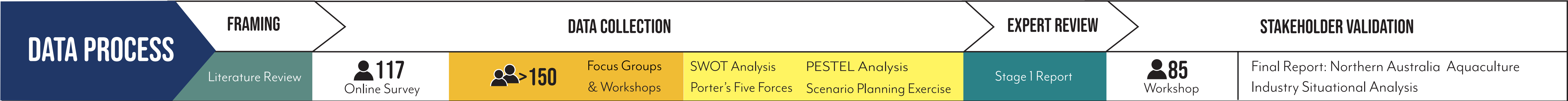





SITUATIONAL ANALYSIS OF AQUACULTURE IN NORTHERN AUSTRALIA



CURRENT INDUSTRY PRODUCTION

Northern Australia aquaculture is worth \$223M*

	VALUE	JOB	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


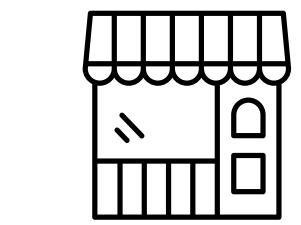
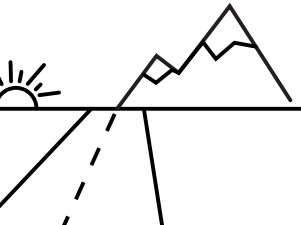
TOP 2 FOR EACH SECTOR

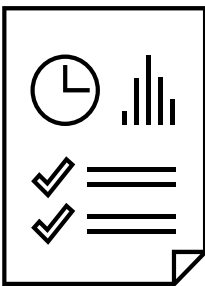
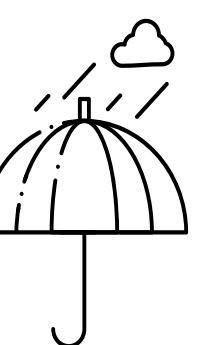
Regulatory burden	Environmental risks
Absence of breeding programs	Broodstock (quality/supply)
Environmental risks	Disease

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 uncertaintiy
 - Envrionmental and regulatory hurdles

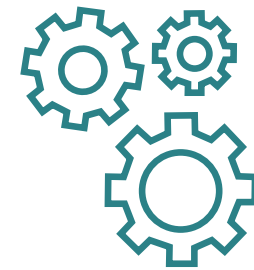
IN 2030 NORTHERN AUSTRALIAN AQUACULTURE WILL BE A NATIONALLY SIGNIFICANT (\$1B A YEAR GVP), COHESIVE, SUSTAINABLE, RESPECTED INDUSTRY, PROVIDING PREMIUM PRODUCTS TO AUSTRALIAN AND INTERNATIONAL MARKETS, THAT CONTRIBUTES TO THE PROSPERITY AND DIVERSIFICATION OF REGIONAL AND INDIGENOUS COMMUNITIES ACROSS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


RECOMMENDATIONS


- 

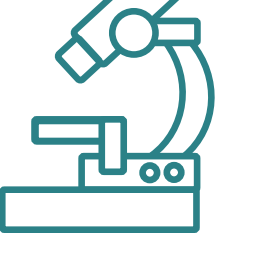
Bolster biosecurity: at the border through review of policy, risk assessments and R&D programs; increase pathogen understanding, documented risks, transmission pathways, and practical surveillance; and establish most effective structures to develop high health lines for key production species
- 

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	JOB	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

*modified from ABARES, 2018