

Table 2 .- Assumed distribution of fission-product activity from Project Chariot, after 1 hour

Basin or area	Offshore, Chukchi Sea	Ogotoruk Creek	Nuscaruk Creek	Minor basins, Ogotoruk Creek to Cape Seppings	Kukpuk River above Ipewik River	Minor basins, Cape Seppings to Kivalina River	Ipewik River	Kivalina River	Pitmegea River	Mulik River	Kukpowruk River	Noatak River	Minor basins, Pitmegea River to Kukpowruk River	Outlying areas 1/	Total
Number on Plate 1	...	0	1	2	3	4	5	6	7	8	9	10	11	...	
<u>Fallout between azimuths 40° and 125°</u>															
Area receiving fallout ^{2/} , square statute miles.	145	39	6	60	535	275	290	72	210	8	80	0	105	...	1,825
Gross activity															
Total on basin, curies	3.15x10 ⁸	6.90x10 ⁸	6.00x10 ⁶	2.90x10 ⁸	1.45x10 ⁸	1.20x10 ⁷	2.30x10 ⁷	1.11x10 ⁶	5.00x10 ⁶	9.00x10 ⁴	1.20x10 ⁶	...	1.60x10 ⁶	1.00x10 ⁷	1.50x10 ⁹
Percent of total	21.0	46.0	.4	19.3	9.7	.8	1.5	.1	.3	<.1	.11	.7	100.0
Curies per square mile															
Average	2.17x10 ⁶	1.77x10 ⁷	1.00x10 ⁶	4.83x10 ⁶	2.71x10 ⁵	4.36x10 ⁴	7.93x10 ⁴	1.50x10 ⁴	2.38x10 ⁴	1.12x10 ⁴	1.50x10 ⁴	...	1.52x10 ⁴
Maximum	1.0 x10 ⁸	>1.0 x10 ⁸	7.0 x10 ⁶	1.0 x10 ⁸	6.0 x10 ⁶	2.0 x10 ⁵	5.0 x10 ⁵	3.0 x10 ⁴	5.0 x10 ⁴	1.2 x10 ⁴	2.0 x10 ⁴	...	2.5 x10 ⁴	1.00x10 ⁴	...
Minimum	<1.0 x10 ⁴	1.0 x10 ⁴	5.0 x10 ⁴	1.5 x10 ⁵	<1.0 x10 ⁴	<1.0 x10 ⁴	<1.0 x10 ⁴	<1.0 x10 ⁴	<1.0 x10 ⁴	<1.0 x10 ⁴	<1.0 x10 ⁴	...	<1.0 x10 ⁴
Soluble products, curies															
Sr ⁹⁰ and Cs ¹³⁷ , each	6.30x10 ¹	1.38x10 ²	1.20x10 ⁰	5.80x10 ¹	2.90x10 ¹	2.40x10 ⁰	4.60x10 ⁰	2.22x10 ⁻¹	1.00x10 ⁰	1.80x10 ⁻²	2.40x10 ⁻¹	...	3.20x10 ⁻¹	2.00x10 ⁰	3.00x10 ²
I ¹³¹	4.72x10 ⁴	1.04x10 ⁵	9.00x10 ²	4.35x10 ⁴	2.18x10 ⁴	1.80x10 ³	3.45x10 ³	1.66x10 ²	7.50x10 ²	1.35x10 ¹	1.80x10 ²	...	2.40x10 ²	1.50x10 ³	2.25x10 ⁵
Other nuclides	3.16x10 ⁶	6.92x10 ⁶	6.02x10 ⁴	2.91x10 ⁶	1.45x10 ⁶	1.20x10 ⁵	2.31x10 ⁵	1.11x10 ⁴	5.02x10 ⁴	9.03x10 ²	1.20x10 ⁴	...	1.60x10 ⁴	1.00x10 ⁵	1.505x10 ⁷
Sub-total soluble	3.21x10 ⁶	7.02x10 ⁶	6.11x10 ⁴	2.95x10 ⁶	1.47x10 ⁶	1.22x10 ⁵	2.34x10 ⁵	1.13x10 ⁴	5.10x10 ⁴	9.17x10 ²	1.22x10 ⁴	...	1.62x10 ⁴	1.02x10 ⁵	1.527x10 ⁷
Insoluble products, curies															
Sr ⁹⁰ and Cs ¹³⁷ , each	5.67x10 ²	1.24x10 ³	1.08x10 ¹	5.22x10 ²	2.61x10 ²	2.16x10 ¹	4.14x10 ¹	2.00x10 ⁰	9.00x10 ⁰	1.62x10 ⁻¹	2.16x10 ⁰	...	2.88x10 ⁰	1.80x10 ¹	2.70x10 ³
I ¹³¹	4.25x10 ⁵	9.32x10 ⁵	8.10x10 ³	3.92x10 ⁵	1.96x10 ⁵	1.62x10 ⁴	3.10x10 ⁴	1.50 x10 ³	6.75x10 ³	1.22x10 ²	1.62x10 ³	...	2.16x10 ³	1.35x10 ⁴	2.02x10 ⁶
Other nuclides	3.11x10 ⁸	6.82x10 ⁸	5.93x10 ⁶	2.87x10 ⁸	1.43x10 ⁸	1.19x10 ⁷	2.27x10 ⁷	1.10x10 ⁶	4.94x10 ⁶	8.90x10 ⁴	1.19x10 ⁶	...	1.58x10 ⁶	9.88x10 ⁶	1.483x10 ⁹
Sub-total, insoluble	3.11x10 ⁸	6.83x10 ⁸	5.94x10 ⁶	2.87x10 ⁸	1.43x10 ⁸	1.19x10 ⁷	2.27x10 ⁷	1.10x10 ⁶	4.95x10 ⁶	8.91x10 ⁴	1.19x10 ⁶	...	1.58x10 ⁶	9.89x10 ⁶	1.485x10 ⁹

1/ Activity < 1x10⁴ curies (0.01 megacurie) per square statute mile.

2/ Activity > 1x10⁴ curies per square statute mile.