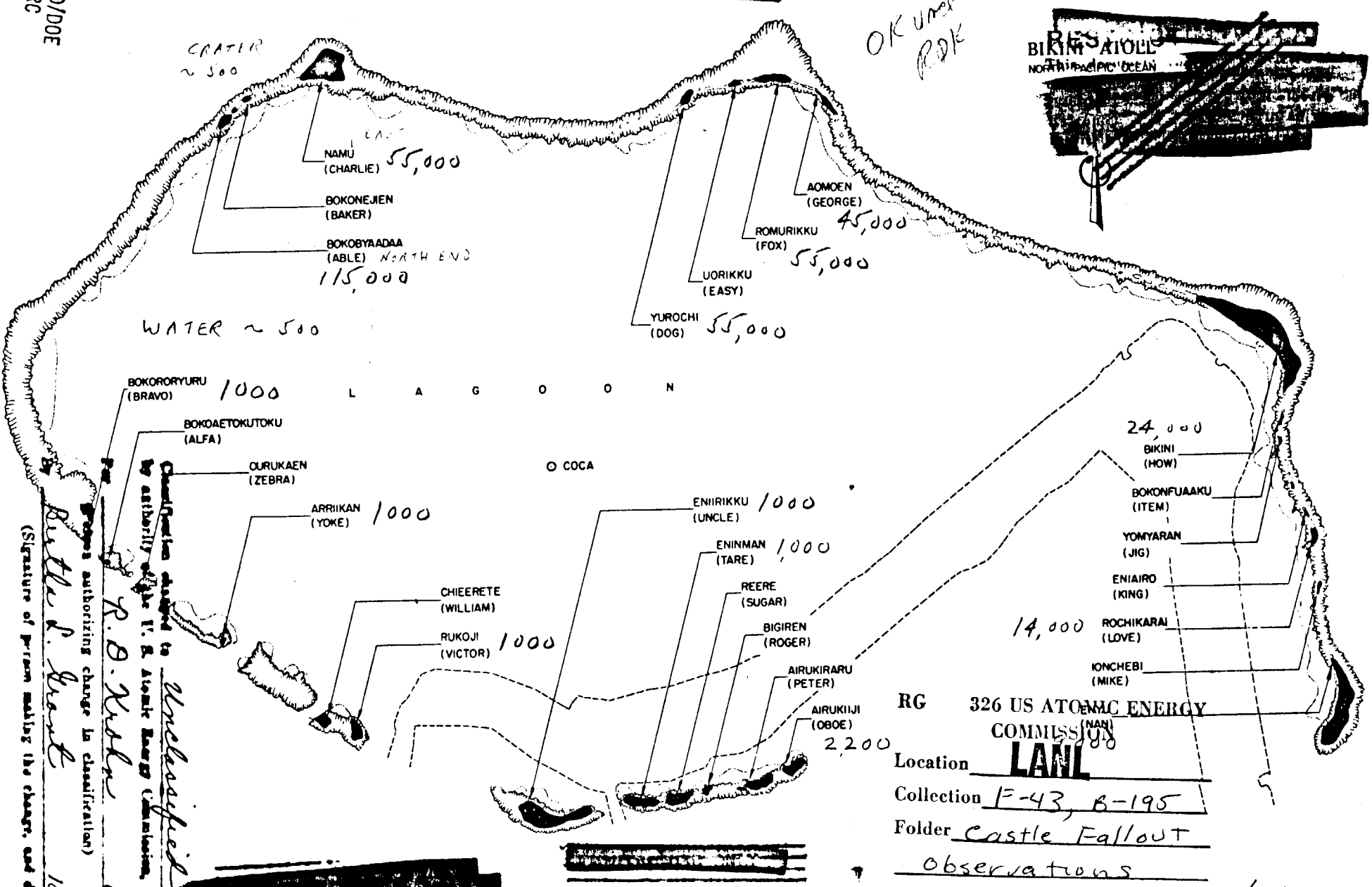
APPROXIMATE FALLOUT
EXTRAPOLATED TO BRAVO + 1



