

Template

Proposal Content Document

Table 1: General proposal content description

Proposal title	Ocean Barramundi Expansion Project
Proponent name	Tassal Operations Pty Ltd
Short description	<p>Tassal propose to expand its barramundi farm operations to 7 sites spread across the Buccaneer Archipelago, in the Kimberley region.</p> <p>The proposed expansion will be staged over a 10-year period.</p>

Table 2: Proposal content elements

Proposal element	Location / description	Maximum extent, capacity or range
Physical elements		
Sea-cage Infrastructure Development Envelope: 7 separate aquaculture leases consisting of 84 cages (12 per lease area), each cluster with ~24 anchorages	Figure 1, 2	<p>Direct disturbance of 0.03 ha within the Sea Cage Development Envelope due to placement of anchors.</p> <p>Development envelope (total extent of proposed leases) within which temporary disturbance of benthic environment via indirect effects is expected – 817 ha</p>
Operational elements		
Sea-cage fish production	Figure 1, 2	<p>Potential maximum standing biomasses of ~4500 tonnes per lease (consisting of 7 separate leases).</p> <p>Expected maximum total annual production/standing biomass of 17,500 tonnes across all 7 leases once they are fully operational.</p>
Proposal elements with greenhouse gas emissions		
Construction elements:		
Construction vessel usage – 53 tCO ₂ -e total	Scope 1	
None	Scope 2	
None	Scope 3	

Operation elements:		
Operational vessel usage per farm – 859 tCO2-e annual total and 6,012 tCOe across 7 farms	Scope 1	
None	Scope 2	
None	Scope 3	
Rehabilitation		
NA		
Commissioning		
NA		
Decommissioning		
Removal and dismantling of all sea-cages, anchorages and vessels if aquaculture operations are discontinued. Decommissioning of aquaculture sites, if not undertaken by the lease holder, is completed by DPIRD, with any costs incurred recouped through legal means if necessary (pursuant to the relevant provisions of the Fisheries Resources Management Act (FRMA) and the Fish Resources Management Regulations 1995 (FRMR)).		
Other elements which affect extent of effects on the environment		
Proposal time*	Maximum project life	>42 years (each lease is continued as long as the proponent complies with the licence and lease conditions)
	Construction phase	Total 10-year construction timeline.
	Operations phase	>42 years (each lease is continued if the proponent complies with the licence and lease conditions)
	Decommissioning phase	~6 months if operations are discontinued

* Proponents should only provide realistic timeframes to avoid unnecessary change to proposal applications at referral (section 38C), assessment (section 43A) or post assessment (section 45C).

