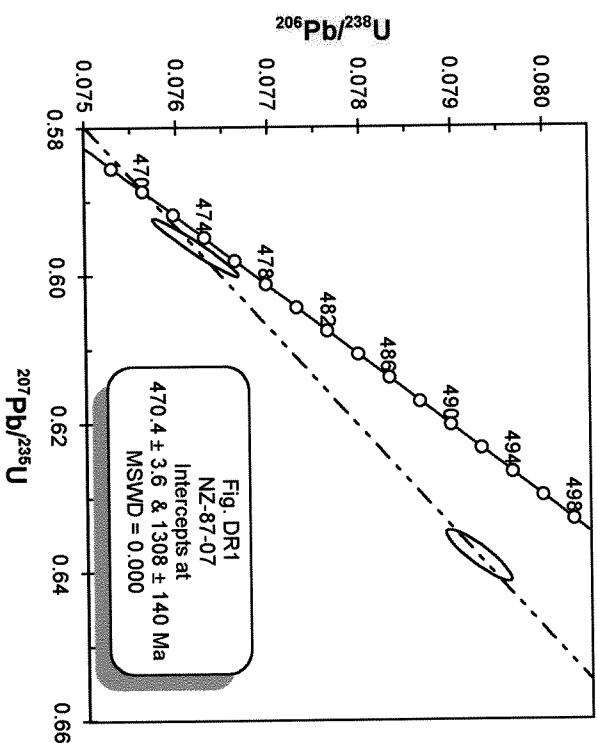
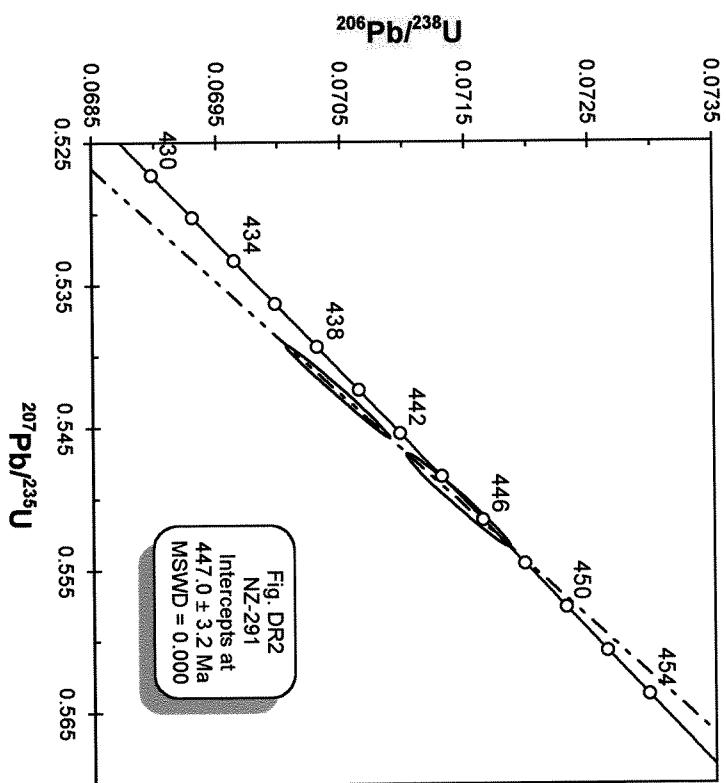
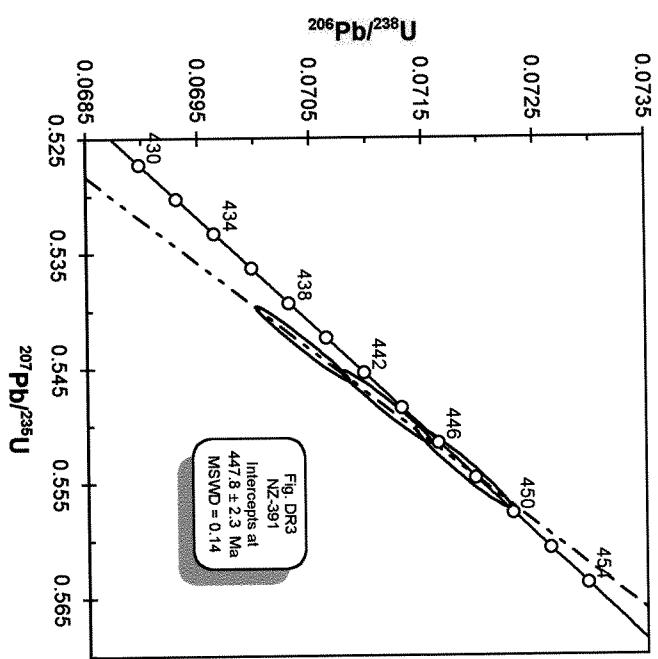


