

This document is an attachment to the Goulburn Monitoring Evaluation and Research (MER) Plan and describes additional project services to be undertaken. Please visit [Monitoring, Evaluation and Research Plan - Goulburn River](#) to read the entire Goulburn MER Plan.

Visit [Monitoring, Evaluation and Research Program \(Flow-MER\)](#) to find out more about monitoring undertaken by the Commonwealth Environmental Water Office.

Note that all projects will comply with Covid-19 pandemic restrictions and may require changes to activity and timelines.

Schedule 6 –Work Order

Order

The parties have agreed in accordance with clause 7 the Agreement that the Provider will provide the Additional Project Services specified in this Work Order.

Goulburn MER Pelagic Metabolism Monitoring

Item	Description	Clause	Details
1.	Agreement description	N/A	Agreement for Additional Project Services in respect of Long-form Services Agreement Commonwealth Environmental Water Office: Monitoring, Evaluation and Research Services for the Goulburn River Selected Area – 18 March 2019
2.	Names of Parties to the Agreement	N/A	The Commonwealth of Australia as represented by the Department of Agriculture, Water and the Environment ABN 34 190 894 983 University of Melbourne ABN: 84 002 705 224
3.	Additional Project Start Date	1.1	On approval by CEWO of the Work Order
4.	Additional Project Timeframe	1.1	From the date of approval by CEWO of the Work Order to 30 June 2021
5.	Category of Services	7	Monitoring
6.	Additional Project Services	7	This work order is additional work to better understand the source of metabolic processes (primary production and respiration) in the lower Goulburn River. We will conduct field and laboratory work to measure pelagic (in the water column) production and respiration at three sites where we are conducting whole stream metabolism monitoring as part of the core program.

			<p>By comparing the two, we will be able to compute the proportion of metabolism that occurs on benthic (riverbed and hard substrates) surfaces versus the proportion that occurs in the water column, and how that proportion varies under different flow conditions.</p> <p>This comparison is important because it will tell us what proportion of organic carbon fixed through primary production will be available to invertebrates and other consumers in the Goulburn River, and what proportion is exported to the Murray River. With macroinvertebrate and therefore fish production in the Goulburn likely limited by food availability, this information will help inform flows planning and complementary management actions designed to improve production.</p> <p>This monitoring work will be conducted over the period Dec 2020 – March 2021 and is being undertaken as a student research project with Master of Engineering students from the University of Melbourne.</p> <p>Field procedures and a UoM risk assessment have been developed and the Standard Operating Procedures will be developed as part of the project.</p> <p>A detailed budget is provided in Attachment A.</p>
7.	Subcontractors	6.5	NA
8.	Progress meetings and reports	11	<p>Meetings</p> <ul style="list-style-type: none"> • Meetings of the team as necessary to plan monitoring activities in concert with flow regulation decisions • Provide updates to each Working Group meeting • Provide verbal updates to CEWO when required <p>Reports</p> <ul style="list-style-type: none"> • Provide brief written content describing this activity to incorporate into the Core Program quarterly outcomes newsletter • Report contingency monitoring activities and outcomes as part of the Goulburn MER Annual Report in 2021
9.	Performance Criteria	12	<p>The following Performance Criteria will apply to the Additional Project Services specified in the Work Order:</p> <ul style="list-style-type: none"> - Must be undertaken in accordance with the Work Order. - Must be completed to a professional standard. - Must address relevant feedback provided by the CEWO. - Must be undertaken in accordance with the

			<p>dates and timeframes specified in the Work Order</p> <ul style="list-style-type: none">- Outcomes must be included in the annual Goulburn MER report in accordance with the agreed standard format and template
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