

Name: Amanda N. Fishbin

Position: Project Geoscientist, GIS/Geology

*Technical Expertise: Computer-Based Mapping
Geology*



AFishbin@geologica.net

Mobile/WhatsApp: +1-516-660-0006

Office: +1-415-691-7628

EXPERIENCE SUMMARY

Amanda Fishbin joined Geologica Geothermal Group, Inc. in 2016, and specializes in ArcGIS computer-based mapping and database management, geochemical evaluation, and stratigraphic and lithologic interpretation. She has provided assistance with reservoir geochemical fluid data collection and well testing. She has conducted field work for geothermal projects in the western United States, as well as provided key interpretation and computer-based mapping for projects in the United States, Indonesia, Philippines, Eastern Africa, Turkey and Central America.

EXPERTISE

ArcGIS Computer-Based Mapping
Analysis of geothermal fluid and steam chemistry
Stratigraphic and lithologic interpretation
WATCH computer-based chemical modeling
Geothermal fluid collection
Groundwater sampling

EDUCATION

Middlebury College, Middlebury, VT, B.A. in Geology, Minor in Environmental Studies, Cum Laude, 2016

Middlebury College/Vermont Geological Survey, Middlebury, VT, Independent Groundwater Study, Professor's Assistant, summer 2015

AWARDS AND CERTIFICATIONS

University of Nevada National Geothermal Academy, Reno, NV, Certificate in Geothermal Resource Decision-Making

Middlebury College, Middlebury, VT, John M. White '52 Memorial Award, recognizing outstanding work in geology as well as contributions to the Geology Department, 2016

PUBLICATIONS

Hinz, N., Cumming, W., Matson, G., Haizlip, J., Sussman, D., Fercho, S., **Fishbin, A.**, Sanjaya, D., Sagala, B., and Tang, Y., 2020, Conceptual Model Update of the Sokoria Geothermal Field, Flores, Indonesia, World Geothermal Congress 2020, Reykjavik, Iceland, 12 p. (in press)

REPRESENTATIVE PROJECT EXPERIENCE

Selected Geothermal Resource Development Projects (listed by primary client with prime contractor in parenthesis if Geologica was a subcontractor)

Energy Development Corporation

- Provided an independent review of the existing conceptual model, including geochemistry, production and injection strategies, and resource characteristics. Additionally, provided GIS mapping of key field parameters at **Leyte, Philippines**.

U.S. Navy Geothermal Program Offices

- Annual geochemical and production data evaluation to assess resource characteristics related to production as part of the US Navy's monitoring of the **Coso Geothermal Resource, United States** to support reservoir management, including GIS mapping of key field parameters and spatial interpolation of various chemical parameters.

Spring Born, Inc. (Veizades & Associates)

- Pre-feasibility resource assessment of the potential geothermal resource at **Waunita Hot Springs, Colorado, United States**, including a desktop review and evaluation of regional and reservoir geochemistry, structural and lithologic data, and development of cross-sections and a preliminary conceptual model. Additionally, provided GIS mapping of key structural, geologic and locational data.

Sorik Marapi Geothermal Power

- Provided regional and reservoir geochemical evaluation, GIS mapping for ongoing well testing and well targeting support, evaluation of structural and lithologic data, and well test analyses for various wells at the **Sorik Marapi Geothermal Field, Sumatra, Indonesia**.

PT Sokoria Geothermal Indonesia

- Provided reservoir assessment for geothermal development, including GIS mapping, for ongoing well testing and well targeting support, and contributed to the development of a conceptual model at the **Sokoria Geothermal Field, Flores, Indonesia**.

Electricite de Djibouti

- Provided reservoir assessment for geothermal development, post-processing geospatial data, and GIS mapping for an exploration drilling program in the **Fiale Caldera, Assal Rift, Djibouti**.

CalEnergy Operating Corporation

- Evaluation of reservoir geochemistry, GIS mapping of key field parameters and spatial interpolation of various chemical parameters for the **Salton Sea Geothermal Field, California, United States**. In addition, provide ongoing offsite geoscience support and comprehensive database management.



INPEX Corporation

- Geochemical reservoir evaluation and GIS mapping of key field parameters for a technical due diligence assessment of **Rajabasa, Indonesia**.
- Geothermal due diligence resource evaluation for multiple geothermal prospects and fields, in the **Western United States**.

LS Power

- Geothermal due diligence resource evaluation for multiple geothermal prospects and fields, in the **Western United States**.

PacifiCorps

- Collected fluid and gas samples during flow tests of geothermal wells, and provided reservoir assessment for geothermal contributions at **Roosevelt Hot Springs (Blundell Geothermal Field), Utah, United States**. Additionally, provided geochemical data evaluation to assist reservoir management.

Open Mountain Energy

- Geochemical and geothermal resource evaluation for multiple geothermal prospects and fields in the **Western United States**.
- Collected fluid and gas samples during flow tests of geothermal wells, and analysis of fluid, gas and isotope data for geothermal contributions.

EG Renewable Energy

- Provided reservoir assessment, conceptual modelling, and GIS mapping for geothermal prospects in **Karacasu, Aydın Region, Western Turkey**.

Fervo Energy Company

- Data compilation for a comprehensive well database, GIS mapping and database management for key features, and creation of data input sheets for a 3D Leapfrog temperature model for various geothermal prospects in **Nevada, United States**.

Confidential Client

- Desktop study providing resource probability analysis, GIS mapping of resource probability and land usage, and qualitative analysis of resource viability related to community factors for **Maui and the Big Island, Hawaii**.

OrkaTerra

- Evaluation of regional and reservoir geochemistry and GIS mapping of key resource parameters in **Magadi, Kenya**.

Sis Enerji



- Evaluation of reservoir geochemistry of the moderate temperature geothermal fields in **Sogukyurt and Tepekoy, Turkey.**

Arus Energy Ltd (GreenMax Capital Advisors)

- Evaluation of reservoir geochemistry and GIS mapping of key field parameters for the **Arus Geothermal Prospect, Kenya.**

USTDA (Power Engineers)

- GIS mapping of key field parameters for **El Ceibillo, Guatemala.**

Confidential Client

- Compilation and management of a world-wide comprehensive database of corrosive issues at various geothermal facilities, with type and potential causes for corrosion.

