

TABLE 9.—Geologic and commercial data for mines in the Inyo Range-Northern Panamint Range district, California

Mine	Country rock	Form and size of talc bodies; depth of mining	Mineral composition; impurities	Kinds of talc rock mined	Chemical composition								Production	Remarks	
					SiO ₂	Al ₂ O ₃	Fe ₂ O ₃ ¹	CaO	MgO	K ₂ O	Na ₂ O	Loss on ignition			H ₂ O--
Alberta mine	Dolomite and quartzite	Two lenses, each 40 ft by 80 ft, or possibly larger.	Talc; calcite	White to pale green and pale gray; blocky.	Similar to White Mountain								7,600 tons through 1955	Probably contains several thousand tons recoverable steatite. Used in insulators.	
Alliance mine	do	Veinlets and lenses in zone 200 ft long and 60 ft wide; mined to depth of 100 ft (estimated).	Talc; quartz, limonite, calcite.	White to medium gray, dark gray to black.	60.24	0.50	1.14	0.15	33.18	0.12	0.11	4.42	6,000-10,000 tons (estimated)	Workings largely inaccessible; mined during World War II, also in 1955. Used in insulators.	
Blue Star mine	Undetermined	Largest lens about 70 ft long and as much as 15 ft wide; mined 45 ft downdip.	Talc; iron oxide; others undetermined.	Pale gray and grayish green.	60.0	1.3	3.5 4.2		30.0 30.5			2.0 1.6	25,000 tons (estimated)	Active 1927-45; 500 tons mined in 1954. High grade used in cosmetics; low grade in paint.	
Blue Stone mine	Quartzite, dolomite, limestone.	Lens 40 by 20 ft; mined 45 ft deep.	Talc.	Blocky mottled gray, near steatite grade.			4.42	.10					500-1,000 tons (estimated)	Known body apparently mined out before 1942.	
Branson mine	Dolomite, some quartzite	Mined to depth of 40 ft (estimated).	do	do									About 2,000 tons through 1955.		
Doris Dee deposit	Massive dolomite	Several ore bodies 50-300 ft long, largest 12 ft thick; open cuts.	do	Pale green, blocky.	61.58	1.22	1.57	.26	30.03	.09	.27	5.01	0.17	None through 1955.	Undeveloped.
East End (Bob Cat) mine	Massive dolomite and limestone.	Lens 100 ft long and as much as 5 ft wide; mined 95 ft downdip.	Talc, calcite and dolomite.	Pale green, crudely foliated.										Not more than 5,000 tons. Idle since 1942.	Apparently mined out.
Eclipse mine	Quartzite and dolomite	Mined 100 ft (estimated) vertically.		Blocky, impure.										Several thousand tons (estimated).	Little developed.
Eureka (Nickolaus) mine	Massive dolomite and quartzite.	Lens 200 ft in exposed length and as much as 40 ft wide; mined 100 ft (estimated) vertically.	Talc; quartzite "boulders," calcite veinlets, chalcedony nodules.	Pale green, blocky.	61.15	1.12	1.57	.29	30.80	.01	.06	5.35	.14	Approximately 38,000 tons through 1955.	Probably contains several thousand tons recoverable steatite. Used in cosmetics, pharmaceuticals.
Florence mine	Mostly dolomitic limestone, some quartzite.	Discontinuous tabular bodies mostly along zone 900 ft long. Largest about 105 ft long and as much as 10 ft wide; mined 40-50 ft vertically.	Talc.	Pale green to medium gray, blocky.	60.51	1.16	.75	1.28	29.49	.15	.13	5.97	.17	9,000 tons (estimated) through 1955.	Idle in recent years. Used in cosmetics, nonradioelectric ceramics.
Frisco mine	Quartzite, some dolomite	Quartzite lens in massive dolomite about 255 ft long and as much as 15 ft wide; mined to depth of 40 ft.	Talc; quartz	White blocky talc.	61.43	1.03	.61	.28	30.99	.14	.07	5.27	.13	Few hundred tons.	Known bodies worked out. Used in radioelectric ceramics.
Do	Felsite, dolomite	Irregular dikes as much as 200 ft long and 30 ft thick.	Talc; partly altered feldspar	Pale to dark green chlorite rock.	32.38 36.24	22.65 23.56	.75 1.19	.67 1.47	30.42 23.39	.38 .35		13.09 13.05	.18	About 16,000 tons through 1955.	Being worked in 1956. Used in ceramics.
Gold Belt (Quackenbush) mine	Dolomite	Main talc-bearing body more than 50 ft long and as much as 30 ft wide; mined 30 ft vertically.	Talc; carbonates	Pale green to dark gray, blocky.										750 tons (estimated) through 1955.	Part of a much larger talcose zone. Most talc in veins less than 2 ft wide.
Gray Eagle (Eleanor Rogers) mine	Dolomite and quartzite (massive).	Lens, 300 ft in exposed length and as much as 50 ft wide; white talc 10 ft thick next to quartzite, dark 10 ft thick next to dolomite; mined 40-80 ft vertically.	Talc; dolomite, quartz, calcite.	Medium gray, white, blocky.	62.21	1.59	.61	.60	28.65	.09	.05	4.86	.26	Several thousand tons.	Probably largest recoverable reserves of steatite in district. Worked intermittently. Used in radioelectric ceramics.
