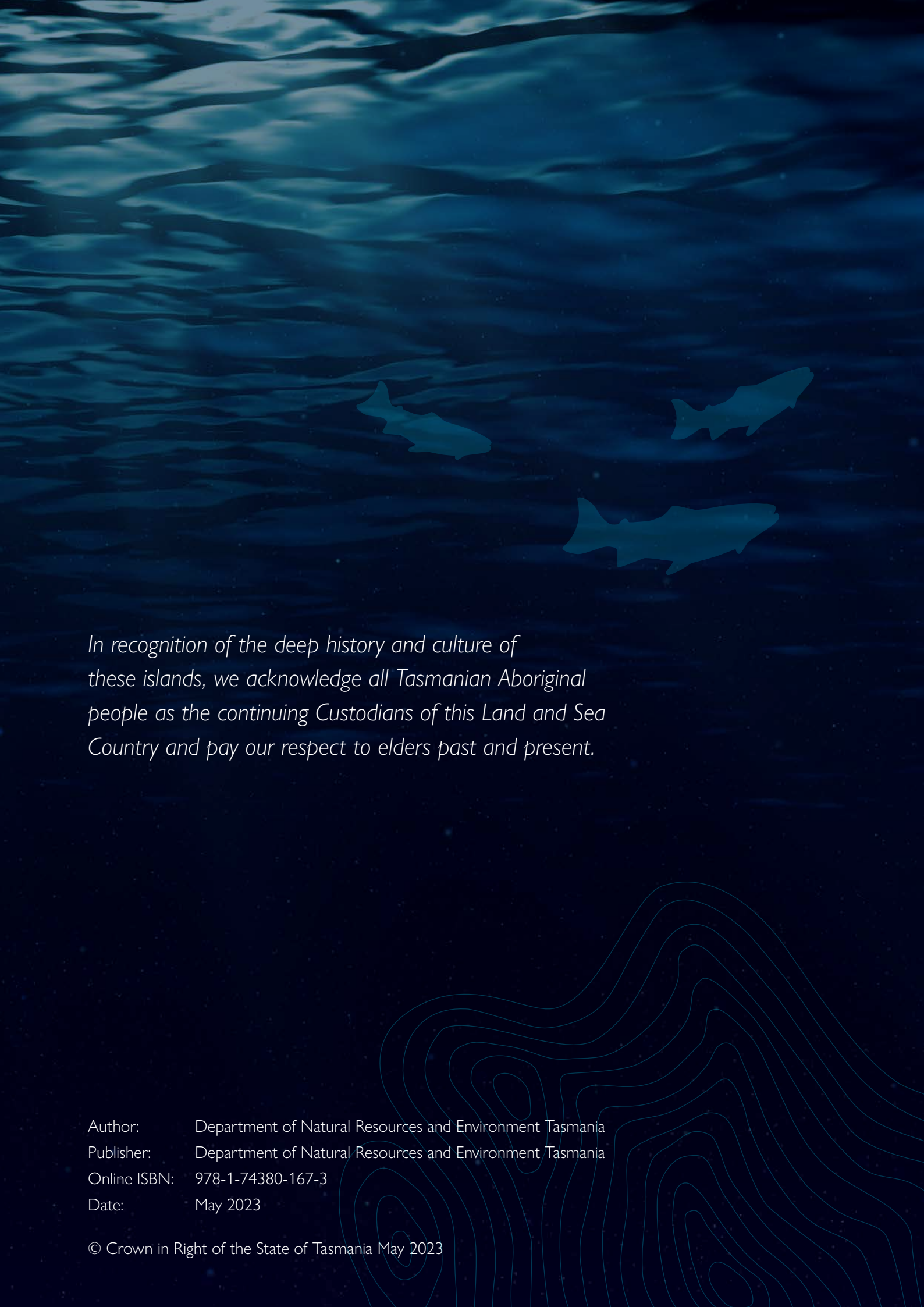


Implementation Program

Tasmanian Salmon Industry Plan 2023

Version 1.0 (May 2023)





In recognition of the deep history and culture of these islands, we acknowledge all Tasmanian Aboriginal people as the continuing Custodians of this Land and Sea Country and pay our respect to elders past and present.

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Legend

Acronyms

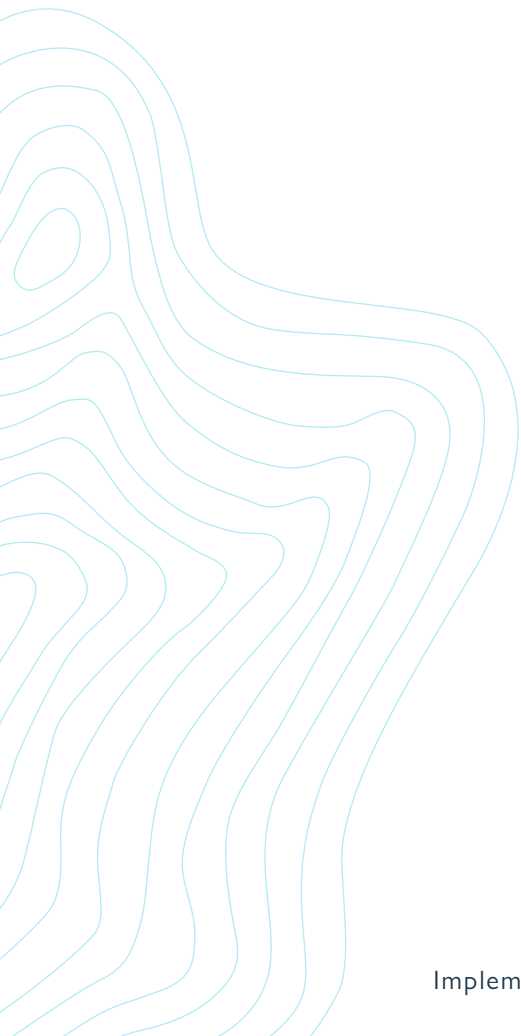
BE CRC	Blue Economy Cooperative Research Centre
Brand Tas	Brand Tasmania
CEF	Community Engagement Forum
CMS	Centre for Marine Socioecology
CSIRO	Commonwealth Scientific and Industry Research Organisation
State Growth	Department of State Growth
EMPCA	<i>Environmental Management and Pollution Control Act 1994</i>
EPA	Environment Protection Authority
FRDC	Fisheries Research and Development Corporation
IMAS	Institute for Marine and Antarctic Studies
LMRMA	<i>Living Marine Resources Management Act 1995</i>
MFFPA	<i>Marine Farming Planning Act 1995</i>
NRE Tas	Department of Natural Resources and Environment Tasmania
NRM	Natural Resource Management
RECFIT	Renewables, Climate and Future Industries Tasmania
SCC	Salmon Coordination Committee
SIWG	Salmon Industry Working Group
SIA	Seafood Industry Australia
SMRCA	Sustainable Marine Research Collaboration Agreement
TARFish	Tasmanian Association of Recreational Fishing
TSIC	Tasmanian Seafood Industry Council

Timelines for completion

Near term	Completion expected within 3 months to 2 years
Medium term	Completion expected within 2 to 5 years
Long term	Completion expected within 5 to 10 years
Ongoing	Ongoing commitment or key operational activity

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Tasmanian Salmon Industry Plan framework

Vision

A sustainable industry into the future all Tasmanians can be proud of – one that is economically successful, environmentally responsible, socially beneficial and well-managed.