RG 326 US ATOMIC ENERGY COMMISSION

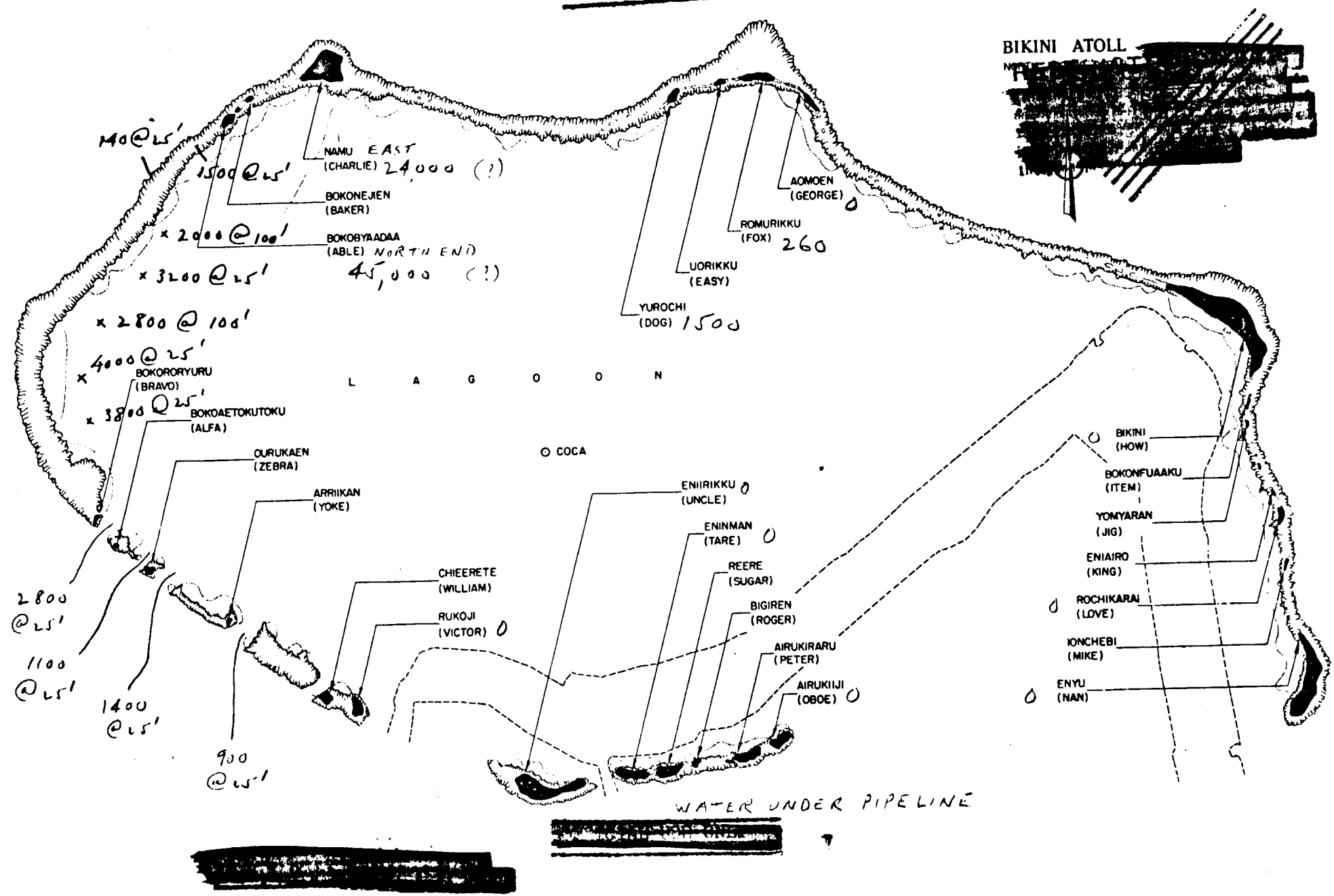
Location LANL

Collection F-43, B-195

