Approx

Code	Base Mission –	No	HOB	Weapl	FCDB Est
21000	petrol / pipeline	– 90	0		
41	Comms	– 200	160		L
42	Power station	– 280	0		
45	Bridge / Rail	– 5	0		
60	Nw fabricat / storage	– 200	0	851	C
61	Aircraft factory	– 10	2000		H
63	Weapon factory	– 5	2000		H
64	Vehicle factory	– 7	2000		H
66	CW fabricatn / storage –	– 30	0	818	
67	Shipyard	– 15	2000		H
68	Missile factory	– 30	2000		H
74	Government control	– 50	160		L
80	Airfield	– 210	~~120~~ 0	881	C?
81	Airforce HQ	– ~~30~~ 25	160		C
82	Air Defence CP	– 30	0	851	
83	?	50	142		C
84	Space facilities	~~12~~ 15	160		L
85	Radar	10	0	851	
86	Air [illegible]	25	0		
87	~~HCB~~ Missile (Sil icbm)	600	0	883	C
88	Rail Mobile Missile	420	0	883	C
89	National Command	70	140		L
91	Army HQ	100	360		
95	Naval base	30	160		
96	Naval HQ	10	160		L
97	Naval ammo store	20	0	818	
		2447			

160
70
110
345

275
600
420
1295

by HOB

			@50%
0 –	1910		805
140-360 –	550	617	225
2000 –	67		33.

by mode

C – 1295
L – 365
H – 67

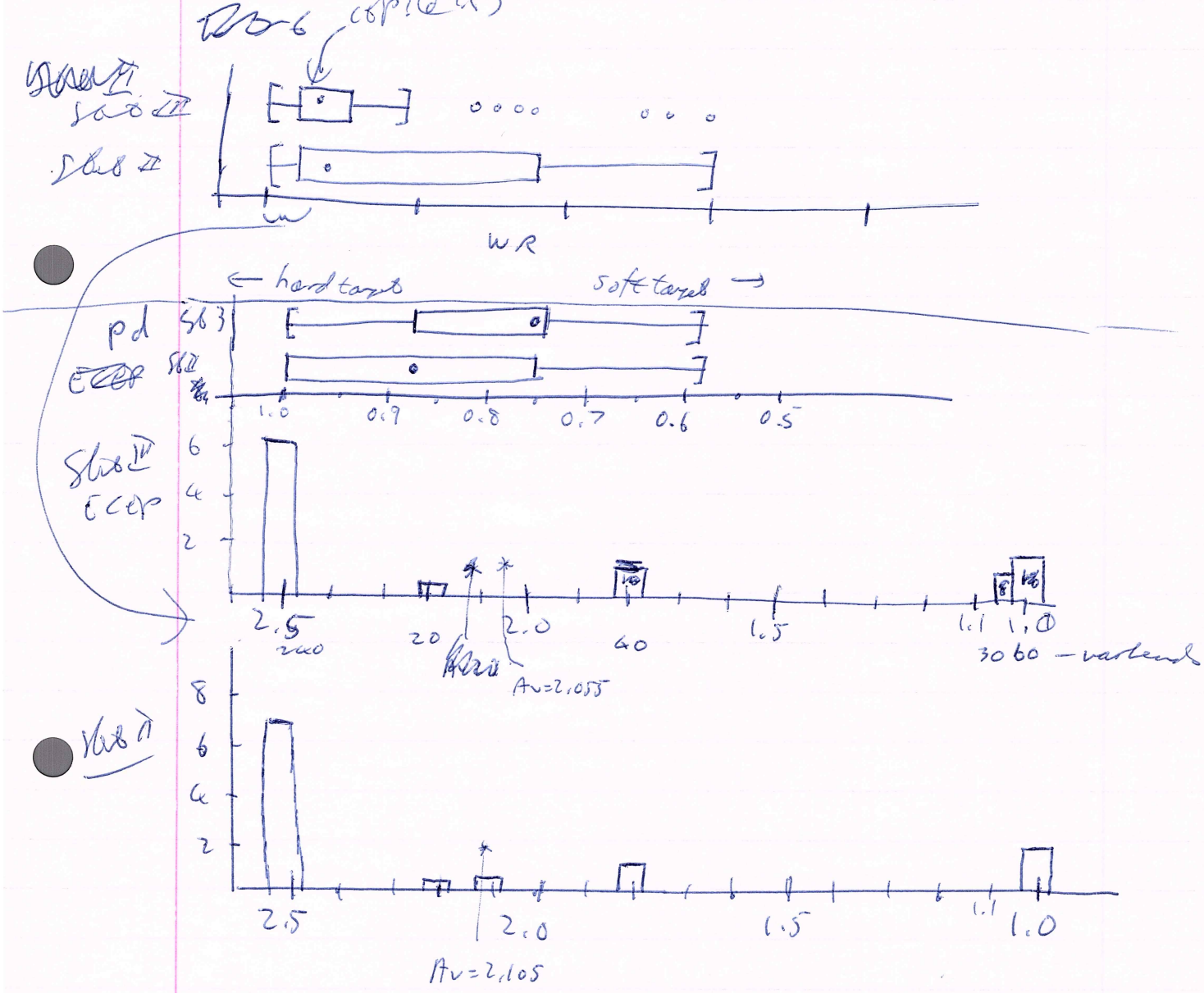
122
30.5

152.5

1.0 × 16 = 16.0
1.03 × 8 = 8.24
1.79 × 10 = 17.9
2.18 × 5 = 10.9
2.5 × 61 = 152.5
122
---
205 54