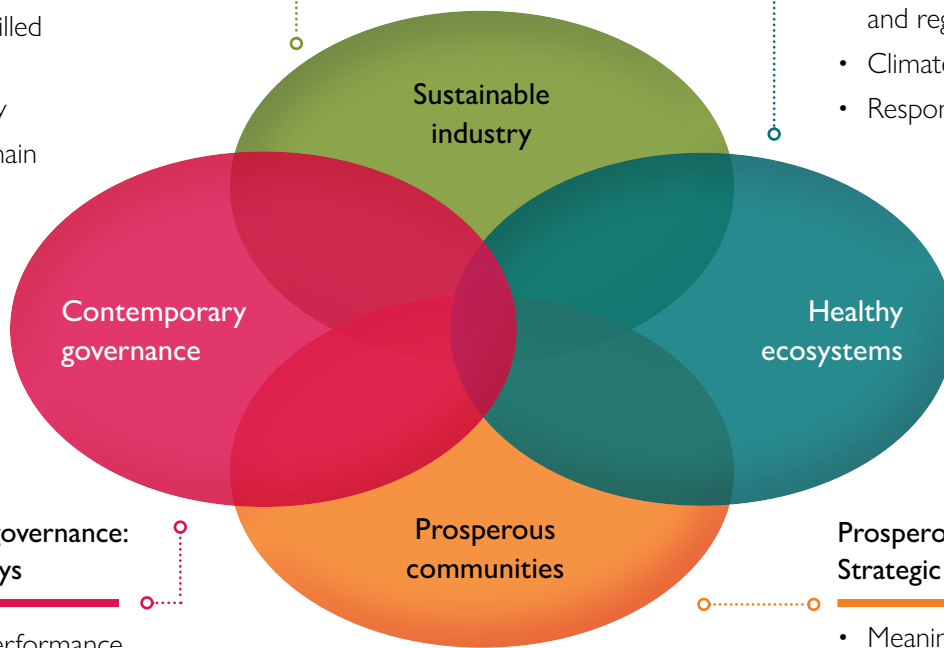
Priority outcomes

Sustainable industry: Strategic pathways

- Investment certainty
- Innovation partnerships
- Integrated planning
- Diverse and skilled workforce
- Market security
- Local supply chain

Healthy ecosystems: Strategic pathways

- Responsible industry
- Science-based decisions
- Government standards and regulations
- Climate change adaptation
- Responsive management



Contemporary governance: Strategic pathways

- Process and performance transparency
- Independent science
- Enforcement and compliance
- Community outreach
- Strategic linkages

Prosperous communities: Strategic pathways

- Meaningful jobs
- Regional economic stimulus
- Aboriginal enterprises and stewardship
- Leveraging benefits
- Value capture

Implementation program

Actions | Coordination | Communication | Regulation | Research

Implementation

The implementation of the Tasmanian Salmon Industry Plan (the Plan) will be coordinated by the Department of Natural Resources and Environment Tasmania (NRE Tas) in collaboration with associated state government agencies, research organisations, and the independent Environment Protection Authority.

Implementation consists of:

1. Actions
2. Coordination
3. Communication
4. Regulation
5. Research

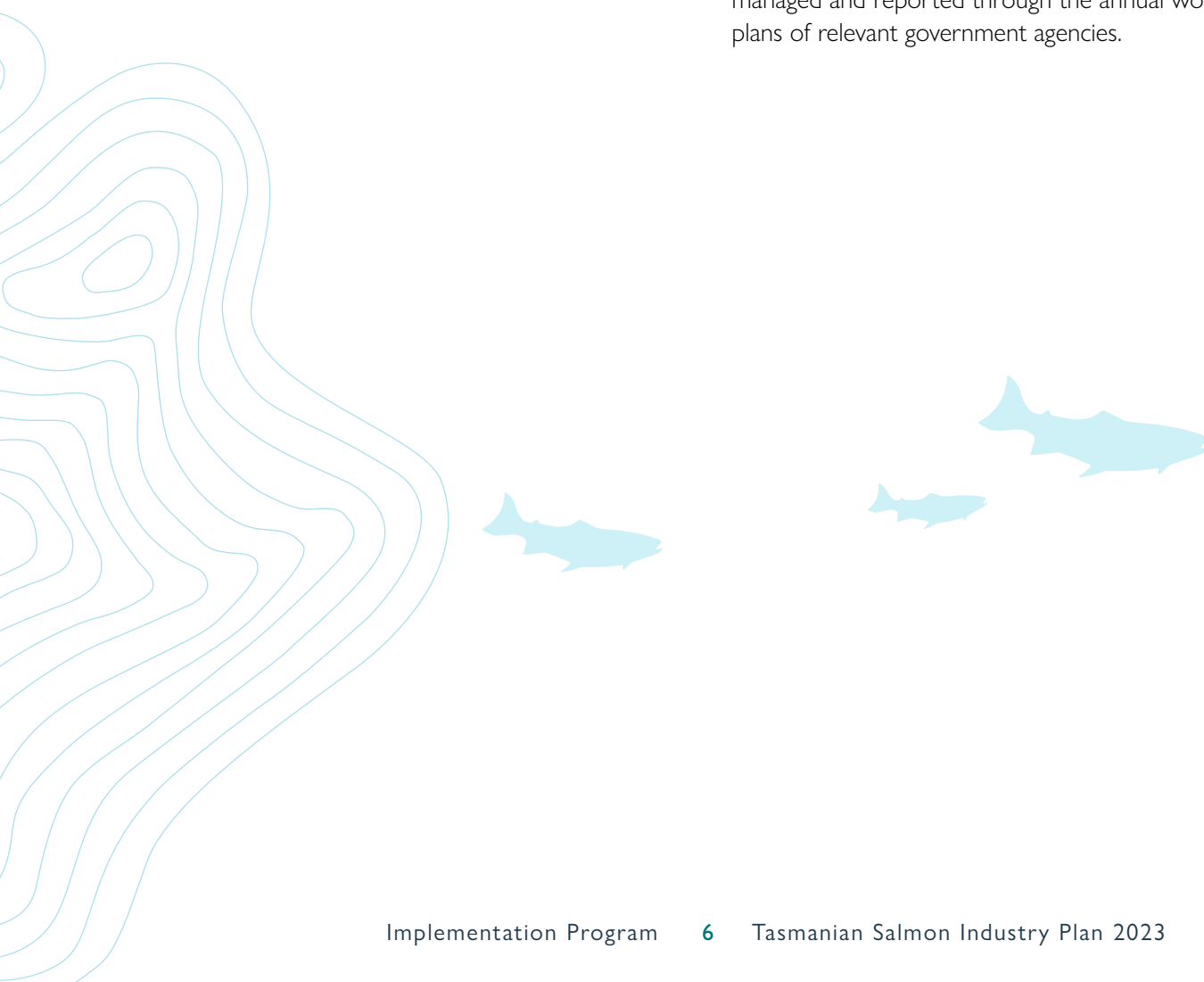
Actions

This program outlines the actions that will be taken to deliver the outcomes of the Plan over the near, medium and longer term.

