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1. Geologic map of the Wellfleet quadrangle, Barnstable County, Cape Cod, Massachusetts, by Robert N. Oldale. Map and explanation (1 sheet), scale 1:24,000. Material from which copy can be made at private expense is available in the Boston office listed above.

2. Geologic map of the Orleans quadrangle, Barnstable County, Cape Cod, Massachusetts, by R. N. Oldale, Carl Koteff, and J. H. Hartshorn. Map and explanation (1 sheet), scale 1:24,000. Material from which copy can be made at private expense is available in the Boston office listed above.

3. Chemical analyses of selected samples of diabase and basalt from Connecticut, by R. W. Schnabel. 4 data sheets. Bldg. 25, Federal Center, Denver, Colo. 80225; 345 Middlefield Rd., Menlo Park, Calif. 94025.

4. Reconnaissance geologic map of part of the Milan quadrangle, New Hampshire-Maine and the Percy quadrangle, New Hampshire, by Daniel J. Milton. 1 sheet, scale 1:62,500. Bldg. 25, Federal Center, Denver, Colo. 80225; 345 Middlefield Rd., Menlo Park, Calif. 94025; and Maine Geological Survey, 211 State Office Bldg., Augusta, Me. 04330.

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UNITED STATES DEPARTMENT OF THE INTERIOR

U.S. GEOLOGICAL SURVEY

[Reports-Open file series]

Chemical analyses of selected samples of diabase and basalt from Connecticut

By Robert W. Schnabel, 1924–
(compiler)

Jw anal

Open-file report

1968

This report is preliminary and has not been edited or reviewed for conformity with U. S. Geological Survey standards and nomenclature.

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Lab No.	Description	Location	Quadrangle	Geologist (Collector)
E2060	Diabase, Mount Carmel stock	At Mount Carmel village 215,000 N.; 558,100 E.	Mount Carmel	C. E. Fritts
E2061	Diabase, West Rock sill	On West Rock Ridge 199,500 N.; 540,500 E.	Mount Carmel	C. E. Fritts
E2062	Porphyritic diabase	Mount Carmel village 214,400 N.; 555,700 E.	Mount Carmel	C. E. Fritts
E2063	Diabase, dike	City of Meriden 252,350 N.; 584,400 E.	Meriden	P. M. Hanshaw
E2064	Diabase, sill	West of Crowley's corner 359,500 N.; 566,800 E.	Avon	R. W. Schnabel
E2065	Basalt, Holyoke Formation	East side Shuttle Meadow Reservoir, 293,300 N.; 580,700 E.	New Britain	H. E. Simpson
E2066	Basalt, Holyoke Formation	Town of Berlin 275,500 N.; 591,400 E.	Meriden	P. M. Hanshaw
E2067	Basalt, Holyoke Formation	At Lake Louise 374,600 N.; 592,300 E.	Avon	R. W. Schnabel
E2068	Basalt, Holyoke Formation	Town of Berlin 269,500 N.; 577,657 E.	Meriden	P. M. Hanshaw
E2069	Basalt, Hampden Formation	At Wadham's road and Duncaster road 372,300 N.; 595,800 E.	Avon	R. W. Schnabel
E2070	Basalt, Talcott Formation	Town of Meriden 247,750 N.; 599,200 E.	Meriden	P. M. Hanshaw
E2071	Basalt, Talcott Formation	Town of Meriden 267,750 N.; 593,650 E.	Meriden	P. M. Hanshaw
E-2270	Basalt, fresh, dike	1/2 mile northwest of River Glenn, 333,350 N.; 567,400 E.	New Britain	H. E. Simpson
E2271	Basalt, fresh, Talcott Formation	East edge of Farmington 322,500 N.; 580,000 E.	New Britain	H. E. Simpson
E2272	Basalt, fresh, Holyoke Formation	1/2 mile east of Farmington 322,000 N.; 582,000 E.	New Britain	H. E. Simpson
E2273	Basalt, altered, Holyoke Formation, upper flow	Sherman quarry 306,000 N.; 580,000 E.	New Britain	H. E. Simpson
E2274	Basalt, fresh, Holyoke Formation, upper flow	Quarry 4, New Haven Company 305,500 N.; 579,900 E.	New Britain	H. E. Simpson
E2275	Basalt, fresh, Holyoke Formation, upper flow	Quarry 4, New Haven Company 305,500 N.; 579,900 E.	New Britain	H. E. Simpson
E2276	Basalt, fresh, Hampden Formation	Stanley Quarter Park 318,000 N.; 594, 500 E.	New Britain	H. E. Simpson
E2277	Basalt, fresh, Talcott Formation	Sunset Rock Park 302,500 N.; 573,500 E.	New Britain	H. E. Simpson
E2278	Basalt, fresh, Hampden Formation	Willow Brook Park 296,500 N.; 592,000 E.	New Britain	H. E. Simpson
E2279	Basalt, fresh, Hampden Formation	Road cut on State Route 72 near U.S. 5, 287,800 N.; 604,000 E.	Middletown	H. E. Simpson
E2280	Basalt, fresh, Talcott Formation	Southeast of Silver Lake	Meriden	P. M. Hanshaw
E2281	Basalt, altered, Holyoke Formation	North end Hanging Hills	Meriden	P. M. Hanshaw

