



25 July 2023 | ASX: SLS

# **June 2023 Quarterly Activities Report**

Solstice Minerals Limited (**Solstice** or the **Company**) is pleased to present its Quarterly report (**Report**) for the period ended 30 June 2023 (**Quarter**).

#### **Highlights**

#### **Operations**

#### **Yarri Project (Gold & Rare Earth Oxides)**

- Aircore drilling completed at the Hobbes Gold Project (Solstice 80%) identified a high-priority potential fresh-rock TREOY target at the Leviathan Prospect (Leviathan), a strongly magnetic intrusion more than 1km diameter located in the southern part of the licence where historical drilling<sup>1</sup> had reported strongly anomalous rare earth element (TREOY<sup>2</sup>) end of hole (EOH) assays to 0.38%<sup>3</sup>.
- The new drilling at Leviathan returned individual **EOH results up to 0.97% Rare Earth Oxides + Yttrium (TREOY**<sup>4)</sup> and consecutive holes at >0.1% TREOY at EOH in partly weathered syenite. The Prospect has elevated neodymium and praseodymium values, with results up to 0.28% Nd+Pr oxides.
- Follow-up aircore drilling is planned at Leviathan to map the distribution of high-grade TREOY, and the footprint of the intrusion itself. Confirmation of a high-grade fresh rock target at the Leviathan Prospect would be an exciting development for the Company and spur initial RC testing.
- Gold targets tested returned anomalous (>0.10g/t Au) assays at several new locations, including composite intercepts up to 8m @ 0.24g/t Au and 5m @ 0.77g/t Au at Hobbes South, an area of anomalism 2km south of the 177,000-ounce<sup>5</sup> Hobbes deposit. The drilling has opened new corridors for potential follow-up and step-out drilling.
- The Hobbes gold endowment provides a foundation for further resource growth through ongoing exploration led by first-pass aircore drilling. Exploration in coming months will test a pipeline of high-quality structural and intrusive targets on the Company's nearby 100% owned tenure, and progress open positions at the Hobbes Gold Project.
- The Company sees strong potential to identify new standalone-scale gold systems in under-explored targets (Bunjarra, Kildare, Boyce and Wallbrook South), particularly below the widespread transported cover. Other prospects (Statesman Well and

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<sup>&</sup>lt;sup>1</sup> Refer to ASX: SLS 11May 2023 'Commencement of Regional Aircore Drilling Hobbes Gold Project'

 $<sup>^2</sup>$  TREOY is defined as the sum of CeO2 + Dy2O3 + Er2O3 + Eu2O3 + Gd2O3 + Ho2O3 + La2O3 + Lu2O3 + Nd2O3 + Pr6O11 + Sm2O3 + Tb4O7 + Tm2O3 + Yb2O3 + Y2O3. Note: TREOY values quoted for historical drillholes are on the basis of available analytical data and may not always be a full suite analysis.

<sup>&</sup>lt;sup>3</sup> Geological Survey of Western Australia Open File Report A59713.

<sup>&</sup>lt;sup>4</sup> Refer to ASX: SLS 3 July 2023 'Aircore Drilling at Hobbes Delivers Rare Earth Oxide Results up to 0.97%, plus New Gold Anomalism'.

<sup>&</sup>lt;sup>5</sup> Refer to ASX announcement on 22 March 2023 – Robust Maiden Gold Mineral Resource at Hobbes'.



**Bluetooth**) offer potential for 'bolt-on' ounces to add value to the Hobbes Mineral Resource.

• The Hobbes deposit is strategically positioned for future commercialisation, benefiting from its proximity to a well-established mining and haul road infrastructure, only 5km southwest of Northern Star Limited's Porphyry Mining Centre.

#### **Ringlock Project (Nickel)**

- The Ringlock Project contains the GSP Prospect, a high-tenor magmatic nickel sulphide system where Solstice's 2023 diamond drilling<sup>6</sup> has returned vein results up to 1.81m @ 18.1% nickel, 19.06g/t palladium 2.22g/t platinum, and 2.21g/t gold.
- Geological modelling during the Quarter has identified a potential high-value downplunge exploration target in a possible extension of the GSP channel in an untested 'panel' of footwall contact on the southeast side of the cross-cutting Owen Fault (Owen Fault or Fault).
- Nickel mineralisation is interpreted to be a structurally modified footwall hosted massive nickel sulphide (and associated disseminated sulphides) occurrence that plunges moderately to the south toward the Owen Fault.
- Previous drilling in the target location has been minimal, comprising only three pierce points that intersected the westernmost (footwall) ultramafic contact. All of these holes were located above the intended plunge target (i.e. drillholes were too shallow). One of these holes<sup>7</sup> had elevated coincident nickel (4700ppm) and copper (400ppm) geochemistry, further confirming the viability of the target.
- Shallow reverse circulation (RC) drilling is planned to firm-up the orientation of the prospective footwall contact, in preparation for possible targeted diamond drilling and a down-hole electromagnetic (EM) survey.

#### **Exploration Regional**

- Compilation and field evaluation activities continued throughout Solstice's circa 2,900km<sup>2</sup> tenement holdings. The objective was to identify and develop high-quality gold, base metal and battery metal targets, with the intention to prioritise these targets for first-pass drill-testing.
- Preparatory works are underway in anticipation of aircore drilling at high-priority gold structural targets in the regional Yarri tenure including **Bunjarra**, **Kildare**, **Wallbrook East**, and **Boyce**.
- Additional tenure was acquired at the **Ponton Project** where target generation work
  continued over soil-covered aeromagnetic features with Au, Ni-Cu and rare earth oxide
  potential. Planned first-stage aircore drilling remains subject to heritage clearance and the
  Company continued to seek engagement with the relevant Native Title group.
- The most promising areas within the tenement group, which are considered to have significant potential for lithium caesium tantalum (LCT) pegmatite development and

<sup>&</sup>lt;sup>6</sup> Refer to ASX: SLS 10 March 2023 (High Grade Nickel Sulphide Drill Results at GSP Prospect) and ASX: SLS 31 March 2023 (High Grade Platinum and Palladium in Nickel Sulphides at GSP Prospect)

<sup>&</sup>lt;sup>7</sup> Refer to Geological Survey of Western Australia Open File Report A4350, percussion drillhole GS052



enriched felsic intrusives containing TREOY, are being systematically evaluated and verified on the ground.