Implementation actions deliver the priority outcomes of the Plan and consist of a mix of:

- new actions;
- actions that correspond to the Government's response to the Tasmanian Legislative Council Government Administration Committee "A" report on Finfish Farming in Tasmania;
- actions that have application or outcomes relating to broader aquaculture or marine sector activities; and
- ongoing commitment or key operational activities.

Other routine actions that contribute to ongoing planning, operational management and compliance programs are not detailed in the Program but are managed and reported through the annual work plans of relevant government agencies.



What are Government's priority actions?

Near term – Expected completion within 3 months to 2 years

Improve environmental management outcomes

Finalising Environmental Standards for Marine Finfish Farming and developing supporting Technical Standards.

Developing Environmental Standards for Freshwater Finfish Farming, and supporting Technical Standards.

Establishing a framework to support the transition of flow through hatchery systems over a certain size to recirculating aquaculture systems.

Investment certainty

Scoping a government-led planning process for future finfish farming opportunities in south-east state waters, further off-shore extending from Storm Bay south into the Tasman Sea.

Return to community

Consulting on and implementing the principle of an appropriate return from the salmon aquaculture industry to the Tasmanian community.

Greater transparency and improved communication

Reviewing the Salmon Farming Data Portal to:

- expand the information available, including public reporting aligned to implementing the new aquaculture standards as they are enacted;
- determine the most appropriate arrangement for managing the Portal going forward including platform costs and hosting organisation(s); and
- undertake relevant international comparison of publicly available marine farming information in other jurisdictions and progress relevant recommendations.

Full cost recovery

Moving from partial cost recovery to recovering the full costs of managing the industry from 1 July 2023.

Improved management of wildlife interaction

Updating the Seal Management Framework and Minimum Requirements.

Developing new Wildlife Interaction Standards that addresses potential interactions that occur with a range of marine wildlife species (including seals) with measures to minimise risk to the health and safety of animals and farmworkers.

Improving penalties, compliance and marine debris management

Reviewing the penalties and compliance frameworks that apply to finfish.

Reviewing and updating the Marine Farming Debris Zero Tolerance Compliance Policy.

Implementing new Aquaculture Standards (Biosecurity Program, Standardised Marine Farming Management Controls and others as they are finalised).

Medium term – Expected completion within 2 to 5 years

Continued improvement of legislation

Reviewing the *Living Marine Resources Management Act 1995* and *Marine Farming Planning Act 1995*.

Investment certainty

Working with the Blue Economy Cooperative Research Centre and Australian Government to identify new areas of Commonwealth waters for aquaculture research.

Scoping legislation for commercial aquaculture in Commonwealth waters, regulated by the State.

Certainty for the community

Progress statutory planning processes for relevant Marine Farming Development Plans across the state to remove finfish farming from zones where the area is not subject to an existing marine farming lease, commencing with the Furneaux Islands Marine Farming Development Plan.



Coordination

Implementation of the Plan will be undertaken through three arrangements. One with industry (Salmon Industry Working Group), the second internal to government (Salmon Coordination Committee), and the third with an intentional focus on community engagement (Community Engagement Forums). All three arrangements will function in parallel and are designed to achieve better knowledge sharing and integration of the Plan implementation activities. NRE Tas will provide secretariat services for these.

Salmon Industry Working Group (SIWG)

This group will bring together Tasmanian Government agencies and industry representatives to:

- communicate with government on strategic and operational matters;
- raise related industry led or propose collaborative actions that need to be addressed under the Plan;
- share feedback on the Government's implementation of actions; and
- identify key information gaps and needs.

This group will meet quarterly. Meetings will be held in major centres and priority field locations throughout Tasmania and will include an opportunity for community engagement.

The group will be chaired by an independent chair appointed by the Minister for Primary Industries and Water and will include representation from:

- senior leadership staff from each of the three major salmon companies;
- the Chief Executive Officer of Salmon Tasmania;
- up to three representatives of small and medium scale salmon-related supply businesses drawn from across Tasmania; and
- up to three Tasmanian Government representatives drawn from the Salmon Coordination Committee (or their nominees).

The SIWG will be able to invite guest presenters from research agencies (such as the Institute for Marine and Antarctic Studies (IMAS), Blue Economy Cooperative Research Centre (Blue Economy CRC), Fisheries Research and Development Centre (FRDC), Commonwealth Scientific and Industry Research

Organisation (CSIRO), from Aboriginal and community organisations and/or from industry groups to contribute on specific items.

The SIWG will be supported by a secretariat within the Marine Resources Business Unit (NRE Tas). Except for any matters that are “commercial in confidence”, meeting outcomes will be made available online.

Salmon Coordination Committee (SCC)

The SCC will work across government agencies to share information, identify science needs, coordinate responsibilities and monitor progress of the Plan's implementation. The committee will be chaired by the Deputy Secretary, Primary Industries and Water (NRE Tas) and comprise representatives from:

- Marine Resources (NRE Tas);
- Biosecurity Tasmania (NRE Tas);
- Environment, Heritage and Land (NRE Tas);
- Department of State Growth; and
- Environment Protection Authority.

The SCC can invite representatives from other state government agencies and/or from other levels of government, including federal and local governments, as well as related agencies such as the FRDC and the CSIRO. The SCC will be supported by a secretariat from Marine Resources (NRE Tas).

Community Engagement Forums (CEFs)

Community engagement forums will be held around Tasmania each year to enable community members and organisations to engage regularly and consistently in salmon planning, and broader aquaculture and marine resources management. These forums will ensure there is at least one engagement opportunity annually for communities in northern, southern and western Tasmania. The forums will be supported by Marine Resources (NRE Tas) and other NRE Tas staff as well as invited experts from other agencies and institutions. Forum details will be advertised widely, and all meeting details/outcomes and reports/presentations will be made available on a public website.

Communication

Delivery of the Plan will require consistent and well-coordinated communication across multiple public agencies, a multi-faceted industry sector, diverse and actively engaged communities and a range of knowledge providers.

The principal platform for this communication will be a new Salmon Plan website maintained by NRE Tas that will provide a gateway to the Plan and all related activities, including summary annual update reports on work undertaken on each of the strategic pathways and the activities of the SIWG and CEFs. This website will supplement ongoing and new initiatives such as an updated Salmon Data Portal, a salmon research gateway, and the ongoing environmental, social and governance reports published by salmon companies.

Regulation

Salmon farming is managed under the Resource Management and Planning System. This is an integrated system with the aim to achieve sustainable outcome from the use and development of the State's natural and physical resources. A range of resource management legislation applies to salmon farming, across a spectrum of activities that take place in Tasmania. Figure 1 overleaf shows the Tasmanian Government's Planning and Regulatory framework supporting the salmon industry.

Research

From the earliest stages of industry development, the Tasmanian Government has been a co-investor in industry research and has developed a comprehensive planning, management and regulatory system that has both anticipated the future needs of the industry and adjusted as more experience was gained with industry operations.

