

QUARTERLY ACTIVITIES REPORT

For the period ending 31 December 2019



ABOUT AUROCH MINERALS LIMITED

ASX CODE: AOU

Auroch Minerals Limited is an Australian base-metals exploration company. The Company is focused on its two Nickel Projects: Saints and Leinster located in the prospective Norseman-Wiluna Greenstone Belt within the Eastern Goldfields of Western Australia.

132,920,206 fully paid ordinary shares (quoted)

A\$9.4 million market capitalisation

DIRECTORS

Aidan Platel
(Managing Director)

Ed Mason
(Non-Executive Chairman)

Chris Hansen
(Non-Executive Director)

COMPANY SECRETARY

James Bahen

CONTACT

1A/1 Alvan Street,
Subiaco WA 6008
Australia

FOLLOW US



31 January 2020

Auroch Minerals Limited (ASX:AOU) (**Auroch** or the **Company**) is pleased to provide the following report on its activities during the December 2019 quarter. The Company's primary focus during the reporting period was the exploration activities at its Saints Nickel Project (**Saints**) and Leinster Nickel Project (**Leinster**), two high-grade nickel sulphide projects in Western Australia.

2019 Q4 - HIGHLIGHTS

SAINTS NICKEL PROJECT

- Completion of a maiden eleven hole, 3,000m diamond drilling programme at Saints
- Assay results received from the first six holes at Saints confirm high-grade nickel sulphide mineralisation:
 - SNDD006: **2.22m @ 4.84% Ni, 0.34% Cu and 0.15% Co** from 110.68m down-hole, including **0.90m @ 6.01% Ni, 0.31% Cu and 0.16% Co**¹
 - SNDD005: **1.77m @ 6.72% Ni, 0.27% Cu and 0.13% Co** from 227.31m down-hole, including **0.50m @ 9.98% Ni, 0.24% Cu and 0.20% Co**¹
 - SNDD002: **3.31m @ 1.05% Ni, 0.06% Cu and 0.03% Co** from 219.90m down-hole, including **1.70m @ 1.48% Ni, 0.10% Cu and 0.05% Co**¹
- High-grade blebby nickel sulphide mineralisation intersected by SNDD007 outside of the existing resources:
 - SNDD007: **6.87m @ 0.77% Ni and 0.02% Cu** from 145.00m down-hole, including **1.87m @ 1.47% Ni and 0.03% Cu**²
- Down-hole electromagnetic (DHEM) surveying and modelling was completed for all drill-holes, highlighting strong conductors to be tested in next drilling campaign

LEINSTER NICKEL PROJECT

- Significant intersections calculated for historic drill-holes confirm massive high-grade nickel sulphide mineralisation at the Horn, including:
 - 08BWDD0015: **14.66m @ 2.19% Ni, 0.48% Cu and 0.12% Co** from 132.6m down-hole³
 - 08BWDD0039: **7m @ 2.58% Ni, 0.63% Cu and 0.14% Co** from 158.6m down-hole³
 - 08BWDD0074: **10.8m @ 2.21% Ni, 0.53% Cu and 0.12% Co** from 143.97m down-hole³
- Long-section modelling demonstrates thick massive nickel sulphide mineralisation in a fertile ultramafic host rock at relatively shallow depths

MARCH QUARTER 2020 - PLANNED ACTIVITY

- 3,000m AC drilling programme at Saints to confirm high-priority channel targets identified through an ongoing litho-geochemical review of historic drilling
- Major diamond drilling programme planned for Saints targeting main channel nickel sulphide mineralisation

¹ Refer to ASX Announcement by the Company on 14/11/2019

² Refer to ASX Announcement by the Company on 8/1/2020

³ Refer to ASX Announcement by the Company on 5/12/2019

QUARTERLY ACTIVITIES REPORT

For the period ending 31 December 2019



- Drilling programme to target strong EM anomaly at the highly prospective Valdez Target at Leinster
- Reverse Circulation (RC) drilling programmes being planned to upgrade the Horn's historic (JORC-2004) resource estimate at Leinster

CORPORATE

- Mr Edward Mason was appointed as Non-Executive Chairman, replacing Mr Glenn Whiddon who resigned as Chairman and Director

COMPANY PROJECTS – WESTERN AUSTRALIA

SAINTS NICKEL PROJECT

During the quarter Auroch completed a maiden 3,000m drilling programme at its Saints Nickel Project, located approximately 65km northwest of Kalgoorlie and 7km east of the Goldfields Highway. Results from semi-massive to massive sulphide mineralisation intersected in several of the diamond drill-holes returned extremely high-grade nickel, particularly at the Saint Patricks target area.