- Landholding is under continual review, with new Exploration Licence applications made in the Yarri and Ponton Project areas, as well as strategic surrender of lower-priority ground.
- New exploration tenure secured in Ashburton Mineral Field for nickel-copper-PGE (Nanutarra Project) and LCT pegmatite mineralisation. Soil sampling is planned over a significant mafic-ultramafic intrusive complex at Nanutarra in the coming Quarter.

#### **Corporate**

- Mr Michael Emery was welcomed to the Solstice board as a Non-Executive Director, effective 1 July 2023. Mr Emery is a mining engineer with an MBA and broad experience in both the mining and corporate industries including as a resources analyst and on the dealing desk at Euroz Hartleys in Perth. Mr Emery replaced Non-Executive Director Mr. Robert Rigo, who retired on 30 June 2023.
- Solstice remains in an excellent cash position with \$10 million as at 30 June 2023 and no debt, which leaves the Company well placed to evaluate opportunities beyond its current portfolio which will deliver significant value to its shareholders

This announcement has been authorised for release by the Board.

For further information please contact:

#### **Nick Castleden**

CEO & Managing Director T: +61 (8) 9200 1838



#### 1. EASTERN GOLDFIELDS PROJECTS

Solstice continued a high level of exploration activity on its gold, base and battery metal targets in the Eastern Goldfields of Western Australia, where the Company currently has a significant footprint of granted licences and licence applications covering approximately 2,900km<sup>2</sup>.

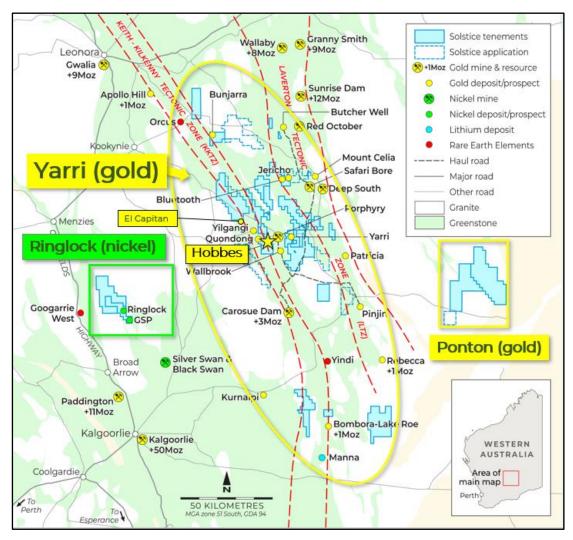


Figure 1 - Location of Solstice's projects with regional geology

#### 1.1 Yarri Project (Gold)

The Yarri Project is located approximately 150km northeast of Kalgoorlie between the Keith-Kilkenny Tectonic Zone (KKTZ) and the Laverton Tectonic Zone (LTZ), both of which are major craton-scale structural features known to control significant gold endowment in this part of the Eastern Goldfields. The Company's Yarri tenement holdings extend over more than 100km of strike and surround the Carosue Dam, Porphyry and Deep South Projects that form part of Northern Star Resources' Carosue Dam Operations (Figure 1) reported as hosting 4.2Moz<sup>8</sup> gold at 2.1g/t. The Company also holds tenements contiguous and surrounding M3 Mining Limited's recently announced El Capitan gold discovery<sup>9</sup> northwest of the Hobbes gold deposit.

<sup>&</sup>lt;sup>8</sup> Source: Northern Star Resources Limited FY22 Annual Report

<sup>&</sup>lt;sup>9</sup> Refer to ASX: M3M 10 July 2023 'Spectacular gold mineralisation confirmed at Edjudina'.



#### **Hobbes Gold Project (E31/1117 - Solstice 80%)**

The Hobbes Project is well situated close to established mining and haul road infrastructure approximately 5km southwest of Northern Star Limited's Porphyry Mining Centre (*Figure 2*). Northern Star operates open-pit and underground gold mines at Porphyry and is hauling material to its Carosue Dam operations located 36km to the south.

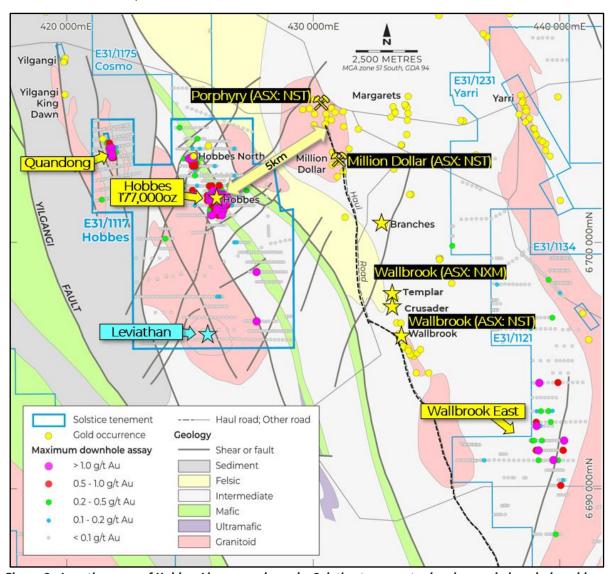


Figure 2 - Location map of Hobbes Licence and nearby Solstice tenements showing peak downhole gold assays and the new Leviathan rare earth oxide target, on simplified geology and adjoining gold projects.

Solstice recently completed a pit-constrained Mineral Resource Estimate (MRE) at the Hobbes deposit comprising 4.6Mt at 1.2g/t Au for **177,000 ounces of gold**. High level economic criteria were applied to the resource which was reported at a 0.6g/t Au cut-off and constrained within an A\$2,500/oz optimised pit shell.

The Hobbes gold deposit provides a solid foundation for further resource growth through exploration, and this work continued during the Quarter. The Licence has widespread transported alluvial material and target testing is best progressed via aircore drilling. The Company drilled 143 aircore holes for 6,645m during the period, identifying new gold anomalism and promising rare earth oxide mineralisation at the **Leviathan Prospect.** 



#### Rare Earth Oxides + Yttrium (TREOY)

Aircore drilling returned a **highly anomalous EOH result of 0.97% TREOY** in LVNAC0152 at the **Leviathan Prospect**, associated with a prominent strongly magnetic syenitic intrusion over 1km in diameter located in the south of the tenement (Figure 3). The EOH anomalism in LVNAC0152 is supported by an anomalous composite sample in overlying weathered intrusive (**8m @ 0.52% TREOY**) and improved upon anomalism up to 0.38% TREOY at EOH in historical drillholes.

