



## CURRICULUM VITAE – JEFF WOOD

### ***2008 – Present, Principal Geologist, Sigra Pty Ltd***

Geological input to projects as required:

- Minyango mine exploration,
- Cut 3 and 4 landslide stabilization measures, South West Corridor, Queensland.
- Longwall mining investigations for Kestrel, Moranbah North, Grosvenor, Belvedere, and Syferfontein mines.
- Geotechnical review of Snowy 2.0 project
- ACARP research projects into outbursting, rockbursting and rock properties
- Development of Sigra's exploration tools.

### ***2003 – 2008 Principal Geoscientist, BHP Billiton Illawarra Coal, New South Wales***

Responsibilities included:

- The cost effective evaluation of longwall coal extraction on natural surface features, including streams and upland swamps.
- Monitoring of groundwater and surface water systems was achieved by manual, data logging and chemical techniques. Techniques used included surface mapping, GIS based interpretation and data storage, prediction, borehole instrumentation, surface water flow and quality monitoring, remediation and prevention management. Geomorphological evaluation techniques were introduced.

Duties included liaison with consultants, government representatives and local stakeholders.

### ***1993 – 2003, Geological Services Manager, BHP Illawarra Coal, New South Wales***

- Provided a full geological service to operations including exploration, coal quality, mining geology, gas evaluation, gas production and wastewater disposal.
- Responsible for initiation of investigation and evaluation of the effects of longwall coal extraction on surface drainage systems and infrastructure.
- Provided a liaison between consultants, management, government departments and local stakeholders.

### ***1989 – 1993 Senior Geologist, BHP Steel International Illawarra Operations, New South Wales***

- Geological modelling,
- Gas and water evaluation,
- Outburst evaluation, exploration, and
- Mine geology.

### ***1982 – 1989, Senior Geologist, BHP Minerals Coal Developments, Newcastle, New South Wales***

- Geological modelling,
- Geological interpretation,
- Opencut stability and groundwater issues,
- Gas and groundwater evaluation.



***1978 – 1982, Senior Geologist, Dampier Mining P/L (a BHP subsidiary), Blackwater, Queensland***

- Mine geology,
- Outburst and gas investigation,
- Exploration boreholes, and
- Surface seismic management

***1969 – 1978, Geologist, Australian Anglo American P/L***

- Base metal and gold exploration and geochemistry.
- Dewatering of mining areas.

***1969, Geologist, Pioneer Mining and Exploration P/L, Geologist***

- Base metal exploration
- Feasibility studies

***1962 – 1969, Laboratory Technician, Organic Microanalysis, Department of Chemistry, University of Queensland***

#### **Qualifications and Professional Memberships**

- University of Queensland - Bachelor of Science (BSc) (Geology) - 1969
- Numerous short industry courses including:
  - Hydrogeology
  - Reservoir Engineering
  - Geomechanics
  - Coal Geology
  - Management
  - Statistics
  - Geological Modelling Techniques