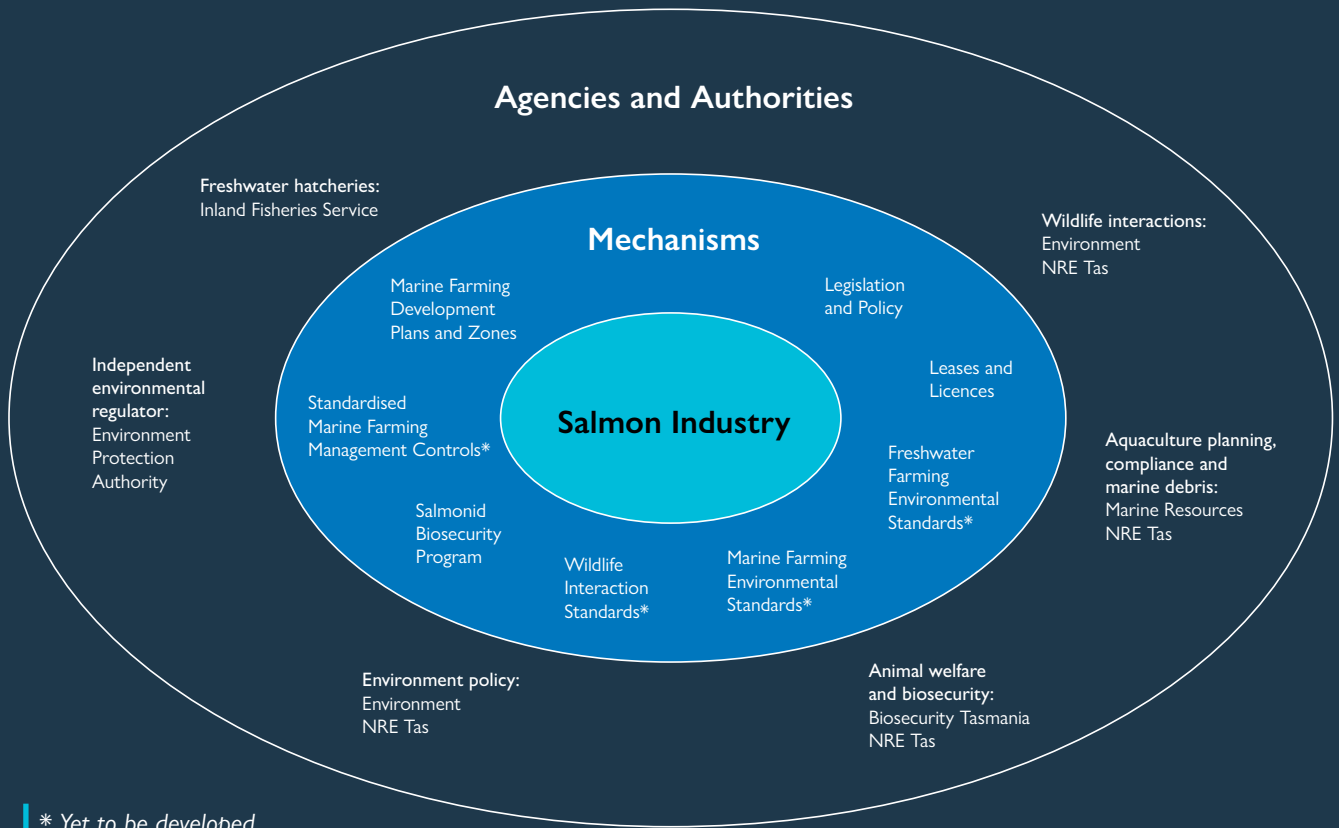
Three leading research collaborations provide a range of training, research and information services to government, to industry and to the community at large.

1. **Sustainable Marine Research Collaboration Agreement** is a longstanding partnership between the University of Tasmania's IMAS, undertaking globally significant research into salmon (and related aquaculture) and more locally significant monitoring of salmon impacts and operations.
2. **Fisheries Research and Development Corporation** acts as a key research and knowledge partner to both industry and Government and enables diverse collaborations from local to national scales. FRDC has recently expanded its engagement in research extension activities in Tasmania and nationally.
3. **Blue Economy Cooperative Research Centre** which brings more than 40 industry, government, and research partners from 10 countries with expertise in aquaculture, marine renewable energy, maritime engineering, environmental assessments and policy and regulation.

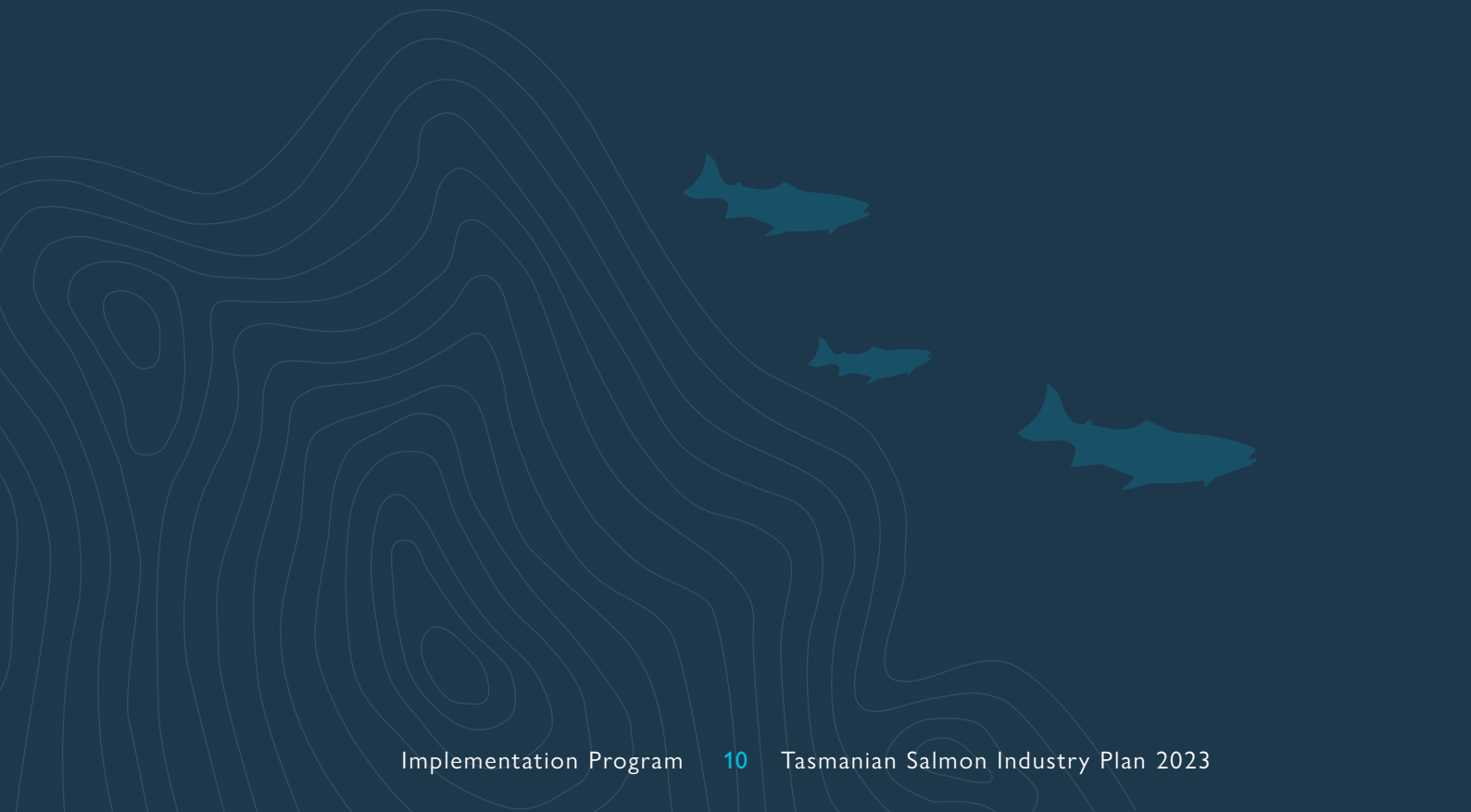
Further information on relevant research collaborations referenced in this Program is available at this link www.nre.tas.gov.au/aquaculture/research-collaborations.