Folder Castle Fallout Observations

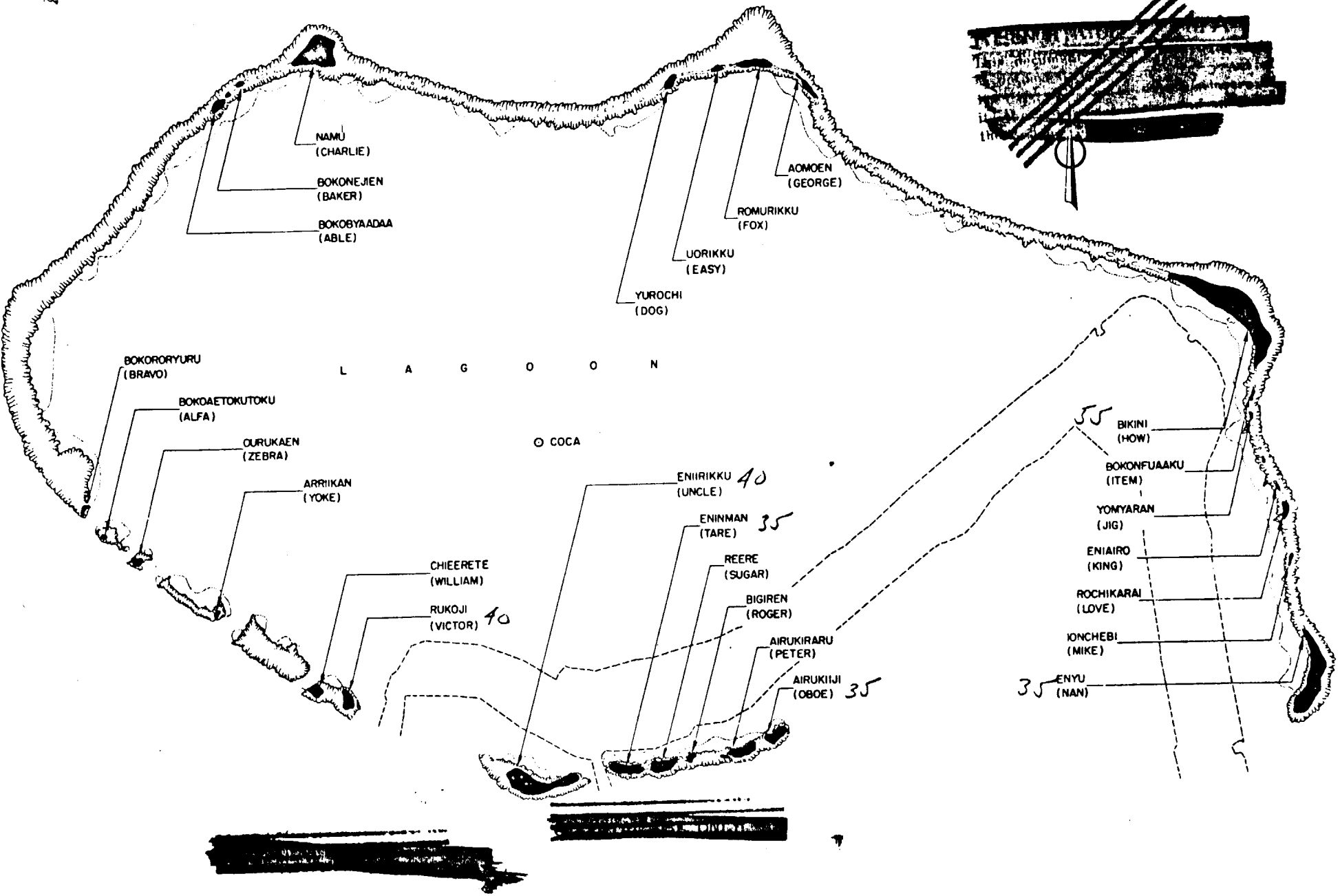
ALL VALUES IN MR/HR