SNDD006 returned excellent high-grade results of **2.22m @ 4.84% Ni, 0.34% Cu and 0.15% Co⁴** from 110.68m down-hole, including **0.90m @ 6.01% Ni, 0.31% Cu and 0.16% Co** (Photo 1).



Photo 1: Massive pyrrhotite – pentlandite (nickel sulphide) – pyrite – chalcopyrite in drill-hole SNDD006 at Saint Patricks: 2.22m @ 4.84% Ni, 0.34% Cu and 0.15% Co from 110.68m down-hole.

These results followed on from the extremely high-grade result for drill-hole SNDD005 of **1.77m @ 6.72% Ni, 0.27% Cu and 0.13% Co** from 227.31m down-hole, including **0.50m @ 9.98% Ni, 0.24% Cu and 0.20% Co⁴** (Photos 2 and 3).



Photo 2 – 3: Massive pyrrhotite – pentlandite (nickel sulphide) – pyrite – chalcopyrite in drill-hole SNDD005 at Saint Patricks: 1.77m @ 6.72% Ni, 0.27% Cu and 0.13% Co from 227.31m down-hole.

⁴ Refer to ASX announcement by the Company on 14/11/2019

QUARTERLY ACTIVITIES REPORT

For the period ending 31 December 2019



Drill-hole SNDD003 targeted a DHEM target to the north of the existing nickel sulphide mineralisation at Saint Patricks and intersected **1.87m @ 1.09% Ni, 0.08% Cu and 0.04% Co** from 92.00m down-hole, including **0.47m @ 2.74% Ni, 0.26% Cu and 0.08% Co**⁴. The result added approximately 30m to the strike of known nickel sulphide mineralisation at Saint Patricks (Figure 1) and remains open to the north.