Figure 1. Tasmanian Government’s Planning and Regulatory framework supporting the Salmon industry



* Yet to be developed





Priority outcomes and strategic pathways

The Plan has four inter-related priority outcomes and 21 aligned strategic pathways that represent activity areas for delivery of the Plan in the near, medium and longer term.

Strategic pathway	What does this include?
Priority outcome 1: Sustainable industry	
Investment certainty	Clear, consistent, and orderly processes to support industry planning and operations, including scoping a Government-led planning process to support future farming in the south-east, further offshore from Storm Bay south extending into the Tasman Sea.
Innovation partnerships	Public and private investments in innovation are encouraged to advance production and farming technology, develop new vaccines, reduce environmental effects, decarbonise operations, reduce emissions, realise the circular economy and promote climate adaptation.
Integrated planning	Industry's spatial land, freshwater and marine use needs are considered and integrated in Tasmania's land use planning, freshwater and marine estate management frameworks.
Diverse and skilled workforce	Training providers and institutions are supported and aligned to meet industry and sectoral workforce recruitment and development needs now and into the future.
Market security	Domestic and export markets are accessible to the industry and account for biosecurity and animal welfare requirements.
Local supply chain	Network of goods and services providers are supported to meet industry needs, with a particular focus on capability, innovation, and the circular economy.

Priority outcome 2: Healthy ecosystems	
Responsible industry	Policy and regulations that promote and incentivise environmentally responsible practices by industry, including fostering circular economy principles, decarbonisation, waste and emission reduction, and marine farming debris management.
Science-based decisions	Peer reviewed, contemporary science informs planning, management and regulatory approaches and appropriate science capacity is maintained and strengthened.
Government standards and regulations	Clear and well understood frameworks to manage salmon industry effects on the environment, including wildlife interactions, farming operations and biosecurity.
Climate change adaptation	Taking account of changing ecosystems and adaptation requirements with a forward-looking approach to planning, operations and regulations.
Responsive management	Effective, timely and evidence-based responses to the evolving issues that arise from the dynamic social and natural environments in which the industry operates.

Strategic pathway	What does this include?
Priority outcome 3: Prosperous communities	
Meaningful jobs	Education pathways and training services are aligned to meet current and emerging industry needs.
Regional economic stimulus	Industry and related government investments support community liveability (services and infrastructure) and wellbeing, and meet industry workforce needs.
Aboriginal enterprises and stewardship	Sea Country stewardship needs and Aboriginal business opportunities are considered through all phases of industry development, planning and management through proactive engagement processes.
Leveraging benefits	Goods and services providers are recognised and supported to both contribute to existing supply chain processes and to diversify to meet emerging market opportunities.
Value capture	Deliver benefits to the broader Tasmanian community and economy, including through manufacturing and other value adding activities, full cost recovery of Government services and an appropriate return to the Tasmanian community.

Priority outcome 4: Contemporary governance	
Process and performance transparency	Accessible, understandable and transparent governance processes, data and research results.
Independent science	Capable and independent institutions, including secure funding for the provision and communication of salmon-related scientific information.
Enforcement and compliance	Contemporary and appropriately resourced implementation of regulations and standards.
Community outreach	Proactive engagement and communication by scientific, regulatory and industry bodies improves public understanding of salmon aquaculture operations, management and interactions with the natural system.
Strategic linkages	Greater internal and external government engagement to harness linkages and synergies with relevant global, national and local institutions and communities of practice.

Actions for Priority outcome 1: Sustainable industry

Actions	Timeframes			Status	Lead
	Near Term	Med Term	Long Term		
Investment certainty					
Release and implement the Marine Aquaculture Research Policy to support aquaculture research activities in Commonwealth waters.	●			Underway	NRE Tas
Update the Aquaculture pages on the NRE Tas website to include all relevant forms and guidance material related to the Salmon Plan pending development of a new Salmon Plan website (and related pages).	●			Underway	NRE Tas
Progress review of the <i>Living Marine Resources Management Act 1995</i> .		●		Underway	NRE Tas
Review the <i>Marine Farming Planning Act 1995</i> .		●		Yet to commence	NRE Tas
Work with the BE CRC and the Australian Government to identify new areas of Commonwealth waters for aquaculture research.		●		Yet to commence	NRE Tas
Work with the BE CRC to scope the development of a legislative framework for commercial aquaculture in Commonwealth waters, regulated by the State.		●		Yet to commence	NRE Tas
Scope a government-led planning process for south-eastern Tasmanian state waters for future finfish farming opportunities.		●		Yet to commence	NRE Tas
Progress statutory planning processes for relevant Marine Farming Development Plans across the state to remove finfish farming from zones where the area is not subject to an existing marine farming lease.		●		Yet to commence	NRE Tas
Innovation partnership					
Participate in the Marine Bio-products CRC partnership.		●		Underway	NRE Tas
Work with research providers and industry on strategies to further reduce greenhouse gas emissions and build resilience to a changing climate.			●	Yet to commence	RECFIT
Participate in the BE CRC partnership and particularly projects and forums that have direct relevance to the Salmon Plan.				Ongoing	NRE Tas
Provide support for the Tasmanian Salmon Health Surveillance Program partnership.				Ongoing	NRE Tas
Provide support for Centre for Aquatic Animal Health and Vaccines to develop new diagnostic tests and develop and test new vaccines.				Ongoing	NRE Tas
Provide support for National AQUAPLAN implementation as it relates to salmonid farming, particularly with regards to diagnostic capability, emergency preparedness and access to veterinary medicines.				Ongoing	NRE Tas