APPROXIMATE FALL OUT
EXTRAPOLATED TO R+1



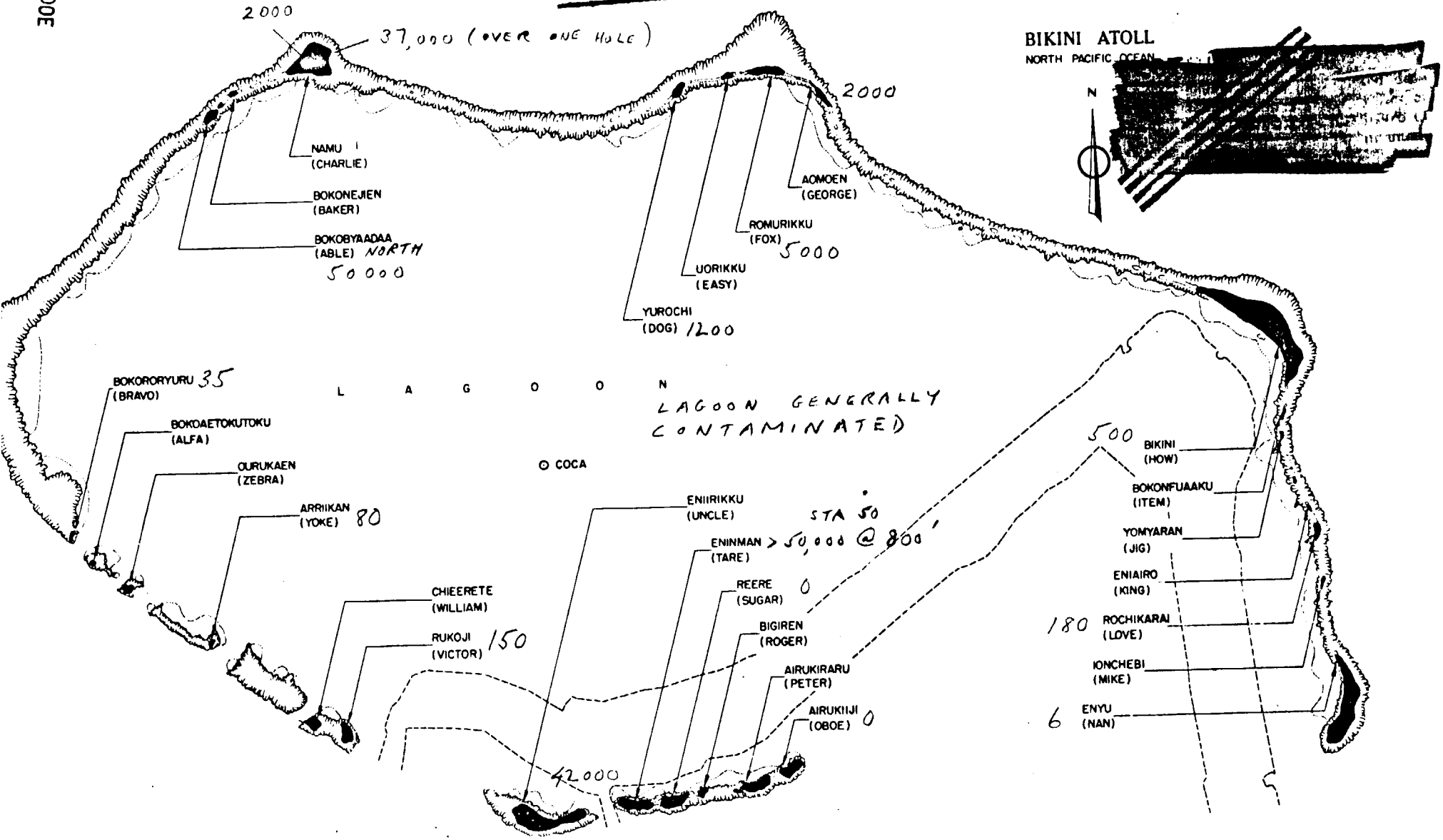
APPROXIMATE SECONDARY FALLOUT

