


SITUATIONAL ANALYSIS OF AQUACULTURE IN NORTHERN AUSTRALIA

DATA PROCESS

FRAMING

Literature Review

 **117**
Online Survey

DATA COLLECTION

 **>150**

Focus Groups
& Workshops

SWOT Analysis
Porter's Five Forces

PESTEL Analysis
Scenario Planning Exercise

EXPERT REVIEW

Stage 1 Report

STAKEHOLDER VALIDATION

 **85**
Workshop

Final Report: Northern Australia Aquaculture
Industry Situational Analysis

CURRENT INDUSTRY PRODUCTION

Northern Australia aquaculture is worth \$223M*

VALUE

JOBS

LOCATION

\$74.8 M

 **180**

WA, NT & QLD

\$72.3M

 **220**

WA, NT & QLD

\$70.3M

 **70**

WA, NT & QLD

Other species including oyster, redclaw and other finfish make up the remaning value of \$6.2M, and provide 50 jobs.

KEY CHALLENGES

TOP 2 FOR EACH SECTOR

Regulatory burden

Environmental risks

Absence of
breeding programs

Broodstock
(quality/supply)

Environmental risks

Disease

INDUSTRY OVERALL

Absence of breeding programs

Broodstock (quality/supply)

Disease risk

Environmental risks

Labour recruitment

Liveability

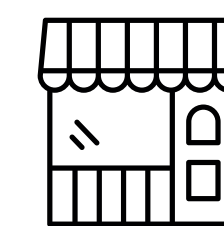
Power (cost/reliability)

Regulatory burden

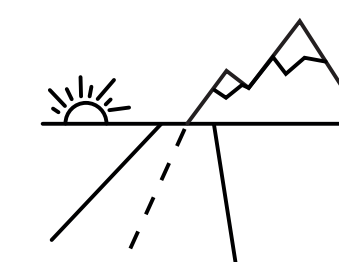
BARRIERS TO INDUSTRY DEVELOPMENT



Capital availability
High cost of key inputs
High (and increasing) insurance costs



Access to key markets
Availability of development areas/sites



Lack of local and regional infrastructure
Remoteness from other key requirements
Skills shortages



Navigation of regulatory environment
Lack of coordinated policy development
Product of origin ambiguity



Harsh weather conditions and
climatic uncertainty
Environmental and regulatory hurdles

IN 2030 NORTHERN AUSTRALIAN AQUACULTURE WILL BE A NATIONALLY SIGNIFICANT (\$1B A YEAR GVP), COHESIVE, SUSTAINABLE, RESPECTED INDUSTRY, PROVIDING PREMIUM PRODUCTS TO AUSTRALIAN AND INTERNATIONAL MARKETS, THAT CONTRIBUTES TO THE PROSPERITY AND DIVERSIFICATION OF REGIONAL AND INDIGENOUS COMMUNITIES ACROSS THE NORTH.

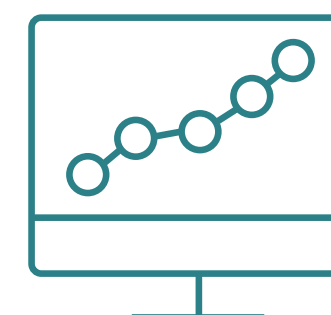
RECOMMENDATIONS



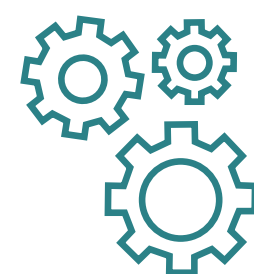
Bolster biosecurity: at the border through review of policy, risk assessments and R&D programs; increase pathogen understanding, documented risks, transmission pathways, and practical surveillance; and establish most effective structures to develop high health lines for key production species



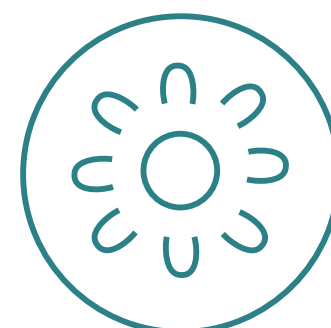
Facilitate infrastructure development for key Aquaculture Development Hubs in northern Australia



Support the northern Australia aquaculture industry in market development and access (domestic and international)



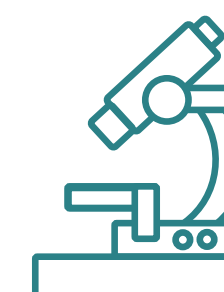
Build skills to meet industry growth. Fill the gap in skilled personel of at least 1,400 new jobs by 2030



Build aquaculture as a means for Indigenous economic development and independence



Stronger and adaptive governance of the northern Australian aquaculture industry



RD&E is focussed on industry outcomes and is aligned with national, jurisdiction and industry association plans

PROJECTED INDUSTRY GROWTH worth \$1.34B

VALUE

JOBS

PRODUCTION

400%



\$447.2 M

 **675**

34,860 T

400%



\$432.3M

 **825**

19,915 T

75%



\$420.4M

 **263**

0.7 MOMME

700% increase in volume in other species and emerging sectors