Actions	Timeframes			Status	Lead
	Near Term	Med Term	Long Term		
Integrated planning					
Support the national BE CRC led Marine Spatial Planning Project to underpin future offshore development planning at the national scale.	●			Underway	NRE Tas
Develop: (1) the Tasmanian Aquaculture Development Strategy to guide broader sea use policy and (2) sectoral plans for key and emerging aquaculture industries (e.g. seaweed).		●		Underway	NRE Tas
Progress the implementation of the Rural Water Use Strategy and associated Implementation Plan to enable a more holistic and broad scale approach to understand trends and drivers for river health and water quality.			●	Underway	NRE Tas
Continue to progress the development of the Tasmanian Marine Atlas in partnership with IMAS and FRDC.	Ongoing				NRE Tas
Diverse and skilled workforce					
Work with the seafood industry, including Salmon Tasmania, to develop an Industry Compact for workforce development.	●			Underway	State Growth
Market security					
Continue to explore ways to align salmon farming to the Tasmanian brand where appropriate.	Ongoing				Brand Tas
Local supply chain					
Work with TSIC to further develop the Tasmanian Ocean Business Incubator (TOBI) proposal to assess how this may support small to medium business to innovate and add value in the aquaculture sector.		●		Underway	NRE Tas

Actions for Priority outcome 2: Healthy ecosystems

Actions	Timeframes			Status	Lead
	Near Term	Med Term	Long Term		
Responsible industry					
Support industry to develop improved organics processing of waste in partnership with the Waste and Resource Recovery Board's Waste Strategy.		●		Yet to commence	NRE Tas
Support initiatives for new manufacturing opportunities to re-use marine finfish farming waste products through mechanisms including the Waste and Resource Recovery Board.		●		Yet to commence	NRE Tas
Work with industry and the community to develop a Good Neighbour Charter.		●		Yet to commence	NRE Tas
Science-based decisions					
Develop and support collaborative implementation of the Maugean Skate Conservation Action Plan to guide conservation and management action for this species.	●			Underway	NRE Tas
Evaluate the potential for the Derwent Estuary Program and the Tamar Estuary Esk Rivers Program to undertake targeted monitoring programs that may contribute to understanding the regional effects of salmon aquaculture.		●		Yet to commence	NRE Tas
Support the ongoing use and function of environmental modelling tools including the Storm Bay and Macquarie Harbour biogeochemical models and associated decision support tools.			Ongoing		NRE Tas/ EPA
Support IMAS (SMRCA) capability to provide science advice to inform planning, operational and environmental management.			Ongoing		NRE Tas
Government standards and regulations					
Finalise the Environmental Standards for Marine Finfish Farming.	●			Underway	NRE Tas
Develop Technical Standards to enable implementation of Environmental Standards for Marine Finfish Farming.	●			Underway	EPA
Finalise the Standardised Marine Farming Management Controls.	●			Underway	NRE Tas
Update the Seal Management Framework and Minimum Requirements.	●			Underway	NRE Tas
Develop Wildlife Interaction Standards.	●			Yet to commence	NRE Tas
Develop Environmental Standards for Freshwater Finfish Farming and establish a framework to support the transition of existing flow through hatchery systems to recirculating aquaculture systems over a certain size.	●			Yet to commence	NRE Tas
Develop Technical Standards to enable implementation of Environmental Standards for Freshwater Finfish Farming.	●			Yet to commence	EPA
Review and update the Marine Farming Debris Zero Tolerance Compliance Policy including communications and notifications processes related to marine farming debris.	●			Yet to commence	NRE Tas

Actions	Timeframes			Status	Lead
	Near Term	Med Term	Long Term		
Climate change adaptation					
Support CSIRO's Aquaculture Climate change handbook project to understand the risks climate change presents to aquaculture.	●			Underway	NRE Tas
Work with industry, CSIRO, RECFIT, FRDC and other agencies on climate adaptation options for salmon aquaculture.		●		Yet to commence	NRE Tas
Work with the BE CRC, IMAS, FRDC and other research entities to better understand the carbon footprint of salmon aquaculture and to assess the potential for sequestration, offsets and other blue carbon initiatives to further decarbonise salmon aquaculture.		●		Yet to commence	NRE Tas
Responsive management					
Finalise the Fish Escape Contingency Plan.	●			Underway	NRE Tas
Update the protocols for salmon industry engagement in marine emergencies (e.g. oil spills, whale stranding, disease outbreaks, etc) and implement joint training programs to ensure response readiness.	●			Underway	NRE Tas/ EPA
Provide advice and guidance to address wildlife interactions in line with the Seal Management Framework and Minimum Requirements.	Ongoing				NRE Tas

Actions for Priority outcome 3: Prosperous communities

Actions	Timeframes			Status	Lead
	Near Term	Med Term	Long Term		
Meaningful jobs					
Work with local advisory boards, through the Regional Job Hub network, to identify and respond to emerging employment opportunities in the sector and how education and training services can help address labour shortages.		○		Yet to commence	State Growth
Continue to deliver accredited training programs through Skills Tasmania and to develop new programs as new needs are identified.	Ongoing				State Growth
Regional economic stimulus					
As part of the development of a new Tasmanian population strategy, look at identifying priority policy and actions to improve liveability in regional areas to attract and retain the targeted cohorts of skilled migrants and their families.		○		Yet to commence	State Growth
Undertake analysis of infrastructure development including headworks and shore-based facilities and ongoing maintenance needs.		○		Yet to commence	NRE Tas
Work with IMAS to better understand the economic effects of salmon production in regional centres and options, and with the BE CRC and IMAS on ways to add value to salmon production in regional areas.		○		Yet to commence	NRE Tas
Aboriginal enterprises and stewardship					
Assess opportunities for Aboriginal enterprise development and engagement in salmon aquaculture in consultation with the Aboriginal Land Council of Tasmania, Indigenous Land and Sea Corporation and other bodies as required.		○		Yet to commence	NRE Tas
Leveraging benefits					
Support supply chain businesses looking to develop or expand their goods and services into export market through the Tasmanian Trade Strategy 2019-2025 initiatives.		○		Underway	State Growth
Value capture					
Implement full cost recovery from the salmon aquaculture industry for relevant government services from 1 July 2023.	○			Underway	NRE Tas
Consult on an appropriate return from the salmon aquaculture industry to the Tasmanian community.	○			Yet to commence	NRE Tas

Actions for Priority outcome 4: Contemporary governance

Actions	Timeframes			Status	Lead
	Near Term	Med Term	Long Term		
Process and performance transparency					
Review the Salmon Farming Data Portal to: <ul style="list-style-type: none"> expand the information available, including public reporting aligned to implementing the new aquaculture standards as they are enacted; determine the most appropriate arrangement for managing the portal going forward including platform costs and hosting organisation(s); and undertake relevant international comparison of publicly available marine farming information in other jurisdictions and progress relevant recommendations. 	●			Yet to commence	NRE Tas
Support industry to establish zone biosecurity plans in accordance with Tasmanian Salmonid Biosecurity Program.	●			Yet to commence	NRE Tas
Facilitate timely access to permits and relevant seal management operational supplies and advice, in line with the Seal Management Framework and Minimum Requirements.			Ongoing		NRE Tas
Establish and support the Salmon Industry Working Group Community Engagement Forums and their associated communications.			Ongoing		NRE Tas
Establish and support the Salmon Coordination Committee.			Ongoing		NRE Tas
Independent science					
Ensure that IMAS has the capacity to work as an independent science partner with the Tasmanian Government over the long-term through the SMRCA.			Ongoing		NRE Tas
Enforcement and compliance					
Finalise the review of EPA compliance and enforcement policy.	●			Underway	EPA
Finalise the EPA audit framework for finfish farming.	●			Underway	EPA
Finalise incorporation of biomass and/or dissolved nitrogen output limits into all Environmental Licences for marine and inland finfish farms. Freshwater fish farms will have effluent quality limits (including nutrients) imposed through their Environmental Licence. A decommissioning requirement will be included in all Environmental Licences for marine farming.	●			Underway	EPA
Commence implementation of the Wildlife Interaction Standards when it is finalised.	●			Yet to commence	NRE Tas/ EPA
Commence implementation of the Environmental Standards for Marine Finfish Farming and associated Technical Standards when finalised.	●			Yet to commence	EPA

