

DAVID BALK

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CAREER OBJECTIVE

My goal is to utilise my passion, knowledge, and experience to drive innovation within the aquaculture industry.

EDUCATION

2013 James Cook University – Master of Applied Science (Aquaculture)

Relevant Areas of Study;

- Aquatic Pathobiology
- Feeds and Nutrition
- Production and Evaluation
- Propagation
- Hatchery Techniques
- System Design and Construction
- Selective Breeding in Aquaculture
- Sustainable Aquaculture
- Ecophysiology

2011 Macquarie University – Bachelor of Marine Science (Biology)

Development of skills in research, statistical analysis, and experimental design.

2006 Brookvale TAFE – Certificate III in Marine Studies

Practical skills including general purpose deck hand training and water quality monitoring.

PREVIOUS EMPLOYMENT

2017 – Present Hatchery Supervisor, Ellies Pearling Pty Ltd, Nhulunbuy, NT

Management of 3-5 hatchery staff, up to 15 staff for extended periods during servicing and harvesting/redeployment of spat on marine leases from a mothership.

Staff training and motivation including managing team dynamics on a remote site.

Ensuring production targets are met within budget and on time.

Sourcing and ordering of all needed equipment/supplies to a remote site.

Project management for new system designs and research projects; budgeting, experimental design, data analysis, resource allocation, construction.

Maintenance and troubleshooting of equipment including; pumps, UV sterilizers, blowers.

Production of *Pinctada maxima* larvae and spat within the hatchery along with management of juveniles on marine leases.

Providing a safe workplace by; promoting WHS procedures, developing SOP's, and ensuring staff compliance.

2018 **Scientific Officer – Tasmanian Shellfish Quality Assurance Program**
(TSQAP) Department of Primary Industries, Parks, Water and Environment
Hobart, TAS

2016 - 2017 **Technical Officer – Tasmanian Shellfish Quality Assurance Program**
(TSQAP) Department of Primary Industries, Parks, Water and Environment
Hobart, TAS

Coordinating the delivery of environmental and biological monitoring systems for commercial shellfish growing areas.

State shellfish policy development and review ensuring compliance with domestic and Department of Agriculture and Water Resources (DAWR) export regulations.

Developing sanitary surveys, reports, and management plans for commercial shellfish harvest areas.

Developing and implementing quality assurance and control processes and procedures for equipment and data management systems compliant with federal audits by DAWR.

Providing advice to other senior staff, governmental agencies, local government, the public and industry.

2013 – 2016 **Senior Hatchery Technician, Spring Bay Seafoods, Triabunna, TAS**

Management of hatchery in the absence of the manager.

Training of new staff and students.

Assistance in the development and introduction of biosecurity protocols for OsHV-1

Liaison with boat crews, shore crew, and senior management

Production of Blue Mussel (*Mytilus galloprovincialis*) and Pacific Oyster (*Crassostrea gigas*)

Production of micro algae in various systems; batch, continuous, and semi-continuous.

Maintenance, construction, and design of all systems.

Monitoring of bacterial and marine phytoplankton populations.

SKILLS

- Water quality and phytoplankton monitoring and control
- Professional level report writing, data management and analysis
- Excellent computer literacy relating to Microsoft Office products, ArcMap GIS, computer assisted design software, and statistical analysis programs
- Recreational Boat Licence

REFEREES

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