WR depend on ⓐ target hardness
ⓑ magma yield

∴ for spent yield — WR profile reflects the target hardness profile ↑



ECEP < 2.5 is added to 25% of target with smaller WR

Cat	Base Mission		Well Layer role
871	ICBM – (HOB=0)	W76 – 25 ICBM – 240 Air(9) – 30 295	W76 – 40 W88 – 38 ICBM – 95 Air(9) – 120 293
878	Missile land cabl (HOB = 140)	W76 – 20 ICBM – 32 52	W76 – 38 W88 – 3 ICBM – 8 Air(9) – 5 54

Ei Lyr Sta

Cat III Stockpile allocation W76

	%		1000 wps			eff COP	%	valued
108	39	W76	390		→	1.0	16%	60
63	14	W88	140			1.03	8%	30
49	6	ICBM3	60	} 330		1.79	10%	40
	6	ICBM4	60			2.18	5%	20
37	21	ICBM5	210			2.5	61%	240
15	4	Az6	40	} 140				
	2	Az7	20					
	8	Az8	80					
	0	Az9	0					

Av = 2.055

W88	1.0	100%	140
ICBM3	3.8	98%	59
ICBM4	1.5	98%	59
ICBM5	0.8	100%	210
Az6	1.0	98%	40
Az7	1.5	90%	18
Az8	1.0	100%	80

68
58 | 4000
352
480
464
16

3
58 | 1831

2.105
58 | 12'469
116
86
58
289
2940

1.8
4
3
7.2

426

43
58 | 2'00
174
26

58 | 100

26
29
31
99

40

19
58 | 110
58
520
522

6
58 | 4000
352
48

1 x 11 = 11.0
1.8 x 4 = 7.2
2.13 x 2 = 4.26
2.23 x 1 = 2.23
2.5 x 40 = 100.0
11
124.69

Eff CEP

2.5 - largest employing maximum capabilities

1.0 tightest lowest capability

	Slot II mean WR	Slot II mean PD	Slot II Eff CEP	Slot II ECEP WR	Slot III WR	Slot III PD	Slot III Eff CEP	Slot III ECEP WR
W76	1.5	0.88	2.105	1.4	1.4	0.75	2.055	1.4
L88	5.5	1.0	~~1.0~~ 1.15	0.22	4.2	1.0	1.0	0.24
ICBM3					~~*~~ 3.6	1.0	3.8	
ICBM4					3.8	~~1.~~ 0	< ~~2~~ 1.5	<0.3
ICBM5	3.0	1.0	~~0.5~~ 0.8	0.27	3.2	1.0	~~0.5~~ 0.8	0.25
* Az6	1.0	0.88	~~0.5~~ 0.8		4.0	1.0	< 1.0	0.25
Az7	4.0	1.0	~~0.5~~ 1.0	0.25	1.0	0.78	< 1.5 *	< 1.5
Az8	1.0	0.75	~~1.5~~ 1.4	1.4	5.5	1.0	< 1.0	0.19
Az9	5.5	1.0	~~0.20~~ 0.95	0.173				

B83?

If PD = 1.0 Eff CEP = ~~1.4~~ WR x 0.25

If PD = 0.75 Eff CEP = ~~WR x 1.4~~ WR x 1.4

If Eff CEP Nom W 88 ?

StabII - Sc A, B C (series A)

StabIII - Sc D, E, F, G. (series B).

Each Sc - 1000 tgbs

Wpn - mech - full byloses - upr rid - series A

- Optimb - series B.

mn - 1000

Interquartile range ☐

1.5 x interquartile range

If PD = 1 ECEP = WR/a

If PD = 0.75 ECEP = WR x 1.a

Station II

W76

ECEP	%	
1.0	19	
1.8	7	
2.13	3	] 13
2.23	2	
2.5	68	

Av = 2.105

Station III

W76

ECEP	%	
1.0	16	] 24
1.03	8	
1.79	10	
2.18	5	] 66
2.5	61	

Av = 2.055

19.7
3.3
5.6
17.9

485

44
38

352
132

1672

44
42

88
176

1848

44
12

88
44

528

44
7

308

47
42

94
188

1974

47
38

376
141

1786

47
35

235
141

1645

47
15

235
47

705

47
7

329

47.7
9.4

5.64

16.5
30.5

47

18.5
3
5.3
16.7

435

(fusizption?) ← "5 groups which had 6x6 assigned to them".

