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Table 1.--Inferred beryl reserves of selected localities in Nevada and northwestern Arizona

Locality	Average thickness (feet)	Estimated length (feet)	Tons rocks per ft of depth	Assumed depth (feet)	Grade		Tonnage		Percent BeO in beryl <sup>a/</sup>	
					BeO	Beryl	Pegmatite	BeO		Beryl
Selected Dawley Canyon localities, based on visual estimates of beryl content:										
B 1	7	100	60	50	0.013	0.1	3,000	0.39	3.0	13.45
H 5	2	75	13	50	.007	.05	650	.05	.3	13.5 <sup>b/</sup>
H 13	8	60	40	20	.007	.05	800	.06	.4	13.5 <sup>b/</sup>
H 14	1	35	3	50	.014	.1	150	.02	.2	13.54
H 15	4	45	15	50	.007	.05	750	.05	.4	13.5 <sup>b/</sup>
J 19	6	45	23	25	.014	.1	575	.08	.6	13.5 <sup>b/</sup>
J 21	3	20	5	20	.034	.25	100	.03	.3	13.4
J 24	5	20	9	20	.013	.1	180	.02	.2	13.4
K 2	4	200	67	100	.0014	.01	6,700	.09	.7	13.5 <sup>b/</sup>
K 4	6	40	20	40	.014	.1	800	.11	.8	13.5 <sup>b/</sup>
K 24	6	42	21	40	.0034	.025	840	.03	.2	13.5 <sup>b/</sup>
K 26	1.7	40	6	40	.031	.23	240	.07	.6	13.5 <sup>b/</sup>
P 8	4	100	33	50	.020	.15	1,650	.33	2.5	13.5 <sup>b/</sup>
U 8	3.5	75	22	40	.014	.1	880	.12	.9	13.5 <sup>b/</sup>
U 9	2	40	7	40	.014	.1	280	.04	.3	13.5 <sup>b/</sup>
V 7	8	250	170	100	.0014	.01	17,000	.24	1.7	13.5 <sup>b/</sup>
V 8	6	50	25	25	.003	.02	625	.02	.1	13.5 <sup>b/</sup>
V 12	7	200	120	100	.0014	.01	12,000	.17	1.2	13.5 <sup>b/</sup>
V 14	5	150	63	50	.0014	.01	3,150	.04	.3	13.5 <sup>b/</sup>
V 15	5.5	200	92	100	.013	.1	9,200	1.2	9.2	13.45
V 17	5	100	42	50	.0014	.01	2,100	.03	.2	13.5 <sup>b/</sup>
X 1	12	40	40	20	.011	.08	800	.09	.6	13.5 <sup>b/</sup>
X 2	10	140	120	70	.004	.03	8,400	.36	2.5	13.5 <sup>b/</sup>
Y 1	5	30	13	30	.014	.1	390	.06	.4	13.5 <sup>b/</sup>
Y 4	13	50	54	25	.014	.1	1,350	.19	1.4	13.54
Y 6	20	100	170	50	.0014	.01	8,500	.12	.9	13.5 <sup>b/</sup>
Totals and averages, Dawley Canyon area localities:										
			1,253	65			81,110	4.01	29.9	13.5
Hankins Canyon <sup>c/4</sup>		40	13	20	0.013	0.1	260	0.03	0.3	13.45
Gilbert Canyon <sup>c/6</sup>		35	18	20	.026	.2	360	.09	.7	13.45
Hummingbird claims	2.5	560	116	250	.073 <sup>d/</sup>	.56 <sup>e/</sup>	29,000	21.	160. <sup>e/</sup>	12.8-13.4
Toulon tailings	f/	f/	f/	f/	.025 <sup>g/</sup>	.31	55,000	14.	110.	12.4
Lakeview claim	40	140	460	20	.048 <sup>h/</sup>	.40	9,000	4.3	36.	11.9
Total of all localities tabulated:							174,730	43.4	337.	

<sup>a/</sup> Estimated from refractive index, n<sub>0</sub>, based upon unpublished curves prepared by W. T. Schaller.

<sup>b/</sup> Assumed average for Dawley Canyon area.

<sup>c/</sup> Figures are for largest beryl deposit found in 1-day reconnaissance.

<sup>d/</sup> Based upon weighted average of spectrographic analyses of 5 representative samples.

<sup>e/</sup> Beryl equivalent, based upon assumed 13.1 percent BeO in beryl. Some of the BeO is present as chrysoberyl.

<sup>f/</sup> Tailings contain 1,100,000 cu. ft and range in thickness from 0 to 11 ft.

<sup>g/</sup> Weighted average of spectrographic analyses of 30 samples.

<sup>h/</sup> Average of spectrographic analyses of 12 samples.