Consecutive aircore holes approximately 160m apart at the Leviathan Prospect ended in syenite and contained >0.1% TREOY at EOH (Figure 4). Samples in this area also have elevated neodymium and praseodymium, with LVNAC0152 containing up to 0.28% Nd+Pr oxides.

Importantly the freshest (least weathered) samples contain the highest TREOY readings, suggesting potential for a primary (fresh rock), syenite intrusive related system. Additional aircore drilling is planned in the upcoming coming weeks in order to assess and determine the extent of the high-grade EOH TREOY results found at this location.

In various locations across the Hobbes Licence, aircore drilling returned a result of >0.1% TREOY. This was observed either through selected 8m composite samples in oxide profiles or at EOH as shown in Figure 3.

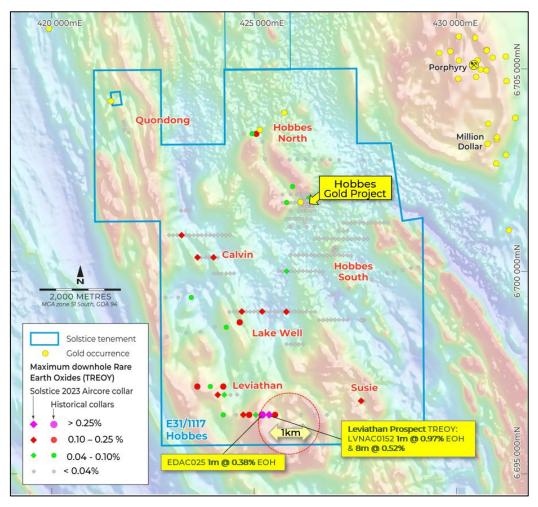


Figure 3: Aeromagnetic image of the Hobbes Licence showing prospect areas and peak downhole rare earth oxide (TREOY) values in Solstice aircore and historical drilling. Only drillholes with full or partial suite rare earth oxide analysis are shown.



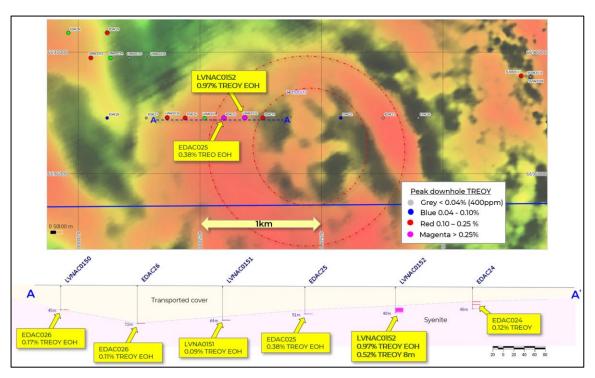


Figure 4: Aeromagnetic image and cross section of the Leviathan Prospect showing ringed magnetic responses and peak downhole rare earth oxide (TREOY) values in Solstice aircore and historical drilling. Only drillholes that have full or partial suite rare earth oxide analysis are shown.

#### Gold

Aircore drilling also provided first-pass tests of a series of soil-covered lithological and structural positions considered similar to that at the **177,000-ounce Hobbes Gold Project**. The program returned anomalous (>0.10g/t Au) gold results at several new locations, particularly to the southeast of Hobbes, and potentially in an orientation parallel to cross-cutting north-east trending faulting in this area. The distribution of anomalous gold results is shown in Figure 5.

Exploration in coming months will continue to assess and rank high-quality structural and intrusive targets on the Hobbes Licence and nearby 100% owned tenure.



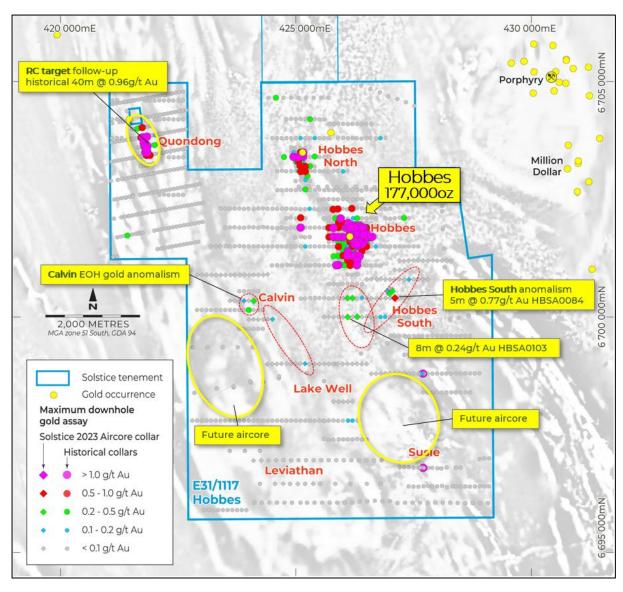


Figure 5: Aeromagnetic image of the Hobbes licence showing prospect areas, peak downhole gold values in Solstice aircore and historical drilling and future drill targets.

#### 1.2 Ringlock Project (Nickel)

The Ringlock Project is located approximately 80km north-northwest of Kalgoorlie and hosts the northerly extension of the ultramafic belt which contains the high-grade Silver Swan massive nickel sulphide mine, located 30km to the southeast (historical underground production 2.7Mt @ 5.1% Ni for 137.5kt Ni – refer to ASX: POS).

The Project covers two nickel sulphide prospects (**Ringlock** and **GSP**) (Figure 6) that were discovered during the nickel exploration boom in the 1970s and have seen several phases of exploration since. The GSP Prospect hosts disseminated magmatic sulphide mineralisation in channelised ultramafic flows as well as stringer and vein style accumulation along and below the key prospective basal/footwall contact.