Hilderman (Saline Valley) mine	Dolomite, diorite and granitic dike rock.	Lens 250 ft in exposed length and as much as 50 ft wide; not bottomed. Mined 30-40 ft (estimated) vertically.	Talc.	Pale to medium green, blocky.	61.30	1.16	2.06	.07	30.65			5.66	.02	2,000-3,000 tons (estimated)	One-fourth of body may be steatite. Worked briefly 1950-51.
Irish mine	Quartzite, some slate	Discontinuous lenses in partly altered zone 250 ft long and 5 ft in average width.	Talc; quartz		Similar to Alliance mine								Total unknown. 122 tons in 1953.		
Lakeview mine	Quartzite, dolomite, diabase.	Two lenses each about 10 ft in maximum thickness and 20-40 ft in diameter. Mined 50 ft (estimated) vertically.	Talc; quartz, dolomite, calcite.	White, medium gray, blocky.										1,000-3,000 tons (estimated) to 1942. Idle in 1953.	Known bodies apparently worked out.
Lenbeck (Brooklyn) mine	Dolomite, some limestone	Numerous irregular veins, mostly 1/2-2 1/2 ft thick.	Talc.	Pale green, blocky.	58.98	2.89	.81	.74	30.59	.06	.56	5.37			Do.
Longhorn (Anderson) mine	Dolomite, quartzite	Lens about 200 ft in exposed length and as much as 15 ft wide; 6 ft average width.	Talc; carbonates, quartz	Pale green, blocky.											
Silver Dollar mine	Massive dolomite	Mined 175 ft downdip.	Talc.	Mostly pale green.											
Skinner mine	Dolomite, quartzite	Mined 20 ft vertically.	Talc.	Pale green, blocky to crudely foliated (high grade).	60.20	1.86	.88	.76	30.37		.24	5.41		259,000 tons through 1955.	Principal producer of steatite in United States before 1952, when Montana mines began production. Used in radioelectric ceramics, paints, cosmetics.
Talc City mine	Dolomite, some limestone	Numerous lenses; largest more than 500 ft long and as much as 50 ft wide; mined 415 ft downdip.	Talc; carbonates, limonite												
Trinity (Pacific Coast, Angeles) mine	Dolomite	Several lenses; largest about 85 ft long and as much as 25 ft thick; mined 100 ft (estimated) downdip.	Talc; dolomite	Pale green, blocky.	59.42	1.32	.60	1.70	32.42	.06	.10	4.95		5,000 tons (estimated) through 1955.	
Ubehebe (Stone Pencil) mine	Massive dolomite	Talc-bearing zone about 500 ft long and 20 ft wide. Individual bodies mostly less than 5 ft thick. Mined 15-25 ft (estimated) vertically.	Talc; carbonates	Mostly grayish green, blocky.										Several hundred tons total through 1955.	Talc of steatite grade.
Victory mine	Dolomite	Lens about 50 ft long, 3-5 ft wide; bottomed at about 40 ft.	Talc; carbonates	Gray(?)										Several hundred tons total.	Known bodies apparently mined out. Idle since 1942.
Viking mine	Mostly quartzite, some dolomite.	Lenses and stringers associated with quartzite layer. Talc bodies as much as 5 ft wide. Mined 20 ft vertically.	Talc; limonite	White, blocky.										do.	Idle since 1942. Talc probably of steatite grade.
White Eagle mine	Mostly quartz monzonite, some quartzite and dolomite.	Irregular body 600 ft long and as much as 200 ft wide, unbottomed in present workings.	Talc; feldspar	Mostly pale green, locally white to gray, blocky.	61.59	1.38	2.16	.05	29.71	.17		4.94		Total unknown. 1,931 tons in 1953.	Analyses indicate some material of steatite grade. Some talc of U.S.P. grade. Used in pharmaceuticals.
White Horse (Keeler) mine	Massive dolomite	Zone about 400 ft long contains talc bodies as much as 100 ft long and 25 ft thick. Mined 20 ft vertically.	Talc; carbonates	Pale green, blocky.										Several hundred tons total.	Talc of steatite grade; probably idle since 1952.
White Mountain mine	Quartzite and dolomite	Many small lenses and irregular veins. Mined 100 ft (estimated) downdip.	Talc; quartz	White, medium to dark gray, blocky.	59.80	2.14	.81	1.09	29.55	.23		5.50		15,000-20,000 tons through 1955.	Composite of many small bodies.
White Swan mine	Dolomite, some quartzite	Lenses, largest more than 125 ft long, 1-5 ft wide. Mined 40 ft (estimated) vertically.	Talc; carbonates	Pale green, blocky.										700 tons or less to 1942. Later production undetermined but small.	Known bodies apparently worked out.
Willow Creek mine	Limestone(?) and granitic rock.	Lens more than 100 ft long and as much as 20 ft wide. Limestone pendant in granitic rock, all in landslide. Mined 100 ft (estimated) vertically.	Talc; carbonates	Pale gray.										1,000-2,000 tons (estimated) to 1942.	Workings thoroughly caved. Idle since 1942.

¹ Total iron calculated as Fe₂O₃.
² Analyses by Sierra Talc Co.

³ Analysis supplied by Ernest Bragie.
⁴ U. S. Bureau of Mines partial analysis made during World War II.