



# EMGOLD MINING CORPORATION

## TECHNICAL REPORT

### 5.0 ACCESSIBILITY, CLIMATE & PHISIOGRAPHY

The Idaho-Maryland project is located in western Nevada County, east of the city of Grass Valley and south of Nevada City. Grass Valley and Nevada City are Sierra Nevada foothill communities located approximately 20 miles (32 km) north of Auburn and approximately 55 miles (89 km) northeast of Sacramento. Highway 49 and Highway 20 connect the Grass Valley/Nevada City area regionally.

The 56-acre (23 ha) BET property site is located off the two-lane Idaho-Maryland Road, approximately 1.5 miles (2.4 km) east of downtown Grass Valley and 3.5 miles (5.6 km) south of Nevada City. The Brunswick property lies adjacent to East Bennett Road, a two-lane artery running 400 ft (120 m) to the north of the New Brunswick shaft. Brunswick Road, a major two-lane artery connecting Grass Valley with State Highway 174, runs northwest/southeast approximately 550 ft (170 m) east of the shaft (see Figure 5-1). Land surrounding the shaft is used for industrial and residential purposes. Within 1,000 ft (308 m) of the shaft, there are approximately five residences, the closest being 750 ft (230 m) to the southwest.

The project area is characterized by low rolling hills with elevations between 2,500 ft (770 m) and 2,900 ft (895 m) above mean sea level (ASML). Collar elevation of the New Brunswick shaft is 2,757.3 ft (840.6 m) ASML.

The primary vegetation in the area includes Madrone, Western Red Cedar, Douglas Fir, Bigleaf Maple, Black Oak, Manzanita, California Coffeeberry, Currant, and Honeysuckle. Vegetation in the wet meadow areas includes Bromegrass, Yellow foxtail, rye, beak rush, fescue, bulrush, rush, smooth brome, and Orchard grass.

The Grass Valley/Nevada City area enjoys a mild climate year round. The monthly average temperature and precipitation data is presented in Table 5-1 and Figures 5-2 and 5-3. Snow occurs only two to four times each winter, with accumulations of 2" to 12" per event and rarely remains for more than three or four days.

An electric transmission line belonging to the Pacific Gas and Electric Company traverses the South Fork valley.



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Figure 5-1: Grass Valley Map



Table 5-1: Grass Valley Climatology by Month (minimum period of 30 years)

Month	Temperature			Average Precipitation (inches)	Cumulative Precipitation (inches)
	Average High (°F)	Average Low (°F)	Mean (°F)		
January	53	42	42	9.86	9.86
February	55	44	44	9.21	19.07
March	57	46	46	8.52	27.59
April	63	51	51	3.69	31.28
May	70	58	58	1.97	33.25
June	79	65	65	0.62	33.87
July	87	71	71	0.18	34.05
August	86	70	70	0.23	34.28
September	81	65	65	1.10	35.38
October	71	57	57	2.72	38.10
November	58	47	47	7.08	45.18
December	53	31	42	7.89	53.07
<b>Average</b>	<b>68</b>	<b>54</b>	<b>55</b>	<b>4.42</b>	
<b>Total</b>				<b>53.07</b>	



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Figure 5-2: Grass Valley Temperature Ranges (minimum period of record: 30 years)

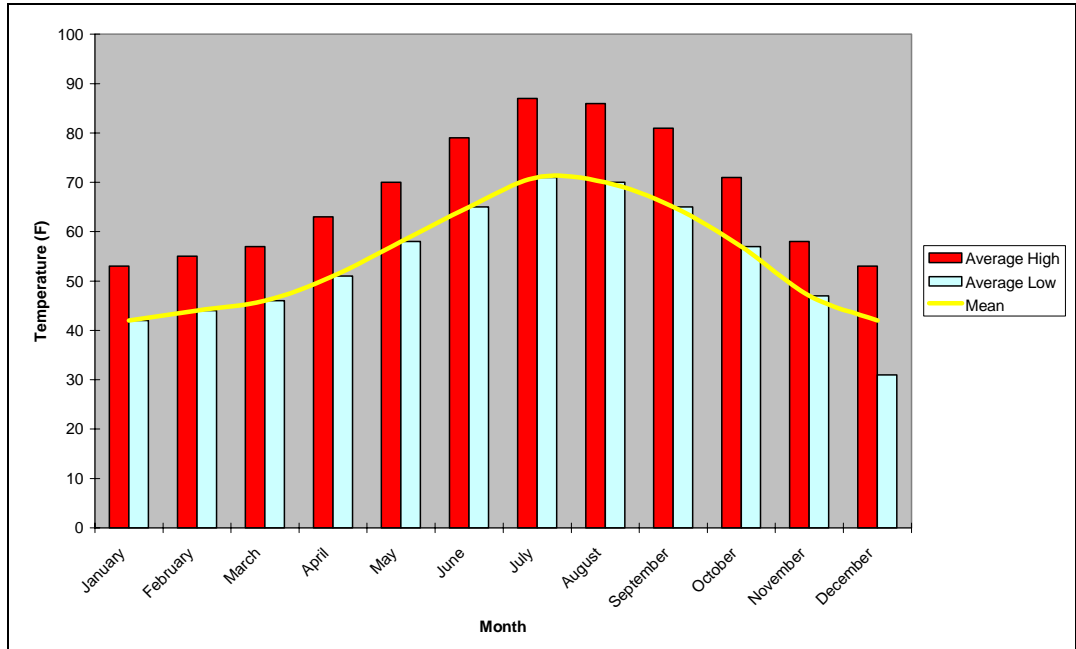


Figure 5-3: Grass Valley Precipitation by Month

