



2 SCOPE AND FRAMEWORK

The scope of the MPCOOP is designed primarily to satisfy conditions 8 and 9 of Ministerial Statement 755 (Appendix A). Conditions 1 to 5 have also been addressed in this document. Appendix B presents the Water Corporation's interpretation of these conditions and references the relevant sections of this document.

This document addresses the environmental impacts that are likely to result from construction of the proposed ocean outlet and provides a set of mitigating measures that will minimise predicted impacts through management and monitoring. The methods that have been used to achieve these objectives have been derived through the formulation and implementation of an Environmental Impact Assessment and Monitoring/Management Plan (EIAMMP) framework.

2.1 EIAMMP Process

The EIAMMP process is an integrated, concept-based framework that uses a four-staged approach (Figure 2-1).

Stage 1 – Baseline Data Acquisition

Detailed baseline ecological, biophysical and geotechnical data is collected in addition to the proposed engineering methodology. This information has been collated as part of the submission of the initial Water Corporation PER document and provides the basis for the development of site-specific predicted impacts and management and monitoring of the proposed development.

Stage 2 – Impact Prediction

The metocean and biophysical data collected in Stage 1 is then used as inputs into modelling investigations undertaken as part of Stage 2. Modelling outputs assist in determining the extent of the proposed development disturbance footprint (both primary and secondary). Direct and indirect impacts are then identified through determining extent and magnitude of each of the modelled effect outputs. Ecological baseline data is then used to determine the level of impact by defining species tolerance and habitat types that are likely to be impacted by the modelled footprints.

Stage 3 – Impact Validation (Construction) and Monitoring

Once direct and indirect impacts have been defined, a set of management actions and monitoring regimes that will assist in minimising the effects of those predicted impacts on the environment during construction are developed. The environmental management and monitoring systems that will be used during construction have been developed using a tiered management action structure. A set of trigger levels have been developed based on modelling outputs and baseline data to define any change in the environment from baseline conditions. A set of management actions associated with the defined trigger levels are developed to ensure that any environmental impact is detected and mitigated.



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**MANAGEMENT PLAN FOR THE CONSTRUCTION AND ONGOING PRESENCE OF THE OCEAN
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Stage 4 – Impact Validation (Operation) and Monitoring

Monitoring and management actions developed during the validation of construction data will be reviewed and incorporated where applicable into operation data validations. Impacts associated with the operation of the pipeline are limited to only the operation of the pipeline itself and do not include impacts associated with the discharge at the outfall.

Framework stages 1 to 4 have been provided in sections 3 to 6 of this document.



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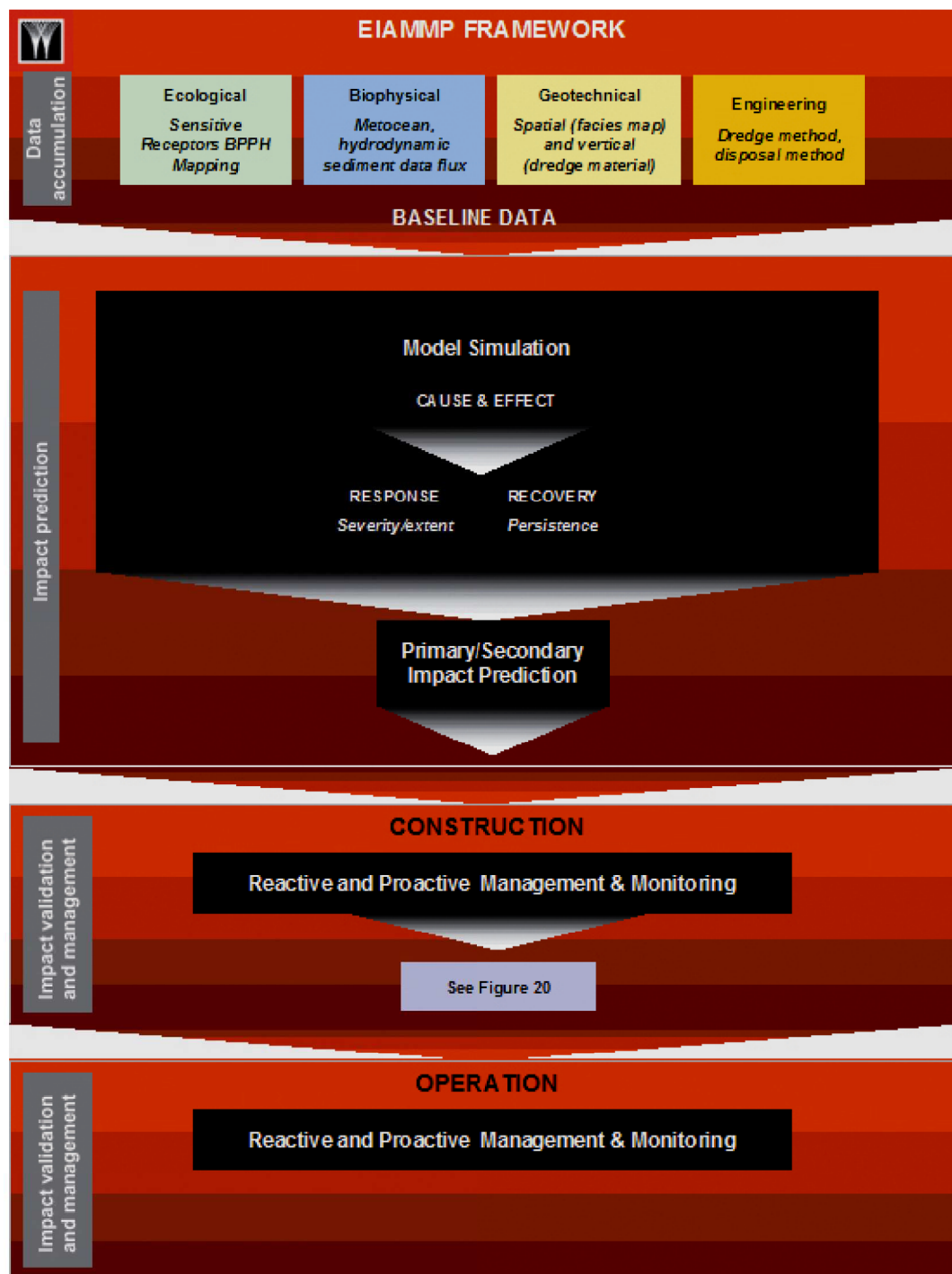


Figure 2-1: EIAMMP framework process