

EXHIBIT K – CLIMATE INFORMATION

1.0 GENERAL INFORMATION

The proposed Peak Ranch Resource is located approximately 11.5 miles north-northwest of Dillon, Colorado at an elevation of approximately 8,230 feet. The area is classified as a Subarctic or Boreal Continental Climate (Dfc) under the Koppen Classification system¹. This climate type is dominated by the winter season, a long, bitterly cold period with short, clear days, precipitation mostly in the form of snow, and full humidity². Summers are mild, with average high temperatures in July of 74 °F. The site is classified as USDA Hardiness Zone 4a³, with a growing season of approximately May 15 – June 1 to September 15 – October 1⁴. The Kremmling airport, located approximately 22 miles northwest of the Peak Ranch Resource site, is an official National Weather Service station, Kremmling, Mc Elroy Airfield (K20V)⁵. Records indicate that winds at the airport occur during all times of the year, averaging maximum gust velocities of approximately 20 MPH⁶. Strong winds during the spring months may cause rapid drying of the soil surface and care will need to be taken to protect and nurture seeds and new grasses.

Table K-1: Climate Data

Month	Average Temperature (F)		Average Precipitation (in)	
	Maximum	Minimum	Total Precipitation	Total Snow
January	29.3	3.7	1.01	13.5
February	34.1	6.0	0.96	11.8
March	42.3	14.3	1.36	13.9
April	52.7	24.2	1.5	7.7
May	63.3	32.5	1.62	1.7
June	73.8	38.7	1.22	0.1
July	79.6	44.2	1.42	0
August	77.3	43.0	1.49	0
September	70.1	35.8	1.29	0.2
October	58.6	26.8	1.09	2.3
November	42.1	16.6	1.08	10.0
December	31.5	7.3	0.99	12.4
Yearly (Avg/Total)	(54.6)	(24.4)	15.03	73.7

Climate Data are from Green Mountain Dam, Colorado, approximately 11.5 miles northwest from the Peak Ranch Resource averaged over the period of 07/01/1939 to 06/01/2016⁷.

¹ <http://koeppen-geiger.vu-wien.ac.at/present.htm#GoogleEarth>

² http://koeppen-geiger.vu-wien.ac.at/pdf/Paper_2006.pdf

³ <https://planthardiness.ars.usda.gov/PHZMWeb/InteractiveMap.aspx>

⁴ <https://www.weather.gov/bou/frostandfreezecolorado>

⁵ <https://forecast-v3.weather.gov/obs/K20V>

⁶ https://www.wunderground.com/history/airport/K20V/2018/1/2/DailyHistory.html?req_city=Kremmling&req_stat_e=CO&req_statename=&reqdb.zip=&reqdb.magic=&reqdb.wmo=&hdf=1

⁷ <https://wrcc.dri.edu/cgi-bin/cliMAIN.pl?co3592>