Actions	Timeframes			Status	Lead
	Near Term	Med Term	Long Term		
Enforcement and compliance (continued)					
Commence implementation of the Environmental Standards for Freshwater Finfish Farming and associated Technical Standards when finalised.	●			Yet to commence	EPA
Review the penalties and compliance frameworks under the <i>Environmental Management and Pollution Control Act 1994</i> , the <i>Marine Farming Planning Act 1995</i> and the <i>Living Marine Resources Management Act 1995</i> .	●			Yet to commence	NRE Tas
Scope the establishment of an online licensing system for salmon businesses.		●		Yet to commence	NRE Tas
Maintain the current EPA complaint hotline and associated notification management system.	Ongoing				EPA
Continue ongoing aquaculture compliance activities relating to marine debris and farm equipment.	Ongoing				NRE Tas
Undertake compliance and enforcement activities in line with the implementation of the Seal Management Framework and Minimum Requirements until it is superseded with the new Wildlife Interaction Standards.	Ongoing				NRE Tas
Implement the Salmonid Biosecurity Program, including providing ongoing support for industry auditing requirements.	Ongoing				NRE Tas
Community outreach					
Support IMAS Literature Review and Advice Note series being developed under the SMRCA and make results accessible through a new Salmon Science Gateway.	●			Underway	NRE Tas
Review and update the Salmon Plan website and related pages of other Tasmanian Government websites to improve marine literacy, particularly as it relates to public understanding of salmon management and regulation.	●			Underway	NRE Tas
Evaluate options for facilitating community and local government awareness of finfish (broader aquaculture) science and management, including a baseline assessment of current levels of awareness and preferred options for improved access to information.	●			Yet to commence	NRE Tas
Design and implement a new Tasmanian Salmon Science gateway, in collaboration with research organisations, that serves as a more “lay-user” friendly mechanism to access salmon and related research publications by all producers (including presentations, technical reports, journal papers, etc.); priority will be given to publications dealing with Tasmanian salmon aquaculture, but may include relevant global publications.		●		Yet to commence	NRE Tas
Further expand aquaculture science communication and extension activities and with relevant extension and knowledge broking organisations in Tasmania (e.g. CMS, IMAS and NRM), nationally (e.g. FRDC, CSIRO) and globally (e.g. through industry networks and government and research organisations).	Ongoing				NRE Tas

Actions	Timeframes			Status	Lead
	Near Term	Med Term	Long Term		
Strategic linkages					
Formalise and participate in the Joint Salmonid Industry Health Group as part of implementing the Tasmanian Salmonid Biosecurity Program.	●			Underway	NRE Tas
Expand engagement with Natural Resource Management groups in Tasmania (NRM South, NRM North and Cradle Coast NRM) to promote stewardship, citizen science and public education collaborations with salmon aquaculture.	●			Underway	NRE Tas
Establish a Director Aquaculture position in NRE Tas.	●			Yet to commence	NRE Tas
Maintain active participation in Research Advisory Committee(s) led by the FRDC and ensure there is an annual and decadal outline of agreed research priorities covering all relevant disciplines.	Ongoing				NRE Tas
Maintain active participation on the National Aquaculture Committee of the Australian Fisheries Managers Forum (AFMF), in the National Fisheries Plan and in emerging new national oceans initiatives that may interact with aquaculture management.	Ongoing				NRE Tas
Engage with the Animal Welfare Advisory Committee under the <i>Animal Welfare Act 1993</i> .	Ongoing				NRE Tas
Maintain active participation in the Blue Economy CRC and any emerging CRCs that have relevance to salmon aquaculture research and development in Tasmania.	Ongoing				NRE Tas
Maintain links to industry associations and peak bodies who interact with Tasmanian Aquaculture, specifically Salmon Tasmania, the SIA, the TSIC and TARFish.	Ongoing				NRE Tas

Aquaculture legislation index

Salmon farming is managed under the Resource Management and Planning System (RMPS), established in 1994. The RMPS is an integrated system that aims to achieve sustainable outcomes from the use and development of the state's natural and physical resources.

Legislation	Freshwater	Marine
<i>Agriculture and Veterinary Chemicals (Control of Use) Act 1995</i>	Regulation of handling, use and application of veterinary chemicals to ensure human, environmental and animal health.	
<i>Animal Health Act 1995</i>	Regulation of matters relating to animal disease.	
<i>Animal Welfare Act 1993</i>	Regulation of the welfare of farmed animals and of interactions between humans and wildlife.	
<i>Biosecurity Act 2019</i>	Regulation of biosecurity relating to salmon.	
<i>Biosecurity (Salmonid Biosecurity Zones) Regulations 2022</i>	Applies to all salmonid production, from egg production through to grow-out, harvesting and processing, and regulate processing activities and waste disposal.	
<i>Crown Lands Act 1976</i>	Allocation and administration of Crown leases and licences.	
<i>Environmental Management and Pollution Control Act 1994</i>	Environmental management of salmon farming, as well as other environmentally relevant activities that interact with the environment.	
<i>Inland Fisheries Act 1995</i>	Regulation of land-based hatcheries, nurseries and farms (finfish).	Not applicable
<i>Land Use Planning and Approvals Act 1993</i>	Planning permission for inland fish farms.	Planning permission for shore bases and utility sites.
<i>Living Marine Resources Management Act 1995</i>	Not applicable	<ul style="list-style-type: none"> Licensing of marine farms, whether in sea or on land. Development of marine farming; and Scientific Research.
<i>Marine Farming Planning Act 1995</i>	Not applicable	<ul style="list-style-type: none"> Planning and zoning of marine farms, controls on use and development. Allocation and administration of marine farming leases. Compliance and penalties.
<i>Nature Conservation Act 2002</i>	Regulation of interactions with wildlife.	
<i>Primary Produce Safety Act 2011</i>	Complements the <i>Food Act 2003</i> to achieve consistent regulatory framework for food safety covering the whole food chain.	
<i>State Policies and Projects Act 1993</i>	<i>State Policy on Water Quality Management 1997</i>	<ul style="list-style-type: none"> <i>State Policy on Water Quality Management 1997</i> <i>State Coastal Policy 1996</i>
<i>Threatened Species Protection Act 1995</i>	Management and protection of threatened plant and animal species at risk of extinction.	
<i>Water Management Act 1999</i>	Management and allocation of surface and groundwater (freshwater) resources.	Not applicable

