

# MICHAEL CAFFERY

BSc(Geology)(Hons) / GradDipEcon

10<sup>th</sup> October, 2021

## ABOUT MYSELF

I am a geologist and have worked in technical roles in the mining, oil and gas, agricultural and geotechnical engineering industries. I am currently looking for an entry position as a resource economist after recently completing a graduate diploma in economics.

I work well in teams and enjoy a challenge which has helped me to succeed, for example, in the offshore drilling environment. I am a fast learner and practically minded, which has helped me quickly understand technical concepts in different industries. I have performed well on projects which require research and data interpretation, particularly during my work as an oil and gas geologist.

### DETAILS

-  41 Pacific Tce,  
Coolum Beach, QLD, 4573
-  mcaffery@outlook.com
-  0414 882 927
-  Australian Citizen

### EDUCATION

- B.SCIENCE IN GEOLOGY (HONS)**  
University of Queensland  
Jan 2008 – July 2012
- GRAD DIPLOMA IN ECONOMICS**  
University of New England (External)  
Dec 2017 – Feb 2019

### LICENCES

- Car Licence (Class C)
- Forklift Licence (LF)
- White Card Qld  
(Construction Induction)

## PROFESSIONAL EXPERIENCE

### ENGINEERING GEOLOGIST / TECHNICIAN

CORE CONSULTANTS, MAROOCHYDORE, QLD | May 2021 – PRESENT (5 mos)

- I currently work for the Sunshine Coast's largest geotechnical and environmental consultancy.
- I conduct geotechnical site investigations across numerous projects including highway upgrades, residential and commercial developments, contaminated lands and large infrastructure projects across QLD and NSW.
- Working in a small team I use a combination of mapping, drilling, testing and geophysical surveying techniques to determine the capacity for underlying geological units to be built upon.
- I am the team lead for Geographic Information System (GIS) solutions and use Python coding to improve the flow of data from the field to reporting.
- I use geological mapping, modelling and reporting software including CAD, QGIS, GINT & Leapfrog.
- As a team we provide clients with detailed geological reports.
- I regularly update safe work method statements and uphold occupational health, safety and environment (OHS&E) policies on all client worksites.

### MINERAL EXPLORATION FIELD TECHNICIAN

GILMORE METALS, JUNEE, NSW | Apr 2020 – Jan 2021 (10 mos)

- I worked with a small exploration team conducting green field copper-gold exploration near Gundagai, NSW.
- The project was situated on highly productive agricultural land, requiring a very high level of landholder engagement.
- Processed and logged diamond core and rock chips from multiple rigs.
- Organised geophysical crews to conduct surveys.
- Conducted soil geochemistry & rock chip sampling.
- Oversaw drill sight preparation & rehabilitation.
- Upheld company OHS&E policies with contractors and conducted safety meetings.

## PROFESSIONAL EXPERIENCE (Cont)

### AGRONOMIST ASSISTANT

CROP MANAGEMENT SERVICES, DALBY, QLD | Jun 2017- Feb 2020 (2 yrs 9 mos)

- I assisted in managing my family's agronomy business on the Darling Downs.
- As an agronomist assistant I collected data and provided scientific advice to farmers for the management of broadacre crops (legume, grain and cotton).
- We aimed to maximise sustainable production whilst minimising costs and environmental impact.
- Advice included, but not limited to, crop rotations, planting requirements, soil moisture & irrigation management, fertiliser programs, weed and insect identification/control, defoliation and harvest timing.

### EXTENDED OVERLAND TRAVEL – WEST & SOUTHERN AFRICA | Jun 2016 – Jun 2017 (1 yr)

- I travelled overland by car from London to Cape Town, down the West Coast of Africa, spanning 28 countries over 12 months. Requiring a great deal of planning and logistics.
- A highly rewarding expedition that allowed me to experience the vast array of people, cultures, and nature that West & Southern Africa have to offer.

SCHLUMBERGER, OIL & GAS SERVICES, PERTH, WA

### OIL & GAS GEOLOGIST (GEOSTEERING) | Oct 2014 – May 2016 (1 yr 7 mos)

- I was a member of a small team of geologists who predominantly operated out of client offices in Perth and Brisbane, consulting on reservoir drilling operations.
- Our team utilised the latest in oil & gas directional drilling technology to geosteer and optimally place wellbores within the reservoir.
- During my final six months with the team, I led gas well geosteering operations for two major Queensland coal seam gas producers.
- Geosteering operations required a high degree of geological data interpretation and high proficiency using the reservoir modelling software Petrel.
- Delivered a high level of client engagement and communication often under high pressure drilling operations.

### FIELD ENGINEER | Feb 2013 – Oct 2014 (1 yr 9 mos)

- Provided specialist drilling support to oil and gas producers on their offshore drilling rigs, predominantly located off the Northwest Shelf, Western Australia.
- I worked for a variety of producers on their exploration and development projects.
- Whilst offshore I was responsible for the operation of downhole logging and measurement-while-drilling tools. These tools recorded and relayed in real time reservoir characterization and drilling mechanics data.
- I was responsible for capturing and distributing this critical data.
- This role required liaising with direction drillers, client engineers, mud loggers and wellsite geologists.
- I participated in Schlumberger's intensive training courses located in overseas training centers.
- I strictly followed all OHS&E policies and was proactive in hazard identification during high-risk offshore drilling operations.

### HYDROGEOLOGIST INTERN

KLOHN CRIPPEN BERGER, BRISBANE, QLD | Jul 2010 – Dec 2010 – INTERNSHIP (6 mos)

- Assisted in modeling and data management for hydrogeological projects in the mining industry, whilst completing my undergraduate degree.

### MINERAL EXPLORATION GEOLOGIST INTERN

NQM, PAJINGO GOLD MINE, CHARTERS TOWERS, QLD | Dec 2009 – Feb 2010 – INTERNSHIP (3 mos)

- Conducted above ground near mine exploration. Tasks including RC chip and diamond core processing and sampling, core logging, rock chip sampling, and database management.
- During my final month I worked with the underground geology team. I conducted sampling and management of production headings, underground backs mapping, & production reporting.

## HONOURS THESIS

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**UNDERGRADUATE HONOURS THESIS** | University of Queensland | 2011 – 2012 (1 year)

Title: Isotopic and water chemistry analysis of groundwater from the springbok sandstone and macalister coal seams, Surat Basin, Queensland

- Collected groundwater chemistry samples (stable isotopes of water, radiocarbon age dating and major ions) to help determine groundwater connectivity between geological units in the Surat Basin, Qld.

## OTHER ATTAINMENTS

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CFA Level 1 (Passed), CFA Institute,  
December 2018

## STRENGTHS

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Hard worker, attention to detail, good initiative,  
innovative, team player, excellent communicator,  
independent and self-directed learner

## REFERENCES PROVIDED ON REQUEST

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