TABLES

Table 2-1 Mean Monthly Climate Parameters

Month	Fort Bayard Precip.	Fort Bayard Mean Temp.	Fort Bayard Avg. Max. Temp.	Fort Bayard Avg. Min. Temp.	Chino Mine Pan Evap.	Continental Mine Precip.	Continental Mine Lake Evap.
Jan	0.86	38.60	51.90	25.30	1.55	1.00	1.09
Feb	0.84	41.50	55.40	27.50	3.36	0.98	2.35
Mar	0.7	46.00	60.70	31.40	4.03	0.82	2.82
Apr	0.39	53.10	68.90	37.20	10.5	0.46	7.35
May	0.46	61.00	77.20	44.70	11.78	0.54	8.25
Jun	0.78	70.30	86.80	53.90	12	0.91	8.40
Jul	3.22	72.50	86.60	58.40	8.37	3.76	5.86
Aug	3.31	70.80	84.40	57.20	8.06	3.87	5.64
Sept	2.05	66.00	80.20	51.80	8.4	2.39	5.88
Oct	1.25	56.60	71.20	42.00	6.2	1.46	4.34
Nov	0.76	45.90	60.20	31.50	3.9	0.89	2.73
Dec	1.05	39.20	52.50	26.00	1.55	1.23	1.09
Total	**15.66**	**55.13**	**69.70**	**40.60**	**79.7**	**18.29**	**55.79**

Notes:
(1) Fort Bayard Precipitation / Temperature Data Source: http://www.wrcc.dri.edu/cgi-bin/cliMAIN.pl?nmforb.
(2) Chino Mine Pan Evaporation Data Source: SMI, 1999.
(3) Continental Mine Total Precipitation / Lake Evaporation Source: SMI, 1999.

Table 6-1 Pre-Calibration Hydraulic Parameters

Zone	Zone Name	Horizontal Hydraulic Conductivity		Anisotropy Ratio (a)	Specific Storage (1/ft)	Specific Yield (-)
		(ft/day)	(cm/sec)			
1	Barringer Fault	2.8×10^{-3}	10^{-6}	1	10^{-6}	0.05
2	Hanover Fierro Stock	2.8×10^{-3}	10^{-6}	1	10^{-7}	0.02
3	Syenodiorite Porphyry	2.8×10^{-3}	10^{-6}	1	10^{-7}	0.02
4	Colorado Formation (c)	n/a	n/a	n/a	n/a	n/a
5	Beartooth Quartzite (b)	2.8×10^{-2}	10^{-5}	100	10^{-6}	0.20
6	Abo/Syrena Formations	2.8×10^{-1}	10^{-4}	10	10^{-6}	0.20
7	Oswaldo Formation	2.8	10^{-3}	10	10^{-6}	0.20
8	Lake Valley Formation	2.8	10^{-3}	10	10^{-6}	0.20
9	Percha Shale	2.8×10^{-2}	10^{-5}	10	10^{-5}	0.10
10	Fusselman/Montoya Dolomites	2.8×10^{-1}	10^{-4}	10	10^{-6}	0.20
11	Quaternary Alluvium (c)	n/a	n/a	n/a	n/a	n/a
12	Precambrian Rock (c)	n/a	n/a	n/a	n/a	n/a

(a) Ratio of horizontal to vertical hydraulic conductivity.
(b) Includes upper and lower shale units.
(c) Not part of flow model; top of Precambrian treated as a no-flow boundary.

Table 6-2 Typical Storage Parameters for Geologic Materials

Geologic Material	Specific Storage, Ss[1] (1/cm)
Plastic Clay	2.0×10^{-4} to 2.6×10^{-5}
Stiff Clay	2.6×10^{-5} to 1.3×10^{-5}
Medium Hard Clay	1.3×10^{-5} to 9.2×10^{-6}
Loose Sand	1.0×10^{-5} to 4.9×10^{-6}
Dense Sand	2.0×10^{-6} to 1.3×10^{-6}
Dense Sandy Gravel	1.0×10^{-6} to 4.9×10^{-7}
Rock, Fissured, Jointed	6.9×10^{-7} to 3.0×10^{-8}
Rock, Sound	Less than 3.0×10^{-8}

[1] Walton, 1970.

Geologic Material	Specific Yield (--)
Unconsolidated sand and gravel	0.20 - 0.30
Sandstone	0.15 - 0.25
Siltstone	0.05 - 0.15
Shale	0.05 - 0.10
Porous (fossiliferous) limestone	0.15 - 0.25
Dense (micritic) fractured limestone	0.05 - 0.15
Highly fractured crystalline rock	0.05 - 0.15
Moderately fractured crystalline rock	0.01 - 0.05

Table 6-3 Updated Analytically Predicted Underground Filling

Elevation (ft)	Time[1] (yrs)	Flow Rate[1] (gpm)	Time[2] (yrs)	Flow Rate[2] (gpm)
5425	0.0	155.0	0.0	132.0
5450	0.0	151.9	0.0	129.3
5475	0.2	148.8	0.3	126.7
5500	0.4	145.7	0.5	124.0
5525	0.6	142.6	0.8	121.4
5550	0.9	139.4	1.0	118.7
5575	1.1	136.3	1.3	116.1
5600	1.3	133.2	1.6	113.4
5625	1.6	130.1	1.9	110.8
5650	1.8	127.0	2.2	108.1
5675	2.4	123.9	2.8	105.5
5700	3.0	120.8	3.5	102.8
5725	3.5	117.7	4.2	100.2
5750	4.1	114.5	4.9	97.5
5760	4.4	111.4	5.2	94.9
5775	4.8	108.3	5.6	92.2
5800	5.5	105.2	6.4	89.6
5825	6.2	102.1	7.3	86.9
5850	6.9	99.0	8.1	84.3
5875	7.3	95.9	8.5	81.6
5900	7.6	92.8	8.9	79.0
5925	8.0	89.6	9.4	76.3
5950	8.4	86.5	9.9	73.7
5975	8.5	83.4	10.0	71.0
6000	8.7	80.3	10.2	68.4
6025	8.9	77.2	10.4	65.7
6050	9.0	74.1	10.6	63.1
6075	9.7	71.0	11.3	60.4
6100	10.3	67.9	12.1	57.8
6125	11.0	64.7	12.9	55.1
6150	11.7	61.6	13.7	52.5
6175	11.9	58.5	14.0	49.8
6200	12.2	55.4	14.4	47.2

[1] Calculation based on mine dewatering flow rate of 155 gpm with vent shaft included at 100% relative humidity.

[2] Calculation based on mine dewatering flow rate of 132 gpm with vent shaft included at 0% relative humidity.