

# **Fingerboards Mineral Sands Project Inquiry and Advisory Committee Technical note**

**TN No:** TN 033

**Date:** 22 June 2021

**Subject:** Fingerboards – Overview of Kalbar’s Mining Experience

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This technical note has been prepared in response to a question raised by IAC about the experience of Kalbar and its key personnel. This note provides an overview of the experience and qualifications of the key members of Kalbar’s board, executive team and key project personnel for the Fingerboards Mineral Sands Project.

## BOARD

### **Dr Brad Farrell**

#### **Non-Executive Chairman**

*(Appointed March 2020; also, Chairman Kalbar Ltd, director March 2015)*

*BSc (Hons Econ Geology)*

*MSc*

*PhD*

Dr Farrell has over 50 years' experience in the mining and resources industry as a successful manager, explorer, and mine developer of several commodities (gold, nickel, manganese, mineral sands) for both junior ASX and major companies.

His considerable worldwide experience in mineral sands over this time, includes significant discoveries and development in Sierra Leone (Rotifunk); in Western Australia (Scott coastal plain and Gwindinup (mining completed)); and in the Murray Basin of Victoria and NSW. With the latter he was founder, Chairman/Managing Director, and major shareholder of Basin Minerals Limited, taken over by Iluka Resources Limited in 2002, to develop its major Douglas Project (now mined) as well as advancing its significant exploration potential (Balranald in particular). In March 2015 he became a substantial shareholder and director of Kalbar Ltd to develop the Fingerboards Project, part of the world class Glenaladale mineral sand deposit, Victoria.

Affiliations are Fellow of the Australasian Institute of Mining and Metallurgy, a Chartered Professional Geologist and a Member of The Consultants Society of the AusIMM of that organisation; and a Member of Institute of Materials, Minerals & Mining and a Chartered Engineer of that organisation.

### **Brad Pettersson**

#### **Non-executive Director**

*(Appointed September 2020)*

*Bachelor Commerce*

Mr Pettersson is an accountant with 25 years' experience specializing in tax law and commercial transactions. He commenced work with Arthur Andersen Sydney and became a Tax Partner with Ernst & Young within the Corporate and international Tax Practice. He then became Managing Director of Mining Advisory Consultants, a company providing support to clients in transactions, the financing of transactions, and effective tax structuring. Brad has held various advisory roles specializing in the Mining industry around financial

Other directorships include current Director of Kalbar Limited

### **Robert Sennitt**

#### **Non-executive Director**

*(Appointed July 2020)*

*Bachelor of Economics – Sydney University*

Mr Sennitt is the Senior Adviser to Appian Capital in Australia

Prior to joining Appian Capital, Mr Sennitt was Managing Director of Mineral Deposits Limited (MDL) which owned a 50% interest in the TiZir Joint Venture which comprised the Grande Cote mineral sands mine in Senegal and the TiZir Titanium and Iron smelting operation in Norway. Mr Sennitt was also the Joint Managing Director of the TiZir Joint Venture

Before his appointment at MDL, Mr Sennitt spent 25 years in the investment banking industry focused on providing finance and advisory services to international mining companies. During this time, he held senior positions at JP Morgan, Macquarie Bank and RBC Capital Markets

Associate of the Institute of Chartered Accountants.

### **Paul Schaffer**

#### **Non-executive Director**

*(Appointed April 2021)*

*CFA Charter holder  
Chartered Accountant  
CBIE – Columbia Business School*

*B. Bus (Fin) – Queensland University of Technology*

Mr Schaffer has held senior roles in investment banking with JPMorgan's EMEA Metals & Mining team based in London, and previously with Deutsche Bank's M&A team based in Sydney.

Paul has wide breadth of experience as an advisor for M&A, debt, and equity transactions for a large range of clients in the metals and mining sector. Previous companies of note are BHP, Rio Tinto, AngloGold Ashanti, Fresnillo, First Quantum Minerals, Sibanye Stillwater, Thyssenkrupp, Arcelor Mittal, Peabody amongst others.

Paul commenced his career with a leading global accounting firm working in the Corporate Finance and Audit & Assurance practices.

## EXECUTIVE TEAM

### **Jozsef Patarica**

#### **Chief Executive Officer**

*Bachelor of Engineering  
(Mechanical Engineering)*

*Master of Business  
Development (Technology  
Management)*

*AICD Company Directors  
Course Diploma.*

Mr Patarica joined Kalbar Operations as CEO in May 2020 to advance the development of The Fingerboards Mineral Sands Project which focuses on a high-grade area of heavy minerals in the Glenaladale deposit, about 20km northwest of Bairnsdale in East Gippsland, Victoria. The project has the potential to be one of the world's major producers of zircon, ilmenite, rutile, and rare earths.