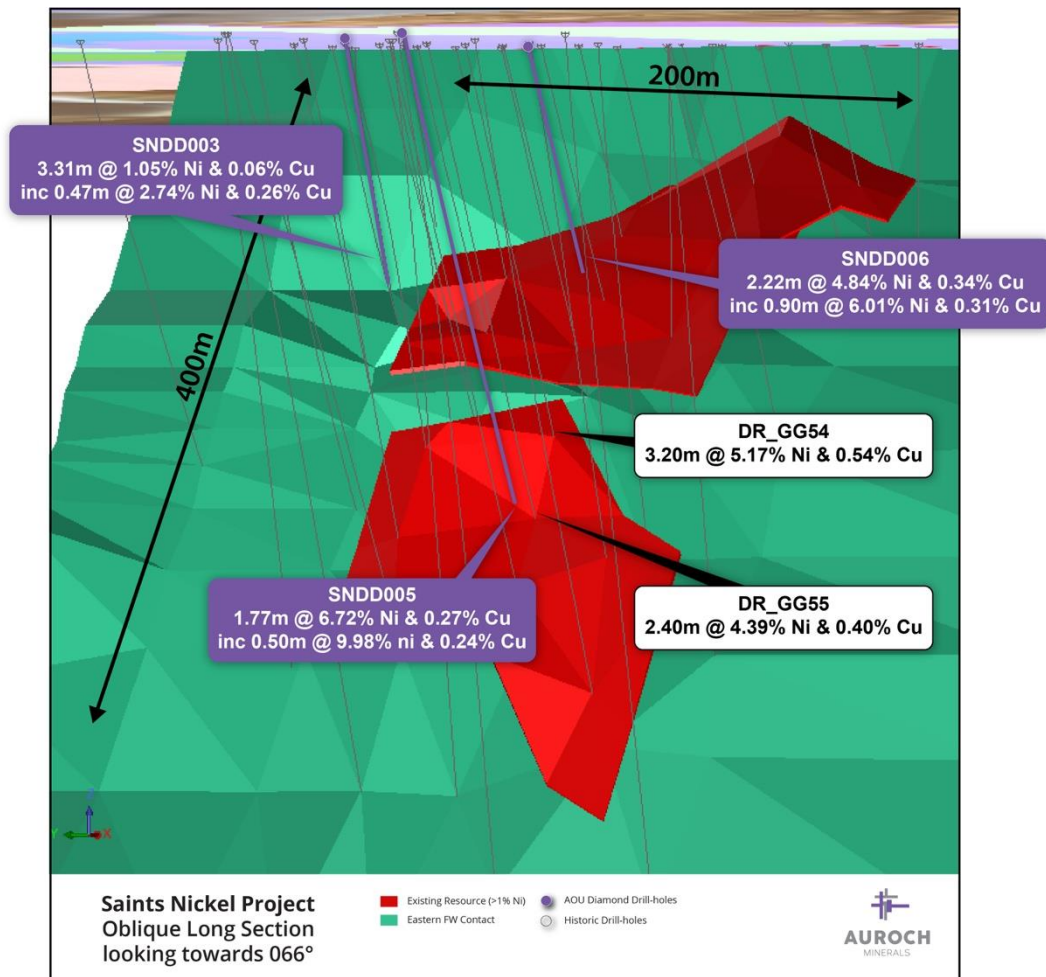


Figure 1 – Oblique long-section (looking towards 066°) of the Eastern Footwall Contact of the Saints Nickel Project showing the locations of drill-holes, SNDD005 and SNDD006 at Saint Patricks (1.0% nickel cut-off wireframes shown in dark red).

Similarly, drill-hole SNDD002 targeted a DHEM plate down-plunge of the existing nickel sulphide mineralisation at the Western Contact (Figure 2) and intersected **3.31m @ 1.05% Ni, 0.06% Cu and 0.03%**⁵.

Drill-holes SNDD007 and SNDD008, were drilled to test possible extensions to the south of the known mineralisation at Saint Andrews and the Western Contact.

SNDD007 returned encouraging results of **6.87m @ 0.77% Ni and 0.02% Cu** from 145.00m down-hole, including **1.87m @ 1.47% Ni and 0.03%**⁶. The interval contained blebby nickel sulphide mineralisation throughout, which is often observed stratigraphically above massive sulphide mineralisation, and terminated in 1.53m of core loss, and hence remains a very interesting zone that needs to be tested further (Figure 2).

Assays are pending for the remaining three drill-holes SNDD009 to SNDD011.

