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Table 9. Maximum Annual Dose Rate in mrem/y for a Living Pattern Consisting of 100% Time on Eneu Island

Case When Imported Foods are Readily Available in the Diet

	^{137}Cs+^{90}Sr+ Ingestion	External Gamma*	Total
Bone Marrow	121	20	141
Wholebody	100	20	120

Case When Local Subsistence Crops are in Full Use

	^{137}Cs+^{90}Sr+ Ingestion	External Gamma*	Total
Bone Marrow	233	20	253
Wholebody	189	20	209

+All food crops are from Eneu Island

*Natural background subtracted

DOE ARCHIVES

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Table 10. Maximum Annual Dose Rate in mrem/y for a Living Pattern Consisting of 80% time on Eneu Island and 20% time on Bikini Island

Case When Imported Foods are Readily Available in the Diet

	$^{137}Cs+^{90}Sr^{+}$ Ingestion	External Gamma*	10%	5%	Total	10%
Bone Marrow	121	67	44	32	188	165
Wholebody	100	67	44	32	167	144

Case When Local Subsistence Crops are in Full Use

	$^{137}Cs+^{90}Sr^{+}$ Ingestion	External Gamma*			Total	
Bone Marrow	233	67	44	32	300	277
Wholebody	189	67	44	32	256	233

DOE ARCHIVES

5002401

Table 11. Maximum Annual Dose Rate in mrem/y for a Living Pattern Consisting of 100% time on Bikini Island

Case When Imported Foods are Readily Available in the Diet

	$^{137}Cs+^{90}Sr$ Ingestion	External Gamma*	Total
Bone Marrow	941	256	1,197 ≈ 1.2 rem/
Wholebody	877	256	1,133 ≈ 1.1 rem/

Case When Local Subsistence Crops are in Full Use

	$^{137}Cs+^{90}Sr$ Ingestion	External Gamma*	Total
Bone Marrow	2013	256	2,269 ≈ 2.3 rem
Wholebody	1849	256	2,105 ≈ 2.1 rem

*Local Background Substracted

DOE ARCHIVES

5002492

Table 12. 30-Year Integral Dose in Rem for a Living Pattern Consisting of 100% time on Eneu Island and Imported Foods Being Readily Available

Ingestion	Wholebody	Bone Marrow and Bone
^{137}Cs	2.25	2.25
^{90}Sr	--	0.70
$^{239+240}Pu$	--	.00045
^{241}Am	--	.0012
$^{241}Pu/^{241}Am$	--	0.00058
External Gamma	0.433*	0.433*
Total	2.7	3.4

*Based on an initial dose rate for Eneu Island of 20 mrem/y and assuming the entire dose is from ^{137}Cs.

DOE ARCHIVES

Table 13. 30 YEAR INTEGRAL DOSE IN Rem FOR A LIVING PATTERN CONSISTING OF 100% TIME ON ENEU ISLAND AND FOR FULL USE OF LOCAL SUBSISTENCE CROPS.

INGESTION	WHOLEBODY	BONE MARROW AND BONE
^{137}CS	4.25	4.25
^{90}Sr	-	1.5
$^{239+240}$Pu	-	.0008
^{241}Am	-	.0021
^{241}Pu/^{241}Am	-	0.0019
External Gamma	0.433*	0.433*
TOTAL	4.7	6.2

* Based on an ititial dose rate for Eneu Island of 20 mrem/y and assuming the entire dose is from ^{137}Cs.

DOE ARCHIVES

5002494

Table 14. 30 YEAR INTEGRAL DOSE IN Rem FOR A LIVING PATTERN CONSISTING OF 100 % TIME ON BIKINI ISLAND AND IMPORTED FOODS BEING READILY AVAILABLE.

INGESTION	WHOLEBODY	BONE MARROW AND BONE
^{137}Cs	19.8	19.8
^{90}Sr	-	2.2
$^{239+240}Pu$	-	.00051
^{241}Am	-	.0013
$^{241}Pu/^{241}AM$	-	-
External Gamma	5.54*	5.54*
TOTAL	25.3	27.5

* Based on an initial dose rate of 256 mrem/y and assuming that the entire dose if from ^{137}Cs.

DOE ARCHIVES

Table 15. 30 YEAR INTEGRAL DOSE IN Rem FOR A LIVING PATTERN CONSISTING OF 100 % TIME ON BIKINI ISLAND AND FULL USE OF LOCALLY GROWN SUBSISTENCE CROPS.

INGESTION	WHOLEBODY	BONE MARROW AND BONE
^{137}Cs	41.6	41.7
^{90}Sr	-	5.6
$^{239+240}Pu$	-	.00094
^{241}Am	-	.0024
$^{241}Pu/^{241}Am$	-	-
External Gamma	5.54*	5.54*
TOTAL	47.1	52.8

* Based on an initial dose rate of 256 mrem per year and assuming that the entire dose is from ^{137}Cs.

DOE ARCHIVES

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