

**Attachment 1: Table of scope of expert responses and overall position**

Expert name	Expert topic	Peer review report	Scope of expert response	Overall position
Mr Rodger Griffiths	<b>Project design history</b>	Dr Tunnicliffe Mr Morgan	<ul style="list-style-type: none"> <li>History</li> <li>Experts involved</li> <li>Attachments from Dr Jacobsen who input into management of sediment and bedload and role of intake, desander and power station outlet.</li> </ul>	<ul style="list-style-type: none"> <li><b>Comfortable the engineering design is at the appropriate stage to have confidence in the outcomes that can be achieved.</b></li> </ul>
Mr Ian McCahon	<b>Historical engineering design</b>	Dr Tunnicliffe Mr Morgan	<ul style="list-style-type: none"> <li>Choice of Project location and base design</li> <li>Choice of Project type (side intake)</li> <li>Concept design for the headworks (weir / intake)</li> <li>Engineering weir / intake design review / challenge processes</li> </ul>	<ul style="list-style-type: none"> <li><b>Continued support for the concept design including a side intake weir.</b></li> </ul>
Mr Jeremy Kent-Jonhston	<b>Engineering design</b>	Dr Tunnicliffe Mr Morgan	<ul style="list-style-type: none"> <li>Headworks (weir / intake) design refinement following retirement of Ian</li> <li>How inputs from Dr Cluine, Ian McCahon and Dr Jacobsen have been accommodated</li> <li>Engineering weir / intake design review / challenge processes</li> </ul>	<ul style="list-style-type: none"> <li><b>Fit for purpose engineering design process.</b></li> <li><b>A system can be designed and engineered to work within the conditioned parameters</b></li> </ul>
Dr Dougal Clunie	<b>Sediment management through the Project</b>	Dr Tunnicliffe Mr Morgan:	<ul style="list-style-type: none"> <li>Management of sediment and bedload – intake / desander / flushing / power station outlet</li> </ul>	<ul style="list-style-type: none"> <li><b>A system can be designed and engineered to work within the conditioned parameters and environmental effect requirements</b></li> </ul>
Dr Murray Hicks	<b>System sediment transfer</b>	Dr Tunnicliffe Mr Morgan	<ul style="list-style-type: none"> <li>System bedload / sediment loads / behaviour / transfer</li> </ul>	<ul style="list-style-type: none"> <li><b>The Project will not interfere with any bedload / sediment transfer into the Morgan</b></li> </ul>

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			<ul style="list-style-type: none"> <li>• Bedload / sediment implications of the weir on Kiwi Flat</li> <li>• Bedload / sediment transfer past the weir and into Morgan gorge</li> <li>• Bedload / sediment management / process through the abstraction reach</li> <li>• Bedload / sediment management below the power station outlet ('hungry river')</li> </ul>	<p><b>Gorge and through the gorge itself and the abstraction reach</b></p> <ul style="list-style-type: none"> <li>• <b>No change from original assessment.</b></li> </ul>
Mr Martin Doyle	<b>Hydrology</b>	Dr Tunnicliffe	<ul style="list-style-type: none"> <li>• Flooding behaviour</li> <li>• Information provided to other experts</li> </ul>	<ul style="list-style-type: none"> <li>• Provision of information and current relevance.</li> </ul>
Ms Shelley McMurtrie	<b>Freshwater ecology</b>	Dr Tunnicliffe Mr Morgan	<ul style="list-style-type: none"> <li>• Any change to the initial assessment in relation to adverse freshwater ecology effects</li> </ul>	<ul style="list-style-type: none"> <li>• <b>No change in assessment.</b></li> </ul>
Dr John McLennan	<b>Whio</b>	Dr Tunnicliffe Mr Morgan	<ul style="list-style-type: none"> <li>• Any change to his initial assessment in relation to adverse effects on whio</li> </ul>	<ul style="list-style-type: none"> <li>• <b>No change in assessment.</b></li> </ul>
Mr Rob Greenaway	<b>Recreation</b>	Mr Wilson	<ul style="list-style-type: none"> <li>• Responding to the Peer Review report.</li> </ul>	<ul style="list-style-type: none"> <li>• <b>No change in assessment.</b></li> </ul>
Mr Mason Jackson	<b>Planning and conditions</b>	Dr Tunnicliffe Mr Morgan	<ul style="list-style-type: none"> <li>• The conditions responding to issued raised.</li> <li>• Appropriateness of the adaptive management proposed.</li> </ul>	<ul style="list-style-type: none"> <li>• <b>No change in assessment</b></li> <li>• <b>Comfort in the Application conditions proposed to manage the environmental effects.</b></li> </ul>