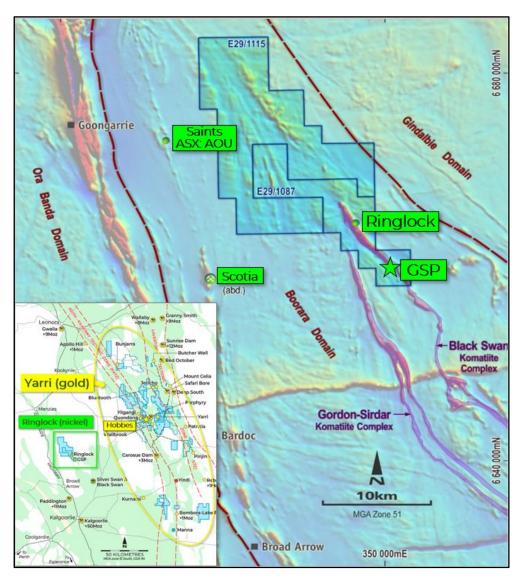


Figure 6: Location map of the Ringlock Nickel Project (E29/1087), ultramafic belts and aeromagnetic imagery

The GSP Prospect is a high-tenor magmatic nickel sulphide system where Solstice's 2023 diamond drilling has returned vein results to **1.81m @ 18.1% nickel**, **19.06g/t palladium 2.22g/t platinum**, **and 2.21g/t gold**. Nickel mineralisation is interpreted to be a structurally modified footwall hosted massive nickel sulphide (and associated disseminated sulphides) occurrence.

During the Quarter the Company carried out detailed compilation and interpretation, which confirmed the mineralised ultramafic flows and associated remobilised footwall massive nickel sulphide occurrences form an overlapping channel of mineralisation. This channel exhibits a moderate southward plunge towards a local north-south trending fault Owen Fault along with associated cross-cutting porphyry intrusions (Figure 7).

In long-section view (Figure 8), the Fault is interpreted as a boundary separating the GSP footwall ultramafic contact from a fault-offset panel of equivalent footwall ultramafic contact to the south. Importantly the previous drilling into this southern panel remains very sparse, with only three holes interpreted to have pierced the footwall contact, and there has been no drilling undertaken to test the proposed GSP plunge target.



Significantly, historical percussion hole GS052 drilled a talc-carbonate altered westernmost (I.e. footwall) ultramafic flow with coincident elevated nickel (4700ppm) and copper (400ppm) over a 5' (1.52m) interval. These values are consistent with disseminated nickel sulphides and there has been no further drill testing conducted on this flow extending at least 150m to the north and for 300m to the south.

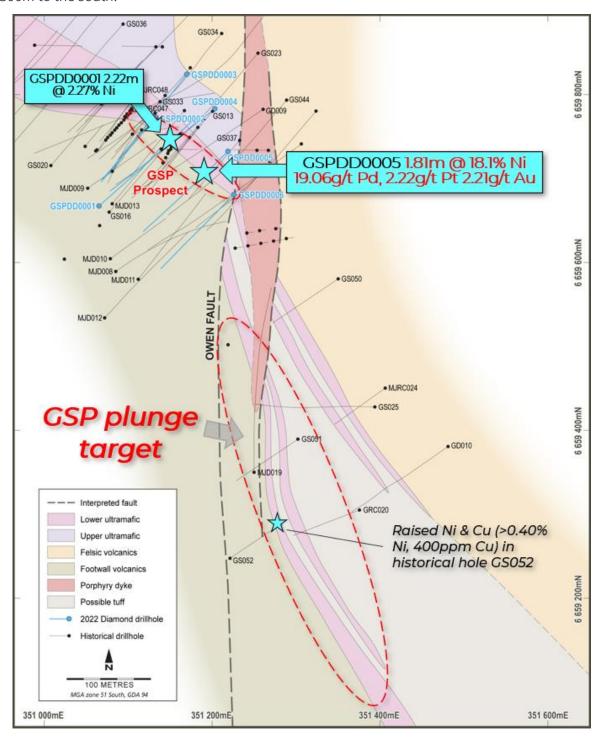


Figure 7: Simplified geology of the GSP Prospect and southern extension on the far side of the Owen Fault corridor. The GSP channelised (thickened) footwall ultramafic is interpreted to plunge below the southern panel of footwall ultramafic. Note limited drilling in the target area.



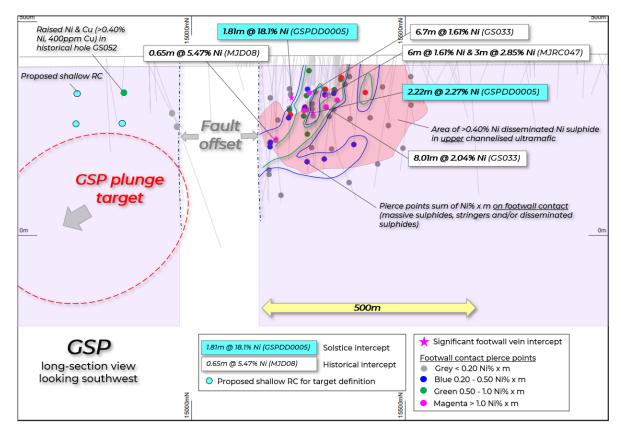


Figure 8: Long-section view of GSP footwall contact looking grid west (magnetic SW) showing mineralised footwall contact pierce points, footwall vein pierce points, and overlying area of disseminated sulphides that together form an overlapping corridor plunging south to the Owen Fault. The continuation of the mineralised corridor into the southern panel of ultramafic presents a high-value exploration target.

The Company considers that the offset southern continuation of the GSP mineralised channel below GS052 represents a highly promising exploration target that warrants drill-testing. To firm-up the orientation and chemistry of the westernmost ultramafic flows, a shallow RC drilling program has been planned. Subsequent to this work, targeted diamond drilling and down-hole EM will be conducted which aims to enhance the accuracy and understanding the geological characteristics in this area.

#### 1.3 Ponton Project

During the Quarter the Company expanded the **Ponton Project**, a greenfield exploration landholding located 200km northeast of Kalgoorlie and immediately to the south and southeast of Western Mines Group's (ASX: WMG) Mulga Tank Ni-Cu-PGE Project (Figure 9).

The Project is considered to have good greenfield gold, base metals and rare earth oxide prospectivity, with established gold geochemical anomalism awaiting first-pass drilling as well as a series of unexplored geophysical targets that lie below transported cover. Aeromagnetic and gravity data suggests the extent of remnant greenstone terrane within the Project is more extensive than previously interpreted.

