

LISTING OF PUBLICATIONS

Refereed journal publications

- Arne, D., 2024, The use of bulk cyanide leach in gold assays of drill core and rock sample. Explore No. 204, pp. 1-12, <https://doi.org/10.70499/QRGX6581>
- Smee, B.W., Bloom, L., Arne, D., Heberlein, D., 2024. Practical applications of quality assurance and quality control in mineral exploration, resource estimation and mining programmes: a review of recommended international practices. Geochemistry: Exploration, Environment, Analysis, <https://doi.org/10.1144/geochem2023-046>
- Arne, D., 2021. Integration of geochemical and mineralogical data: An example from the central Victorian goldfields, Australia. Explore No. 191, pp. 1-11, <https://doi.org/10.70499/WQGX5423>
- Grunsky, E.C. and Arne, D., 2020, Mineral-resource prediction using advanced data analytics and machine learning of the QUEST-South stream-sediment geochemical data, southwestern British Columbia, Canada. Geochemistry: Exploration Environment Analysis, <https://doi.org/10.1144/geochem2020-054>
- Arne, D., Mackie, R. and Pennimpede, C., 2018, Catchment Analysis of Re-analyzed Regional Stream Sediment Geochemical Data from the Yukon. Explore No. 179, pp. 1-13, <https://doi.org/10.70499/LAST2508>
- Arne, D.C., House, E., Pontual, S. and Huntington, J., 2016, Hyperspectral interpretation of selected drill cores from orogenic gold deposits in central Victoria, Australia, Australian Journal of Earth Sciences, vol. 63, pp. 1003-1025.
- Bierlein, F.P., Reynolds, N., Arne, D., Bargmann, C., McKeag, S., Bullen, W., Al-Athbah, McKnight, S. and Mass, R., 2016, Petrogenesis of a Neoproterozoic magmatic arc hosting porphyry Cu-Au mineralization at Jebel Ohier in the Gebeit Terrane, NE Sudan, Ore Geology Reviews, vol. 79, pp. 133-154.
- Arne, D. Mackie, R. & Jones, S., 2014, The use of property-scale portable x-ray fluorescence data in gold exploration: advantages and disadvantages. Geochemistry: Exploration Environment Analysis, vol. 14, pp. 233-244.
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- Symons, D.T.A. and Arne, D.A., 2005, Paleomagnetic constraints on Zn-Pb ore genesis of the Pillara Mine, Lennard Shelf, Western Australia. Mineralium Deposita, vol. 39, pp. 944-959.
- Bierlein, F.P., Arne, D.C. and Cartwright, I., 2004, Stable isotopes (C, O, S) systematics in alteration haloes associated with orogenic gold mineralisation in the Victorian Gold Province, SE Australia. Geochemistry: Exploration, Environment, Analysis, 4, 191-212.
- Symons, D.T.A. and Arne, D.C., 2003, Paleomagnetic dating of mineralization in the Kapok MVT deposit, Lennard Shelf, Western Australia. Journal of Geochemical Exploration, vol. 78-79, pp. 267-272.
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Contributions to Book chapters

- Phillips, N., Hughes, M., Arne, D., Carey, S., Bierlein, F., Carey, S.P., Jackson, T., and Willman, C., Gold. 2003, Geology of Victoria. 2nd Edition, pp. 377-432.

Refereed conference publications

- Arne, D., 2018, Practical application of portable XRF in mineral exploration, Advances in X-ray Analysis, Proceedings of the 2017 Denver X-ray Conference, Vol. 61, pp. 94-105.
- Mackie, R.A. and Arne, D.C., 2017, A new simplified multivariate approach to defining geochemical exploration targets from regional stream sediment data, Proceedings of Exploration 17: Sixth Decennial International Conference on Mineral Exploration” edited by V. Tschirhart and M.D. Thomas, 2017, p. 863–866.
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Refereed Reports

- Grunsky, E.C. and Arne, D.C., 2020, Mineral-Resource Prediction Using Advanced Data Analytics and Machine Learning of the QUEST-South Stream-sediment Geochemical Data, Southwestern British Columbia (Parts of NTS 082, 092), Geoscience BC Report 2020-06.

Unrefereed contributions

- Arne, D.C., Mackie, R., Pennimpede, C., Grunsky, E. and Bodnar, M., 2018, Integrated assessment of regional stream-sediment geochemistry for metallic deposits in northwestern British Columbia (parts of NTS 093, 094, 103, 104). Geoscience BC Report 2018-14, 96 p.
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