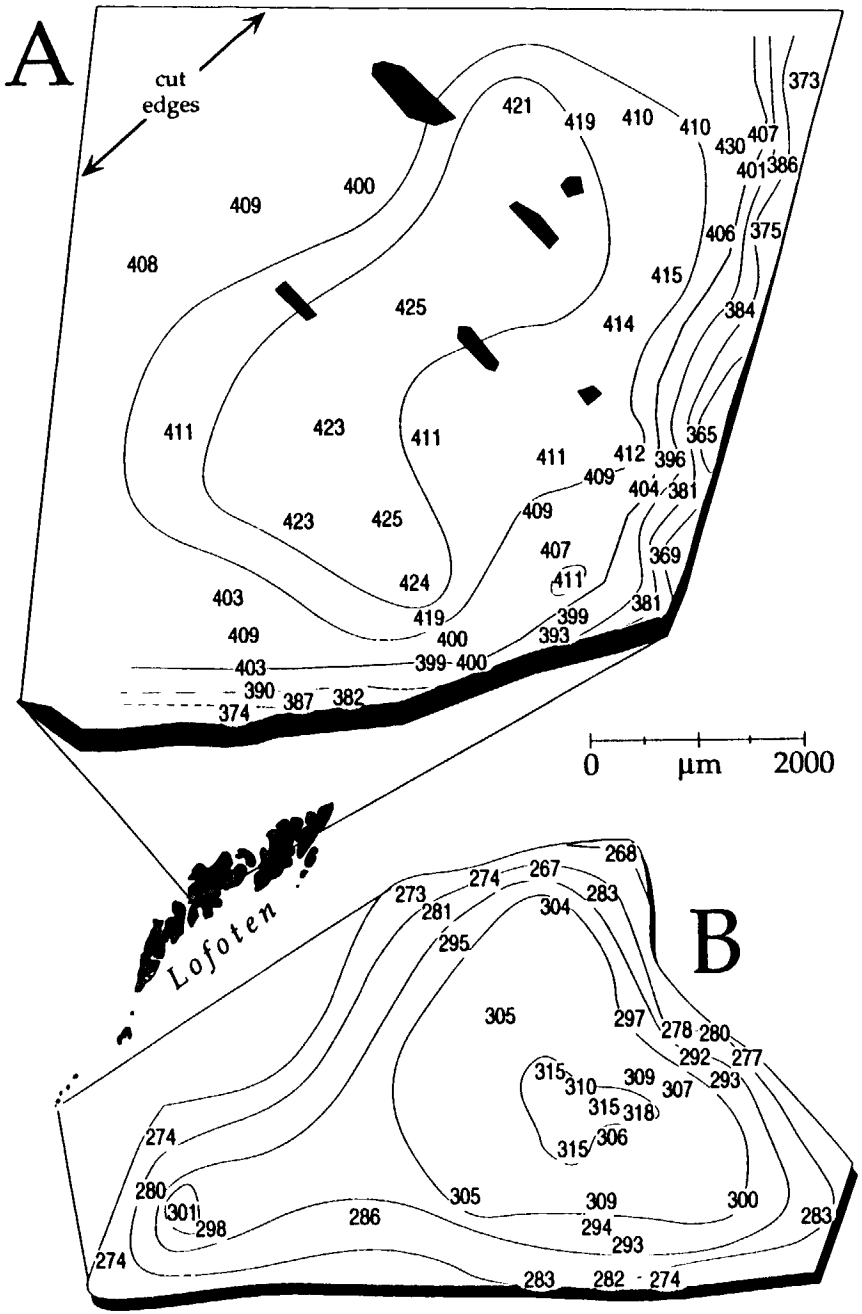
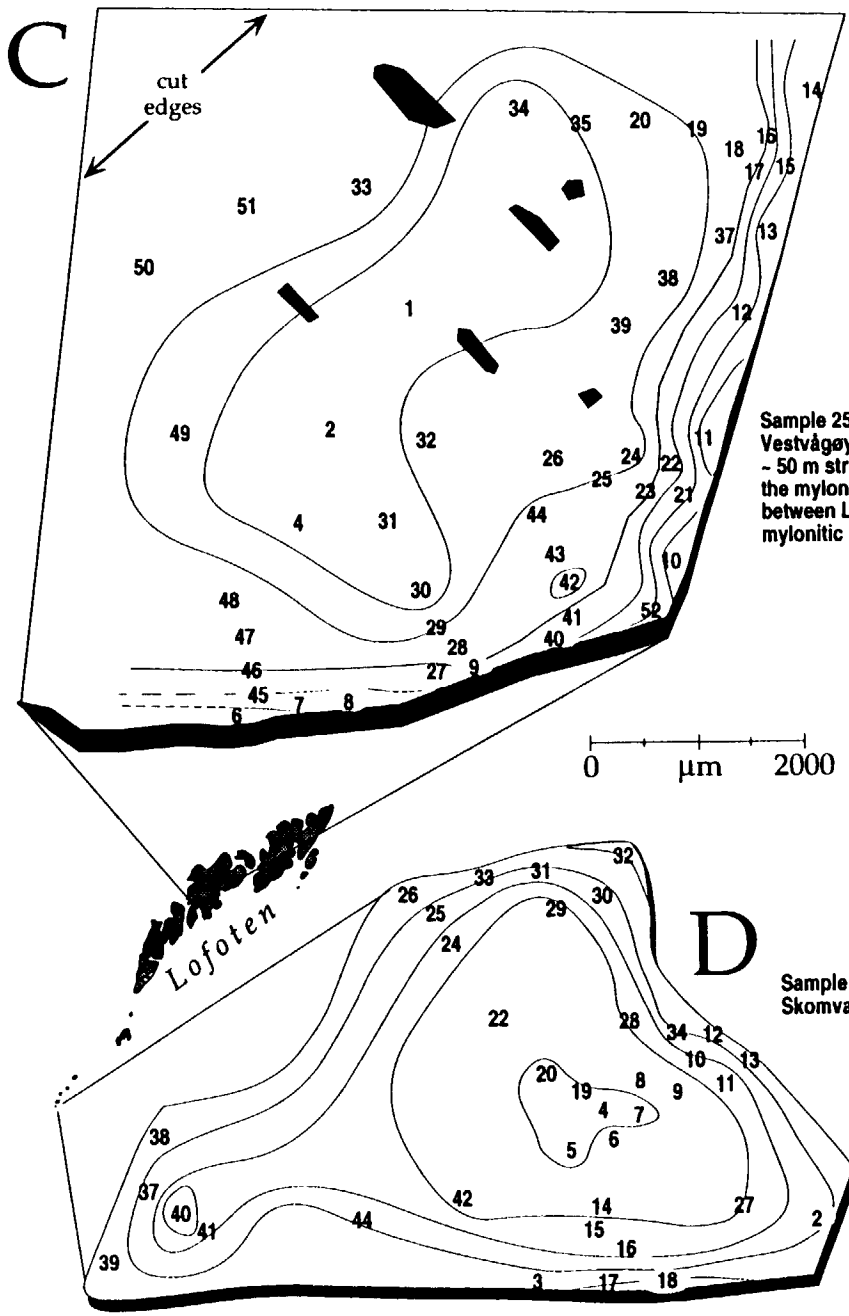
Figure 2 from Hames and Andresen



Key to Analyses ('Spot #') in data table for samples 25B-93 and 4-93.



Sample 25B-93;
Vestvågøy, sampled
~ 50 m structurally above
the mylonitic contact
between Leknes Group and
mylonitic granite of the WGR

Sample 4-93;
Skomvær, SW Lofoten

Data used to construct muscovite zoning maps by Hames and Andresen; for Geology data repository.

