

OBPS ENDORSEMENT REVIEW RECOMMENDATION SUMMARY

This is a summary of reviewers assessment of whether the endorsement application has followed the [OBPS endorsement process](#). The applicant is responsible for assessment of the technical content of the method proposed for endorsement.

Practice being submitted for OBPS Endorsement

Przeslawski, R. and Foster, S. [eds] (2024). *Field Manuals for Marine Sampling to Monitor Australian Waters, Version 3*. Canberra, Australia, National Environment Science Program (NESP), Marine and Coastal Hub. DOI: <https://doi.org/10.25607/OBP-918.2>

Section 1 Endorsement Entity Description	Entity Input	Review compliance decision (Yes or No)		
		Rev1	Rev2	Rev3
<i>Entity name</i>	NESP Marine and Coastal Hub	Yes	Yes	Yes
<i>Mission & background</i>	The Hub aims to support, develop, and lead research projects to enhance the environmental, cultural, social, and economic benefits derived from Australia's marine and coastal assets by delivering knowledge and methods across six research themes. Further information: www.nespmarinecoastal.edu.au	Yes	Yes	Yes
<i>Administration / funding source</i>	Australian Commonwealth Department of Climate Change Environment Energy and Water (DCCEEW)	Yes	Yes	Yes

<i>Other partnering / supporting entities for practice</i>	28 research partners, listed here: https://www.nespmarinecoastal.edu.au/about/research-partners/	Yes	Yes	Yes
Section 2 Statement by Entity	Entity input	Review compliance decision (Yes or No)		
		Rev1	Rev2	Rev3
<i>1) qualifications to endorse a practice</i>	The NESP Marine and Coastal Hub is a research consortium of 28 universities and government agencies, supported by the Australian Government from 2020 to 2026.	Yes	Yes	Yes
<i>2) justification for the endorsement of the practice</i>	The suite which NESP is seeking endorsement is widely adopted throughout Australia and internationally as best practices for marine monitoring. For detailed information about the impact and uptake of these practices, please see final report appended to this submission	Yes	unsure	Yes
<i>3) the process used to develop the practice</i>	The process used to develop the suite of practices is described in Przeslawski et al 2023 and follows that recommended by the OBPS. Ultimately three versions of the suite of practices were released, but not all practices were revised in each release, as shown in the figure below. Further details on the development process can be found at https://introduction-field-manual.github.io/development	Yes	Yes	Yes
<i>4) the review process that was used to prepare the endorsement recommendation.</i>	The leader of NESP Project 2.2 (Rachel Przeslawski) prepared this endorsement recommendation with existing input from the project team and support from the NESP Director (Alan Jordan)	Yes	Yes	Yes

Section 3 Endorsement Documentation	Entity input	Review compliance decision (Yes or No)		
		Rev1	Rev2	Rev3
<i>Date submitted for endorsement acceptance: YYYY-MON-DA Y</i>	3 November 2024	Yes	Yes	Yes
<i>Endorsed Practice document citation</i>				
<i>Creators (all)</i>	<p>Project leaders: Rachel Przeslawski, Scott Foster, Tim Langlois, Jacquomo Monk, Brooke Gibbons</p> <p>Full list of collaborators for each practice: https://introduction-field-manual.github.io/collaborators</p>	Yes	Yes	Yes
<i>Year</i>	2024	Yes	Yes	Yes
<i>Title</i>	<p><u>Entire Suite of Practices:</u> <i>Field Manuals for Marine Sampling to Monitor Australian Waters, Version 3.</i></p> <p><u>Individual Practices:</u> Survey Design Multibeam* Autonomous Underwater Vehicles Benthic Baited Remote Underwater Video** Pelagic Baited Remote Underwater Video Towed Imagery Sleds and Trawls Grabs and Box Corers Remotely Operated Vehicles Benthic Observation Stereo System*** Knowledge Attitude Practice Surveys*** Microplastics***</p> <p><i>*this practice will be also be submitted for</i></p>	Yes	Yes	Yes

