



HYDROLOGY ANALYSIS ADDENDUM

Site Information:

2250 Ogulin Canyon
Clearlake, CA 95422
APNs: 010-044-19

Prepared for:

Clearlake Harvest Company

Prepared by:

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Prepared: May 20, 2022



1.0 INTRODUCTION

On August 4, 2021, Chico Environmental prepared a Hydrology Analysis for 2250 Ogulin Canyon Road in Clearlake, CA Assessors Parcel Number: 010-044-19. The expected annual water use for the cannabis cultivation project was estimated to be 511,400 gallons/year. Since the time of the publishing of the report, the expected annual water use has decreased to 366,385 gallons per year for a full buildout and 227,660 gallons per year if only 10,000 square feet of cultivation are developed. Former residents used an estimated 504,480 gallons per year. According to the Groundwater Hydrology Addendum prepared by Annjanette Dodd at Northpoint Consulting Group, Inc, the initial estimation of the annual water demand for the site was 1 acre-foot per year. Due to the decrease in expected annual water use at the subject site, this estimation of annual water demand for the site will also decrease. According to the Groundwater Hydrology Addendum, the estimated storage capacity for the Burn Valley Groundwater Basin (BVGB) is 4,000 acre-feet with a usable storage capacity of 1,400 acre-feet. The report estimated total current agricultural and all potential cannabis properties to total 661.6 acre-feet, totaling 40% of the available water storage in the BVGB. The subject site alone would use approximately 0.07% of the usable storage capacity of the BVGB. Thus, it is unlikely that this project, in combination with the existing and proposed demand would adversely impact the existing available water storage in the BVGB.

Additionally, the well installed at 2250 Ogulin Canyon Road appears to be installed within a separate aquifer than the surrounding properties. The surrounding properties appear to be utilizing an alluvial aquifer which would indicate that they are hydrologically connected while the 2250 Ogulin Canyon Road well was completed in a fracture zone aquifer and is not likely connected hydrologically to the alluvial aquifer.

2.0 QUALIFICATIONS AND SIGNATURE

I am a Professional Geologist with the State of California. Chico Environmental has performed this assessment under my supervision in accordance with generally accepted environmental practices and procedures, as of the date of this report. I have employed the degree of care and skill ordinarily exercised under similar circumstances by reputable environmental professionals practicing in this area. The conclusions contained within this assessment are based upon site conditions readily observed or were reasonably ascertainable and present at the time of the site inspection.

The conclusions and recommendations stated in this report are based upon personal observations made by employees of Chico Environmental and upon information provided by others. I have no reason to suspect or believe that information provided is inaccurate.





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8.0 REFERENCES

Jennings, C.W., Strand, R.G., and Rogers, T.H., 1977, Geologic map of California: California Division of Mines and Geology, scale 1:750,000

Northpoint Consulting Group, Inc. 2022. Technical Memorandum. *Groundwater Hydrology Addendum 2160 Ogulin Canyon Road, Clearlake, Ca, APN: 010-044-21.*

