

Lauren Swann

MAIG MAusIMM



Summary

Key projects and commodities:

- High-grade Orogenic Gold (Au-Sb) – Fosterville/Costerfield, VIC
- Intrusion-related Gold – Dargues, NSW (Aurelia)
- Lithium (LCT-pegmatite) – Finniss, NT (Core Lithium)
- VMS Copper-Gold-Silver – Tritton, NSW (Aeris)

Experience:

A Geoscientist with almost a decade of experience in the resource industry, inclusive of underground mine geology, resource definition drilling and regional and near-mine exploration, in structurally complex turbidite- and intrusive-related gold and copper deposits within the Delamerian and Lachlan Fold Belt of Victoria and New South Wales. Demonstrated expertise in geological modelling and interpretation, including the structural and lithological models for BP33 (Core Lithium) and key prospects at Fosterville (Swan Zone, Robins Hill, and Russels Reef), which contributed significantly to understanding ore controls and supported successful mine development.

Core expertise:

- Exploration and resource definition drill program management (Auger, RAB, RC, DDH)
- Geological modelling, logging and mapping of structurally complex deposits (Leapfrog, MapInfo, QGIS)
- Communication and training, building team capability
- Confident safety leader

Education

2016

Bachelor of Science with Honours (First Class)

Structural geology and geophysics
Monash University

2023

Master of Teaching

Deakin University

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Professional Experience

Swann Geoscience | August 2025 – Current

Contract Geologist (self-employed)

Currently working as a contract geologist at Costerfield Mine with Alkane. Nested within their exploration group I am supporting the team in core shed management, modelling and graduate geologist development.

Redlynch State College, Queensland DoE | January 2024 – August 2025

General Science and Senior Aquatic Practices Teacher

Finniss Lithium Operation, Core Lithium Ltd. | August 2023 – December 2023

Exploration Geologist

Contracting to Core Lithium I supported an extensive diamond, RC and RAB exploration program. I also completed a stratigraphic and structural interpretation of the deposit BP33 which informed the creation of a 3D model. The deposit is a Sn-Ta-Li pegmatite deposit hosted within the Paleoproterozoic Finniss River Group.

Kalkaroo Exploration Prospect, OZ Minerals, SA | November 2022 – May 2023

Project Geologist

Contracting to OZ Minerals, I assisted the team in a feasibility study at a remote camp NW of Broken Hill (Kalkaroo). As site project geologist I managed two diamond drill rigs, logging and sampling for metallurgical and geotechnical testing. The deposit is a stratabound and breccia-hosted copper-cobalt-gold deposit.

Dargues Gold Mine, Aurelia Metals, NSW | April 2022 – November 2022

Project Exploration Geologist

Reporting to the Group Exploration Manager and working within a small technical services team, I managed the near-mine surface and underground exploration program, consisting of two surface diamond rigs with drilling targets I generated from geophysical and geochemical anomalies and two underground drill rigs completing extensive resource extension programs. The deposit is a mesothermal/intrusion-related gold deposit, within narrow phyllic/potassic alteration zones containing clotty pyrite-chalcopyrite clusters with micron-sized gold particles.

Tritton Operations, Aeris Resources, NSW | August 2021 – April 2022

Project Exploration Geologist

I conducted a regional mapping program of newly acquired exploration leases on remote cattle stations. Working with consultant Rod Boucher, my role was to identify favourable structural pathways and stratigraphy for further geochemical sampling. I also planned and managed, including government and environmental approvals, landholder engagement, access agreements and safety systems (risk assessment, JSAE, procedures) a large geochemical auger sampling program. Hosted within the Girilambone Group of the Lachlan Fold Belt the deposit is a VMS copper deposit with epigenetic overprint.

Fosterville Gold Mine, Agnico Eagle, VIC | 2016 – 2021

Orogenic Gold in the Bendigo Zone of the Lachlan Fold Belt, structurally controlled narrow-vein gold and disseminated sulphides hosted in Ordovician turbidites.

Regional Exploration Geologist | May 2021 – August 2021

Contracting to the regional exploration team at Agnico Eagle I created a stratigraphic model informed from geophysics and sparse drilling of the near mine exploration prospect Russell's Reef, including the creation of a 3D Leap Frog Model, to inform targeting.

Project Geologist (Core Shed) | July 2019 – April 2020

I improved the quality of geological data being collected by core shed staff, including managing contractors, graduate geologists, and field staff, setting up training modules on core processing, geophysical data collection, geotechnical and structural logging and the real-time updating of 3D geological models.

Mine Geologist (Underground and Resource Definition) | January 2018 – June 2019

I managed development headings and stopes (conventional long hole mining method) as required. I also developed and managed drilling programs for infill, resource-extension and near-mine exploration.

Graduate Exploration Geologist | August 2016 – January 2018

I led the geological interpretation of a near-mine exploration prospect Robbin's Hill. I identified all stratigraphic units and cross-cutting mineralised faults and created 3D surfaces to inform prediction of fault placements as drilling moved North.

Projects

Weekend Geology | 2014 – current

Weekend Geology is a website I created ten years ago with an interest in improving curiosity and visibility in Earth Sciences and in the general community. The website is viewed by over 1300 people a month and is used by universities, schools and interest groups.

Australian Geoparks Network | 2021 - current

Board Member (Victorian Representative).

AIG Education Strategy Consultative Committee | February 2025

Stakeholder representing secondary education engagement in workshops geared towards developing an actionable plan for the AIG to support and grow geoscience education in Australia.

International Geological Congress 2028 bid, Melbourne | 2024

Co-chair (with Phil Gilmore) of Field Trips for bid to host the IGC. Involved researching and collating numerous field trips at various scales across Australia and the South Pacific.

Lead Loddon Murray Community Leadership Program | Feb 2018 – June 2019

A State Government sponsored leadership program with participants of diverse experiences including farming, science, health care and journalism, from the Loddon-Murray Region. The program developed my leadership and presentation skills, community liaison, understanding of cultural sensitivity and traditional owners, and how small regional communities operate, visiting small businesses, community centres and council/government in numerous regional towns in Victoria as well as Canberra, ACT.

Australian Institute of Geoscientists | 2018 - 2020

Victorian Treasurer and Geotourism Committee Member, responsible for organising monthly GPIC Talks in Bendigo, sponsors for annual Round-Up Conference and assisting in 'Geology of Gold' VIEPS course.