

## Synthesis Topic Brief

Title	<b>SYNTHESIS OF TASMAN AND GOLDEN BAYS PHASE 1 RESEARCH – STAGE 1</b>
Brief outline of work to be undertaken	<p>A significant amount of Phase 1 research was carried out in Tasman and Golden Bays within the Te Tau Ihu region. To meet the Challenge objective, we must maximise accessibility and use of the knowledge generated.</p> <p>Phase 1 research and aligned data and findings will be collated in a publicly available overview. This collation of regional data and research findings will provide a basis for targeted engagements with stakeholders and iwi to identify their specific needs for implementing EBM in the near and medium term and help guide development of a synthesis output(s).</p> <p>We propose a 2-stage approach. The work proposed for the first stage (this brief) includes:</p> <ul style="list-style-type: none"> <li>• <b>collation</b> of datasets and research findings from Phase 1 into a high-level summary document (incl. tables, metadata) guiding readers through the breadth and quality of evidence and research findings of relevance to TBGB. This component will include aligning efforts with wider communication of Phase 1 outputs with Comms team.</li> <li>• <b>targeted engagement</b> with key stakeholders and iwi to assist in shaping content / format of the collation exercise, and, based on knowledge that has been generated, guide further synthesis research and outputs that contribute toward enabling EBM.</li> </ul> <p>Following the above, we will identify a project team and develop a project proposal to connect Phase 1 research with iwi and stakeholder needs for EBM knowledge. Examples might include collating and disseminating knowledge through the Waka Taurua Framework and / or extending and adapting Phase 1 tools and datasets (e.g. System Mapping, SeaSketch, BayesNet tools) for uptake and use by stakeholders and iwi in decision making. The project will include elements of capacity building through active stakeholder and iwi participation / involvement in the project.</p>
Relevance to Challenge Objective	The project will have direct relevance to the Challenge objective, as it will enhance specific EBM capacities in TBGB by connecting Phase 1 research to future implementation and action.
Contributes to which Theory of Change Outputs and Outcomes	Collation and engagement component in Stage 1 will contribute to many ToC outcomes. We're unable to identify specific ones that Stage 2 will contribute toward until the project focus is identified.
Building on which Phase 1 projects	<p>Stage 1 of the synthesis project will involve collating outputs and key information from Phase 1 projects that included work in the TBGB area. These include:</p> <ul style="list-style-type: none"> <li>• Outputs from case study area workshops</li> <li>• Atlantis Ecosystem Model outputs</li> <li>• Spatially Explicit Decision Support tools</li> <li>• BayesNet Decision support tool – Developed around seabed health</li> <li>• Key learnings from valuation frameworks and social license to operate research</li> <li>• 'Tipping Points' experiment- Waimea Inlet and Delaware Bay sites</li> <li>• Methods to support Scenario Evaluation / Decision Analysis (Risk &amp; Uncertainty)</li> <li>• Hydrodynamic modelling – particle tracking / connectivity (plastic tracker)</li> <li>• Key learnings from the He Pou Tokomanawa: kaitiakitanga in practice in our marine environment</li> <li>• Innovation Fund projects – e.g. Sediment coring project, bacterial forecasting</li> <li>• CP2.1 outputs incl. Systems Mapping and SeaSketch</li> </ul>

Team needed to produce	Role	Name	Organisation
	Synthesis oversight/CLT linkage	Chris C	Cawthron
	Lead	Emma Newcombe	Cawthron
	Assistance with collating biophysical data, spatial datasets	Dana Briscoe, Dana Clark, Anna Berthelsen	NIWA / Cawthron
	Collation of key knowledge from social science, assistance with stakeholder and iwi engagement	Marc Tadaki, Charlotte Šunde	Cawthron
<b>Māori and stakeholders</b>	Phase 1 research involved considerable stakeholder engagement, and there is a large amount of available knowledge generated around identifying issues of interest, values, future management scenarios, etc. through workshops and other forms of engagement. For Stage 1 we will review the material available from such efforts to ensure further engagement does not overlap with past input from iwi and councils, and to ensure that knowledge that has already been gathered is most effectively used. Further Stage 1 targeted engagement will be with a subset of stakeholders (Councils, MPI, industry) and iwi representatives that were engaged in Phase 1. This will identify the most usable synthesis output(s). The team that will then be formed to produce the synthesis output is expected to include or work closely with stakeholder practitioners and iwi participants.		
<b>Duration</b>	Stage 1: 23 Sept to 30 Nov Stage 2: 1 Jan – 30 June 2020 (proposal for this work late Nov / early Dec)		