Montville Rodgers Bedrock Compilation Sheet (paper)

Map

NOTICE!

Bedrock quadrangle 1:24,000 scale compilation sheets for the Bedrock Geological Map of Connecticut, John Rodgers, 1985, Connecticut Geological and Natural History Survey, Department of Environmental Protection, Hartford, Connecticut, in Cooperation with the U.S. Geological Survey, 1:125,000 scale, 2 sheets. [minimum 116 paper quad compilations with mylar overlays constituting the master file set for geologic lines and units compiled to the State map, some quads have multiple sheets depicting iterations of mapping]. Compilations drafted by Nancy Davis, Craig Dietsch, and Nat Gibbons under the direction of John Rodgers.

Geologic unit designation table translates earlier map unit nomenclature to the units ultimately used in the State publication.

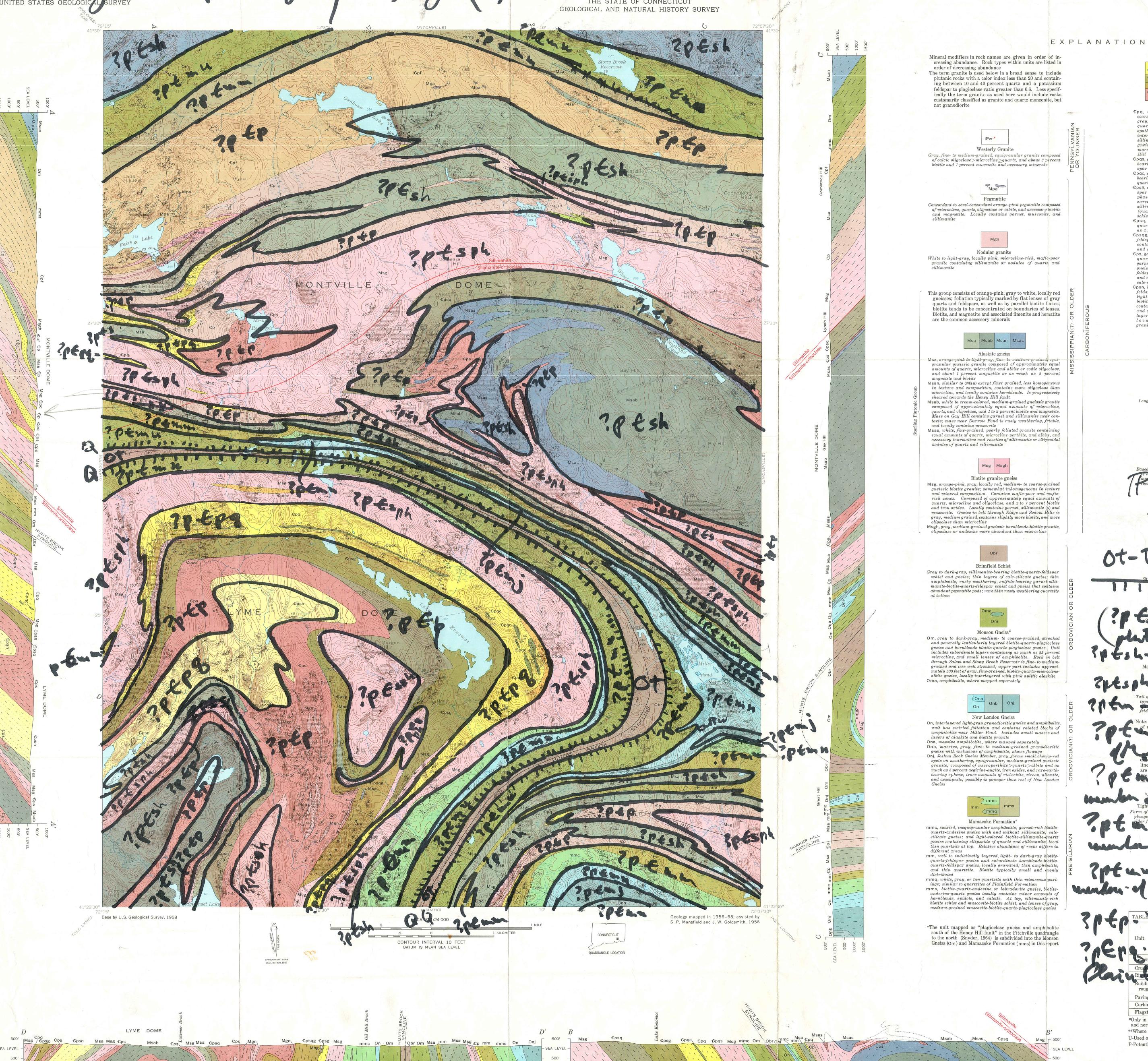
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Lyme Dome pq 🔷