A new exploration licence application was lodged in the southwestern part of the Project to cover discrete, high-intensity aeromagnetic anomalies potentially related to carbonatite or



mafic/ultramafic intrusions. The Cundeelee carbonatite is located immediately to the south along a prominent north-south trending structure (Figure 9).

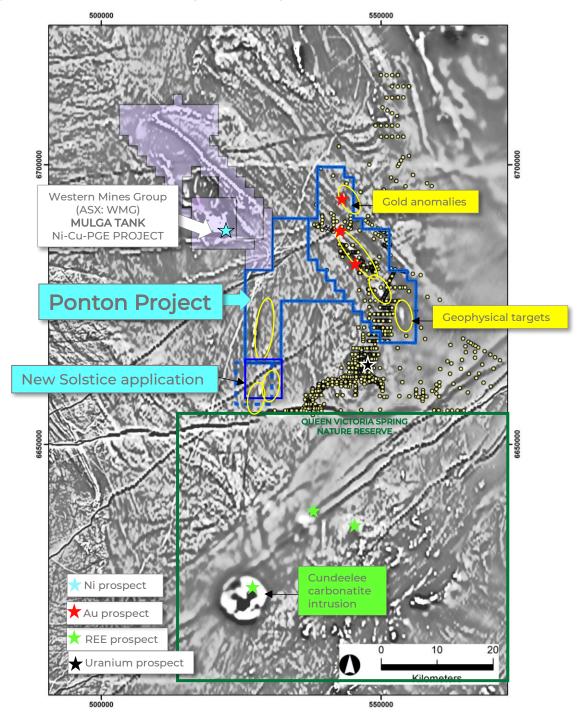


Figure 9: Ponton Project (blue outlines), geophysical targets (yellow outlines), regional metals prospects (stars) and all historical drill collars<sup>10</sup> (yellow dots) on TMI imagery.

The commencement of first pass aircore drilling at Ponton remains subject to heritage clearance and the Company continued to seek engagement with the relevant Native Title group to progress this work.

<sup>&</sup>lt;sup>10</sup> For historical drill collars refer to WA DMIRS/Data and Software Centre/Statewide spatial datasets/Mineral Exploration Drillholes.



#### 1.4 Exploration Regional

Solstice's geological team continued an active field exploration, compilation, and target validation program throughout the circa 2,900km<sup>2</sup> tenement holdings to bring forward the next tier of high-quality targets for prioritisation and first-pass aircore drill-testing.

#### Gold

The Company sees excellent potential to identify new standalone-scale gold systems in under-explored structural and lithological targets, particularly below the widespread transported cover at the **Bunjarra**, **Kildare**, **Boyce** and **Wallbrook South** prospect areas (Figure 10). Other known but under-drilled gold systems such as **Statesman Well** and **Bluetooth** offer strong potential for 'bolt-on' ounces to support the Hobbes MRE. New gold, rare earth, and lithium targets will continue to emerge as the geological team works through historical data.

Further heritage clearances are planned in coming weeks, with aircore drilling to follow.

The Company notes that its large Boyce tenement is located within 500m along strike from new gold mineralisation reported by M3 Mining Ltd at its **El Capitan** discovery (refer to ASX: M3M announcements 7 June and 10 July 2023). Solstice has generated several promising structural and geochemical targets for first pass drilling on the tenement located 18km northwest of Hobbes (Figure 10).

#### **LCT Pegmatite Potential**

The Company also continues to undertake systematic ground truthing of areas of the global tenement group considered to have potential for LCT pegmatite development. There is no evidence of historical lithium exploration on Solstice's tenure despite the southern Yarri tenements being located within 20km of Global Lithium's (ASX: GL1) Manna lithium pegmatite deposit (32Mt @ 1.0% Li2O1<sup>11</sup>) and in a similar geological setting.

Prospecting during the Quarter located additional areas of previously un-mapped pegmatite dykes on the Yarri Project tenure. While sampling has shown that pegmatites identified to date have low pathfinder chemistry, the field work demonstrates that new and potentially LCT mineralised pegmatite intrusions may exist in the tenement group.

#### **Nickel Copper Platinum Group Elements (PGE)**

A greenfield Ni-Cu-PGE opportunity at **Nanutarra** was secured under a 12-month Option to Purchase arrangement. The Project is located in the Ashburton Mineral Field approximately 90km southeast of Onslow, and covers an ovoid layered ultramafic intrusion some 9km², within the western end of the Capricorn Orogen. The intrusion has pronounced layering comprising alternating pyroxenite and serpentinised peridotite sheets around a core of peridotite.

Historical exploration has focussed on identifying massive Ni-Cu sulphide systems, but the Company considers the intrusion may also have untested potential for discrete, laterally (and depth) extensive PGE-Au mineralisation associated with Ni-Cu sulphides. No systematic soil or rock-chip geochemical sampling has been carried out to date.

Initial soil sampling is planned for the coming Quarter.

<sup>&</sup>lt;sup>11</sup> Refer to ASX: GL1 15 December 2022.



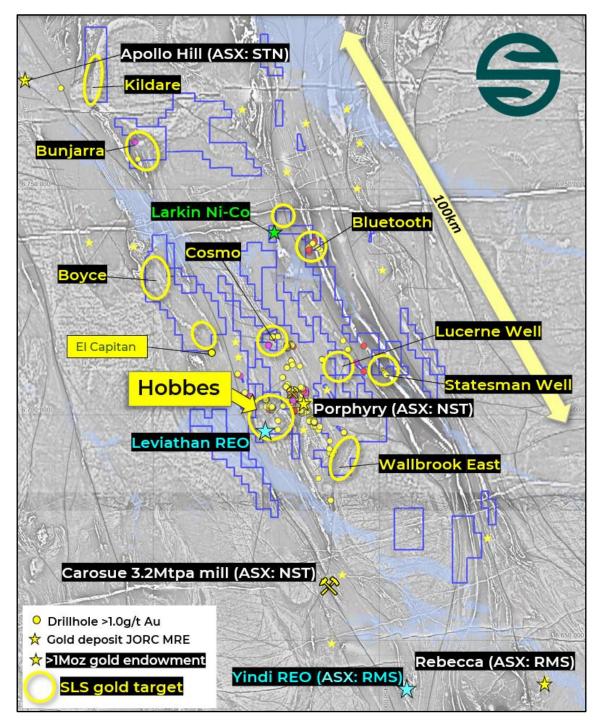


Figure 10: Yarri regional tenement group showing current high-priority gold targets.