Muscovite sample 25B-93 from Vestvågøy, Lofoten (cl19 7c mus, Figure 2a).			J value: 0.0172 ± 0.0002				
Spot #	Ar 40 rad (x10-14)	Ar 39 K (x10-15)	Ar 38 Cl(x10-18)	Ar 37 Ca(x10-18)	36Aratm. (x10-18)	%40Ar*	Age (Ma)
1	3.01 ± 0.03	1.95 ± 0.02	0.30 ± 0.01	0.8 ± 2.9	23.3 ± 2.1	81.4	426 ± 15
2	4.53 ± 0.07	2.95 ± 0.04	6.62 ± 0.19	0.9 ± 2.8	270.2 ± 3.0	36.2	423 ± 22
4	2.14 ± 0.03	1.39 ± 0.02	0.17 ± 0.01	1.0 ± 2.2	3.1 ± 0.7	95.9	423 ± 12
5	6.33 ± 0.07	4.51 ± 0.06	6.50 ± 0.40	13.8 ± 0.4	0.9 ± 1.7	99.4	390 ± 10
6	8.67 ± 0.12	6.47 ± 0.05	22.22 ± 1.12	5.9 ± 1.3	3.0 ± 1.2	98.8	374 ± 7
7	6.42 ± 0.11	4.62 ± 0.06	10.16 ± 0.21	7.4 ± 3.6	2.6 ± 0.9	98.8	387 ± 10
8	3.66 ± 0.04	2.67 ± 0.02	5.85 ± 0.16	9.6 ± 2.6	5.9 ± 0.8	95.4	382 ± 7
9	5.66 ± 0.04	3.92 ± 0.06	8.86 ± 0.67	13.1 ± 6.1	1.7 ± 0.8	99.1	400 ± 8
10	3.74 ± 0.05	2.84 ± 0.02	19.71 ± 1.26	4.4 ± 1.4	2.0 ± 1.2	98.3	369 ± 9
11	1.65 ± 0.02	1.27 ± 0.02	6.09 ± 0.19	9.2 ± 2.6	2.8 ± 1.7	95.2	365 ± 18
12	2.59 ± 0.02	1.88 ± 0.02	6.42 ± 0.46	7.4 ± 4.4	1.6 ± 1.4	98.2	384 ± 12
13	1.72 ± 0.02	1.28 ± 0.02	6.99 ± 0.27	14.7 ± 4.2	2.4 ± 0.9	96.0	375 ± 11
14	5.17 ± 0.06	3.86 ± 0.03	22.18 ± 0.48	5.1 ± 1.2	0.4 ± 1.3	99.6	373 ± 8
15	8.64 ± 0.16	6.24 ± 0.11	23.32 ± 1.96	4.9 ± 1.4	3.2 ± 1.3	98.7	386 ± 12
16	5.22 ± 0.04	3.54 ± 0.04	5.53 ± 0.19	0.4 ± 2.4	8.0 ± 1.3	95.7	407 ± 9
17	3.35 ± 0.02	2.31 ± 0.03	7.96 ± 1.60	6.6 ± 4.6	4.8 ± 1.0	96.0	401 ± 9
18	10.26 ± 0.13	6.59 ± 0.07	81.67 ± 3.93	5.0 ± 2.2	321.4 ± 4.7	51.9	429 ± 14
19	1.71 ± 0.01	1.15 ± 0.00	4.18 ± 0.23	0.4 ± 2.9	100.4 ± 1.9	36.5	410 ± 17
20	4.06 ± 0.05	2.74 ± 0.01	37.87 ± 1.34	3.1 ± 1.5	96.1 ± 2.9	58.8	410 ± 14
21	11.76 ± 0.15	8.59 ± 0.11	11.86 ± 0.35	11.4 ± 4.3	1.5 ± 1.0	99.6	381 ± 8
22	8.39 ± 0.07	5.88 ± 0.06	7.23 ± 0.18	4.8 ± 4.1	1.1 ± 1.4	99.6	396 ± 7
23	11.13 ± 0.11	7.63 ± 0.09	7.31 ± 0.21	4.7 ± 4.8	4.7 ± 1.6	98.8	404 ± 8
24	9.99 ± 0.09	6.69 ± 0.09	14.06 ± 0.22	4.6 ± 4.6	1.1 ± 1.0	99.7	412 ± 8
25	5.12 ± 0.05	3.46 ± 0.02	5.97 ± 0.26	8.3 ± 5.3	0.4 ± 1.7	99.8	409 ± 9
26	8.17 ± 0.09	5.49 ± 0.06	5.53 ± 0.10	7.4 ± 6.5	1.3 ± 0.8	99.5	411 ± 7
