

Stephen Bedford Clark



Senior Aquatic Ecologist

CONTACT DETAILS

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84 Lemon Avenue
Mildura, VIC 3500

QUALIFICATIONS

- B Science (UK Mining Engineering) equiv
- Cert III Environmental Business Studies equiv

PROFESSIONAL ASSOCIATIONS

- Australia Freshwater Sciences Society
- Australian and New Guinea Fishes Association

Stephen is an experienced practitioner with a great breadth of skills. He was originally a mining engineer in the United Kingdom and was one of the first to diverge into environmental remediation, which led to his appointment as Director of Aquatic Ecology at the Earth Centre (UK).

An international aquatic ecology specialist, he has undertaken fish surveys and aquatic management in a variety of Australasian, South-East Asia and Indo-Pacific locations. Stephen also designs the ecological treatment wastewaters using reedbed technologies and constructed wetlands for stormwater storage.

As a project manager, he has built teams for mining, port and rail facilities, freshwater/marine ecology, seafood aquaculture and mariculture, waste minimisation and utilisation and remediation of contaminated mining sites.

Areas of expertise

- Project management
- Environmental mining
- Aquatic ecology
- Aquaculture
- Mariculture
- Ecological wastewater treatment (reedbeds)
- Development approvals
- Applied sustainability
- Zero emissions

Professional experience

- Pinion Advisory (Sunraysia Environmental) - Senior Environmental Consultant, 2019–present
- Fishace Pty Ltd – Principal Environmental Engineer, 2014-2018
- Amode Solutions/Energetics - Principal Consultant, 2011-2014

CAPABILITY STATEMENT

Relevant projects

PROJECT	ROLE	CLIENT	YEAR/S DELIVERED
Salinity investigation	Construction of 22 shallow groundwater bores and water monitoring for salinity (Mildura)	Lower Murray Water	2020
Business planning and training	Business plan and Aquatic Ranger training curriculum	FPMMAC	2020
Murray river sand dredging	Environmental audit of sand dredging operations	Boral	2019
Mariculture seafood development	Concept & detailed design for the Pacific Mariculture Centre, Port Moresby, Papua New Guinea	Fishace Ecological Engineering	2015-2017
Renewable energy modular accommodation systems	Design of renewable energy solutions, Port Moresby, Papua New Guinea	Amode Solutions	2013-2014
Energy efficiencies	Energy, water and low carbon auditing	Energetics	2011-2012
Microalgae biofuels	Development of an R&D project for the cultivation of phytoplankton for biofuels	Fishace Ecological Engineering	2008-2011
Environmental development approvals	Public Environmental Review for a new iron mine development for Hancock Prospecting based at Roy Hill, Pilbara, WA	SMEC	2007-2008
Environmental development approvals	Public Environmental Review (PER) for the CITIC Cape Preston project, Pilbara, WA	AECOM Maunsell	2006-2007
Environmental scoping and investigations	Preliminary investigations and master-planning for a proposed major Midwest WA infrastructure development	Worley Parsons	2006-2006
Mariculture development	Development of a fish hatchery and sea cage grow-out, SA	Clean Seas Aquaculture	2002-2004
Ecotourism and visitor attraction	Development of £ multi-million visitor attraction promoting sustainable development to the UK general public	The Earth Centre Ltd (UK)	1993-2001