</b>	<b>0.04</b>	<b>683</b>	<b>22.2</b>	<b>6.42</b>	<b>0.11</b>	<b>11.06</b>	<b>2.98</b>	

Table 2.2 Windarra Gold Tailings Project Central Dam Mineral Resource – JORC 2012 Tabulation							
	INDICATED						
	Tonnes (t)	AU (g/t)	Au (oz)	Ag (g/t)	As (ppm)	CU (ppm)	Ni (%)
	North Dam	3,902,000	0.78	98,000	1.9	1,805	365
South Dam	850,000	0.50	14,000	0.6	645	355	2,533
<b>Total</b>	<b>4,752,000</b>	<b>0.73</b>	<b>112,000</b>	<b>1.7</b>	<b>1,600</b>	<b>363</b>	<b>1,250</b>

Central	INDICATED					
	Tonnes (t)	AU (g/t)	Au (oz)	As (ppm)	CU (ppm)	Ni (%)
	6,198,000	0.37	74,000	435.0	270	0.3

**Table 3: Nickel Project Ore Reserve Statement**

Nickel Sulphide Reserves	JORC Compliance	ORE RESERVE CATEGORY		
		PROBABLE		
		Tonnes (kt)	Ni % Grade	Ni Metal (t)
Silver Swan Project				
Silver Swan Underground	2012	130	5.2	6,800
Silver Swan Open Pit	2012	3,370	0.63	21,500
<b>Total Ni Reserves</b>	<b>2012</b>	<b>3,500</b>	<b>0.81</b>	<b>28,300</b>