27	13.16 ± 0.18	9.14 ± 0.13	14.30 ± 0.64	17.3 ± 5.1	2.4 ± 0.7	99.5	399 ± 8
28	3.90 ± 0.03	2.70 ± 0.02	7.15 ± 0.15	11.9 ± 5.0	2.8 ± 0.8	97.9	400 ± 7
29	3.08 ± 0.03	2.03 ± 0.02	2.03 ± 0.10	0.9 ± 4.3	0.7 ± 0.8	99.4	419 ± 8
30	4.89 ± 0.04	3.17 ± 0.04	4.47 ± 0.26	3.5 ± 4.1	0.8 ± 0.8	99.5	424 ± 9
31	7.39 ± 0.10	4.79 ± 0.04	5.49 ± 0.11	10.0 ± 4.6	0.3 ± 1.1	99.9	425 ± 9
32	8.93 ± 0.11	6.00 ± 0.07	8.69 ± 0.22	10.1 ± 4.9	3.2 ± 0.8	98.9	411 ± 8
33	15.91 ± 0.17	11.01 ± 0.09	27.14 ± 0.38	36.0 ± 4.3	604.9 ± 6.6	47.1	401 ± 11
34	4.83 ± 0.04	3.16 ± 0.03	5.61 ± 0.09	15.6 ± 4.0	52.4 ± 1.4	75.7	421 ± 9
35	3.99 ± 0.04	2.62 ± 0.02	1.95 ± 0.06	0.9 ± 2.5	10.0 ± 1.7	93.1	419 ± 11
36	6.83 ± 0.09	4.55 ± 0.05	7.60 ± 0.10	1.7 ± 2.9	0.4 ± 1.5	99.8	414 ± 9
37	7.32 ± 0.07	4.98 ± 0.05	7.88 ± 0.29	8.5 ± 2.7	23.4 ± 1.2	91.4	407 ± 8
38	4.38 ± 0.05	2.92 ± 0.03	2.34 ± 0.06	3.8 ± 4.5	4.4 ± 1.2	97.1	415 ± 10
39	5.51 ± 0.07	3.68 ± 0.02	6.54 ± 0.09	8.0 ± 3.3	0.0 ± 0.9	100.0	414 ± 8
40	5.59 ± 0.03	3.95 ± 0.05	3.56 ± 0.07	14.4 ± 3.6	4.2 ± 1.4	97.8	393 ± 9
41	12.91 ± 0.13	8.96 ± 0.10	19.14 ± 0.30	14.4 ± 3.1	7.8 ± 1.2	98.2	399 ± 7
42	14.37 ± 0.22	9.65 ± 0.14	17.67 ± 0.10	15.5 ± 4.5	2.1 ± 1.0	99.6	411 ± 9
43	7.12 ± 0.10	4.84 ± 0.05	6.74 ± 0.26	6.9 ± 2.9	0.9 ± 0.9	99.6	407 ± 8
44	5.74 ± 0.06	3.88 ± 0.05	7.15 ± 0.28	3.3 ± 2.8	1.3 ± 1.2	99.3	409 ± 9
45	37.36 ± 0.29	26.63 ± 0.26	35.06 ± 0.74	63.4 ± 2.7	4.7 ± 2.2	99.6	390 ± 6
46	8.91 ± 0.11	6.12 ± 0.05	12.92 ± 0.21	16.5 ± 3.1	0.7 ± 1.9	99.8	403 ± 9
47	6.48 ± 0.07	4.38 ± 0.04	9.34 ± 0.15	19.3 ± 3.3	1.1 ± 0.9	99.5	410 ± 7
48	7.19 ± 0.10	4.94 ± 0.02	9.55 ± 0.17	5.3 ± 2.8	1.5 ± 1.0	99.4	403 ± 7
49	12.82 ± 0.17	8.60 ± 0.12	13.65 ± 0.20	12.8 ± 3.3	132.9 ± 2.8	76.5	412 ± 11
50	6.84 ± 0.07	4.63 ± 0.03	9.55 ± 0.13	6.0 ± 3.5	3.4 ± 1.2	98.5	408 ± 7
51	3.92 ± 0.03	2.64 ± 0.02	7.19 ± 0.21	7.0 ± 2.5	1.1 ± 1.0	99.2	410 ± 8
52	7.84 ± 0.07	5.74 ± 0.06	8.98 ± 0.13	8.3 ± 7.6	1.4 ± 0.9	99.5	381 ± 7

Data for analyses is in moles; age errors do not include error in J-value.
