## UNITED STATES DEPARTMENT OF THE INTERIOR GEOLOGICAL SURVEY

## Prepared in cooperation with THE MASSACHUSETTS DEPARTMENT OF PUBLIC WORKS

	GLOEDGICAE BORYET																			ILAIL 2		
SYSTEM		Southeast Vermont (Doll and Others, 1961)	Northern Massachusetts (Hatch, 1969) See stratigraphic sections 1 and 2	achusetts Massachusetts New Hartford, and Tariffville West of Domes Ch, 1969) (This report) Quadrangles (Schnabel, in Hatch and others, 1968)  New Hartford, and Tariffville West of Domes (Stanley, 1964, 1968)  See stratigraphic See stratigraphic See stratigraphic		Collinsville and Bristol Domes (Stanley, 1964, 1968) See stratigraphic section 5	Torrington quadrangle (Martin, 1970) See stratigraphic section 6  Thomaston quadrangle (Cassie, 1965)		Waterbury quadrangle (Gates and Martin, 1967) See stratigraphic section 7	Southington quadrangle (Fritts, 1963a) See stratigraphic section 8		Mount Carmel quadrangle (Fritts, 1963b) See stratigraphic section 8		Ansonia and Milford quadrangles (Fritts, 1965a, b) See stratigraphic section 8		Naugatuck quadrangle (Carr, 1960) See stratigraphic section 9		Long Hill quadrangle (Crowley, 1968) See stratigraphic section 10	Bridgeport quadrangle (Crowley, 1968) See stratigraphic section 10	Eastern part of the Westport quadrangle (Dieterich, 1968a, b) See stratigraphic section 11		
NAN Town	per	Northfield Formation	Goshen Formation	Goshen Formation	Unit 5, exclusion basal coticus bearing bed	cule-	The Straits Schist	The Straits Schist	The Straits Schist, excluding feldspathic schist and granulite along northwest contact	Straits Schist in northeast and southeast parts of quadrangle	Southington Mountain Member and The Straits Schist Member	Southington Schist west Larsens Pon and Straits S a round larg amphibolite	of d fault Schist except	Southington Mountain Schist east of staurolite isograd	Sheared graphitic Derby Hill Schist north of Far Mill River	Southington Mountain Schist just west of East Derby fault	Derby Hill Schist north of Long Hill and Coram Hill  Month of Long Hill And Coram Hill	The Straits Schist Members of Hartland Formation	Orange now a Phyllite	The Straits Schist excluding upper member south of latitude of Trap Falls Reservoir	Lower member of The Straits Schist Schist Staurolite schist of the Southington Mountain Formation west of sillimanite isograd Cooks Pond Schist	The Straits Schist
SILURI	uie	haw Mountain Formation		Russell Mountain Formation	Unit 6	6	Unnamed calc-silicate and quartzite			Unnamed marble- amphibolite unit	Unnamed marble- amphibolite unit			Marble and an along east sid Schist				Amphibolite alo Prospect contact dolerite dike	0	Amphibolite along The Straits- Collinsville contact	Quartzite- amphibolite	Marble, amphibolite, quartzite, and calc-silicate rock along The Straits-Fairfield contact
	tion	Carbonaceous schist member	Hawley Formation	Thick-bedded member	Unit 5	Unit 7 in Massachusetts	Feldspathic schist (lower) member	Sweet- heart Mountain Member	Schist and granulite along northwest contact of The Straits Schist	Reynolds Spridge Reynolds Roads	Hitchcock Lake	Hitchcock Lake Member	Southington Mountain Schist east of Larsens Pond fault	Southington Mountain Schist west of staurolite isograd	Southington Mountain	Remainder of Southington Mountain Schist including quartz gneiss member	Maltby Lakes	dolerite Har	differentiated artland ormation	Collinsville Formation  Upper member of The Straits Schist south of latitude of Trap Falls Reservoir Trap Falls Formation  Southington Mountain Formation	Of The Straits Schist Mountain Formation Fast Derby fault	Fairfield Formation
ORDOVICIAN	Middle Missisquoi Forms	Barnard Volcanic Member	dies en V	Thin-bedded member	Unit 4	Rattle Forn	Carbonaceous schist (upper) member	Bristol Member	Hartland Unit III	Straits Scand Hill	Member Vion	3	Prospect Gneiss	Prospect Gneiss  fault		Prospect Gneiss	Volcanics	Gi of dil Waterbury	ospect Gneiss east of dolerite like and ault	Prospect Newtown Gneiss	Pumpkin Ground Member  Beardsley 1 Member	Upper member
		Moretown Member	Moretown Formation	Moretown Formation	Unit 3	ut near ngle	Ratlum Mountain Member  Breezy Hill Member	Taine Mountain Formation	Hartland Unit I	Undifferentiated granulite and schist	Hartland Materbu Formal	Waterbury Gneiss			Waterbury Gneiss		Derby Hill Schist south of Long and Coram Hills and southeast of syncline of Wepawaug Schist				Golden Hill Schist Member and calcareous member  Member  Member  Member  Member  Member  Member	Golden Hill Member
Low Low Wind	per	Stowe Formation Ottauquechee Formation Pinney Hollow	Rowe Schist	Green schist member	Unit	nit 7 in Connectic	Kyanite schist member  Rusty schist		Hartland Unit II										,		<sup>1</sup> We follow Crowley's interpretation in that the Beardsley Member of the Prospect is a facies of part of the Golden Hill Member (Crowley, 1968, p.37).	
Low Mind	2	Formation  Hoosac Formation	Hoosac Formation	Hoosac Formation	Unit 1		member		Waramaug Formation			* .	el									

## CORRELATION CHART FOR THE STRATIFIED ROCKS OF THE EAST LIMB OF THE BERKSHIRE MASSIF BETWEEN SOUTHEASTERN VERMONT AND LONG ISLAND SOUND, NEW YORK

[Although the stratigraphic names are those of the authors cited, the units in all columns are arranged in the stratigraphic order proposed in this report (B 1380) and are not necessarily in the order proposed by the authors of the original reports. Stratigraphic columns in the Southington,

Mount Carmel, Ansonia, New Milford, Naugatuck, Long Hill, Bridgeport, and Westport quadrangles are constructed on the assumption that The Straits Schist rests on a right-side-up pre-Silurian section. L.M. Hall (oral commun., 1971) suggested that the pre-Silurian section below The

Straits Schist may be inverted in the area south and east of the Waterbury dome. Vertical ruling represents intervals of nondeposition or erosion. Diagonal ruling represents section missing owing to faulting]