Previously he was the in-country CEO of the Grande Cote Minerals Sands Project in Senegal, West Africa for TiZir where he was responsible for the ramp up of the operation to nameplate capacity.

His previous Victorian mining experience is with the development of the Fosterville Gold Mine east of Bendigo where he Project managed the Sulphide Project and transitioned to be the General Manager of the operation over a 6 year period.

Over his 26 years of mining experience, he has held senior operational and project development roles in a range of projects both in terms of scale and commodities within Australia and internationally.

### **John Francisco**

#### **Project Director**

*Post Graduate Certificate in  
Project Management*

*Advanced Diploma in  
Accounting & Business*

*Operation  
Certificate in Mine  
Management*

*Certificate in Life Cycle Asset  
Management  
Electrical Fitter /Mechanic*

Mr Francisco joined Kalbar Operations as Project Director in June 2020 to lead the project team through the design, construct, commission and into the operation phase of the Fingerboards Project. Having started in the mining industry in the mid 80's Mr Francisco has gained firsthand experience in underground and open cut metalliferous mines in asset management, engineering and mining operational roles.

Over the last decade he has held senior operational and project roles in West and Central Africa where he lead a project team through construction and into the operational phase at the Grande Cote Mineral Sands Mine in Senegal. He was Operations Manager at the Wahgnion Gold Mine in Burkina Faso and General Manger at the Kipoi Copper Mine in the DRC.

Having over three decades in mining Mr Francisco brings a wealth of experience with him. He has a practical down to earth approach to managing projects that is based on developing good teams with good people. He encourages diversity and skills development of the workforce and leads by example in the way of walking the talk and supports his senior management team to do the same.

### **Cameron Knox**

#### **Chief Financial Officer**

*Bachelor of Business  
(Accounting) RMIT*

*CPA (Certified Practising  
Accountant)*

Mr Knox has had more than 20 plus years in finance and accounting, predominantly in the mining and resources sector.

He has previously held several senior finance roles responsible for financial strategy, treasury, reporting, budgeting, governance, and audit, as well as more commercially focused responsibilities around managing concentrate sales contracts, off-take negotiations, commodity hedging strategies, and debt restructuring.

Mr Knox was recently the acting CFO of a listed mining and exploration company with cobalt and significant nickel and copper assets, with projects located in Idaho USA, Uganda, and NSW Australia. Prior to this he was the CFO of unlisted company with an operating mine, producing zinc and gold concentrate with an annual turnover of circa US\$100 million with approximately 350 employees.

## MANAGEMENT/PROJECT DELIVERY TEAM

**Loretta Fallaw**  
**Sustainability Manager**

*CFA Charter holder*  
*BE(Enviro)*  
*GIADC*  
*MAusIMM*

Ms Fallaw is an engineer with over 20 years' experience in the mining and construction industries both in Australia and in the UK. With extensive knowledge in regulatory compliance, sustainability, strategic planning, feasibility studies and project approvals. A strong project delivery professional with technical knowledge, Loretta has worked providing consultancy services and client side to deliver throughout the various stages of approval stages through to project delivery.

Previously, Loretta was Development and Approvals Manager for a company with a mineral sands project in the Murray Basin, in western Victoria.

Loretta was the winner of the inaugural (2019) Victorian AusIMM Women on Boards Scholarship a joint Victorian Government and AusIMM initiative.

**Paul Gibson-Roy**  
**Rehabilitation Manager**

*Associate Diploma*  
*Horticulture – Burnley*  
*Horticultural College,*  
*Melbourne*

*B. Science (Horticulture) 1st*  
*Class Honours - The*  
*University of Melbourne*

*Doctorate - The University of*  
*Melbourne*

Mr Gibson-Roy is a restoration ecologist specialized in re-establishing species-rich native grasslands and grassy woodlands.

In 2004 he instigated the Victorian Grassy Groundcover Research Project (Melbourne University and Greening Australia), a state-wide, field-scale grassy restoration program. In 2011 he expanded the project to NSW focusing on EPBC-listed Cumberland Plain Grassy Woodland. There he developed one of the countries most advanced seed production facilities growing wildflowers and with that seed led projects that for the first time restored by direct seeding complex grassy woodland across the region.