Errors are quoted at two sigma, propagated from precision of sample and blank measurements, and interfeering nuclear reactions.

Muscovite sample 4-93 from Skomvær, Lofoten (cl19 10c mus, Figure 2b).			J value: 0.0172 ± 0.0002				
Spot #	40Ar*(x10-14)	39ArK(x10-15)	38Ar Cl(x10-18)	37Ar Ca(x10-18)	Ar 36 atm.(x10-18)	% 40Ar*	Age (Ma)
2	3.20 ± 0.05	3.24 ± 0.05	8.29 ± 0.34	35.4 ± 3.4	5.31 ± 1.73	95.3	283 ± 10
3	5.97 ± 0.10	6.04 ± 0.07	20.50 ± 0.70	26.2 ± 3.3	657.45 ± 8.21	23.5	283 ± 21
4	11.05 ± 0.10	9.95 ± 0.06	30.79 ± 0.23	40.4 ± 2.5	1221.21 ± 10.19	23.4	315 ± 14
5	7.79 ± 0.10	7.03 ± 0.09	22.92 ± 0.51	0.0 ± 0.1	541.14 ± 2.76	32.8	315 ± 15
6	4.31 ± 0.05	4.01 ± 0.04	3.33 ± 0.12	0.0 ± 5.0	0.40 ± 1.02	99.7	306 ± 7
7	2.31 ± 0.03	2.06 ± 0.01	-0.42 ± -0.03	0.9 ± 2.6	0.40 ± 0.75	99.5	318 ± 7
8	7.05 ± 0.07	6.48 ± 0.07	6.52 ± 0.16	0.5 ± 1.3	0.40 ± 0.90	99.8	309 ± 6
9	4.53 ± 0.02	4.20 ± 0.04	6.94 ± 0.23	0.7 ± 2.4	14.59 ± 0.92	91.3	307 ± 5
10	5.56 ± 0.08	5.44 ± 0.06	2.85 ± 0.10	0.6 ± 1.5	5.00 ± 0.80	97.4	292 ± 6
11	5.36 ± 0.08	5.22 ± 0.07	7.87 ± 0.26	0.6 ± 2.2	0.40 ± 0.71	99.8	293 ± 7
12	18.79 ± 0.36	19.28 ± 0.34	22.57 ± 0.56	0.6 ± 0.7	1.37 ± 0.95	99.8	280 ± 8
13	5.39 ± 0.06	5.59 ± 0.06	-0.63 ± -0.02	2.1 ± 2.5	0.40 ± 1.53	99.8	277 ± 7
14	3.80 ± 0.04	3.50 ± 0.03	4.01 ± 0.15	0.8 ± 2.8	0.40 ± 1.00	99.7	309 ± 6
15	4.11 ± 0.03	4.00 ± 0.03	2.73 ± 0.08	0.7 ± 2.1	2.24 ± 1.27	98.4	294 ± 6
16	4.75 ± 0.04	4.64 ± 0.05	6.38 ± 0.26	2.1 ± 1.8	5.85 ± 1.17	96.5	293 ± 6
17	20.42 ± 0.31	20.75 ± 0.24	27.47 ± 0.29	44.0 ± 4.2	161.61 ± 4.14	81.0	282 ± 7
18	2.95 ± 0.03	3.09 ± 0.03	7.47 ± 0.41	13.5 ± 2.2	2.26 ± 1.13	97.8	275 ± 7
19	4.64 ± 0.05	4.27 ± 0.02	7.52 ± 0.22	2.1 ± 2.4	8.75 ± 0.83	94.7	310 ± 5
20	2.44 ± 0.02	2.20 ± 0.02	5.67 ± 0.29	7.6 ± 5.5	17.07 ± 1.45	82.9	315 ± 9