⁵ Refer to ASX announcement by the Company on 14/11/2019

⁶ Refer to ASX announcement by the Company 8/1/2020

QUARTERLY ACTIVITIES REPORT

For the period ending 31 December 2019

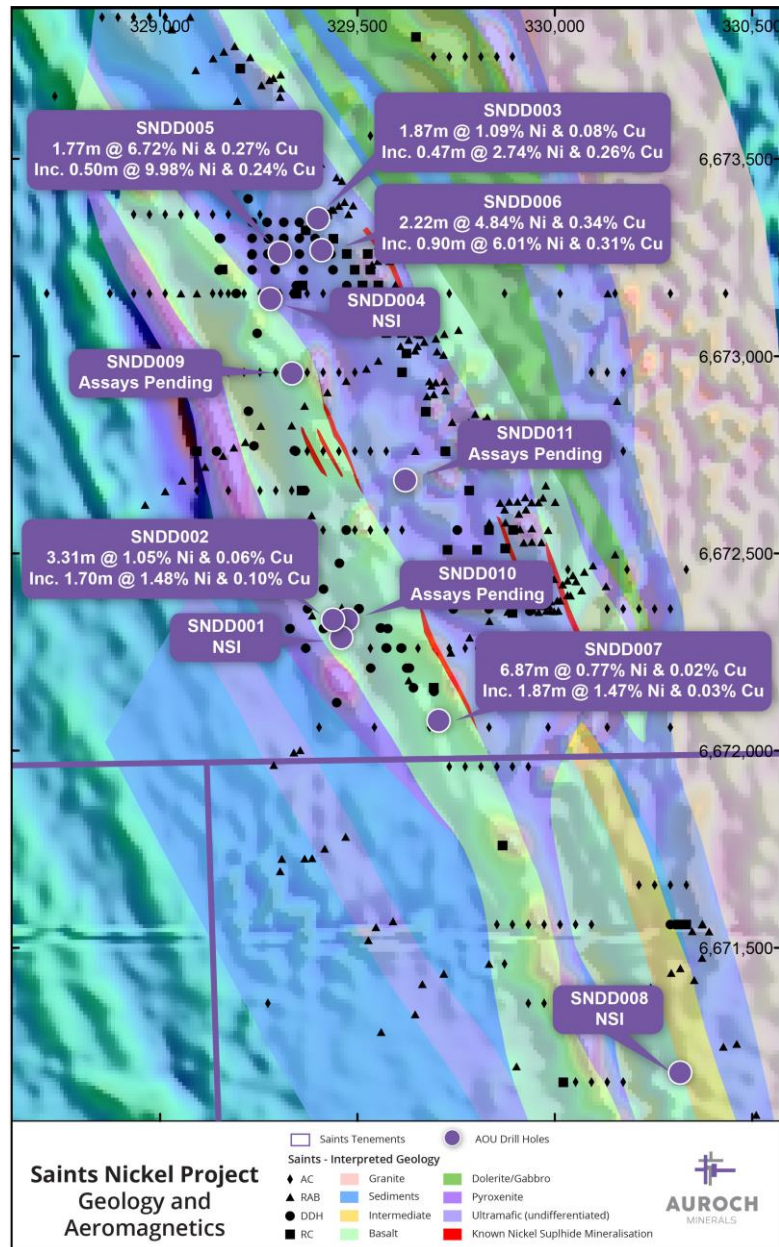


Figure 2 – Plan map of the Saints Nickel Project showing the locations of the eleven drill-holes in relation to geology and aeromagnetics (RTP-1VD)

LEINSTER NICKEL PROJECTS

During the quarter, the Company undertook a detailed review of all historic data and it confirmed thick high-grade massive nickel sulphide mineralisation at its Leinster Project, near the town of Leinster in WA.

Significant intersections ($\geq 1\%$ Ni) were calculated for all historic drill-holes at the Horn. Several intersections demonstrated thick zones of high-grade nickel sulphide mineralisation, including:

- 08BWDD0015: **14.66m @ 2.19% Ni, 0.48% Cu and 0.12% Co** from 132.6m down-hole⁷
- 08BWDD0039: **7m @ 2.58% Ni, 0.63% Cu and 0.14% Co** from 158.6m down-hole⁷
- 08BWDD0074: **10.8m @ 2.21% Ni, 0.53% Cu and 0.12% Co** from 143.97mm down-hole⁷

A review of the modelled mineralisation in long section at the Horn Prospect demonstrates that thick high-grade nickel mineralisation occurs at relatively shallow depths, and remains open along strike and down plunge (Figure 3).

⁷ Refer to ASX Announcement by the Company on 5/12/2019

QUARTERLY ACTIVITIES REPORT

For the period ending 31 December 2019

The logged geology confirms that the nickel sulphide mineralisation occurs within an ultramafic host rock and appears to have been structurally thickened.

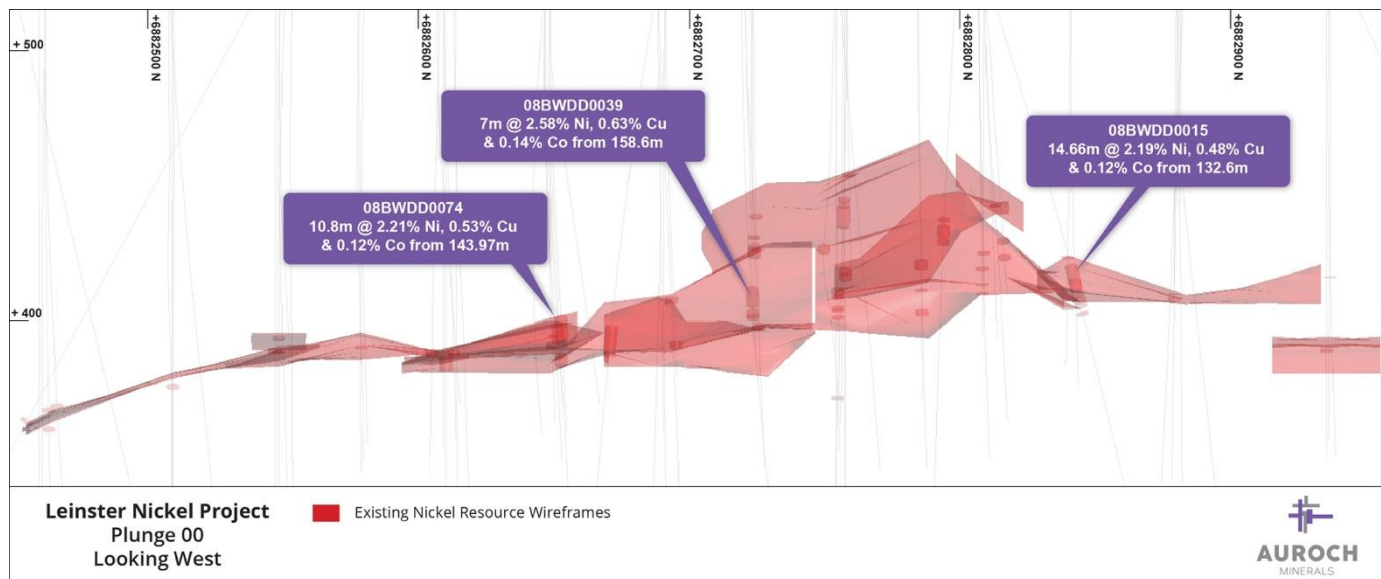


Figure 3 – Long-section of the known nickel sulphide mineralisation at the Horn Prospect within the Leinster Project

Reprocessing of the high-resolution aeromagnetic data at the Leinster Project was completed by Southern Geoscience Consultants (SGC) and it demonstrates a strong correlation between the known nickel sulphide mineralisation and magnetic highs (Figure 4).

