BEFORE THE INDEPENDENT HEARING PANEL APPOINTED BY THE QUEENSTOWN LAKES DISTRICT COUNCIL

UNDER	the Resource Management Act 1991 (RMA)
IN THE MATTER	of the Te Pūtahi Ladies Mile Plan Variation in accordance with section 80B and 80C, and Part 5 of Schedule 1 of the Resource Management Act 1991.

REPLY TO QUESTIONS ASKED OF AMY CATHERINE PRESTIDGE
24 November 2023

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WYNN WILLIAMS

Introduction

1 My full name is Amy Catherine Prestidge. I am a Technical Principal Engineer (Water Conveyance) at WSP.

2 I prepared a statement of evidence on behalf of Queenstown Lakes District Council (**QLDC** or **Council**) dated 29 September 2023 on the submissions and further submissions to the Te Pūtahi Ladies Mile Plan Variation (**TPLM Variation**). I also provided rebuttal evidence dated 10 November 2023.

Response to Questions

3 My response to the questions filed by Glenpanel Developments Limited and the Anna Hutchinson Family Trust are set out in **Attachment A** below.

Amy Catherine Prestidge

24 November 2023

Attachment A: Response to Joint Questions on behalf of Glenpanel Developments Limited (73) and Anna Hutchinson Family Trust (107)

	Joint questions on behalf of Glenpanel Developments Limited (73) and Anna Hutchinson Family Trust (107)	
#	**Question**	**Responses**
	Broad Topic: Stormwater	
1.	Do you agree that the proposed post-development stormwater discharge to Lake Hayes will be reduced from existing pre-development flows, as a result of the stormwater requirements proposed for the TPLM Variation area?	Yes, in principle. The proposal aims to soak all Stormwater up to the 1% AEP event to ground which would reduce the flows to Lake Hayes from pre-development levels. In the event where lesser than the 1% AEP event flow goes to ground, it should be an overall reduction from the current discharges although this cannot be confirmed until site investigations, catchment-wide hydraulic modelling and detailed design is progressed.
2.	Do you agree that: (a) the TPLM Variation area is an extremely small portion of the catchment? (b) Due to high infiltration rates on the flats, the inflows to the Lake from the development to be enabled is extremely low in comparison to all other tributaries?; and (c) Mill Creek on the opposite end of the lake is the "predominant source of water to the lake" as stated in the Lake Hayes State of Environment 2023?	a) I cannot say, as I have not analysed the full Lake Hayes catchment. b) I cannot say, as I have not seen results of surface infiltration rate tests or analysed other Lake Hayes tributaries. c) I cannot say, I have not analysed the full Lake Hayes catchment. d) The solution has been developed to limit overland flows into Lake Hayes from the TPLM Variation area as advised would be beneficial by other stakeholders.

	Joint questions on behalf of Glenpanel Developments Limited (73) and Anna Hutchinson Family Trust (107)	
#	**Question**	**Responses**
	(d) the stormwater solutions proposed by the TPLM Variation area will not exacerbate any existing problems within Lakes Hayes?	
3.	Do you agree that a fully integrated stormwater solution does not require a single centralised stormwater system, but can consist of related components that can collectively be more effective by virtue of having similar approaches and which may share close proximity to high infiltrating soils?	Yes, however I do have concerns about allowing a large number of discrete systems which would increase opportunity for improper maintenance and therefore increase overland flow risks.