Stat II albatr

%		Waders (X fate) (x fate)
58	W76	580
7	W88	70
26	ICBM5	260
2	Az6	20
3	Az7	30
1	Az8	10
5	Az9	50

Margin: 65, 91, 93, 96, 97, 02

Eff COP

		%	Waders (x fate)
W76	1.0	19	110
	1.8	7	40
	2.13	3	20
	2.23	2	10
	2.5	68	400

Mean 2.3
Av = 2.105

		%	Waders
W88	1.015	100	70
ICBM5	0.8	100	260
Az6	0.8	100	20
Az7	1.0	100	30
Az8	1.4	100	10
Az9	0.95	100	50.

Waders	WR Mean # by... Stat II	Stat III		Rel Mean Stat II	Stat III
W76	1.5	1.4	W76	0.88	0.75
W88	5.5	4.2	W88	1.0	1.0
ICBM3		3.6	ICBM3		1.0
ICBM4		3.8	ICBM4		1.0
ICBM5	3.0	3.2	ICBM5	1.0	1.0
Az6	1.0	4.0 !	Az6	0.85	! 1.0
Az7	4.0	1.0 !	Az7	1.0	! 0.28
Az8	1.0	5.5 !	Az8	0.75	0 ! 1.0
Az9	5.5	8.5 !	Az9	1.0	1.3

eg 1.5.

$$
\begin{array}{r}
19 \\
55\overline{)1000} \\
55 \\
\hline
450
\end{array}
$$

$$
\begin{array}{r}
173 \\
55\overline{)9500} \\
55 \\
\hline
400 \\
385 \\
\hline
150
\end{array}
$$

$$
\begin{array}{r}
25 \\
32\overline{)800} \\
64 \\
\hline
160
\end{array}
$$

$$
\begin{array}{r}
27 \\
3\overline{)800} \\
6 \\
\hline
20
\end{array}
$$

$$
\begin{array}{r}
1.4 \\
1.4 \\
\hline
56 \\
14 \\
\hline
19.6
\end{array}
$$

$$
\begin{array}{r}
1147 \\
14\overline{)2055} \\
655 \\
56 \\
\hline
98 \\
98
\end{array}
$$

$$
\begin{array}{r}
0.22 \\
55\overline{)150} \\
105 \\
\hline
100
\end{array}
$$

$$
\begin{array}{r}
39 \\
38\overline{)1500} \\
114 \\
\hline
360 \\
342 \\
\hline
180
\end{array}
$$

$$
\begin{array}{r}
2.4 \\
42\overline{)1000} \\
84 \\
\hline
160
\end{array}
$$

$$
\begin{array}{r}
3 \\
38\overline{)1500} \\
6
\end{array}
$$

$$
\begin{array}{r}
1.4 \\
15\overline{)210} \\
15 \\
60 \\
60 \\
\hline
00
\end{array}
$$

Optimum stockpile 10/3

Syntn	yield	% finished
1	431	5
2	25	3
3	167	

1+6 5
3 - 3
5 - 2
1 - 4~~4~~3
4 - 47
~~2~~
10D.

Scott II / Sear A Sec A

Syntn	yield	~~OOR~~ %	Eff CEP	Eff CEP %	~~OO~~ %
1	431	~~8~~ ~~47~~ 44	250	42	~~19~~ 18.5
1	431	~~8~~ ~~47~~ 44	275	7	~~23~~ 3
1	431	~~8~~ ~~47~~ 44	325	~~10~~ 12	~~4.75~~ 5.3
1	431	~~8~~ ~~47~~ 44	450	38	~~17.9~~ 16.7
2	25	~~8~~ ~~1.5~~ 3	250	30	1.0
2	25	~~8~~ ~~1.5~~ 3	360	15	0.5
2	25	~~8~~ ~~1.5~~ 3	400	52	1.5
3	167	~~2~~ 3	75	90	~~3~~ 2.7
3	167	~~2~~ 3	370	10	~0.3
4	500	~~44~~ ~~47~~ 47	100	50	23.5
4	500	~~44~~ ~~47~~ 47	325	15	7.0
4	500	~~44~~ ~~47~~ 47	425	35	16.5
5	302	~~47~~ ~~4~~ 2	275	40	0.8
5	302	~~47~~ ~~44~~ 2	425	60	1.2
? 6	25	2	75	10	0.2
6	25	2	425	90	1.8

12x12
= 144

Nhpt yield in main Sec A - 42% or less
above - 91%

Cpd = 0.88
1 w 76 - 0.88
2 w 76 - 0.9x

Optimum standyield

Av ECOP for high yield (>400kt)

	ECOP	%	
431	250	18.5	4625
	275	3	825.
	325	5.3	1722.
	450	16.7	7515
500	100	23.5	2350
	325	7.0	2275
	425	16.5	7012
			263 25

Av EH CEP for high yield = 263.

for ICBMs EH CEP = 0.8

→ Normalised EH CEP
1.0 ≙ 329

$\frac{8x}{10} = 263 \therefore x = \frac{2630}{8}$

8) 2630 = 329

18.5 × 250 = 4625.0
275 × 3 = 825
325 × 7 = 2275
325 × 5.3 = 1722.5
425 × 16.5 = 7012.5
16.7 × 450 = 7515.0

263