D101513	Diabase, upper chill zone, sill	McLean game refuge 400,500 N.; 581,000 E.	Tariffville	R. W. Schnabel
D101514	Diabase	Manitook Mountain quarry 424,500 N.; 594,500 E.	Tariffville	R. W. Schnabel
D101515	Diabase, upper chill zone, sill	On The Knolls 396,500 N.; 573,500 E.	Tariffville	R. W. Schnabel
D101516	Diabase, sill	On Manitook Mountain 424,000 N.; 594,500 E.	Tariffville	R. W. Schnabel
H3619	Diabase, near bottom of sill	From abandoned quarry on Manitook Mountain, 424,500 N.; 594,500 E.	Tariffville	R. W. Schnabel
H3620	Basalt, Talcott Formation	U.S. Route 20 road cut. 406,000 N.; 601,000 E.	Windsor Locks	R. W. Schnabel
H3621	Basalt, Talcott Formation	Tariffville 391,500 N.; 597,000 E.	Tariffville	R. W. Schnabel
H3622	Diabase, dike	South end of Congamond Lakes 427,700 N.; 597,500 E.	Southwick	R. W. Schnabel

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Samples 2060 - 2071 analysed by Dorothy F. Powers.
" 2270 - 2281 " " June W. Goldsmith.
" D101513 - D101516 analysed by E. Engleman.
" H3619 - H3622 analysed by Paula Buschman.