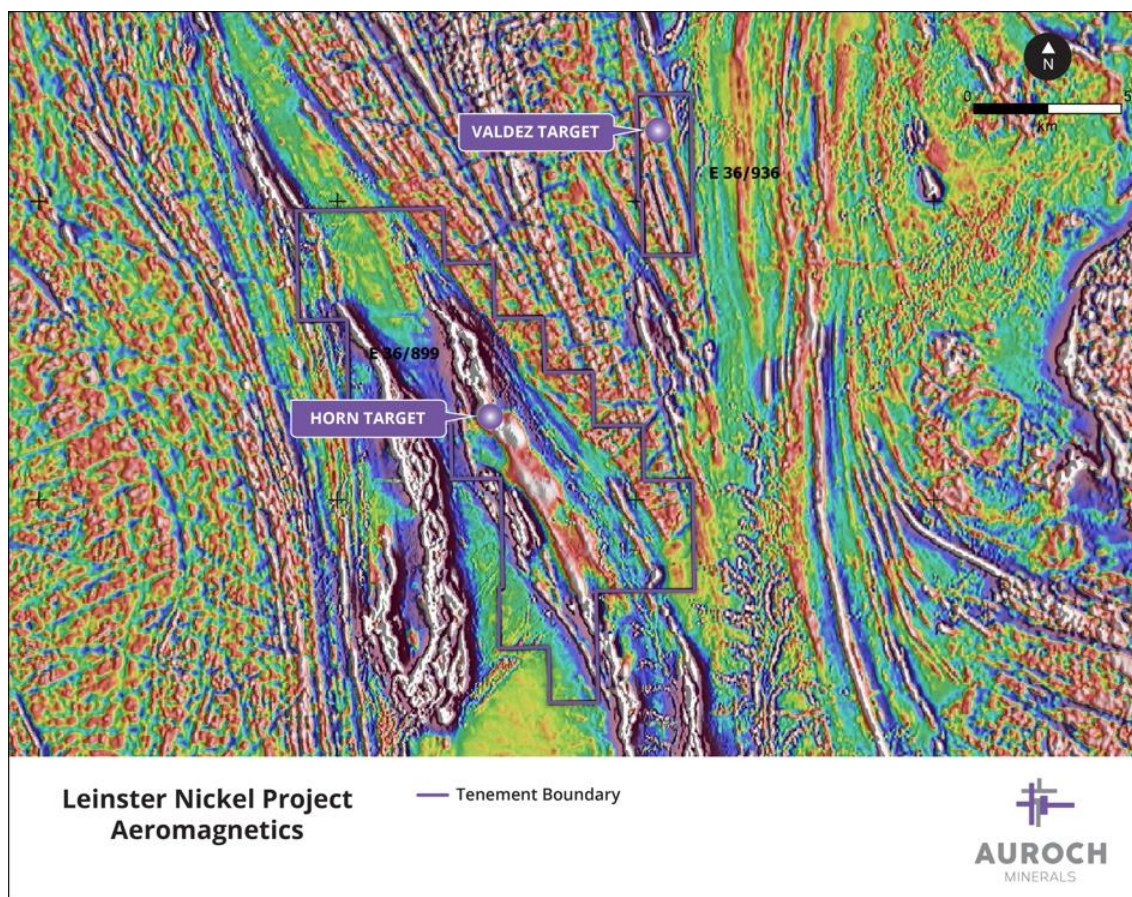


Figure 4 – Reprocessed aeromagnetics showing the location of the Horn nickel sulphide mineralisation in relation to magnetic highs (RTP 1VD East Shade Non-linear).

QUARTERLY ACTIVITIES REPORT

For the period ending 31 December 2019

SGC also commenced reprocessing and modelling of the significant amount of down-hole electromagnetic (**DHEM**) data and surface moving-loop EM (**MLEM**) data at both the Horn and Valdez target areas of the Leinster Project, in order to confirm the conductivity and location of the modelled EM plates that will be the focus of an RC drilling programme.