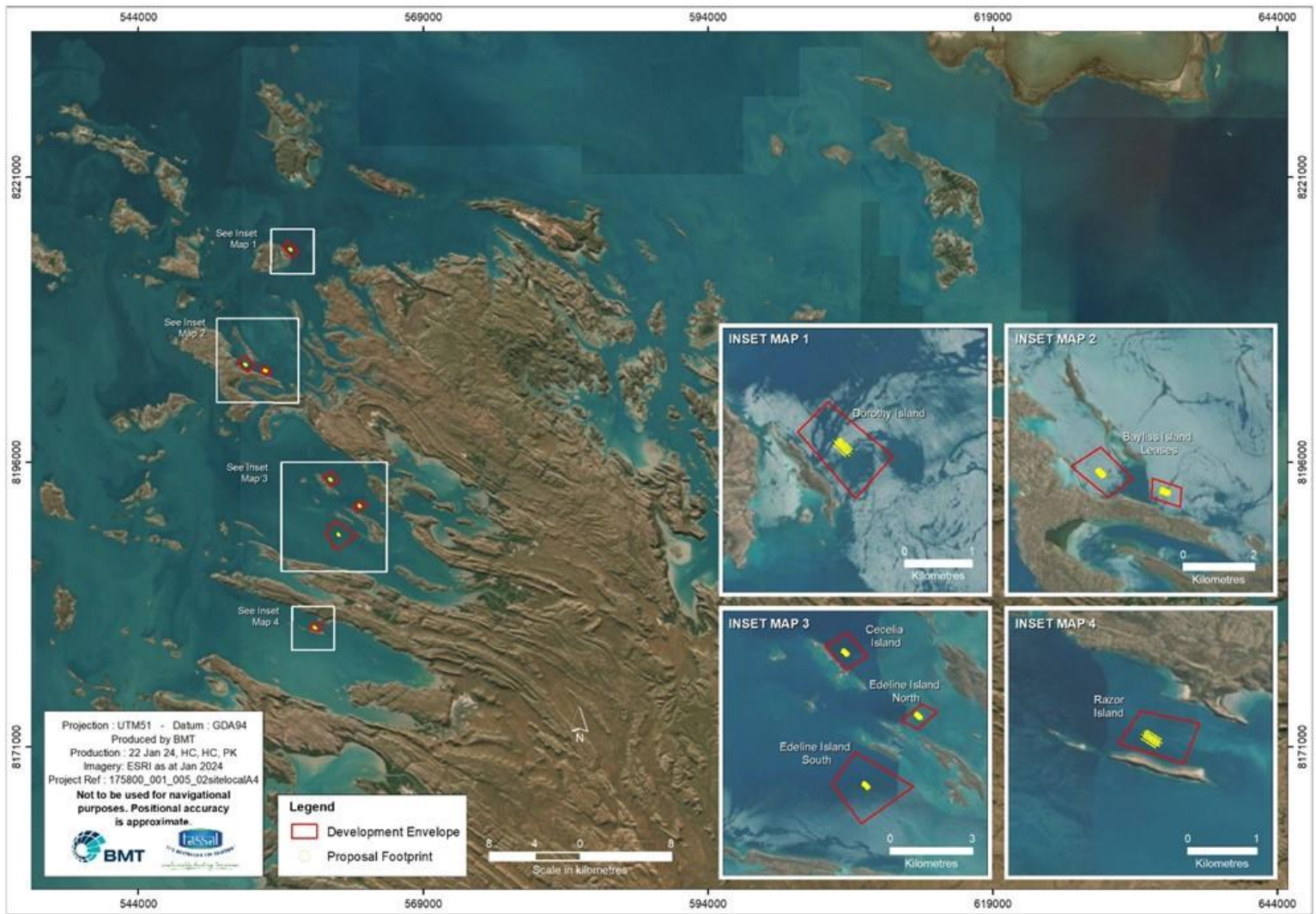
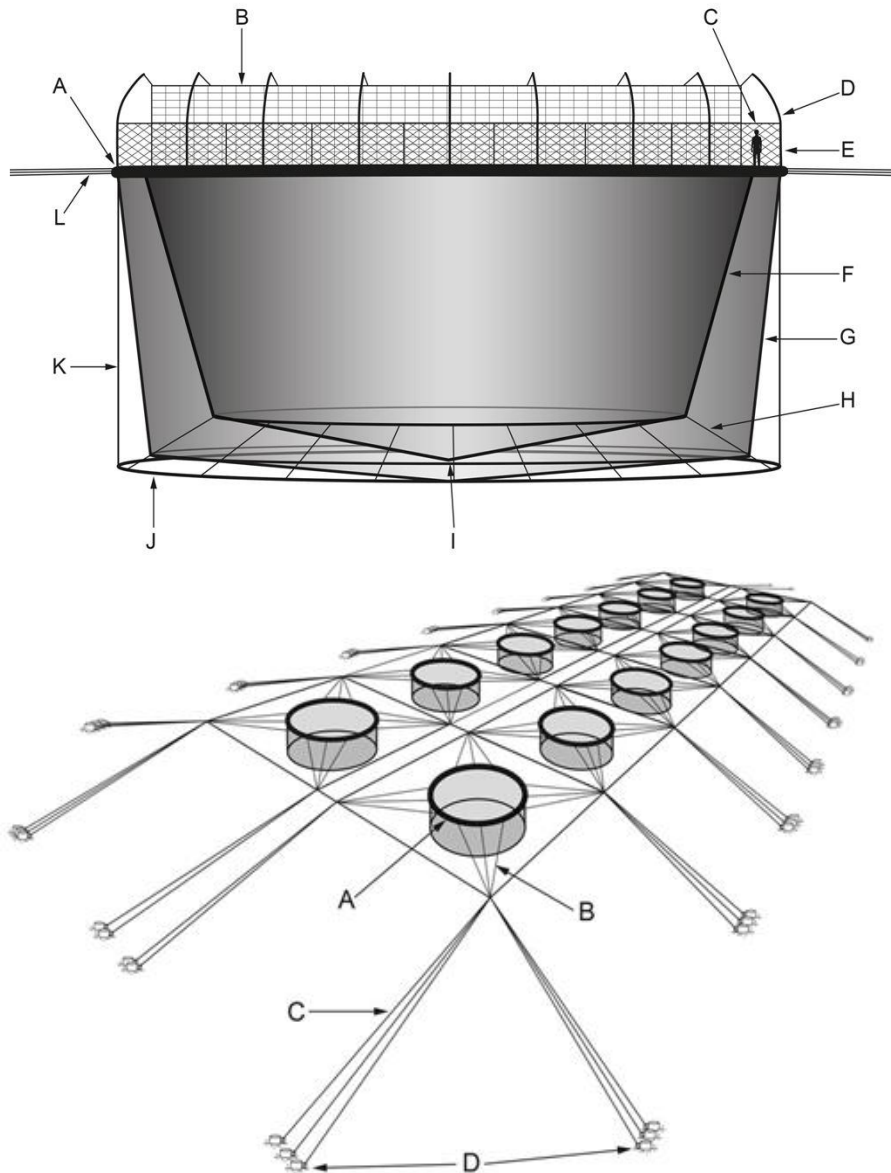


Figure 1 Proposed development envelope/footprint of the 7 leases



Notes:

1. Upper Panel: All nets and mesh are durable and high tensile: A – Floating collar to suspends nets; B – Taut overhead net to prevent seabird access to stock and feed; C – High exclusion barrier to prevent wildlife from accessing the walkway; D – Long flexible net-poles to support, suspend and maintain tension of the overhead seabird-exclusion nets several metres above the water; E – Stanchions (posts) to support the sea lion-exclusion barrier; F – Stock containment net (fully enclosed); a component of the double net system; G – Marine-predator exclusion net (fully enclosed); a component of the double net system; H – Net-baseline rope to link nets to the sinker tube; I – False net-bottom, created by the double net system, to keep stock separated from marine predators; J – Sinker tube, suspended from the nets, to maintain tension and support the structure of the nets; K – Weight line to facilitate lifting the sinker tube and bottom of the nets; L -Mooring lines, connected to the anchoring system, to hold the sea-cage in position.
2. Lower Panel: All lines and cables are durable, high tensile and appropriate for an anchoring system designed to withstand extreme loads: A – Sea cage; B – Mooring lines; C – Anchor cables; D – Low profile mooring-anchors

Figure 2 Indicative sea-cage engineering (upper), configuration and anchoring (lower)