He was awarded a Churchill Fellowship in 2016 and toured the USA investigating their native seed and restoration sectors. In 2017 he co-developed an ANPC-led native seed sector survey gathering critical information and feedback from restorationists nationally.

Mr Gibson-Roy has published extensively on the topics of restoration, seed production and the restoration sector and most recently was lead author to the revised Florabank Guidelines on Seed Production and Direct Seeding.

**Peter Mogridge**  
**Community and Local**  
**Content Adviser**

*Bachelor of Business (RMIT)*

Mr Mogridge has worked in the Oil & Gas, Building & Construction, Infrastructure, Mining and Chemical Manufacturing Industries over the past 35 years. After having worked with ExxonMobil for 15 years in a senior procurement role, he built up a consultancy business specialising in Project Management, Procurement & Supply Chain Solutions, Industrial Relations advice, Workforce Development and Employee Management.

He was Brunel's Project Manager on ExxonMobil's USD\$5.5Bn Kipper Tuna Turrum Project in Bass Strait in 2011 – 2013 and was instrumental in the development and management of a 1300+ workforce that was contracted to ExxonMobil's EPCM Contractor 'McDermott International'.

Residing in Sale Gippsland, Peter's recent focus has been supporting several major Gippsland Infrastructure projects where he has worked with project proponents, Tier 1 contractors, subcontractors, local suppliers and communities to ensure local employment and local supplier opportunities are maximised. One of the key projects in Mr Mogridge's portfolio was working with the Bushfire Recovery Program, 2020-2021, in Bairnsdale East Gippsland maximising local content with opportunities and engagement.

He is an active member of the Maffra Lions Club supporting the local community.

**Stefan Wolmarans**  
**Study Director**

*BEng (Civil)*  
*Chartered Professional*  
*Engineer – Australia (CPEng*  
*3003039)*

Mr Wolmarans is a Project Director with Wave International. He has been in this role since 2010 and has been involved in the Mining and Infrastructure industry for more than 20 years.

He has experience as project director responsible for the delivery of Feasibility Studies for various resource development projects in Australia and Africa. Prior to his involvement in the Fingerboards project he was responsible for the development of a Rare Earth mining and processing project from Definitive Feasibility Study stage into the Execution phase, over a three-year period.

He also has extensive experience in working with multi-disciplinary project teams which provides him with a sound understanding of the complete project environment and knowledge of the critical success factors that apply to each individual project.

Mr Wolmarans has also been responsible for the planning and management of several large-scale development and civil infrastructure projects, for both private and public-sector client.

**Gavin Helgeland**  
**Chief Geologist**

*BSc (Applied Geology),*  
*Competent Person (JORC),*  
*Qualified Person (NI 43-101)*  
*Member AIG*

Mr Helgeland has 24 years of professional experience in exploration, resource development and open pit mining, covering the full range of project stages from grass roots and target generation through to feasibility studies and mine production. He has extensive experience in mineral sands and possesses an expert skill set in conceptual targeting and resource estimation.

He previously held principal and chief roles in mineral sands excelling in resource-reserve evaluation and problem solving in grade control and mine production/reconciliation. He has been involved in several major Australian mineral sands feasibility studies and mining start-ups.

Most recently, Mr Helgeland held a role as Strategic Development Manager in NSW local government, where he engaged with community organisations, businesses, and industries to focus economic development, liveability and sustainability goals and then advocate across all tiers of government to secure support/funding.

**Leigh Searle**  
**OH&S Systems Specialist**

*Cert IV Occupational Health*  
*& Safety*  
*Cert IV Training &*  
*Assessment*  
*Cert III Mine Emergency*  
*Response & Rescue*

Mr Searle has 15 years' experience in the mining industry in various operational, learning & development and health & safety roles. He has worked in Victoria, New South Wales, Queensland and Cote d'Ivoire, West Africa.

Prior joining the Kalbar team, Leigh spent the previous five years as the Health & Safety Manager at an underground gold mine in Victoria. Responsible for implementation of the site Health & Safety Management System, key focus areas included the management of critical hazards & controls, injury early intervention, emergency response and mental health & wellbeing.

Leigh is committed to improving health & safety throughout the Victorian mining industry through his commitment and involvement as a member of the MCA Victorian Safety & Health Working Group.

Affiliations: Member of MCA Victoria Safety & Health Working Group & Australian Institute of Health and Safety (AIHS).

**Maurice Kok**  
**Marketing Manager**

*Master of Business  
Administration Erasmus  
University in Rotterdam*

Mr Kok has had more than 15 plus years in sales, marketing and business development, predominantly in the mining and metals sector.

