

REPOSITORY PNNL  
COLLECTION Marshall Islands  
BOX No. 5684  
FOLDER Untitled

DOCUMENT DOES NOT CONTAIN ECI

Reviewed by <sup>3</sup> S. Schueller Date 4/30/97

CONFIDENTIAL

Bikini - Risk Calculation - August 23, 1980

Living Condition	Pop.	Dose	30 year Man Rem	Number of Cancer Deaths			
				BEIR I		BEIR III***	
				Relative Updated** (310/454) (568)	Absolute Updated** (95/87) (115)	Relative	Absolute
(Risk Coefficients - per 10 <sup>6</sup> /man rem)							
Eneu - 100%							
1. Imported food	550	3.0	1650	0.87 (0.8) 0.937	0.157 (0.1) 0.19	0.30	0.11
2. No imported food	550	6.0	3300	1.023 (1.0) 1.874	0.314 (0.3) 0.38	0.60	0.22
Bikini - 100%							
3. Imported food	550	25.	13750	0.63 (0.6) 7.81	1.31 (1.1) 1.58	2.5	0.92
4. No imported food	550	47.	25850	8.014 (8.0) 14.68	2.46 (2.2) 2.97	4.7	1.73
Eneu - 330, Bikini 35							
5. Imported food	550	3.4	1870	0.85 (0.8) 1.062	0.178 (0.1) 0.215	0.34	0.125
6. No imported food	550	6.5	3575	1.11 (1.1) 2.03	0.34 (0.3) 0.41	0.65	0.24
Eneu (1 on and 1 off)							
7. Imported food	350	1.5	525	0.24 (0.2) 0.298	0.0499 (0.05) 0.060	0.096	0.035
8. No imported food	350	3.1	1085	0.34 (0.3) 0.616	0.103 (0.1) 0.125	0.197	0.073
Eneu - 330, Bikini - 35 (1 on and 1 off)							
9. Imported food	350	1.7	595	0.27 (0.2) 0.338	0.057 (0.05) 0.068	0.108	0.0399
10. No imported food	350	3.3	1155	0.358 (0.3) 0.656	0.11 (0.1) 0.133	0.21	0.077
Eneu							
11. Imported food	235	1.03	242	0.11 (0.1) 0.137	0.023 (0.02) 0.028	0.044	0.016
12. No imported food	235	2.1	493.5	0.153 (0.1) 0.28	0.047 (0.04) 0.057	0.0899	0.033
Eneu - 330, Bikini - 35 (1 on and 2 off)							
13. Imported food	235	1.2	282	0.12 (0.1) 0.16	0.027 (0.02) 0.032	0.051	0.0189
14. No imported food	235	2.2	517	0.1603 (0.1) 0.294	0.049 (0.04) 0.059	0.094	0.0346

\* Tables 3-3 & 3-4 BEIR II, 1971 310 + 75 = 385 average 160-850 x 87 101 117-100-1000

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