R + 2



APPROXIMATE FALL OUT
K+1

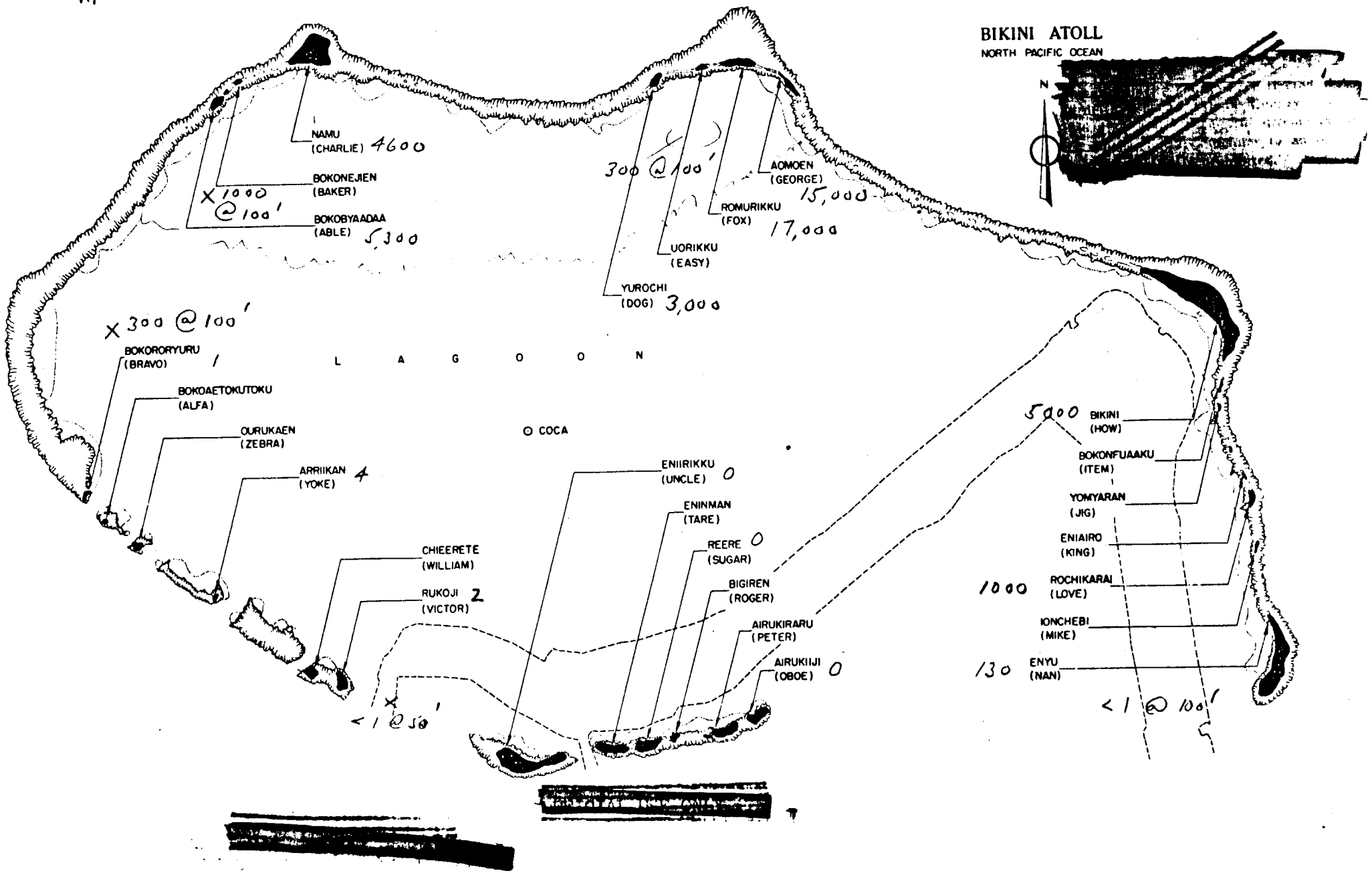
[redacted]



