

TABLE 14.—*Geologic and commercial data for mines and prospects in the Dillon-Ennis district, Montana*

Mine or prospect	Country rock	Form and size of talc bodies; depth of mining	Mineral composition; impurities	Kind of talc rock mined	Particle shape and color of crude talc	Production	Remarks
Beaverhead (Owens-Patterson) mine.	Dolomite	Lens 400 ft in exposed length, about 40 ft in average width; mined to about 40 ft.	Talc; dolomite, graphite.	White to pale green steatite, blocky to semi-flaky	Granular to platy; white to pale green.	Several hundred tons during 1957.	Very pure talc, steatite grade. Incompletely explored. Used in cosmetics, paint, paper.
Bozo group mine.	do.	Shallow cuts.	Talc.		Granular to platy.	Small tonnage through 1957.	Probably contains talc of steatite grade. Used in paint, paper.
Brown prospect.	Dolomite and schist.	Discontinuous small lenses. Shallow cuts.				None.	
Crescent prospect.	Dolomite.	Lens about 300 ft long and 50 ft wide. Shallow cuts.	Talc; graphite.		Granular to platy; white.	No talc shipped through 1957.	
Estelle prospect.	Mostly dolomite.	Unexplored, poorly exposed.	Talc; dolomite, graphite.			None.	
Keystone mine.	Dolomite and schist.	Lens, poorly exposed, about 500 ft by 100 ft in surface dimensions; shallow pits, 60 ft shaft.	Talc; dolomite.	Medium gray to medium green, blocky.	Granular to platy; pale green. Granular to platy; medium green.	Several thousand tons through 1957 (estimated).	One pit 50 ft by 20 ft in plan is entirely in talc rock. Used in ceramics (including electrical insulators), filler, insecticides, paint, paper, rubber.
Lausche prospect.	do.	Discontinuous small lenses. Shallow cuts.	No information.			None.	
Pettus No. 1 mine.	Dolomite.	Discontinuously exposed for 500 ft, maximum exposed width 10 ft.	Talc; chlorite and minor graphite.	Pale green, blocky.	Granular to platy; mostly pale green.	Several thousand tons through 1957.	Incompletely explored. Shallow pits, small adit.
Pettus No. 2 prospect.	Dolomite and schist.	Exposed only in short adit.			Granular to platy.	None.	Only very poorly exposed.
Ruby View prospect.	Dolomite and subordinate quartz-mica schist.	Lens 200 ft in exposed length, about 30 ft in maximum exposed width; shallow pit.	Talc; chlorite and graphite, particularly in masses near footwall.		Granular to platy; pale to medium green.	do.	
Smith-Dillon mine.	Dolomite.	Lens 600 ft in exposed length, about 30 ft in average width; mined to about 50 ft.	Talc; dolomite, graphite.	Mostly pale green steatite, blocky.	Granular to platy; mostly pale green.	120,000 tons (estimated) through 1957.	Of steatite grade. Used in ceramics (including electrical insulators), filler, insecticides, paint, paper, rubber.
Sweetwater mine.	Dolomite and subordinate quartz-mica schist.	Shallow cuts.	Talc; graphite.	Mostly green and white mottled talc.	Granular to platy; pale green to white.	Small tonnage through 1957.	Probably contains talc of steatite grade. Used in paint, paper.
Treasure (Stone Creek) mine.	Hanging wall, dolomite; footwall, schist and gneiss.	Two lenses, 80-90 ft in maximum thickness; one exposed for length of 700 ft, the other for 400 ft. Mined to 50 ft.	Talc; dolomite, chlorite, graphite.	Mostly pale green steatite, blocky.	Granular to platy; mostly pale green.	42,000 tons through June 1957.	Talc of steatite grade. Used in ceramics (including electrical insulators), filler, insecticides, paint, paper, rubber.
Whitney prospect.	Dolomite and schist.	Incompletely explored.	Talc; dolomite, graphite.	Nearly white, blocky.	Granular to platy; white to pale green.	None.	Talc exposed discontinuously for 1 mile, 4 or 5 open cuts, locally 8-10 ft thick.
Yellowstone mine.	Dolomite and subordinate quartz-mica schist.	Five lenses, 200-400 ft in exposed length, 60-70 ft in thickness of undetermined depth. Many other smaller lenses, possibly more large lenses. Mined to about 200 ft.	Talc; dolomite, manganese and iron oxides.	Green to buff or pale brown steatite, blocky.	Granular to platy; pale green to pale brown, mostly buff.	30,000-40,000 tons through 1956.	Minable reserves large; some small lenses of block steatite. Much of talc slightly off color. Used in ceramics (including electrical insulators).