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Table 9. Maximum Annual Dose Rate in  $\mu\text{rem}/\text{y}$  for a Living Pattern Consisting of 100% Time on Eneu Island

Case When Imported Foods are Readily Available in the Diet

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

Case When Local Subsistence Crops are in Full Use

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

$\dagger$ All food crops are from Eneu Island

\*Natural background subtracted

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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

	$^{137}\text{Cs} + ^{90}\text{Sr}^+$		External Gamma*			Total	10%	5%
	Ingestion			10%	5%			
Bone Marrow	121	67	44	32	188	165	153	
Wholebody	100	67	44	32	167	144	132	

Case When Local Subsistence Crops are in Full Use

	$^{137}\text{Cs} + ^{90}\text{Sr}^+$		External Gamma*			Total	10%	5%
	Ingestion			10%	5%			
Bone Marrow	233	67	44	32	300	277	265	
Wholebody	189	67	44	32	256	233	221	

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**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**

	<sup>137</sup> Cs+ <sup>90</sup> Sr		Total
	Ingestion	External Gamma*	
Bone Marrow	941	256	1,197 ≈ 1.2 rem/y
Wholebody	877	256	1,133 ≈ 1.1 rem/y

**Case When Local Subsistence Crops are in Full Use**

	<sup>137</sup> Cs+ <sup>90</sup> Sr		Total
	Ingestion	External Gamma*	
Bone Marrow	2013	256	2,269 ≈ 2.3 rem/y
Wholebody	1849	256	2,105 ≈ 2.1 rem/y

\*Local Background Subtracted

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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
$^{137}\text{Cs}$	2.25	2.25
$^{90}\text{Sr}$	--	0.70
$^{239+240}\text{Pu}$	--	.00045
$^{241}\text{Am}$	--	.0012
$^{241}\text{Pu}/^{241}\text{Am}$	--	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  $^{137}\text{Cs}$ .

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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.

<u>INGESTION</u>	<u>WHOLEBODY</u>	<u>BONE MARROW AND BONE</u>
<sup>137</sup> Cs	4.25	4.25
<sup>90</sup> Sr	-	1.5
<sup>239+240</sup> Pu	-	.0008
<sup>241</sup> Am	-	.0021
<sup>241</sup> Pu/ <sup>241</sup> Am	-	0.0019
External Gamma	<u>0.433*</u>	<u>0.433*</u>
TOTAL	4.7	6.2

\* Based on an initial dose rate for Eneu Island of 20 mrem/y and assuming the entire dose is from <sup>137</sup>Cs.

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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
<sup>137</sup> Cs	19.8	19.8
<sup>90</sup> Sr	-	2.2
<sup>239+240</sup> Pu	-	.00051
<sup>241</sup> Am	-	.0013
<sup>241</sup> Pu/ <sup>241</sup> AM	-	-
External Gamma	<u>5.54*</u>	<u>5.54*</u>
TOTAL	25.3	27.5

\* Based on an initial dose rate of 256 mrem/y and assuming that the entire dose is from <sup>137</sup>Cs.

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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.

<u>INGESTION</u>	<u>WHOLEBODY</u>	<u>BONE MARROW AND BONE</u>
<sup>137</sup> Cs	41.6	41.7
<sup>90</sup> Sr	-	5.6
<sup>239+240</sup> Pu	-	.00094
<sup>241</sup> Am	-	.0024
<sup>241</sup> Pu/ <sup>241</sup> Am	-	-
External Gamma	<u>5.54*</u>	<u>5.54*</u>
TOTAL	47.1	52.8

\* Based on an initial dose rate of 256 mrem per year and assuming that the entire dose is from <sup>137</sup>Cs.

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