

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

**IN THE MATTER**

**of the Resource Management Act 1991**

**AND**

**IN THE MATTER**

**of submission 2313 by Hogans Gully Farm**

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**SUMMARY OF EVIDENCE OF ADAM VAIL FOR HOGANS GULLY FARM**

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**Dated: 25 July 2018**

**STATEMENT OF EVIDENCE OF ADAM VAIL FOR  
HOGANS GULLY FARM (2313)**

**25th July 2018**

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1 My Statement of Evidence considers the potential irrigation requirements for the Hogans Gully Farm project within the proposed Wakatipu Basin Rural Amenity Zone and the overall infrastructure servicing for the proposed zone.

**2.0 Irrigation Requirements (Established Golf Course):**

2.1 The proposed golf course will require an estimated peak daily demand of 1,100 m<sup>3</sup>/day.

2.2 The proposed golf course will require an estimated average daily demand of 880 m<sup>3</sup>/day.

2.3 The proposed golf course will require an estimated annual volume of 131,120 m<sup>3</sup>.

**3.0 Irrigation Requirements (Initial Grow-in period):**

3.1 It is anticipated that the proposed golf course will be grown in over three consecutive summers.

3.2 It is estimated the first season (nine holes) will require 750 m<sup>3</sup>/day from December to mid-March, with tapering water requirements each side of these dates.

3.3 It is estimated the second season will require 450 m<sup>3</sup>/day to maintain the first season's growth and require an additional 750 m<sup>3</sup>/day for the remaining nine holes.

3.4 It is estimated the grow-in period will require 1,200 m<sup>3</sup>/day, occurring in the second and third year.

**4.0 Irrigation Requirements (Ecological Restoration):**

4.1 Estimated planting area = 55 ha

4.2 Estimated number of plants = 230,000

4.3 Estimated irrigation needs 3 litres/plant every second day.

4.4 It is estimated the ecological restoration will required 350 m<sup>3</sup>/day.

4.5 It is estimated the ecological restoration will require irrigation water for up to 5 years.

**5.0 Irrigation Requirements (Total):**

5.1 Estimated first year needs = 1,100 m<sup>3</sup>/day. (First nine holes + Ecological Restoration)

5.2 Estimated second and third year needs = 1,550 m<sup>3</sup>/day. (First nine holes + Second nine holes + Ecological Restoration)

5.3 Estimated fourth and fifth year needs = 1,450 m<sup>3</sup>/day. (Established course peak daily demand + Ecological Restoration)

5.4 After year five, it is assumed the course will be established and will have a peak daily demand of 1,100 m<sup>3</sup>/day and an average daily demand of 880 m<sup>3</sup>/day.

## **6.0 Irrigation Water Supply**

6.1 Existing water rights from the Arrow Irrigation Company will provide 9,000 m<sup>3</sup>.

6.2 Arrow Irrigation Company has provided a provisioning letter for 12.7 l/s (1,100 m<sup>3</sup>/day).

6.3 Otago Regional Council has provided Land Use Consent RM18.152.01 to construct up to 10 bores with a maximum of five production bores, at a proposed rate of take and daily volume of 25 l/s & 1,100 m<sup>3</sup>/day.

6.4 Assuming a 30 day restriction is in place, an irrigation pond has been designed to provide a storage volume of 33,000 m<sup>3</sup>.

## **7.0 Hogans Gully Farm Infrastructure Assessment**

7.1 Mr. Vaughn Crowther completed an Infrastructure Assessment on behalf of Queenstown Lakes District Council.

7.2 Upon review of presented evidence, Mr. Crowther's does not oppose the rezoning requested.

7.3 No other issues have arisen in terms of ability to service the developments water, wastewater or stormwater infrastructure requirements.