

Zn blasthole distribution for 3830 1973

002106

* using cut-off of 7.5% per block

BL	TONS(p)	Zn(p)	Zn(m)	Z(p) - Z(m)
66-44	56,769	7.5	5.8	1.7
66-32	55,591	5.0	6.2	-1.2
65-11	113,773	7.5	7.2	0.3
70-06	37,872	6.2	6.1	0.1
70-05	93,280	5.9	5.7	0.2
70-01	10,836	6.9	5.3	1.6
70-16	94,222	7.5	5.5	2.0
65-04	27,325	6.1	4.8	1.3
70-02	78,205	3.6	5.0	-1.4
70-03	11,307	7.5	5.1	2.4
70-09	16,018	4.2	5.2	-1.0
65-5A	188,444	5.7	6.3	-0.6
66-15	140,497	5.4	5.6	-0.2
70-14	107,414	7.5	6.4	1.1
66-23	57,947	6.8	6.8	0.0
65-08	15,076	7.5	7.6	-0.1
72-03	167,951	5.9	6.3	-0.4
66-08	48,996	7.0	5.6	1.4

wt. avg.	1,321,523	$\bar{x} = 6.21$ $s = 1.07$	$\bar{x} = 6.05$ $s = 0.63$	$\bar{x} = +0.16$ $s = 0.97$
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st. avg.	$\bar{x} = 6.32$ $s = 1.20$ $n = 18$	$\bar{x} = 5.92$ $s = 0.77$ $n = 18$	$\bar{x} = 0.40$ $s = 1.15$ $n = 18$
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* more smoothing required

$$t_{17} = \frac{0.16}{0.86/\sqrt{18}} = 0.70$$

∴ accept H_0 that $Z_n(p) - Z_n(m) = 0$