STRUCTURE SECTIONS

STATE OF MAINE
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MAINE
PENOBSCOT BAY QUADRANGLE

LEGEND

SEDIMENTARY ROCKS

	SHEET SYMBOL	SECTION SYMBOL		
Niagara	Sa	Sa	Ames Knob formation (fossiliferous limestone and red shale)	SILURIAN

UNCONFORMITY

	€p €pm	€p €pm	Penobscot formation and contact phases, €pm (slates and schists, locally injected and metamorphosed by granite and diorite)	CAMBRIAN?
	€b	€b	Battie quartzite (quartzite and quartzite conglomerate)	
	€cc €i	€cc €i	Islesboro formation and Coombs limestone member, €c (slates and schists locally quartzitic with shaly, quartzose, and occasional pure limestones)	
	€cw	€cw	Calderwood formation (slates and schists, probable equivalent to the Penobscot or the Islesboro formation.)	

UNCONFORMITY

Metamorphic	ew	ew	Ellsworth schist (crumpled green and gray schists)	CAMBRIAN OR PRE-CAMBRIAN

IGNEOUS ROCKS

	gr	gr	Biotite-granite (fine, medium, and coarse-grained granite)	DEVONIAN?
	di	di	Diorite, diabase, and gabbro (earlier differentiation from the granite magma.)	
	sp	sp	Serpentine	SILURIAN?
Younger than Ames Knob formation	Svh	Svh	Vinalhaven rhyolite (massive rhyolite, rhyolite porphyry, tuff, and flow breccia)	SILURIAN
	St	St	Thorofare andesite (massive andesite, andesite porphyry, amygdaloids, tuffs, and flow breccia)	

UNCONFORMITY

Contemporaneous with upper part of Islesboro formation	€nh	€nh	North Haven greenstone (diabase, basic trachyte, and albite-augite syenite, occurring as flows, dikes, sills, and pyroclastics.)	CAMBRIAN?
	€ct	€ct	Castine formation (rhyolite, andesite, and some dacite, occurring as flows, dikes, and pyroclastics)	

Faults

Geology by George Otis Smith, E. S. Bastin, and C. W. Brown.
Surveyed in 1902-04.

SURVEYED IN COOPERATION WITH THE STATE OF MAINE.

H. M. Wilson, Geographer in charge.
Topography by U. S. Coast and Geodetic Survey, W. H. Lovell, and Hersey Munroe.
Triangulation by U. S. Coast and Geodetic Survey.
Surveyed in 1900-1903.

SURVEYED IN COOPERATION WITH THE STATE OF MAINE.

APPROXIMATE MEAN DECLINATION 1902.

Scale 1/125000

1 1/2 0 1 2 3 4 5 Miles

1 1/2 0 1 2 3 4 5 Kilometers

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