BIKINI ATOLL
NORTH PACIFIC OCEAN

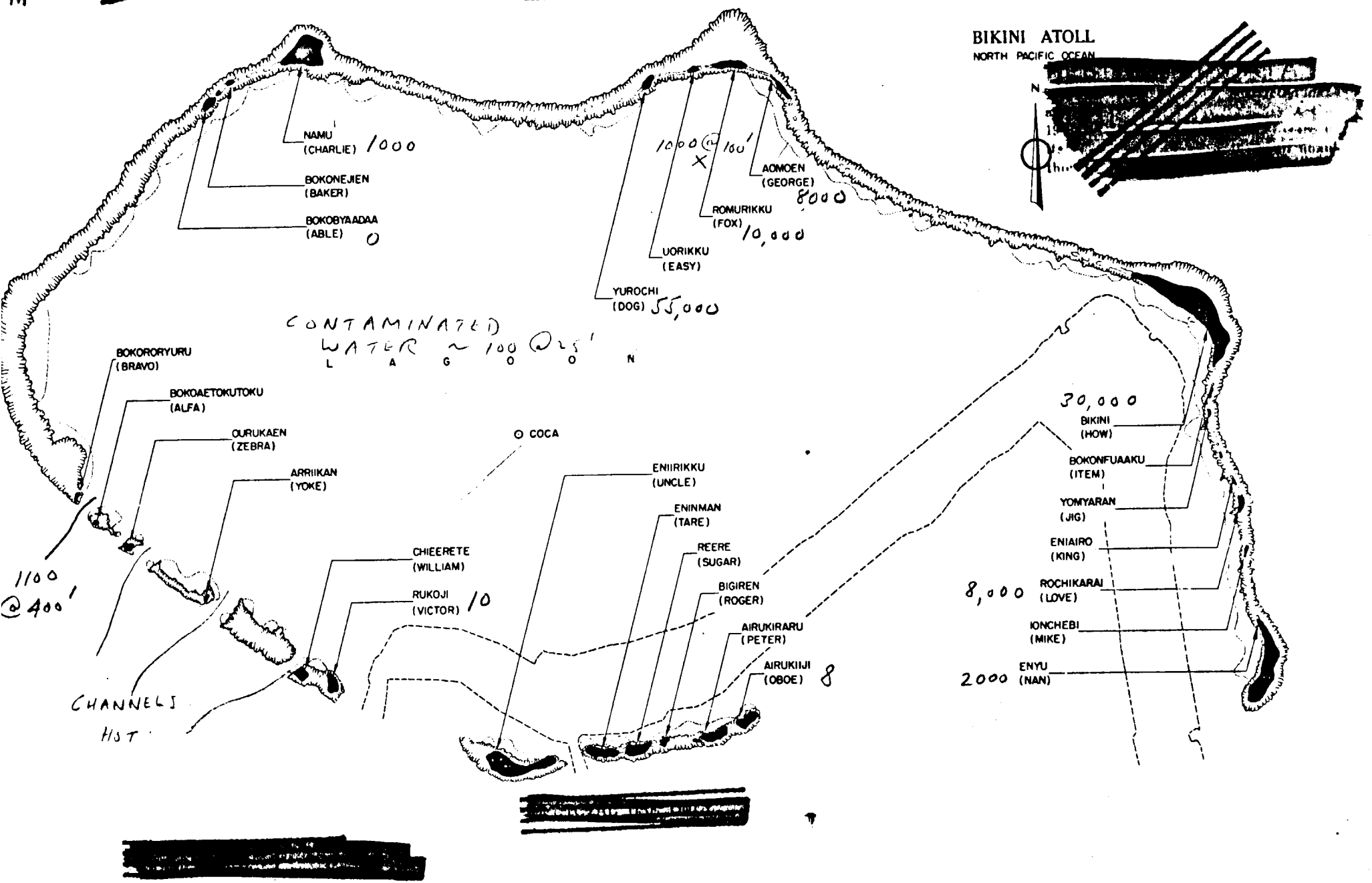
[redacted]

