

Pb distributions for 1973  
3830, 3870 & 3910 benches.

002088

3830

BL	TONS(p)	PB(p)	PB(m)	PB(p) - PB(m)	TONS (m)		
66-44	56,769	5.3	4.1	1.2			
66-32	55,591	2.4	4.5	-2.1			
65-11	113,773	7.3	5.1	2.2			
70-06	37,872	4.0	5.0	-1.0			
70-05	93,280	4.3	3.8	0.5			
70-01	10,836	3.0	3.3	-0.3			
70-16	94,222	6.8	3.6	3.2			
65-04	27,325	4.0	3.0	1.0			
70-02	78,205	1.8	2.9	-1.1			
70-03	11,307	3.2	3.0	0.2			
70-09	16,018	1.5	4.4	-2.9			
65-5A	188,444	4.9	5.2	-0.3			
66-15	140,497	4.0	4.6	-0.6			
70-14	107,414	4.9	5.4	-0.5			
66-23	57,947	6.4	5.6	0.8	weighted averages.		
65-08	15,076	6.3	5.9	0.4	4.85	4.72	+0.13
72-03	167,951	5.1	5.6	-0.5	S=1.44	S=0.86	
66-08	48,996	5.6	5.8	-0.2			

$\bar{x} = 4.49$   
 $S = 1.68$

$\bar{x} = 4.49$   
 $S = 1.03$

$\bar{x} = 0.00$   
 $S = 1.43$  } straight averages

3870

70-01	53,707	2.9	3.1	-0.2
65-04	63,129	6.0	2.9	3.1
70-16	9,894	2.7	4.3	-1.6
70-03	55,591	4.6	3.6	1.0
70-02	76,085	2.0	3.4	-1.4
65-5A	63,129	6.0	5.4	0.6
66-14	65,014	2.6	3.4	-0.8
70-04	94,222	2.2	3.8	-1.6
70-11	50,409	2.0	3.4	-1.4
70-09	141,333	2.5	5.8	-3.3
66-08	121,547	4.3	4.7	-0.4
72-03	94,223	5.2	4.9	0.3
66-23	2,827	5.8	4.7	1.1
66-04	3,769	1.8	4.3	-2.5
72-07	50,881	6.2	5.8	0.4

BL	TONS(p)	PB(p)	PB(m)	PB(p) - PB(m)	TONS(m)
70-03	80,089	3.7	2.7	1.0	
70-08	9,422	1.8	1.8	0.0	
66-14	88,569	3.4	3.7	-0.3	
66-39	13,191	3.6	2.8	0.8	
70-04	2,827	3.4	5.9	-2.5	
70-11	94,222	1.4	4.0	-2.6	
66-09	58,419	3.6	4.8	-1.2	
66-35	18,845	4.1	2.5	1.6	
66-04	15,075	1.8	3.3	-1.5	
70-09	73,493	4.2	5.3	-1.1	
66-08	9,422	4.3	3.3	1.0	
72-07	83,387	4.3	4.1	0.2	
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straight averages.

$\bar{x}_1 = 3.94$	$\bar{x}_2 = 4.19$	$\bar{x}_3 = -0.25$
$s = 1.59$	$s = 1.08$	$s = 1.46$
$n = 45$	$n = 45$	$n = 45$

weighted averages.

$\bar{x}_1 = 4.18$	$\bar{x}_2 = 4.47$	$\bar{x}_3 = -0.29$
$x_2 - x_1$ diff = 0.29	$x_2 - x_1$ = 0.28	$x_2 - x_1$ diff = 0.03

$$PB(m) \bar{X} - PB(p) \bar{X} = +0.29$$

- This shows that the difference in % PB(m) and % PB(p) is independent of block size.
- % PB(m) distribution is smoother around the mean
- % PB(m) dist. has a mean +0.29 greater than the % PB(p) dist.