One of the main aims of the RC drilling is to acquire enough information to upgrade the historic JORC (2004) Mineral Resource estimate at the Horn Prospect to comply with the current JORC (2012) reporting guidelines.

Another main focus of the drilling programme will be to test the strong EM conductor at the Valdez Prospect, a modelled 1,200m long by 450m deep EM plate located within nickeliferous ultramafic lithologies that has not yet been drill-tested (Figure 5).

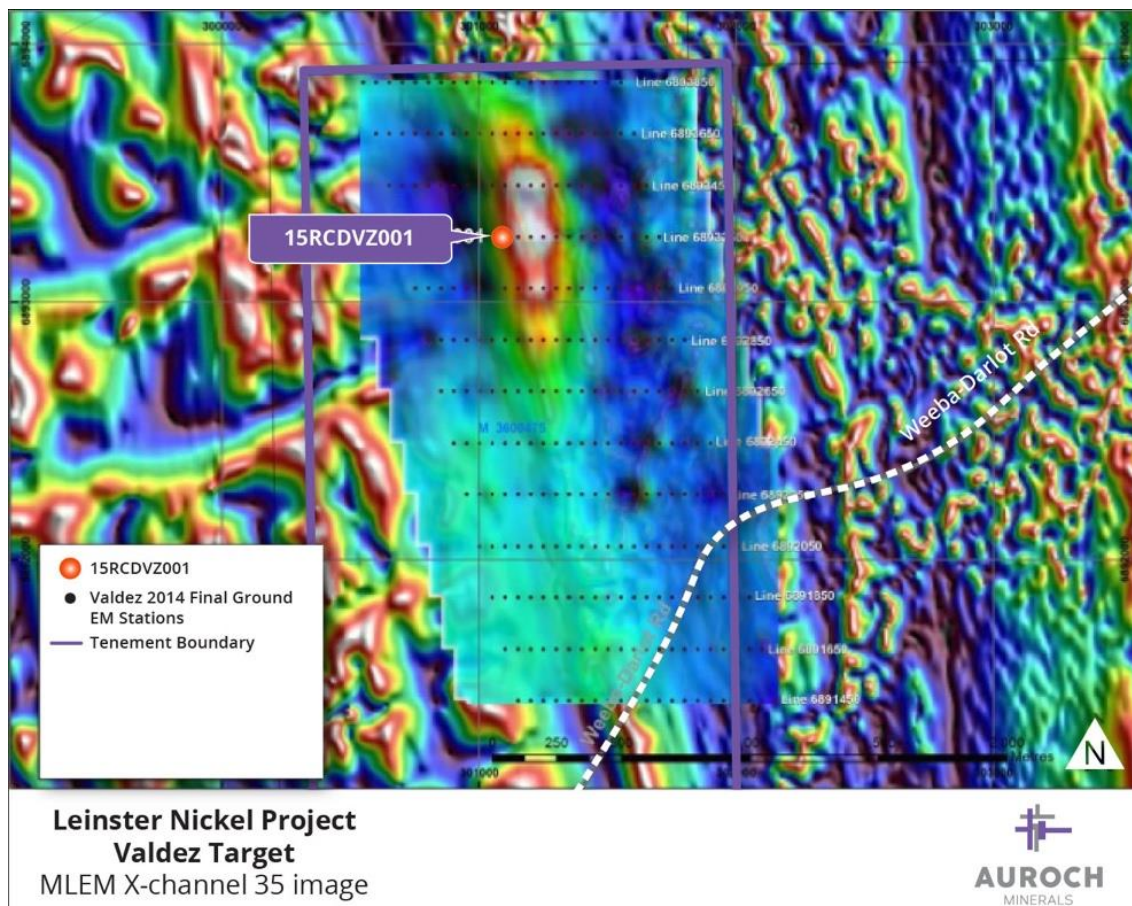


Figure 5 – 1,200 long surface EM anomaly at the Valdez Prospect

QUARTERLY ACTIVITIES REPORT

For the period ending 31 December 2019



CORPORATE ACTIVITY

APPOINTMENT OF NEW CHAIRMAN

During the quarter, Mr Edward Mason was appointed as Non-Executive Chairman of the Company. Mr Glenn Whiddon resigned as Chairman and Director of the Company.