Chemical analyses of selected samples of diabase and basalt from Connecticut

	SAMPLE	SIO2	AL203	FE203	FEO	MGO	CAO	NA2O	K2O	H2O+	H2O-
	E2060	51.8300	15.3700	1.9000	8.7300	5.7000	10.5400	2.2500	0.5500	0.8800	0.3900
	E2061	52.0100	14.9900	1.3800	8.4900	7.3300	10.9600	1.9800	0.3900	0.7100	0.2900
	E2062	51.6000	15.1500	1.4500	8.8200	7.5400	10.8400	2.0800	0.3400	0.7100	0.3800
	E2063	39.6600	15.0300	1.9900	5.7200	5.3700	15.2000	2.1400	0.3800	3.0200	0.5100
	E2064	52.3700	14.7400	2.8000	8.3800	4.8600	8.8800	2.8800	1.2100	1.4900	0.2400
L	E2065	51.6700	13.8800	3.6000	8.9100	5.6100	9.8100	2.4900	0.5200	0.9200	1.1400
L	E2066	51.2700	13.0700	4.4500	8.1900	5.7400	8.4200	3.9600	0.9000	1.6400	0.6900
L	E2067	52.4400	13.9100	2.4700	9.6900	6.0400	9.7900	2.4900	0.5100	0.6500	0.7000
L	E2068	50.9600	13.6500	9.0500	3.9000	5.1400	7.5200	4.8300	0.6500	1.8600	0.5200
M	E2069	46.5900	13.1100	3.2200	11.1400	5.8500	6.8000	4.4600	0.1000	4.0700	1.0100
T	E2070	51.8900	13.3100	4.1200	6.4100	7.2200	7.1200	4.1900	1.2100	2.2200	0.8300
T	E2071	42.2900	10.6900	1.9900	6.1000	6.0500	13.2900	1.3300	2.0500	3.8800	0.6600
	E2270	51.7800	14.4400	2.0100	8.2100	7.6300	10.5200	1.8800	0.5000	1.0200	0.4800
T	E2271	50.4700	14.1400	2.8300	7.2900	7.3800	8.3800	4.2400	0.3800	2.7900	0.4400
L	E2272	51.8000	13.8500	3.5200	8.8900	6.0900	5.7600	5.0200	0.5300	2.2400	0.5500
L	E2273	46.9700	12.0800	4.6300	3.8400	3.5400	12.4900	5.7400	0.3800	1.4600	0.6600
L	E2274	50.2700	13.8800	3.2700	9.0500	5.7600	6.7000	4.9300	0.1800	3.1400	0.6600
L	E2275	51.7300	14.0700	2.3500	10.1500	5.7300	9.5200	2.8300	0.3300	1.2000	0.4400
M	E2276	49.3800	13.1900	3.5400	11.2100	5.5900	7.6000	3.7100	1.1100	2.3100	0.2900
T	E2277	49.8800	14.2700	2.9100	6.9300	7.4100	10.1400	2.7700	0.4800	1.2300	2.0200
M	E2278	48.8300	13.1800	3.0000	11.4800	5.9700	8.1400	3.0800	1.6400	2.4500	0.3100
M	E2279	49.4300	13.1500	3.4300	11.1400	5.4800	7.8200	3.6200	1.2200	2.2700	0.2700
T	E2280	50.5500	13.2900	2.4500	5.3100	4.1400	11.0100	2.1000	1.0100	2.3500	0.3200
L	E2281	51.8000	13.9200	8.5100	4.5900	4.9500	4.8400	5.5400	0.6600	2.3000	1.0900
	D101513	52.0200	14.3300	2.2000	8.0600	7.5700	10.5000	2.0500	0.5900	1.1000	0.3400
	D101514	51.9900	14.3200	1.8500	8.0100	7.0700	10.9100	1.9100	0.4900	1.0300	0.2400
	D101515	51.9300	14.4500	1.6800	8.6600	7.3700	10.5500	1.9900	0.6700	0.6900	0.5600
	D101516	51.9900	14.4800	2.3100	7.9400	7.1900	10.5800	2.0300	0.8100	0.7700	0.4700
	H3619	52.1900	13.9900	1.6300	8.5500	7.8600	10.9300	1.8400	0.4500	0.6000	0.3200
T	H3620	51.9800	11.7400	1.5200	5.8500	5.4600	7.7200	2.1200	2.3400	3.5000	0.2700
T	H3621	51.3000	13.9300	2.8100	7.2000	7.7100	6.8800	4.1700	1.1600	2.1800	0.3800
	H3622	51.4700	14.2500	1.8400	8.0800	7.2200	7.7500	3.6000	1.5000	2.0900	0.2000

SCHNABEL CONNBASALT

	SAMPLE	TIO2	P2O5	MNO	CO2
	E2060	1.3600	0.1400	0.1600	0.0300
	E2061	1.1000	0.1200	0.1700	0.0100
	E2062	0.8400	0.1000	0.1900	0.0900
	E2063	1.3100	0.1400	0.5800	8.9000
	E2064	1.5800	0.1700	0.2000	0.0800
L	E2065	1.1100	0.1200	0.2300	0.0500
L	E2066	1.0300	0.0900	0.2000	0.3600
L	E2067	1.0000	0.0900	0.2000	0.0700
L	E2068	1.1000	0.1300	0.2000	0.4800
M	E2069	1.3900	0.1400	0.1600	0.0500
T	E2070	1.0100	0.1300	0.1600	0.0300
T	E2071	0.8700	0.0200	0.1600	10.4900
	E2270	1.1700	0.1300	0.1900	0.0600
T	E2271	1.1000	0.1500	0.1700	0.0900
L	E2272	1.0300	0.1300	0.2300	0.1900
L	E2273	0.6200	0.0800	0.1900	7.2800
L	E2274	1.1000	0.1500	0.1800	0.7000
L	E2275	1.0700	0.1400	0.2200	0.1000
M	E2276	1.4500	0.1800	0.2500	0.0100
T	E2277	1.1500	0.1300	0.1700	0.5400
M	E2278	1.3100	0.1500	0.2400	0.1200
M	E2279	1.3800	0.1800	0.2400	0.0200
T	E2280	1.0900	0.1000	0.1300	6.0400
L	E2281	1.1000	0.1500	0.1900	0.1400
	01O1513	1.1600	0.1300	0.1800	0.0100
	01O1514	1.1300	0.1400	0.2300	0.8700
	01O1515	1.1700	0.1300	0.2000	0.0200
	01O1516	1.1300	0.1300	0.1700	0.0100
	H3619	1.1600	0.1300	0.1800	0.0300
T	H3620	0.9500	0.1000	0.1200	5.8200
T	H3621	1.1500	0.1300	0.1800	0.4600
	H3622	1.1700	0.1300	0.1700	0.0200