Linking national and state policies

Linking documents	Priority outcome 1: Sustainable industry	Priority outcome 2: Healthy ecosystems	Priority outcome 3: Prosperous communities	Priority outcome 4: Contemporary governance
National				
Australia – State of the Environment Report 2021		●		
AQUAPLAN 2022-2027	●	●		
National Aquaculture Strategy 2017 – 2027	●			
National Fisheries Plan 2022 – 2030	●			
National Strategy for Ecological Sustainable Development	●	●		●
Threatened Species Action Plan 2022-2032		●		
State				
Advanced Manufacturing Action Plan 2024	●		●	
Business Development Strategy (<i>future</i>)	●		●	
Competitiveness of Tasmanian Agriculture for 2050 White Paper	●	●		
Draft Biovision for Tasmania (December 2021)	●	●		
Draft Climate Change Action Plan 2023-25	●	●		
Draft Tasmanian Waste and Resource Recovery Strategy 2022-2025	●	●		
Draft Waste Action Plan (Consultation Draft June 2019)	●	●		
Guide to Environmental Impact Assessment conducted by the EPA Board (March 2019)		●		●
NRE Tas Generic Environmental Impact Statement Guidelines (Finfish) (2022)		●		●
NRE Tas Strategic Plan 2022-2027	●	●	●	●
Premier’s Economic and Social Recovery Advisory Council report	●		●	
Rural Water Use Strategy (March 2021)		●		
Seal Management Framework 2018		●		●
Surface Water Allocation Decision Framework (Amended 2020)		●		●
Tasmanian aquaculture standards (existing and future) (biosecurity, wildlife interaction, management controls, freshwater and marine environment)		●		●
Tasmanian Child and Youth Wellbeing Strategy			●	
Tasmanian Population Strategy (<i>future</i>)			●	
Tasmanian State Coastal Policy 1996		●		●
Tasmanian State Water Quality Management Policy 1997		●		●
Trade Strategy 2019-2025	●		●	

National

There are a range of national policies that direct and support the development of the aquaculture sector. They include the *Sustainable Oceans and Coasts National Strategy 2021-2025*, *National Marine Science Plan 2015-2025*, and the Department of Agriculture, Water and the Environment's current priority to deliver a *Sustainable Ocean Plan by 2025*. Outlined below are some of the key national policies that inform the objectives for the aquaculture sector in Tasmania.

- **Australia – State of the Environment 2021 Report** – an assessment of the changing condition of the natural environment across 12 themes designed to help shape strategy, policy and action; influence behaviours of individuals, communities and businesses; and assist in assessing our actions as stewards of the Australian environment.
- **AQUAPLAN – Australia's National Strategic Plan for Aquatic Animal Health** - outlines the strategic vision and guides investment to strengthen the national aquatic animal health system.
- **National Aquaculture Strategy 2017 – 2027** – sets out how Australia will achieve the goal to double the current value of the Australian aquaculture industry to \$2 billion a year by 2027.
- **National Fisheries Plan 2022 – 2030** - delivers a shared vision and strategic framework for Australian governments to drive sustainable growth of the Australian fishing, aquaculture, and seafood sectors.
- **National Strategy for Ecological Sustainable Development** – policy within which Australian Federal and State Governments have agreed that aquaculture development is to be implemented.
- **Threatened Species Action Plan 2022-2032** – maps a pathway to recovery for the nations' threatened wildlife, spanning terrestrial, marine and freshwater environments, and identifies critical action for the recovery of threatened species and ecological community and complements conservation measures under the *Commonwealth Environment Protection and Biodiversity Conservation Act 1999* and other government actions to combat the impacts of climate change.

State

There are Tasmanian state strategies, policies, plans and standards which support industry planning and development, and management and operation. These include:

- **Advanced Manufacturing Action Plan 2024** – provides a framework of actions that the Tasmanian Government will undertake to provide support to the state's advanced manufacturing sector to enable the industry to grow its capability and to become more successful and sustainable.
- **Competitiveness of Tasmanian Agriculture for 2050 White Paper (2020)** – sets out the Tasmanian Government's framework for continuing to foster a competitive agricultural sector and profitable farming enterprises.
- **Draft Biovision for Tasmania (December 2021)** – sets out the importance of bioenergy from a Tasmanian context, with a focus on creating an environment that unlocks investment to deliver against the key drivers of bioenergy adoption.
- **Draft Climate Change Action Plan 2023-25** – outlines the Government's plans for action on climate change for the next two years and support for Tasmania's transition to a low emissions economy to 2030.
- **Draft Tasmanian Waste and Resource Recovery Strategy 2022-2025** – identifies long-term and short-term objectives to divert products and materials from disposal at landfill facilities, maximise resource recovery, and improve waste management practices.
- **Draft Waste Action Plan (Consultation Draft June 2019)** – provides a framework for the discussion with local government, businesses and the community on the best way to address our waste and resource recovery challenges.
- **Guide to Environmental Impact Assessment conducted by the EPA Board (March 2019)** – provides information for proponents and other stakeholders on the environmental impact assessment process conducted by the Board of the Environment Protection Authority (the Board) under the *Environmental Management and Pollution Control Act 1994*.

- **NRE Tas Generic Environmental Impact Statement Guidelines (Finfish) (2022)** - provides general information on preparing an Environment Impact Statement (EIS) for a new marine farming planning proposal or an amendment to an existing Marine Farming Development Plan being assessed under the *Marine Farming Planning Act 1995*.
- **NRE Tas Strategic Plan 2022-2027** – sets out the Department's vision, purpose, how we work and strategic priorities, which includes enabling business and employment through sustainable growth of Tasmania's industries.
- **Premier's Economic and Social Recovery Advisory Council Report** – provides the overarching framework for government response to the challenges of recovering from the COVID 19 pandemic.
- **Resource Management and Planning System** – salmon farming is managed under Tasmania's Resource Management and Planning system, which is based on principles of sustainable development and aims to achieve sustainable outcomes for the use and development of the State's natural and physical resources.
- **Rural Water Use Strategy (March 2021)** – recognises that Tasmania's water management system needs to be informed by and respond to emerging trends and improve the security, quality, and resilience of our water resources over the long-term.
- **Seal Management Framework 2018** - describes the mechanisms, procedures, requirements and options for managing fur seal interactions with marine farming operations to minimise risks to farm workers and seal welfare.
- **Surface Water Allocation Decision Framework (Amended 2020)** – sets out volumetric, spatial and temporal parameters for surface water allocation in Tasmania.
- **Tasmanian Child and Youth Wellbeing Strategy** – Long term and whole of government strategy to improve the wellbeing of 0–25-year-olds.
- **Tasmanian State Coastal Policy 1996** – provides a framework to protect the natural and cultural values of the coast, provide for sustainable use and development of the coast, and promote shared responsibility for its integrated management and protection.
- **Tasmanian State Water Quality Management Policy 1997** – provides a framework for the development of ambient water quality objectives and the management and regulation of point and diffuse sources of emissions to surface waters (including coastal waters) and groundwater.
- **Trade Strategy 2019 – 2025** – sets a coordinated whole-of-government approach to work with business and partners to grow trade, both domestically and internationally. It sends a positive signal to the market and provides a consistent long-term framework for action.