DECEMBER 2019 QUARTER - ASX ANNOUNCEMENTS

This Quarterly Activities Report contains information extracted from ASX market announcements reported in accordance with the 2012 edition of the “Australasian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves” (“2012 JORC Code”). Further details (including 2012 JORC Code reporting tables where applicable) of exploration results referred to in this Quarterly Activities Report can be found in the following announcements lodged on the ASX:

2020 EXPLORATION PROGRAMME COMMENCES AT SAINTS	8 January 2020
HISTORICAL REVIEW HIGHLIGHTS NICKEL POTENTIAL AT LEINSTER	5 December 2019
MORE HIGH-GRADE NICKEL INTERSECTED AT SAINTS	14 November 2019
APPOINTMENT OF NEW CHAIRMAN	31 October 2019
HIGH GRADE NICKEL CONFIRMED AT SAINTS	28 October 2019
AMENDMENT - SAINTS NICKEL PROJECT DRILLING UPDATE	17 October 2019
SAINTS NICKEL PROJECT DRILLING UPDATE	14 October 2019
APPOINTMENT OF NON-EXECUTIVE DIRECTOR	9 October 2019

These announcements are available for viewing on the Company’s website **aurochminerals.com** under the *Investors* tab. Auroch confirms that it is not aware of any new information or data that materially affects the information included in any original ASX announcement.

-END-

For further information please visit **www.aurochminerals.com** or contact:

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Managing Director

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QUARTERLY ACTIVITIES REPORT

For the period ending 31 December 2019



Competent Persons Statement

The information in this report that relates to Exploration Results is based on information compiled by Mr Aidan Platel and represents an accurate representation of the available data. Mr Platel (Member of the Australian Institute of Mining and Metallurgy) is the Company's Chief Geological Officer and has sufficient experience that is relevant to the style of mineralisation and type of deposit under consideration and to the activity being undertaken 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' ("JORC Code 2012"). Mr Platel consents to the disclosure of this information in this report in the form and context in which it appears.

The information in this release that relates to Geophysical Results and Interpretations is based on information compiled by Karen Gilgallon, Principal Geophysicist at Southern Geoscience Consultants. Karen Gilgallon is a Member of the Australasian Institute of Geoscientists (AIG) and has sufficient experience which is relevant to the style of mineralisation and type of deposit under consideration and to the activity which she 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'. Karen Gilgallon consents to the inclusion in the release of the matters based on this information in the form and context in which it appears.

Forward-Looking Statements

This document may include forward-looking statements. Forward-looking statements include, but are not limited to, statements concerning Auroch Minerals Limited's planned exploration program and other statements that are not historical facts. When used in this document, the words such as "could," "plan," "estimate," "expect," "intend," "may", "potential", "should," and similar expressions are forward-looking statements. Although Auroch Minerals Limited believes that its expectations reflected in these forward-looking statements are reasonable, such statements involve risks and uncertainties and no assurance can be given that actual results will be consistent with these forward-looking statements.

QUARTERLY ACTIVITIES REPORT

For the period ending 31 December 2019



ABOUT AUROCH MINERALS

Auroch Minerals Limited is an Australian base-metals exploration company listed on the Australian Securities Exchange (ASX:AOU). The Company is focused on its two Nickel Projects: Saints and Leinster located in the prospective Norseman-Wiluna Archaean greenstone belt within the Eastern Goldfields of Western Australia. The Company also has three South Australian Projects: Arden and Bonaventura in the Adelaide Geosyncline and the Torrens East Copper Project, located on the highly prospective Stuart Shelf.

