



SGM ENVIRONMENTAL
lmcdonald@sgmenvironmental.com
P: +61 7 4952 5614
sgmenvironmental.com

Curriculum Vitae, Mr Lachlan McDonald

PROFILE



Lachlan is an environmental scientist dedicated to supporting best practice environmental management. He is experienced in the fields of soil science, geographical information systems (GIS), erosion and sediment control and mine closure.

He has a master of environmental science and management and is continuously developing his knowledge and experience in environmental science. He regularly works with legislation, GIS and Queensland mine rehabilitation and closure planning legislation.

Lachlan is confident when taking on difficult projects (positivity), and committed to building rapport with clients and colleagues to create enduring value (trust). He actively explores alternative solutions (innovation) and supports effective risk management (safety).

QUALIFICATIONS AND MEMBERSHIPS

Bachelor of Science in Geographical Sciences (BSc), University of Queensland, 2019

Graduate Certificate in Environmental Management (GCEnvMan), University of Queensland, 2020

Master of Environmental Science and Management (MESCM), University of New England, 2022

Member of the Central Queensland Mining Rehabilitation Group (CQMRG)

Certified Professional in Erosion and Sediment Control (CPESC) Associate, 2023

CAREER

Graduate Environmental Scientist, SGM Environmental, 2022–present



Representative Experience

MINE CLOSURE

- Burton Coal Mine, progressive closure and rehabilitation plan, Qld (Peabody (Burton Coal) Pty Limited)
- Carborough Downs Coal Mine, progressive closure and rehabilitation plan, Qld (Fitzroy Australia Resources)
- Isaac Plains Coal Mine, progressive closure and rehabilitation plan, Qld (Stanmore Resources Pty Limited)
- Johnson Extended Project, progressive closure and rehabilitation plan, Qld (Peabody Energy Australia PCI (C&M Management) Pty Limited)

ENVIRONMENTAL MANAGEMENT AND PLANNING

- Broadlea North Coal Mine, erosion and sediment control, weed and rehabilitation management plan, Qld (Fitzroy (CQ) Pty Limited)
- Isaac Downs Coal Mine, environmental protection and biodiversity conservation (EPBC) audit, Qld (Stanmore IP South Pty Limited)

EROSION AND SEDIMENT CONTROL

- Mary River Active Transport Bridge, conceptual erosion and sediment control plan (CESCP) (AECOM Australia Pty Limited)

MINE CLOSURE

- Coppabella-Moorvale Joint Venture (CMJV), review and gap analysis including rehabilitation certification, Qld (Peabody Energy Australia PCI (C&M Management) Pty Limited)
- Millennium Coal Mine, baseline soil and vegetation (biomass) monitoring, Qld (M Mining Pty Limited)
- Millennium Coal Mine, grazing management plan (GMP), Qld (M Mining Pty Limited)

SOIL SCIENCE

- Millennium Coal Mine, contaminated land assessment, Qld (M Mining Pty Limited)
- Millennium Coal Mine, topsoil inventory assessment and analysis of topsoil quality, Qld (M Mining Pty Limited)