#### **Tenure Management**

Solstice continues to review its tenure holdings, with active surrender of areas considered adequately explored, and the strategic addition of new exploration licences where opportunities present.

The Company made new exploration licence applications in the Yarri and Ponton Project areas, as well as in the Ashburton Mineral Field for potential LCT pegmatite mineralisation.



Two new exploration licence applications (ELA39/2405 and ELA39/2407) within the Yarri Project are located immediately west of the Kangaroo Bore gold deposit being advanced by Legacy Iron Ltd. The Company believes the area has good prospectivity for gold and base metal mineralisation in areas under transported cover, with a package of potentially mafic and ultramafic basement host rocks truncated by major fault structures. An aeromagnetic interpretation has revealed an association between these fault structures and the Safari Bore gold deposit, operated by Northern Star, extending southward along the same trend.

An exploration licence application (ELA08/3603) has also been made over an area covering approximately 100km² adjacent to Nanutarra and truncated by the North Coastal Highway. Historical uranium and base metal exploration in the 1970s mapped a number of pegmatites within the licence application although the pegmatites were not targeted for lithium mineralisation.

#### 2. CORPORATE

#### 2.1 Board and senior management changes

Mr Michael Emery joined the Solstice board as a Non-Executive Director, effective 1 July 2023. Mr Emery is a mining engineer with an MBA and broad experience in both the mining and corporate industries including as a resources analyst and on the dealing desk at Euroz Hartleys in Perth.

Mr Emery replaced Non-Executive Director Mr. Robert Rigo, who retired on 30 June 2023.

#### 2.2 Cash Position

On 30 June 2023, Solstice had approximately \$10 million in cash and no debt.

# 3. Additional ASX Listing Rule Disclosures

In accordance with ASX Listing Rule 5.3.1, payments for exploration activities during the Quarter totalled \$525,000 (item 1.2(a) of the Appendix 5B). Details of exploration activities undertaken during the Quarter are provided above.

In accordance with ASX Listing Rule 5.3.2, the Company confirms that there were no mining production and development activities undertaken during the Quarter.

In accordance with ASX Listing Rule 5.3.3, details of tenements are provided in Section 4 below.

In accordance with ASX Listing Rule 5.3.4, a comparison of the use of funds as per the Solstice Prospectus dated 14 March 2022 (**Prospectus**) and actual use of funds since ASX admission is presented below:



Use of Funds (\$ million)	Prospectus estimate (2 year period following admission)	Actual use from admission until 30 June 2023	Variance
Exploration Expenditure	12.30	4.83	7.47
Non-Executive Directors' Fees	0.40	0.16	0.24
Corporate Costs	2.00	1.73	0.27
Future Acquisition Costs	1.60	0	1.60
Expenses of the Offer	0.70	0.63	0.07
Total	17.00	7.35	9.65

Use of funds variance explanations are provided below:

- Actual payments to 30 June 2023 for Exploration Expenditure, Non-Executive Directors'
  Fees, Corporate Costs and Future Acquisition Costs are below the Prospectus estimates
  and in line with projected expenditure for the first twelve months of the two-year
  Prospectus estimates; and
- Actual net payments for Expenses of the Offer were lower than estimated due to the quantum of GST refunded.

The Company is currently on schedule to meet the activities and commitments outlined in the Prospectus and use of funds table in section 2.7 of the Prospectus.

In accordance with ASX Listing Rule 5.3.5, the payment of \$62,251 reported in Item 6.1 of the Appendix 5B to related parties of the entity and their associates consisted of the following:

- \$44,014 in Directors' fees and salaries (including superannuation) paid to the Directors; and
- \$18,237 paid to OreCorp under the new Service Agreement dated Transitional Services Agreement dated 7 March 2022. The Transitional Services Agreement was terminated on 17 March 2023.

All related party transactions have been entered into on an arm's length basis.



### 4. TENEMENT SCHEDULES

## List of tenements held (directly or beneficially) as at end of the Quarter:

Project	Licence/Tenement Number	Registered Holder	Beneficial Interest at end of Quarter
	E28/2583	Solstice Minerals Limited	100%
	E28/2650	Solstice Minerals Limited	100%
	E28/3124	Solstice Minerals Limited	100%
	E28/3161	Solstice Minerals Limited	100%
	E31/1117	Solstice Minerals Limited /Crosspick	80%
	E31/1121	Solstice Minerals Limited	100%
	E31/1134	Solstice Minerals Limited	100%
	E31/1150	Solstice Minerals Limited	100%
	E31/1173	Solstice Minerals Limited	100%
	E31/1175	Solstice Minerals Limited	100%
	E31/1220	Solstice Minerals Limited	100%
	E31/1225	Solstice Minerals Limited	100%
	E31/1231	Solstice Minerals Limited	100%
	E31/1236	Solstice Minerals Limited	100%
	E31/1244	Solstice Minerals Limited	100%
	E31/1245	Solstice Minerals Limited	100%
	E31/1251	Solstice Minerals Limited	100%
	E31/1262	Solstice Minerals Limited	0% - pending application
	E31/1266	Solstice Minerals Limited	0% - pending application
Yarri	E31/1286	Solstice Minerals Limited	100%
	E31/1300	Solstice Minerals Limited	100%
	E31/1303	Solstice Minerals Limited	0% - pending application
	E31/1329	Solstice Minerals Limited	0% - pending application
	E31/1341	Solstice Minerals Limited	0% - pending application
	E31/1357	Solstice Minerals Limited	0% - pending application
	P31/2118	Solstice Minerals Limited	100%
	P31/2119	Solstice Minerals Limited	100%
	E39/1914	Solstice Minerals Limited	95%
	E39/1976	Solstice Minerals Limited	95%
	E39/2187	Solstice Minerals Limited	100%
	E39/2214	Solstice Minerals Limited	100%
	E39/2215	Solstice Minerals Limited	100%
	E39/2293	Solstice Minerals Limited	100%
	E39/2301	Solstice Minerals Limited	100%
	E39/2323	Solstice Minerals Limited	100%
	E39/2351	Solstice Minerals Limited	0% - pending application
	E39/2371	Solstice Minerals Limited	0% - pending application
	E39/2388	Solstice Minerals Limited	0% - pending application