APPROXIMATE FALLOUT
U+1



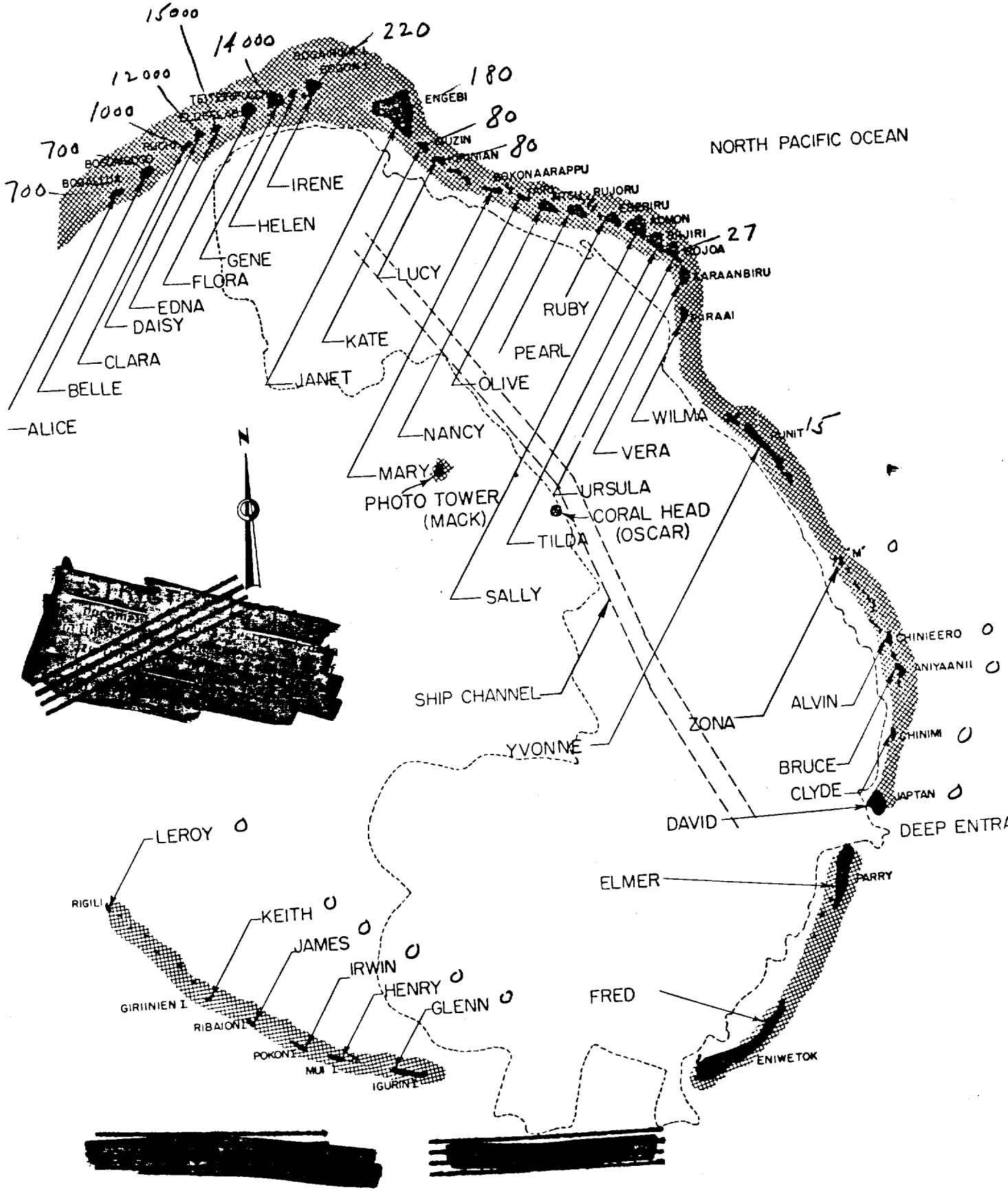
APPROXIMATE FALL OUT

YANKEE + 1



NECTAR +1

COPIED/DOE
LANL RC



COPIED/DOE
LANL RC

7

[redacted]

BRAVO RADIATION SUMMARY

Island	B plus 2 Days	EXTRAP. B + 1
Nan	1.0 - 3.0 R	2.4 - 7.0 R
How	6.0 - 9.0	14 - 20
George	1.2 - 9.0	2.8 - 20
Fox	20.	47
Dog	30.	70
Charlie (Sta 1200)	6.0	14
Crater	.1	0.23
Baker	75.*	175
Able	15.	35*
Delta (Sta 1341)	3.0	7
Bravo thru Oboe	.1 - .22	0.23 - 0.510
Bairoko (30 mi SE of Nan		

All readings with radiac instrument AN/PDR-39.

