



12.0 EXHIBIT K – CLIMATE ~~RESERVED~~ (S E C 6 . 3 . 1 1)

12.1 LEADVILLE CLIMATE

Average annual precipitation in the high mountainous regions generally exceeds 40 inches per year. Leadville average rainfall precipitation is approximately 12 inches whereas snowfall averages over 140 inches. Average annual lake evaporation for Leadville ranges between 35 and 45 inches a year.

Leadville has an alpine subarctic climate with cold winters and mild summers, bordering on a cold semi-arid climate (See Table 12-1). The average January temperatures are a maximum of maximum of 72.2 °F (22.3 °C) and a minimum of 37.8 °F (3.2 °C). There are averages of 278 days annually with freezing temperatures, which can occur in any month of the year. The record high temperature was 86 °F (30 °C) on June 23, 1954. The record low temperature was -38 °F (-39 °C) on February 21, 1995.

Average annual precipitation is 12.19 inches (310 mm). The wettest year was 1957 with 22.14 inches (562 mm) and the driest year was 1994 with 8.81 inches (224 mm). The most precipitation in one month was 4.83 inches (123 mm) in January 1996. The most precipitation in 24 hours was 2.10 inches (53 mm) on December 24, 1983. Average annual snowfall is 142.7 inches (3,620 mm). The most snowfall in one year was 247.9 inches (6,300 mm) in 1996. The most snowfall in one month was 63.2 inches (1,610 mm) in February 1995.



TABLE 12-1: CLIMATE DATA FOR LEADVILLE

Month	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Year
Record high °F (°C)	56 (13)	54 (12)	61 (16)	65 (18)	80 (27)	82 (28)	85 (29)	83 (28)	80 (27)	72 (22)	66 (19)	56 (13)	85 (29)
Average high °F (°C)	31.1 (-0.5)	33.6 (0.9)	38.9 (3.8)	45.9 (7.7)	56.7 (13.7)	67.5 (19.7)	72.2 (22.3)	69.5 (20.8)	62.7 (17.1)	51.7 (10.9)	38.4 (3.6)	31.1 (-0.5)	50.0 (10.0)
Daily mean °F (°C)	17.1 (-8.3)	19.0 (-7.2)	24.9 (-3.9)	32.2 (0.1)	41.7 (5.4)	50.2 (10.1)	55.0 (12.8)	53.4 (11.9)	46.8 (8.2)	37.3 (2.9)	25.2 (-3.8)	17.4 (-8.1)	35.0 (1.7)
Average low °F (°C)	3.1 (-16.1)	4.5 (-15.3)	10.7 (-11.8)	18.6 (-7.4)	26.7 (-2.9)	32.9 (0.5)	37.8 (3.2)	37.3 (2.9)	30.9 (-0.6)	22.8 (-5.1)	12.1 (-11.1)	3.8 (-15.7)	20.1 (-6.6)
Record low °F (°C)	-27 (-33)	-38 (-39)	-30 (-34)	-17 (-27)	7 (-14)	19 (-7)	26 (-3)	23 (-5)	8 (-13)	-7 (-22)	-24 (-31)	-31 (-35)	-38 (-39)
Precipitation inches (mm)	0.66 (16.8)	0.84 (21.3)	0.94 (23.9)	1.06 (26.9)	0.68 (17.3)	0.89 (22.6)	1.75 (44.5)	1.98 (50.3)	1.07 (27.2)	0.74 (18.8)	0.80 (20.3)	0.76 (19.3)	12.17 (309.1)
Snowfall inches (cm)	18.0 (45.7)	18.2 (46.2)	21.5 (54.6)	23.8 (60.5)	8.2 (20.8)	1.8 (4.6)	0.1 (0.3)	0.0 (0)	2.1 (5.3)	10.1 (25.7)	19.5 (49.5)	19.5 (49.5)	142.8 (362.7)
Avg. precipitation days (≥ 0.01 inch)	9	8	10	10	7	6	12	14	9	6	9	9	109