€pq, thick- to thin-bedded,

gray, rarely pink or greenish

spathic quartzite; subordinate

quartzite; micaceous feld-

Epqs, garnet- and sillimanite-

€pqc, calc-schist and graphite-

Epsg, dark biotite-quartz-feld-

spar schist and gneiss, some

phases contain garnets; cal-

careous schist and gneiss;

(quartz and sillimanite)

sillimanitic and nodular

Epsq, white and light-gray

quartzite in layers as much

€psqg, gray, massive, biotite-

€ps, garnet-sillimanite-biotite-

quartz-feldspar g n e i s s;

 $garnet ext{-}biotite ext{-}quartz ext{-}feldspar$

gneiss; minor biotite-quartz-

feldspar gneiss; thin quartzite

and micaceous quartzite; and

calc-silicate layers and lenses

feldspathic quartzite; and

light-gray sugary textured

biotite-feldspar-quartz gneiss

containing nodules of quartz

and sillimanite; thin inter-

layers of sillimanite schist;

locally feldspathic and

Epsn, light-gray quartzite and

feldspar-quartz gneiss, locally contains nodules of quartz

as 2 feet thick

 $and\ sillimanite$

 $bearing\ micaceous\ felds pathic$

spar gneiss

bearing biotite-quartz-feld-

coarse- to fine-grained, white,

 $\mathfrak{S}\mathsf{pf}, thin\text{-}bedded, gray\ quartzite$ and schistose quartzite; thinbedded micaceous feldspathic quartzite; garnet-sillimanitebiotite schist; thick- to thinbedded, white to greenish-

Montville Dome and Quaker Hill Anticline

€p

interlayers of garnet- and white quartzite and diopsidic sillimanite-bearing schist and gneiss. Schist and gneiss quartzite; light- to dark-green more abundant near Sodom calc-schist containing tremolite and diopside; local am-

Ep, dark-gray, hornblende $b\ i\ o\ t\ i\ t\ e$ - quartz-plagioclase gneiss, in part diopsidic, and dark biotite-quartz-plagioclase gneiss containing varying amounts of microcline; $garnet ext{-}biotite ext{-}quartz ext{-}feldspar$ schist and gneiss; amphibolite; light-gray, sugary tex $tured\ biotite ext{-}feldspar ext{-}quartz$ gneiss, locally with sillimanite; minor thin-bedded gray quartzite and rare thick-

Epc, calc-silicate quartzite and Epq, quartzite, where mapped separately \mathfrak{C} ps, garnet-sillimanite-biotitequartz-feldspar schist and gneiss; garnet-biotite-quartzfeldspar gneiss; biotitequartz-feldspar gneiss; minor biotite-quartz-andesine gneiss

containing diopside and color-

less amphibole; thin quartzite,

bedded white quartzite

locally pyritic; rare thin calc-Epsq, thick- to thin-bedded, white, tan, or light-gray, rarely pale-green quartzite, beds rarely as much as 3 feet thick; thin-bedded micaceous quartzite, locally graphitic; thin interlayers of garnet-

 $and\ sillimanite\mbox{-}bearing\ schist$

Bedrock exposures

Individual outcrops and areas of abundant outcrops

Contact Long dashed where approximately located; short dashed where inferred; dotted where concealed

Trace of axial plane of overturned fold

sedimentary features

Inclined Vertical Undulatory
Strike and dip of mineral foliation and lenticular
layering not clearly hedding

TABLE SHOWING ECONOMIC USES OF CHITAIN ROCKS

45h	Unit Qua	Anskite greiss	Alaskite	Joshua Rock Gneiss Member	Boure granite gneiss	Monson Gneiss
	et er symbol	Msa	Msan	Onj	Msg	Om*
100	Crushed stone	** p	4		R	A
MAI	Rigrap	P	CAL	TO A	P	S.
	Building stone: rough construction	P		U	U	
	Paving blocks			U		
	Curbing			TT		

Flagstone *Only in upper part of belt through Stony Brook Reservoir and north of Salem Airport **Where fine grained

U-Used or has been used

P-Potential

REFERENCE CITED Snyder, G. L., 1964, Petrochemistry and bedrock geology of the Fitchville quadrangle, Connecticut: U.S. Geol. Survey