* AN/PDR-18

[redacted]

OK UNTL.
PL.
3-9-83

[redacted]

8

[redacted]

ROMEO RADIATION SUMMARY

Island	R plus 1 Day	Bravo Background at Romeo
Nan	.03	.03
How	.12	.12
George	.80	.22
Fox	1.7	1.1
Easy	1.4	1.2
Dog	1.3	1.3
Charlie		.6
Able	50.0 ‡	1.2
Zebra	.10 *	.04
Yoke	.40 *	.02
Uncle	.005	.01
Oboe	.01	.01
Tare	.012	

‡ Two hundred feet altitude

* Radiation shine from water in southwest passage.

Underlined islands indicate contaminated by Romeo shot.

[redacted]

[redacted]

[redacted]

KOON RADIATION SUMMARY

Island	K plus 1 Day	Bravo-Romeo background for Koon
Nan	.03	.03
How	.67	.10
George	2.5	.35
Fox	1.6	.50
Easy	1.0	.47
Dog	1.0	.45
Charlie	30.0	1.5
Able		9.0
Zebra	.08	.012
Yoke	.07	.008
Uncle	2.4 ‡	.008
Tare	.	.010
Oboe	.02	.018
Crater	50. *	

‡ reading at 100 feet.

* reading at 200 feet.

Underlined islands indicate islands contaminated by Koon shot.

[redacted]

[redacted]

UNION RADIATION SUMMARY

Island	U plus 1 Day	B - R - K Background
Nan	.10	.01
How	8.5	.03
George	15.0	.40
Fox	15.0	.40
Easy	10.0	.36
Charlie		2.5
Dog	10.0	.40
Able	1.2	4.0
Zebra	.01	.01
Yoke	.01	.01
Uncle	.06	.90
Tare Crater	6.5	100.
Oboe	.01	.01
Crater		.00

* Reading at 500 feet.

‡ Shine from contaminated water.

Underlined islands indicate islands contaminated by Union Shot.

[redacted]

[redacted]

NECTAR RADIATION SUMMARY

Island	D plus 1 Day *
Eniwetok	0
Parry	0
Japtan	0
Chinimi	0
Aniyaanii	0
Chinieero	0
Runit	0
Piraai	.006
Aaraanbiru	.01
Rojoa	.01
Bijiri	.014
Aomon	.02
Eberiru	.02
Rujoru	.012
Aitsu	.016
Yairi	.02
Bokonaarappu	.02
Kirinian	.04
Muzin	.05
Engebi	.08
Bogon	.12
Bogarikk	.22
Teiterpucci	6.8
Cochiti	8.0

[redacted]

[redacted]

San Ildefonso	8.4
Ruchi	.80
Bogombogo	.44
Bogallua	.26
Rigili	0
Giriinien	0
Ribaioni	0
Pokon	0
Mui	0
Igurin	0

* Period preceded by heavy rainfall.

[redacted]

[redacted]

YANKEE RADIATION SUMMARY

Island	Y plus 1 Day	Background
Nan	2.0	.02
How	25.	.32
George	6.	1.0
Fox	7.5	1.0
Easy	12.	.25
Dog	12.	1.0
Charlie	----	.80
Able	----	3.0
Zebra	.50*	.01
Yoke	.60*	.08
Uncle	.01	.03
Oboe	.01	.01
Crater	1.0 ‡	----
Lagoon	----	----

* Radiation shine from water in southwest passage.

** Final aerial survey.

‡ Reading at 100 feet.

[redacted]