

**BEFORE THE HEARINGS PANEL
FOR THE PROPOSED QUEENSTOWN LAKES DISTRICT PLAN**

IN THE MATTER of the Resource Management Act
1991

AND

IN THE MATTER of the Queenstown Lakes Proposed
District Plan

AND

IN THE MATTER of Hearing Submissions Seeking
Amendments to the Planning Maps
covering Queenstown and
Queenstown Rural (Excluding
Wakatipu Basin)

**SUMMARY STATEMENT TO PRIMARY EVIDENCE OF CHRISTOPHER CHARLES
HANSEN ON BEHALF OF**

**Jardine Family Trust, Remarkables Station Ltd
& Homestead Bay Trustees Ltd**

(Submitter #715)

Dated 4th August 2017

INTRODUCTION

- 1 Chief Engineer Mr Ulrich Glasner filed rebuttal evidence 7th July 2017 (evidence) in relation to submission 715. Primarily, I would like to address matters raised in his evidence.

Wastewater / Water supply

- 2 In response to comments contained in paragraph 3.5 of Mr Glasner's evidence I confirm that the land application area required for wastewater disposal based upon the findings within the Lowe Environmental Impact Report contained in Appendix 2 of my primary evidence would require approximately 14.3ha of land. Appendix A of this evidence contains a copy of the structure plan with the area identified for wastewater disposal. It is bordered in bright green. This area measures approximately 30ha. I consider therefore that suitable land area is available for this purpose.
- 3 In response to comments contained in paragraph 3.6 of Mr Glasner's evidence I confirm that investigation into a connection to Hanley Downs or Jacks Point systems has not been discounted. Dialogue with these parties on infrastructural matters has been ongoing for a number of years. Discussions with these parties will continue if it is considered that connection to these schemes is considered the best option to service the land.
- 4 In response to comments contained in paragraph 3.7 & 3.9 of Mr Glasner's evidence I confirm MWH/Stantec have been commissioned to complete a full aquifer analysis of the proposed bore. In their brief is to investigate any effects that wastewater disposal to land may have on the proposed ground water take. The report is expected to be complete by mid/late August. In the interim, we have requested that MWH/Stantec provide preliminary comment on potential effects of land based waste water disposal on the raw water supply at the bore. The initial conclusion is that effects are unlikely provided that application of wastewater to land is carried out by spray irrigation or Rapid Infiltration Basins and that the soil is utilised to remove contaminants. The initial comments have been provided by email by Mr. James Dommissie, hydrogeologist.

Chris Hansen

4th August 2017

Appendix A

Wastewater Disposal Area