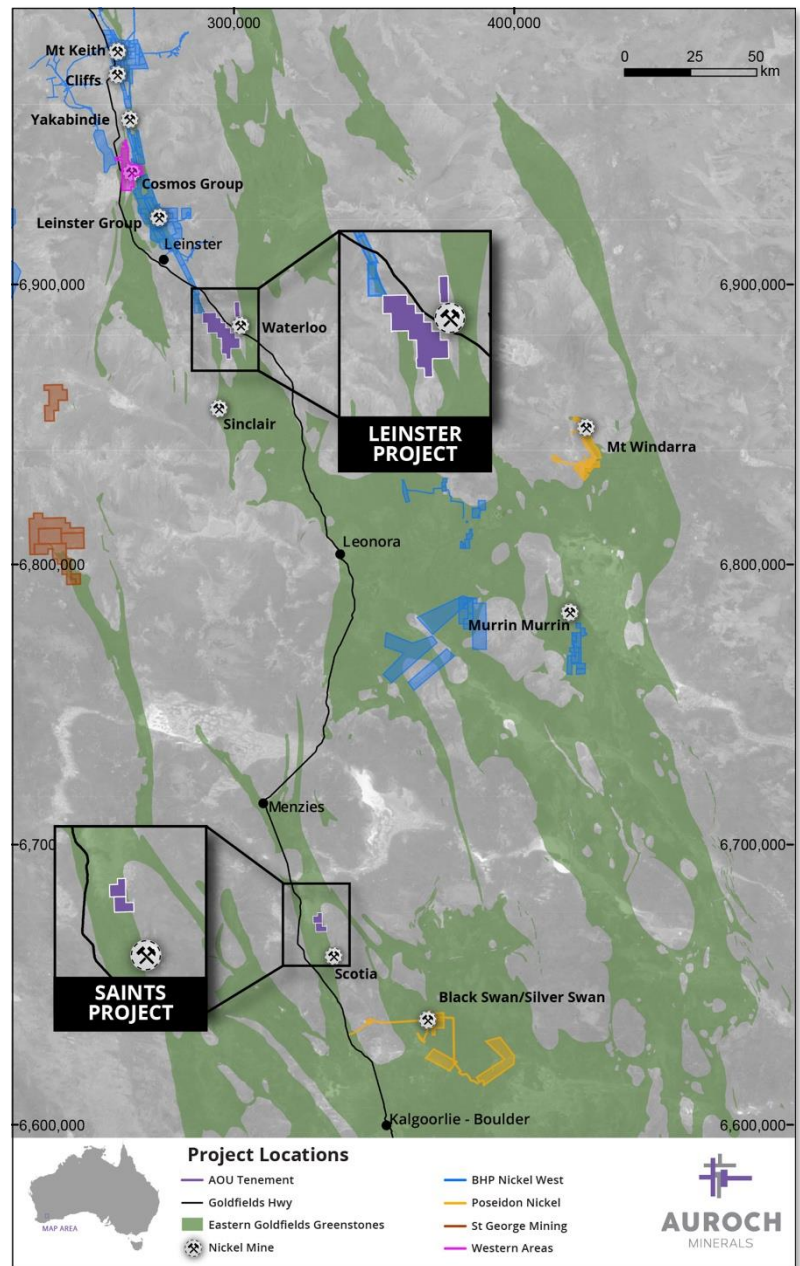
Auroch's acquisition of the Saints and Leinster nickel projects aims to unlock the latent value of high-grade nickel sulphide assets. Auroch provides a dedicated management team to aggressively explore the projects, which have historically seen limited nickel exploration. The combined portfolio of high-grade nickel sulphide assets provides a solid base for Auroch to systematically explore high-priority targets.

SAINTS PROJECT

The Saints Nickel Project comprises two mining leases for 20km, approximately 65km northwest of Kalgoorlie and 7km east of the Goldfields Highway. The project contains an existing JORC (2012) compliant resource of 1.05Mt @ 2.0% Ni, 0.2% Cu and 0.06% Co for 21,400 tonnes of contained nickel, 1,600 tonnes of contained copper and 600 tonnes of contained cobalt.

LEINSTER PROJECT

Located approximately 40km southeast of the township of Leinster and approximately 60km north-northwest of Leonora in Western Australia, the Leinster Nickel Project covers approximately 112km² of the nickel-rich Norseman-Wiluna Greenstone Belt within the Eastern Goldfields of the Yilgarn Craton. The project contains a historic JORC (2004) compliant Mineral Resource⁸ and significant exploration potential.



QUARTERLY ACTIVITIES REPORT

For the period ending 31 December 2019



APPENDIX 1 - INTEREST IN MINING TENEMENTS AND CAPITAL STRUCTURE

Interest in Mining Tenements

Australia

Tenement	Tenement ID	Status	Interest at beginning of quarter	Interest acquired or disposed	Interest at end of quarter
Arden	EL 5821	Granted	90%	-	90%
Arden North	EL 6217	Granted	100%	-	100%
Bonaventura	EL 5973	Granted	100%	-	100%
Bonaventura Extension	EL 6252	Granted	100%	-	100%
Torrens East Copper Project	ELA 00159	Pending	-	-	-
Torrens East Copper Project	EL 6331	Granted	-	-	100%
Saints	M29/245	Granted	-	-	100%
Saints	M29/246	Granted	-	-	100%
Leinster	E36/899	Granted	-	-	100%
Valdez	E36/936	Granted	-	-	100%

Capital Structure

Securities on Issue as at 31 January 2020:

- 132,920,206 fully paid ordinary shares (quoted)
- 35,917,598 options exercisable at \$0.10 on or before 30/11/2021
- 3,250,000 options exercisable at \$0.16 on or before 03/09/2023
- 3,500,000 options exercisable at \$0.20 on or before 03/09/2023
- 5,550,000 Performance Rights
- 12,000,000 Performance Shares