Parcel Location Factors

The allowable allotment of water is based on the location of your parcel.

There are 3 different location classifications. Valley floor areas include all locations that are within the Napa Valley, Pope Valley and Carneros Region, except for areas specified as groundwater deficient areas. Groundwater deficient areas are areas that have been determined by the public works department as having a history of problems with groundwater. All other areas are classified as Mountain Areas. Please circle your location classification below (Public Works can assist you in determining your classification if necessary):

Valley Floor
Mountain Areas

1.0 acre feet per acre per year0.5 acre feet per acre per year

MST Groundwater Deficient Area

0.3 acre feet per acre per year

Assessors Parc Number(s)	Parcel Size (A)	Parcel Location Factor (B)	Allowable Water Allotment (A) X (B)
018-060-072	20.14 ac.	0.5 ac-ft/ac/year	10.07 ac-ft/year

Step #3:

Using the guidelines in Attachment A, tabulate the existing and projected future water usage on the parcel(s) in acre-feet per year (af/yr). Transfer the information from the guidelines to the table below.

		PROPOSED USE:				
0.75	_af/yr	Residential	0.75	af/yr		
g ^{0.0}	_af/yr	Farm Labor Dwelling	g ^{0.0}	af/yr		
0.42	_af/yr	Winery	0.65	af/yr		
0.0	_af/yr	Commercial	0.0			
5.50	af/yr	Vineyard*	5.50			
0.0	af/yr	Other Agriculture	0.0	_		
0.0	af/yr	Landscaping	0.0			
Other Usage (List Separately):						
0.1	_af/yr	• • • • • • • • • • • • • • • • • • • •		•		
	af/yr					
	_af/yr			_ af/yr		
6.77	af/yr	TOTAL:	7.05	af/yr		Mintello, Este united 400% allegate, submitte por Audus 20000000
2,205,808	gallons**	TOTAL:	2,297,038			
	0.0 0.42 0.0 5.50 0.0 0.0 eparately 0.1	0.0 af/yr 0.42 af/yr 0.0 af/yr 5.50 af/yr 0.0 af/yr 0.0 af/yr 0.0 af/yr eparately): 0.1 af/yr af/yr af/yr af/yr af/yr af/yr af/yr af/yr	0.75 af/yr Residential g 0.0 af/yr Farm Labor Dwelling 0.42 af/yr Vvinery 0.0 af/yr Commercial 5.50 af/yr Vineyard* 0.0 af/yr Other Agriculture af/yr Landscaping eparately): Other Usage (List S Domestic & Landscape af/yr af/yr af/yr af/yr af/yr af/yr TOTAL:	0.75 af/yr Residential 0.75 g 0.0 af/yr Farm Labor Dwelling 0.0 0.42 af/yr Winery 0.65 0.0 af/yr Commercial 0.0 5.50 af/yr Vineyard* 5.50 0.0 af/yr Other Agriculture 0.0 0.0 af/yr Landscaping 0.0 eparately): Other Usage (List Separately 0.1 af/yr Domestic & Landscape .15 af/yr af/yr	0.75 af/yr Residential 0.75 af/yr 0.0 af/yr Farm Labor Dwelling 0.0 af/yr 0.42 af/yr Winery 0.65 af/yr 0.0 af/yr Commercial 0.0 af/yr 5.50 af/yr Vineyard* 5.50 af/yr 0.0 af/yr Other Agriculture 0.0 af/yr 0.0 af/yr Landscaping 0.0 af/yr eparately): Other Usage (List Separately): 0.1 af/yr 0.1 af/yr Domestic & Landscape .15 af/yr af/yr af/yr af/yr	0.75 af/yr Residential 0.75 af/yr g 0.0 af/yr Farm Labor Dwelling 0.0 af/yr 0.42 af/yr Winery 0.65 af/yr 0.0 af/yr Commercial 0.0 af/yr 5.50 af/yr Vineyard* 5.50 af/yr 0.0 af/yr Other Agriculture 0.0 af/yr eparately): Other Usage (List Separately): 0.1 af/yr af/yr af/yr af/yr af/yr af/yr af/yr af/yr af/yr af/yr 0.1 af/yr af/yr af/yr af/yr af/yr

^{*}Water use for vineyards should be no lower than 0.2 AF—unless irrigation records are available that show otherwise.

Is the proposed use less than the existing usage () Yes () No () Equal

^{**}To determine your existing and proposed total water use in gallons, multiply the totals (in acre- feet) by 325,821 gal/AF.

Step #4:

Provide any other information that may be significant to this analysis. For example, any calculations supporting your estimates, well test information including draw down over time, historical water data, visual observations of water levels, well drilling information, changes in neighboring land uses, the usage if other water sources such as city water or reservoirs, the timing of the development, etc. Use additional sheets if necessary.

The vines have established themselves over the past five (5) years, and have less impact on the existing water supply. Using less water to irrigate decreases watering times and increases conservation during irrigation cycles. The current water storage allows for greater capacity and in turn allows less impact on the well components and allows a greater time for well and water table recovery.

Conclusion: Congratulations! Just sign the form and you are done! Public works staff will now compare your projected future water usage with a threshold of use as determined for your parcel(s) size, location, topography, rainfall, soil types, historical water data for your area, and other hydrogeologic information. They will use the above information to evaluate if your proposed project will have a detrimental effect on groundwater levels and/or neighboring well levels. Should that evaluation result in a determination that your project may adversely impact neighboring water levels, a phase two water analysis may be required. You will be advised of such a decision.

Signature: Summit Engineering Inc.

Date: 9/20/07 Phone: 707-527-0775

Attachment A: Estimated Water Use Guidelines

Typical Water Use Guidelines:

Primary Residence Secondary Residence Farm Labor Dwelling

0.5 to 0.75 acre-feet per year (includes some landscaping)

0.20 to 0.30 acre-feet per year

0.06 to 0.10 acre-feet per person per year

Non-Residential Guidelines:

Agricultural:

Vineyards

Irrigation only Heat Protection Frost Protection

0.25 acre feet per acre per year Farm Labor Dwelling

Irrigated Pasture

Orchards

Livestock (sheep or cows)

0.2 to 0.5 acre-feet per acre per year 0.25 acre feet per acre per year

0.06 to 0.10 acre-feet per person per year

4.0 acre-feet per acre per year 4.0 acre-feet per acre per year 0.01 acre-feet per acre per year

Winery:

Process Water

Domestic and Landscaping

2.15 acre-feet per 100,000 gal. of wine 0.50 acre-feet per 100,000 gal. of wine

Industrial:

Food Processing Printing/Publishing

31.0 acre-feet per employee per year 0.60 acre-feet per employee per year

Commercial:

Office Space Warehouse

0.01 acre-feet per employee per year 0.05 acre-feet per employee per year