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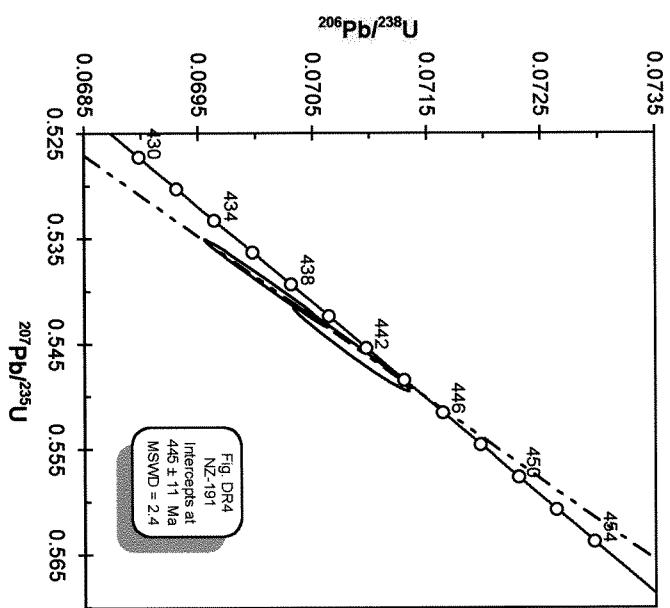


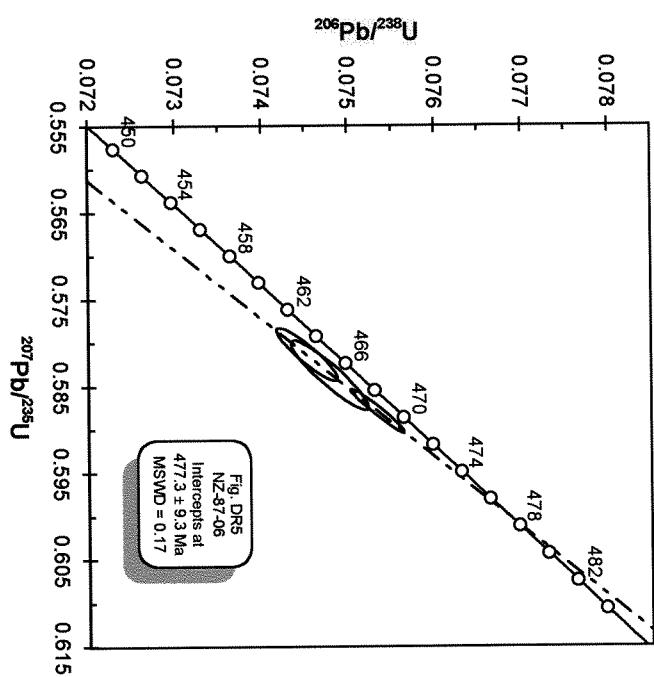


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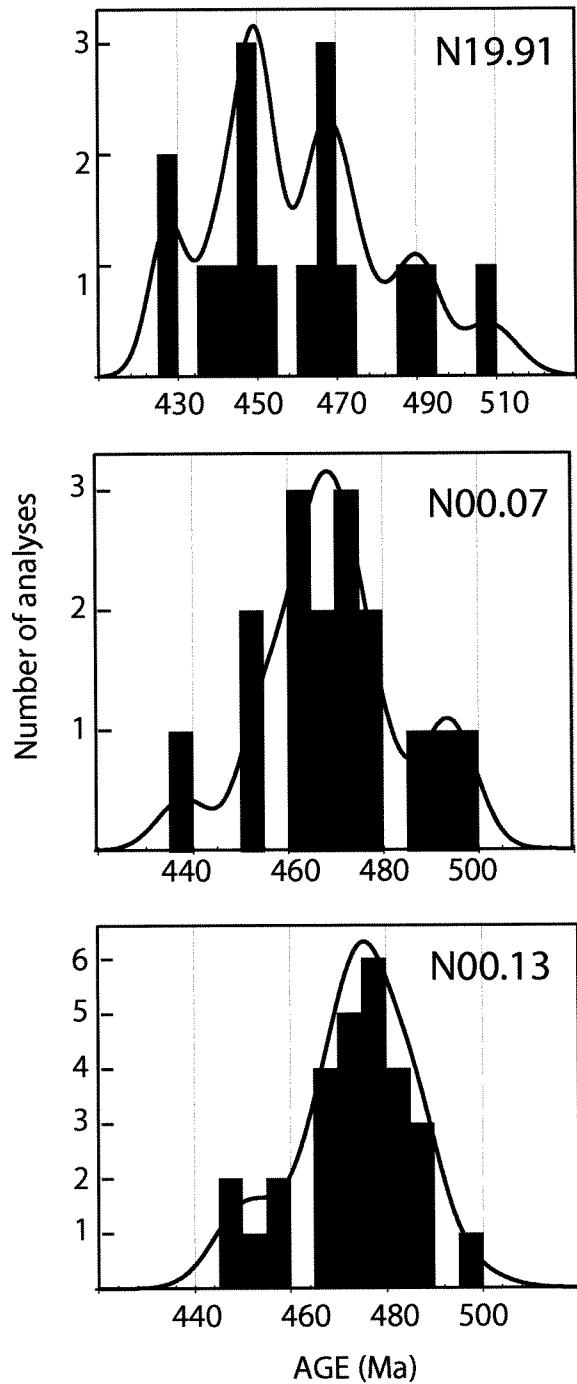


Figure DR6. Histograms of SHRIMP U-Pb zircon dates for small granite body adjacent to a Velfjord pluton (N19.91) and Vega pluton (N00.07 and N00.13).