He has previously held various sales and marketing positions managing global sales and marketing of specialised alloys, providing superior value to customers. His responsibilities included implementation of strategic plans and marketing targets in focus markets, introducing and promoting new products and R&D and assistance in new production projects.

Mr Kok was recently with a listed mining and metals company with mineral sands assets where he was involved at a very early stage, developing the marketing strategy ahead of operations commencing. Responsibilities included among others business development, sales strategy and the introduction of its products in the global market and managing mineral sands sales contracts and off-take negotiations.

**Marcus Binks**  
**Processing Manager**

*Bachelor of Science  
(Metallurgy) -Ballarat  
University*

Mr Binks is a graduate from Ballarat University, Marcus Binks is an experienced metallurgist with +20 years of experience, both domestically and internationally in the design, commissioning, and operation of predominantly gold and base metal processing plants.

For the past 6 years, he has been consulting to the mining industry for number clients including Fosterville Gold, Novo Resources, K92 Mining, Mining Plus, Mincore and Mineral Deposits.

Marcus is a long-term member of the AusIMM and has written or contributed to several issued papers for the institute. A notable achievement by Marcus is the identification and development of the world first Heated Leach Plant (HiTECC). He was also pivotal in the design and permitting for the first in-pit tails storage facility in Victoria.

Marcus is very personable and maintains a high level of integrity with a focus on safety, systems, and the delivery of quality, cost effective outcomes for clients.

**Megan Nash**  
**Infrastructure Project  
Manager**

*Bachelor of Engineering  
(Building) Victoria University*

*MIEAust CPEng (Chartered  
Professional Engineer - Civil &  
Structural schools)*

Ms Nash has had more than 20 years of experience in Construction, Engineering & Project Management of complex large to mega projects predominantly in the oil and gas sector on both local and international projects.

She has experience across both greenfield and brownfield projects including Major Hazard Facilities at various project lifecycle stages including select, define, execute, commission, and decommission.

She has previously held business-critical roles in owners' teams for major proponents on mega projects including British Gas/Shell (QCLNG \$20.4G USD) and ExxonMobil/Esso Highlands (PNGLNG \$18.7G USD). Responsibilities have included Discipline Asset Technical Authority for circa \$5G USD of owners operating assets, along with project management of multidiscipline initiatives such as compression facility debottlenecking and re-rating.

Ms Nash has been engaged in the project delivery of several Victorian-based projects including HDS2 Project at the Shell Refinery - Geelong (now owned by Viva Energy), Otway Gas Project - Port Campbell and Pulp Mill Upgrade Project for Australian Paper at Maryvale.

Ms Nash is a Bairnsdale local having completed her secondary schooling at the local college before moving to Melbourne for further studies. She returned to Bairnsdale in 2018 following a successful career working away and abroad and is now the director of a Project Management Consultancy servicing multiple clients in the local area. Ms Nash is a chartered professional holding the qualification of MIEAust CPEng.

**Anthony Hegarty**  
**Mining Specialist**

Mr Hegarty has had more than 30 years in mine operations management, predominantly in the mineral sands sector.

He has previously held several senior management roles in Western Australia and Africa being responsible for the management of open pit and dredge mining operations, encompassing community engagement and social development, the safety of site personnel, compliance of relevant mining regulations, including compliance while mining in sensitive biodiverse environments and mining on operating pastoral properties. Responsibilities included local community relations; development and execution of mine exploration plans; short, medium, and long term mine plans; operational budgeting and reporting; mining operations, tailings management; and rehabilitation scheduling.

Mr Hegarty has been consulting to the mining sector for several years and has previously held GM and acting COO roles in mineral sands operations in Africa, and the registered mine manager and operations manager of mineral sands operations in Western Australia.

**Project Scheduling & Controls Specialist - Asad Rahupoto** (Bachelor of Civil Engineering, MUET, Master of Engineering Management, QUT, Master of Project Management, QUT)

**Project Strategic Coordinator - Kirit Chauhan** (Bachelor of Mechanical Engineering – University of Queensland)

**Project Co-Ordinator - Chris Cook** (Bachelor of Engineering (Civil) Victoria University, AIPM CPPD (Certified Practicing Project Director))

**Commercial Management Plan and Support Co-Ordinator – Brad Cook**

**Stakeholder Engagement & Communication Specialist – Vesna Rendulic**

**GIS & Database Specialist – Ian O’Loughlin**

**Accounts Administrator – Stephanie Miranti**

**Contract Structure and Management Co-Ordinator – Jaynah Stevens**