	<p><i>endorsement through AusSeabed</i></p> <p><i>** this practice has received GOOS endorsement as Version 2 of benthic BRUV only. Version 3 only yielded minor changes</i></p> <p><i>*** These three practices are new to Version 3 and are at an earlier maturity level. They will be evaluated for endorsement at a later date</i></p>			
<i>Publisher or Journal Ref</i>	NESP Marine and Coastal Hub	Yes	Yes	Yes
<i>Number of Pages</i>				
<i>Persistent identifier - eg. DOI, URI</i>	https://doi.org/10.25607/OBP-918.2	Yes	Yes	Yes
<i>Version Number (if applicable)</i>	Version 3	Yes	Yes	Yes
Section 4 Endorsement process and justification	Entity input	Review compliance decision (Yes or No)		
		Rev1	Rev2	Rev3
<p><i>1. have completed a rigorous and transparent community review whereby comments received are adjudicated by the author(s) and the dialogue is</i></p>	<p>YES : For each practice, external reviewers provided thorough reviews which were actioned by the lead author if straightforward, and the entire working group if more complex.</p> <p>For versions 1 and 2, input to each practice was broadly invited through the Australian Marine Sciences Association, Australian Coral Reef Society and to stakeholders and potential users through several online questionnaires and workshops.</p>	Yes	Yes	Yes

<i>available upon request; community review includes invitations to relevant experts/organizations to participate in deliberations</i>	<p>See appended workshop report for the most recent community review to inform Version 3, as well as previous workshop reports below:</p> <p>Data discoverability and accessibility: report from 2018 workshops on marine imagery and biological specimen data</p> <p>Data Discoverability and Accessibility Report from July 2019 Workshop</p> <p>Enhancement, connectivity and interoperability of spatial portals report from 2018 workshop</p>			
<i>2. have been successfully used by multiple organizations</i>	<p>YES: All practices have been used by multiple institutions.</p> <p>The new practices developed in Version 3 (microplastics, KAP survey, benthic observation system) have been used by the co-authors' institutions, and we expect similar broader uptake over the next few months and years, similar to the practices developed in Version 1 and 2</p>	Yes	Yes	Yes
<i>3. be approved by the leadership of the relevant network, expert team or organization;</i>	<p>YES: The Director of the NESP Marine and Coastal Hub has approved these practices.</p> <p>Each practice has a lead author(s) and working group representing multiple institutions. These teams have also approved their respective practices</p>	Yes	Yes	Yes
<i>4. be shown as fit for the purposes it aims to fulfill;</i>	<p>YES: All practices were developed to facilitate consistent and fit-for-purpose marine monitoring so that data are comparable and collatable. They are regularly cited and recommended by several government entities as part of their permissioning</p>	Yes	Yes	Yes
<i>5. be available and identifiable within the</i>	YES	Yes	Yes	Yes

<i>OBPS repository</i>				
6. <i>be updated at relevant timeframes or have a maintenance plan for future updates;</i>	<p>YES: We have already undertaken two updates to the suite of best practices, with the release of Version 3 in 2024.</p> <p>Plans for future updates are described in the Project 2.2 Final Report</p>	Yes	Yes	Yes
7. <i>include description of estimating uncertainty or heterogeneity of a quantity (if applicable);</i>	YES: These are described as needed in the relevant practices, particularly survey design, image analysis, and multibeam	Yes	Yes	Yes
8. <i>follow recommendations for metadata standards and file formats for archiving in international data centers;</i>	<p>YES: Each field manual has a section called 'Data Release' which describes meta data needs to facilitate inclusion in supported data portals (e.g. OBIS, Global Archive, AODN).</p> <p>All practices abide by principles described in the Introductory section 'Data discoverability and accessibility'</p>	Yes	Yes	Yes
<i>Additional references</i>	<p>Webpage for NESP best practices https://marine-sampling-field-manual.github.io/</p> <p>Journal articles: A Suite of Field Manuals for Marine Sampling to Monitor Australian Waters</p> <p>Developing an ocean best practice: A case study of marine sampling practices from Australia</p> <p>Project 2.2 Final Report Project 2.2 workshop report</p>			

Reviewers Individual Decisions	Rev1 - YES	Rev2 - YES	Rev3 - YES
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Endorsement Group Decision: (select the appropriate)

Recommended for Endorsement

Decision Date.....25 March 2025

Applicant Informed Date ... 14 April 2025