Project	Licence/Tenement Number	Registered Holder	Beneficial Interest at end of Quarter
	E39/2405	Solstice Minerals Limited	0% - pending application
	E39/2407	Solstice Minerals Limited	0% - pending application
	P39/5600	Solstice Minerals Limited	100%
	P39/5601	Solstice Minerals Limited	100%
	P39/6224	Solstice Minerals Limited	100%
	P39/6289	Solstice Minerals Limited	100%
	E28/3314	Solstice Minerals Limited	0% - pending application
Ponton	E39/2184	Solstice Minerals Limited	100%
	E39/2247	Solstice Minerals Limited	100%
B: 1 1	E29/1087	GreenCorp Metals Pty Ltd	100%
Ringlock	E29/1115	GreenCorp Metals Pty Ltd	100%
A ala la conta da	E08/2942	Cratonix Pty Ltd	0%
Ashburton	E08/3603	Solstice Minerals Limited	0% - pending application

It is noted that E31/1329 was granted on 10 July 2023.

#### List of tenements acquired (directly or beneficially) during the Quarter

Project	Licence/Tenement Number	Registered Holder	Beneficial Interest at end of Quarter
	E39/2405	Solstice Minerals Limited	0% - pending application
Yarri	E39/2407	Solstice Minerals Limited	0% - pending application
Ashburton	E08/2942	Cratonix Pty Ltd	0%

# List of tenements relinquished, reduced or lapsed (directly or beneficially) during the Quarter

Project	Licence/Tenement Number	Registered Holder	Beneficial Interest at end of Quarter
Yarri	E28/3092	Solstice Minerals Limited	0%
	E31/1242	Solstice Minerals Limited	0%

Other than as disclosed above, no other tenements were acquired or disposed during the Quarter (including beneficial interests in joint venture projects), nor were there any further changes to the beneficial interest in any tenements.



#### ABOUT SOLSTICE MINERALS LIMITED

Solstice is a minerals exploration company with gold and base metal projects in the Eastern Goldfields of Western Australia. The Company's key projects are the extensive Yarri gold landholding (which includes the advanced Hobbes gold Prospect), Ringlock Dam and the Ponton early-stage gold project.

Solstice has been listed on the Australian Securities Exchange since 2 May 2022, and trades under the code 'SLS'. The company is well funded with no debt.

#### FORWARD-LOOKING STATEMENTS

This Report may contain certain forward-looking statements, guidance, forecasts, estimates, prospects or projections in relation to future matters that may involve risks or uncertainties and may involve significant items of subjective judgement and assumptions of future events that may or may not eventuate (**Forward-Looking Statements**). Forward-Looking Statements can generally be identified by the use of forward-looking words such as "anticipate", "estimates", "will", "should", "could", "may", "expects", "plans", "forecast", "target" or similar expressions 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.

Persons reading this Report are cautioned that such statements are only predictions, and that actual future results or performance may be materially different. Forward-Looking Statements, opinions and estimates included in this Report 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.

No representation or warranty, express or implied, is made by Solstice that any Forward-Looking Statement will be achieved or proved to be correct. Further, Solstice disclaims any intent or obligation to update or revise any Forward-Looking Statement whether as a result of new information, estimates or options, future events or results or otherwise, unless required to do so by law.

#### **COMPLIANCE STATEMENT**

The information in this Report that relates to Exploration Results and estimates of Mineral Resources is extracted from the ASX announcements (**Original Announcements**) as referenced. All prior Solstice ASX announcements, Investor Updates, and the Solstice Prospectus dated 14 March 2022 are available to view on the Company's website <a href="https://www.solsticeminerals.com.au">www.solsticeminerals.com.au</a>.

Solstice confirms that it is not aware of any new information or data that materially affects the information included in the Original Announcements and, in the case of estimates of Mineral Resources, that all material assumptions and technical parameters underpinning the estimates in the Original Announcements continue to apply and have not materially changed. Solstice confirms that the form and context in which the Competent Persons' findings are presented have not been materially modified from the Original Announcements.

# Appendix 5B

# Mining exploration entity or oil and gas exploration entity quarterly cash flow report

Name of entity

SOLSTICE MINERALS LIMITED		
ABN	Quarter ended ("current quarter")	
67 150 154 162	30 JUNE 2023	

Consolidated statement of cash flows		Current quarter \$A'000	Year to date (9 months) \$A'000
1.	Cash flows from operating activities		
1.1	Receipts from customers	-	-
1.2	Payments for		
	(a) exploration & evaluation	(525)	(4,497)
	(b) development	-	-
	(c) production	-	-
	(d) staff costs	(242)	(1,061)
	(e) administration and corporate costs	(196)	(552)
1.3	Dividends received (see note 3)	-	-
1.4	Interest received	83	323
1.5	Interest and other costs of finance paid	(2)	(5)
1.6	Income taxes paid	-	-
1.7	Government grants and tax incentives	-	-
1.8	Other (provide details if material)	-	-
1.9	Net cash from / (used in) operating activities	(882)	(5,792)

2.	Ca	sh flows from investing activities		
2.1	Pay	yments to acquire or for:		
	(a)	entities	-	-
	(b)	tenements	-	-
	(c)	property, plant and equipment	(3)	(86)
	(d)	exploration & evaluation	-	-
	(e)	investments	-	-
	(f)	other non-current assets	(5)	(35)

ASX Listing Rules Appendix 5B (17/07/20)

Con	solidated statement of cash flows	Current quarter \$A'000	Year to date (9 months) \$A'000
2.2	Proceeds from the disposal of:		
	(a) entities	-	-
	(b) tenements	-	-
	(c) property, plant and equipment	-	-
	(d) investments	-	-
	(e) other non-current assets	-	-
2.3	Cash flows from loans to other entities	-	-
2.4	Dividends received (see note 3)	-	-
2.5	Other (provide details if material)	-	-
2.6	Net cash from / (used in) investing activities	(8)	(121)

