

**Table 1: Estimated Groundwater Volumes for White Cottage Farms - Wedding Events Center**

Location: NW 1/4 of SW 1/4 of Section 19, Township 11 S, Range 65 W  
 Address: 16910 Thompson Road, Colorado Springs, CO - Receipt No.: 5119000007  
 Well Permit: 296012  
 Elevation: 7,505 ft  
 Surface Area: 8.02 Acres  
 Number of lots: 1  
 Division: 1  
 District: 8  
 Designated Basin: None  
 Management District: None

Aquifer	Surface Area (Acres)	Net Sand (ft) <sup>1</sup>	Avg. Specific Yield (%)	Total Approp. Volume (AF) <sup>2</sup>	100-year Ann. Approp. (AF/yr)	300-year Ann. Approp. (AF/yr)
Upper Dawson (NNT)	8.0	489.50	20.00%	785.16	7.85	2.62
Denver (NT)	8.0	511.70	17.00%	697.65	6.98	2.33
Upper Arapahoe (NT)	8.0	241.70	17.00%	329.53	3.30	1.10
Laramie-Fox Hills (NT)	8.0	199.20	15.00%	239.64	2.40	0.80

Note 1: Estimated saturated thickness taken from SB-5 Bedrock Aquifer Evaluation Determination Tool for the Denver Basin.

**Table 2: Estimated Annual Water Use and Pumping Rates - Dawson Aquifer**

Use	Constant	Increment
<b>Each Well - 7 total</b>		
Domestic Indoor - Home 1	0.250	AF/year
Domestic Indoor - Home 2	0.250	AF/year
Events <sup>1</sup>	0.140	AF/year
Dining Hall <sup>2</sup>	0.140	AF/year
Orchard <sup>3</sup>	0.060	AF/year
Lawn / Garden <sup>4</sup>	0.500	AF/year
Stock <sup>5</sup>	0.050	AF/year
<b>Total Well Demand</b>	<b>1.390</b>	<b>AF/year/lot</b>

Note 1: Events = 15,000 total maximum guests at 3 gpd/guest  
 Note 2: Dining Hall = 125 gpd per 1,000 sq. ft. @ 1,000 sq. ft. facility  
 Note 3: Orchard = 30 trees at 0.002 AF/year/tree  
 Note 4: Lawn / Garden Irrigation = 0.25 AF/year for each acre, 2 acres total  
 Note 5: Stock watering assumes (3) horses at 10 gpd

Total Annual Usage (1 well total) = 1.390 AF/year

Estimated Return Flows through Septic (domestic use only)  
 Percent of domestic 90.00%  
 Volume return 0.702

of Home and Mill House Domestic Use  
 AF/year

**Table 3: AUC-3 Denver Basin Depletion Model - Maximum Depletions Using SB 5-year Timesstep 2019 Model for wells outside of Designated Basins**

Pumping Interval	Formation	Total Depl. (AF/yr)	100-year pumping period		Div. 1 Depletion (AF/yr)	Div. 2 Depletion (AF/yr)	Designated Basin (AF/yr)
			Total Depl. (% of Pumping)	Year of Max. Depletion			
Pumping Period	Upper Dawson (NNT)	0.31	22.28%	300	0.183	0.103	0.023
Model Period	Upper Dawson (NNT)	0.31	22.28%	300	0.183	0.103	0.023

Dawson Aquifer - Not-Contributory