22	11.78 ± 0.15	10.97 ± 0.10	27.45 ± 0.51	25.7 ± 3.7	624.86 ± 6.55	39.0	306 ± 11
24	10.31 ± 0.17	9.97 ± 0.12	19.70 ± 0.26	21.3 ± 3.3	97.61 ± 2.75	78.1	295 ± 9
25	26.15 ± 0.40	26.66 ± 0.42	49.87 ± 0.99	29.6 ± 5.3	30.07 ± 1.01	96.7	281 ± 7
26	6.70 ± 0.09	7.05 ± 0.08	13.48 ± 0.42	11.9 ± 2.1	5.04 ± 1.58	97.8	273 ± 7
27	11.26 ± 0.23	10.70 ± 0.16	18.37 ± 0.35	22.0 ± 6.6	22.54 ± 1.65	94.4	300 ± 9
28	6.36 ± 0.05	6.10 ± 0.05	8.86 ± 0.07	0.5 ± 2.5	8.23 ± 0.83	96.3	297 ± 5
29	8.09 ± 0.07	7.59 ± 0.03	12.97 ± 0.14	6.4 ± 2.4	81.56 ± 3.08	77.0	304 ± 6
30	38.49 ± 0.35	38.93 ± 0.37	58.82 ± 0.41	42.6 ± 2.7	21.86 ± 0.90	98.3	283 ± 4
31	43.14 ± 0.33	43.06 ± 0.37	47.41 ± 0.74	43.3 ± 4.3	17.10 ± 1.25	98.8	287 ± 4
32	12.62 ± 0.16	13.55 ± 0.22	16.93 ± 0.36	56.7 ± 3.8	3.62 ± 0.99	99.2	268 ± 6
33	14.94 ± 0.23	15.69 ± 0.26	18.40 ± 0.74	15.9 ± 4.1	7.79 ± 0.93	98.5	274 ± 7
34	11.32 ± 0.18	11.67 ± 0.13	16.02 ± 0.15	11.3 ± 2.7	69.51 ± 0.37	84.6	278 ± 6
37	21.18 ± 0.37	21.73 ± 0.26	38.28 ± 0.41	24.2 ± 3.2	57.49 ± 0.55	92.6	280 ± 6
38	4.14 ± 0.04	4.33 ± 0.04	10.24 ± 0.45	12.7 ± 3.6	7.02 ± 1.13	95.2	274 ± 6
39	18.62 ± 0.30	19.48 ± 0.34	27.23 ± 0.36	24.4 ± 5.1	11.12 ± 0.59	98.3	275 ± 7
40	10.90 ± 0.17	10.34 ± 0.08	13.96 ± 0.15	15.6 ± 3.4	15.69 ± 1.86	95.9	301 ± 7
41	12.59 ± 0.22	12.06 ± 0.18	21.54 ± 0.46	18.7 ± 5.0	150.96 ± 1.95	73.8	298 ± 9
42	12.54 ± 0.13	11.70 ± 0.12	16.37 ± 0.68	9.0 ± 2.6	34.66 ± 1.77	92.4	305 ± 6
44	8.02 ± 0.08	8.04 ± 0.11	20.15 ± 0.29	13.3 ± 3.8	198.15 ± 2.05	57.8	286 ± 8
*Analyses 1, 21, 23, 35, 36, and 43 from sample 4-93 had radiogenic 40Ar yields less than 20%, and these were not included.							

Data for analyses is in moles; age errors do not include error in J-value.
Errors are quoted at two sigma, propagated from precision of sample and blank measurements, and interfeering nuclear reactions.