

DEPARTMENT OF INTERIOR

U.S. GEOLOGICAL SURVEY

Table of major constituents, in percent, determined by point-count of stained
slabs of intrusive rocks of the Milford-Dedham zone, eastern Massachusetts,
and locality map of samples

by

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Geological Survey editorial standards and stratigraphic nomenclature.

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Major constituents, in percent, determined by point-count of stained slabs of intrusive rocks of the Milford-Dedham zone (1,200-2,000 points counted per slab. Totals may not sum to 100 because of rounding. Localities of samples are shown on accompanying map. Letters DMA omitted from sample numbers on the map)

Sample No.	UTM Grid		Quartz	K-feldspar	Plagio- clase	Mafic minerals
	N-S	E-W				
Dedham Granite south of the Boston basin (Zdgr)						
DMA 30	46770	3220	33.0	28.5	33.6	5.0
DMA 32	46781	3196	29.4	23.8	45.6	1.2
DMA 33	46779	3197	29.6	35.8	32.6	2.1
DMA 34	46767	3196	10.2	15.3	62.5	12.0
DMA 34A	46766	3190	29.7	29.4	37.5	3.4
DMA 41	46481	3050	46.7	30.5	22.5	.3
DMA 93	46813	3242	31.0	38.1	24.3	6.6
DMA 94	46603	3158	34.4	36.7	24.7	4.5
DMA 98	46729	3360	30.9	38.4	29.1	1.5
DMA 99	46729	3360	25.7	39.7	31.9	2.7
DMA 100	46717	3361	20.0	42.1	30.9	7.0
DMA 101	46701	3369	31.2	20.0	43.2	5.6
DMA 102	46677	3358	25.0	29.8	39.3	5.9
DMA 104	46718	3387	22.4	44.4	24.6	8.5
DMA 105	46723	3388	19.6	10.8	64.5	5.1
DMA 108	46621	3429	30.0	35.8	32.5	1.6
DMA 109B	46720	3425	30.9	29.3	35.2	4.5
DMA 116	40787	3421	15.4	30.8	44.0	9.8
DMA 117A	46798	3462	21.0	18.4	51.2	9.2
DMA 119	46799	3475	20.3	33.5	39.6	6.7
DMA 120	46804	3485	29.4	35.4	29.4	5.8
DMA 121	46807	3494	19.4	22.4	45.0	13.2
DMA 123	46773	3524	29.7	36.8	28.8	4.7
DMA 129	46597	3568	30.2	47.6	19.9	2.3
DMA 132	46566	3571	30.1	45.0	22.3	2.6
DMA 138	46601	3552	38.5	32.8	23.4	5.3
DMA 140	46588	3536	35.0	11.1	49.8	4.1
DMA 143	46618	3456	37.0	28.3	33.3	1.4
DMA 146	46644	3392	30.0	28.0	38.9	3.1
DMA 147	46646	3390	24.4	15.0	48.9	11.6
DMA 150	46632	3353	26.1	28.5	41.4	4.0
DMA 151	46649	3346	29.2	37.9	30.9	2.0
DMA 153B	46653	3316	30.8	39.2	27.9	2.0
DMA 157	46614	3248	26.9	20.4	46.3	6.3
DMA 158	46590	3231	32.1	29.8	33.9	4.2
DMA 159	46587	3205	29.7	24.9	34.1	6.3
DMA 160	46613	3182	34.7	41.6	19.3	4.4

Table cont.

Sample no.	UTM Grid		Quartz	K-feldspar	Plagio- clase	Mafic minerals
	N-S	E-W				
DMA 166	46609	3295	26.7	24.4	43.6	5.2
DMA 196	46558	3009	27.9	35.0	34.0	3.0
DMA 201	46695	3018	33.9	39.1	23.5	3.6
DMA 203	46663	3048	34.1	39.4	24.8	1.7
DMA 204	46654	3018	29.5	33.2	35.4	1.9
DMA 208	46805	3150	26.7	39.0	30.0	4.3
F 1	46588	3000	39.1	36.1	24.2	.6
W 3	46576	3042	2.6	51.4	34.0	11.9
W 4	46568	3059	24.9	28.4	40.0	6.7
W 6	46567	3061	35.3	28.3	28.3	8.1

Dedham granite north of the Boston basin (Zdngr)

DMA 65	47038	3328	29.0	12.1	41.9	17.1
DMA 66	47040	3329	26.4	32.5	36.9	4.2
DMA 67	47052	3321	26.1	2.8	59.1	17.0
DMA 127	46988	3162	27.6	29.9	35.9	6.6

Topsfield Granodiorite (Ztgr)