3.	Cash flows from financing activities		
3.1	Proceeds from issues of equity securities (excluding convertible debt securities)	-	-
3.2	Proceeds from issue of convertible debt securities	-	-
3.3	Proceeds from exercise of options	-	-
3.4	Transaction costs related to issues of equity securities or convertible debt securities	-	47
3.5	Proceeds from borrowings	-	-
3.6	Repayment of borrowings (leases)	(22)	(55)
3.7	Transaction costs related to loans and borrowings	-	-
3.8	Dividends paid	-	-
3.9	Other	-	-
3.10	Net cash from / (used in) financing activities	(22)	(8)

4.	Net increase / (decrease) in cash and cash equivalents for the period		
4.1	Cash and cash equivalents at beginning of period	10,910	15,918
4.2	Net cash from / (used in) operating activities (item 1.9 above)	(882)	(5,792)
4.3	Net cash from / (used in) investing activities (item 2.6 above)	(9)	(121)
4.4	Net cash from / (used in) financing activities (item 3.10 above)	(22)	(8)

ASX Listing Rules Appendix 5B (17/07/20) + See chapter 19 of the ASX Listing Rules for defined terms.

Consolidated statement of cash flows		Current quarter \$A'000	Year to date (9 months) \$A'000
4.5	Effect of movement in exchange rates on cash held	-	-
4.6	Cash and cash equivalents at end of period	9,997	9,997

5.	Reconciliation of cash and cash equivalents at the end of the quarter (as shown in the consolidated statement of cash flows) to the related items in the accounts	Current quarter \$A'000	Previous quarter \$A'000
5.1	Bank balances	87	87
5.2	Call deposits	1,886	1,886
5.3	Bank overdrafts	-	-
5.4	Other – Term deposits	8,024	8,024
5.5	Cash and cash equivalents at end of quarter (should equal item 4.6 above)	9,997	9,997

6.	Payments to related parties of the entity and their associates	Current quarter \$A'000
6.1	Aggregate amount of payments to related parties and their associates included in item 1	62
6.2	Aggregate amount of payments to related parties and their associates included in item 2	-
Moto:	if any amounts are shown in items 6.1 or 6.2. your quarterly activity report must inclu	do a description of and an

Note: if any amounts are shown in items 6.1 or 6.2, your quarterly activity report must include a description of, and an explanation for, such payments.

7.	Financing facilities  Note: the term "facility' includes all forms of financing arrangements available to the entity.  Add notes as necessary for an understanding of the sources of finance available to the entity.	Total facility amount at quarter end \$A'000	Amount drawn at quarter end \$A'000
7.1	Loan facilities	-	-
7.2	Credit standby arrangements	-	-
7.3	Other (please specify)	-	-
7.4	Total financing facilities	-	-
7.5	Unused financing facilities available at qu	uarter end	-
7.6	Include in the box below a description of each facility above, including the lender, interest rate, maturity date and whether it is secured or unsecured. If any additional financing facilities have been entered into or are proposed to be entered into after quarter end, include a note providing details of those facilities as well.		

8.	Estimated cash available for future operating activities	\$A'000
8.1	Net cash from / (used in) operating activities (item 1.9)	(882)
8.2	(Payments for exploration & evaluation classified as investing activities) (item 2.1(d))	-
8.3	Total relevant outgoings (item 8.1 + item 8.2)	(882)
8.4	Cash and cash equivalents at quarter end (item 4.6)	9,997
8.5	Unused finance facilities available at quarter end (item 7.5)	-
8.6	Total available funding (item 8.4 + item 8.5)	9,997
8.7	Estimated quarters of funding available (item 8.6 divided by item 8.3)	11
	Note: if the entity has reported positive relevant outgoings (ie a net cash inflow) in item 8.3 Otherwise, a figure for the estimated quarters of funding available must be included in ite	
8.8	If item 8.7 is less than 2 quarters, please provide answers to the following	ng questions:

Does the entity expect that it will continue to have the current level of net operating cash flows for the time being and, if not, why not? 8.8.1

8.8.2	Has the entity taken any steps, or does it propose to take any steps, to raise further cash to fund its operations and, if so, what are those steps and how likely does it believe that they will be successful?
Answe	r:
N/A	

Answer: N/A

8.8.3 Does the entity expect to be able to continue its operations and to meet its business objectives and, if so, on what basis?

Answer:
N/A

Note: where item 8.7 is less than 2 quarters, all of questions 8.8.1, 8.8.2 and 8.8.3 above must be answered.

#### **Compliance statement**

- 1 This statement has been prepared in accordance with accounting standards and policies which comply with Listing Rule 19.11A.
- 2 This statement gives a true and fair view of the matters disclosed.

Date: 24 July 2023

Authorised by: By the Solstice Minerals Limited Board of Directors

(Name of body or officer authorising release – see note 4)

#### **Notes**

- This quarterly cash flow report and the accompanying activity report provide a basis for informing the market about the entity's activities for the past quarter, how they have been financed and the effect this has had on its cash position. An entity that wishes to disclose additional information over and above the minimum required under the Listing Rules is encouraged to do so.
- 2. If this quarterly cash flow report has been prepared in accordance with Australian Accounting Standards, the definitions in, and provisions of, AASB 6: Exploration for and Evaluation of Mineral Resources and AASB 107: Statement of Cash Flows apply to this report. If this quarterly cash flow report has been prepared in accordance with other accounting standards agreed by ASX pursuant to Listing Rule 19.11A, the corresponding equivalent standards apply to this report.
- 3. Dividends received may be classified either as cash flows from operating activities or cash flows from investing activities, depending on the accounting policy of the entity.
- 4. If this report has been authorised for release to the market by your board of directors, you can insert here: "By the board". If it has been authorised for release to the market by a committee of your board of directors, you can insert here: "By the [name of board committee eg Audit and Risk Committee]". If it has been authorised for release to the market by a disclosure committee, you can insert here: "By the Disclosure Committee".
- 5. If this report has been authorised for release to the market by your board of directors and you wish to hold yourself out as complying with recommendation 4.2 of the ASX Corporate Governance Council's *Corporate Governance Principles and Recommendations*, the board should have received a declaration from its CEO and CFO that, in their opinion, the financial records of the entity have been properly maintained, that this report complies with the appropriate accounting standards and gives a true and fair view of the cash flows of the entity, and that their opinion has been formed on the basis of a sound system of risk management and internal control which is operating effectively.