Table DR1. Summary of TIMS U-Pb zircon results.

No.	Prop.	Wt. (mg) ^a	FRACTIONS		CONCENTRATIONS		MEASURED		ATOMIC RATIOS						AGE (Ma)	
			U (ppm) rad	Pb (ppm) tot. comm.	Pb (pg)	$\frac{^{206}\text{Pb}}{^{204}\text{Pb}}$	$\frac{^{208}\text{Pb}}{^{206}\text{Pb}}$	$\frac{^{206}\text{Pb}}{^{238}\text{U}}$	$\frac{^{207}\text{Pb}}{^{235}\text{U}}$	$\frac{^{207}\text{Pb}}{^{206}\text{Pb}}$	$\frac{^{207}\text{Pb}}{^{206}\text{Pb}}$	$\frac{^{206}\text{Pb}}{^{238}\text{U}}$	Rho	+/-	+/-	
NZ-191	abr	0.38900	482.7	35.2	53	13780	0.1502	0.07009	44	0.5393	34	0.99	0.05580	3	436.7	
NZ-191	abr	0.78000	45.9	3.5	78	1887	0.1647	0.07084	42	0.5455	33	0.99	0.05585	6	441.2	
NZ-291	abr	0.41800	249.1	21.7	12	24703	0.3799	0.07048	34	0.5425	27	0.99	0.05583	3	439.0	
NZ-291	abr	0.13100	406.8	32.8	24	7735	0.2519	0.07144	34	0.5502	27	0.98	0.05586	5	444.8	
Nz-391	abr	0.38600	294.0	23.2	40	10628	0.2296	0.07117	33	0.5485	26	0.98	0.05589	6	443.2	
NZ-391(1)		0.21400	299.3	23.5	14	12042	0.2428	0.07043	34	0.5429	27	0.98	0.05591	5	438.7	
NZ-391(2)	abr	0.26200	269.3	21.6	10	17238	0.2433	0.07185	35	0.5537	29	0.97	0.05589	7	447.3	
N-87-06		0.06800	387.9	29.3	55	2003	0.1005	0.07478	37	0.5838	33	0.92	0.05662	12	464.9	
N-87-06		0.06800	357.4	26.4	25	5445	0.0961	0.07533	25	0.5879	21	0.97	0.05660	5	468.2	
N-87-06		0.66700	400.8	29.8	27	23666	0.0958	0.07452	29	0.5814	25	0.92	0.05658	10	463.3	
N-87-07		0.05500	433.7	33.8	51	2048	0.0697	0.07927	29	0.6380	29	0.90	0.05838	12	491.8	
N-87-07		0.03100	2406.8	177.8	58	5499	0.0649	0.07621	38	0.5962	32	0.97	0.05674	7	473.4	

MSWD values were not calculated where only two fractions were analyzed.

Table DR3. Average rim compositions and Al-in-hornblende pressure for Andalshatten and Tosbotn plutons.

Oxide weight percent

	Andalshatten pluton		Tosbotn pluton	
	ave.	std. dev.	ave.	std. dev.
SiO ₂	42.17	1.17	44.63	0.26
TiO ₂	0.85	0.19	1.1	0.17
Al ₂ O ₃	11.34	0.8	8.62	0.1
FeO	19.3	0.82	17.22	0.27
MnO	0.4	0.07	0.3	0.03
MgO	9.37	0.55	11.33	0.18
CaO	11.97	0.16	11.65	0.1
Na ₂ O	1.2	0.06	1.89	0.08
K ₂ O	1.21	0.13	1.06	0.03
Sum	97.79		97.82	
Cl	0.08	0.01	0.09	0.03
F	b.d.		b.d.	
Less O=Cl	-0.02		-0.02	
TOTAL	97.78		97.8	

Cations per 23 oxygens

Si	6.429	0.123	6.721	0.016
Ti	0.097	0.023	0.125	0.019
Al	2.039	0.154	1.531	0.019
Fe ²⁺	2.461	0.119	2.17	0.036
Mn	0.051	0.009	0.038	0.003
Mg	2.128	0.113	2.545	0.038
Ca	1.955	0.025	1.881	0.016
Na	0.354	0.021	0.552	0.022
K	0.235	0.028	0.204	0.006
Cl	0.021	0.004	0.023	0.007
F	b.d.		b.d.	
Total	15.77	0.08	15.79	
Mg/(Mg+Fe)	0.46	0.02	0.54	0.01
P(kb), Schmidt	6.7	0.7	4.3	0.1
# analyses	9		15	