DMA 60	47334	3480	30.6	.0	47.5	21.9
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Dedham Granite west of the Boston basin (Zdgr)

DMA 1	46925	3134	36.6	31.7	27.5	4.2
DMA 3	46907	3128	37.0	20.2	37.1	5.7
DMA 5	46882	3089	31.8	30.0	34.1	3.8
DMA 6	46883	3089	33.4	17.9	43.3	5.5
DMA 7	46851	3105	34.2	39.5	25.9	.4
DMA 8	46839	3089	28.3	50.4	18.4	2.8
DMA 9	46817	3060	34.8	7.2	48.9	8.8
DMA 10	46827	3064	4.7	30.4	53.0	10.9
DMA 13	46813	3022	28.8	35.9	28.2	7.1
DMA 19	46891	2984	39.9	26.1	25.9	8.1
DMA 20	46885	2987	28.8	23.5	40.8	7.0
DMA 174	46844	3038	38.2	39.1	18.8	3.9

Westwood Granite (Zwgr)

DMA 29	46772	3218	26.2	35.9	33.6	4.3
DMA 31	46790	3184	31.5	36.5	28.4	3.6
DMA 36	46744	3182	35.0	29.3	32.5	3.2
DMA 44	46687	3315	28.5	35.7	30.9	3.9
DMA 70	46688	3318	31.9	34.2	28.9	5.0
DMA 206	46794	3182	30.7	33.4	32.4	3.6

Table cont.

Sample no.	UTM Grid		Quartz	K-feldspar	Plagio- clase	Mafic minerals
	N-S	E-W				
DMA 209	46774	3124	28.5	37.3	32.1	2.1
DMA 109	46720	3425	28.8	35.0	32.9	3.3
DMA 110	46725	3427	19.6	35.0	41.6	3.7
DMA 117B	46790	3462	26.3	47.5	25.1	1.0
DMA 137	46715	3414	24.5	33.4	38.4	3.8

Milford Granite (Zmgr,Zmgd)

DMA 14	46837	2970	38.8	36.3	18.7	6.2
DMA 22	46709	2926	32.3	38.3	26.3	3.1
DMA 27	46729	3072	28.1	34.8	33.4	3.2
DMA 28	46703	3108	28.4	29.5	38.7	2.9
DMA 179	46726	2957	28.6	43.7	25.6	2.2
DMA 183	46775	2960	32.0	26.1	32.5	9.3
DMA 194	46865	2972	17.9	55.3	24.1	2.6
Mi 3	46702	2931	36.1	33.4	23.2	7.3
Mi 4 (Zmgd)	46718	2918	37.0	38.4	17.3	7.3
Mi 5	46727	2910	38.4	4.9	42.1	14.2

Granite of the Fall River pluton (Zfgr)

A 2	46313	3338	30.5	34.0	32.2	3.2
A 3	46310	3315	30.9	31.4	36.2	1.5
A 5b	46290	3309	38.2	34.2	24.7	2.8
A 7	46300	3306	33.9	35.2	28.7	2.2
A 8	46285	3291	24.8	41.4	28.1	5.7
A 9	46283	3294	36.5	33.0	28.9	1.7
A 10	46242	3276	32.5	39.4	24.2	3.9
A 11	46253	3263	37.1	38.4	21.7	2.7
AP 1a	46269	3371	32.6	28.9	33.7	4.8
AP 4	46319	3362	25.3	9.1	51.7	13.9
AP 6	46331	3341	33.8	34.9	25.6	2.7
AP 7	46293	3374	31.5	35.3	29.4	3.7
FR 2	46165	3224	19.5	42.8	31.7	6.0
FR 3	46163	3187	32.3	21.4	39.5	6.8
FR 8	46187	3221	35.9	35.9	20.2	7.9
FR 12	46184	3202	42.0	40.1	15.6	2.3
FR 15	46162	3223	29.2	25.4	34.7	10.8
FRE 3	46189	3237	33.9	30.8	28.3	4.4
FRE 4	46231	3234	36.3	33.8	19.8	10.1
FRE-11	46234	3252	33.2	38.1	23.1	5.6
FRE-12	46211	3261	37.2	33.9	25.2	3.7
T 1	46099	3178	40.0	28.1	27.2	5.0

Table cont.

Sample no.	UTM Grid		Quartz	K-feldspar	Plagio- clase	Mafic minerals
	N-S	E-W				
Porphyritic granite (Zpgr)						
NBN 9	46146	3411	30.6	28.0	34.1	7.3
We 2	45968	3240	16.2	55.1	21.8	5.9
We 4	45987	3270	25.4	45.3	20.7	8.5
NBN 22	46179	3422	30.0	25.4	27.4	14.0