

140

NEED FOR DETAILED SURVEYS

- BIKINI SURVEYS USED 1960 TECHNOLOGY
- MODERN TECHNOLOGY IDENTIFIES SPECIFIC ISOTOPES
- KNOWLEDGE FROM ENEWETAK SURVEY
- LOCATION OF HOUSES AND CROPS
- PRESSURE TO MATCH ENEWETAK SURVEY
- REQUEST FOR STATUS OF BRAVO FALLOUT ISLANDS
- LIKELY TERMINATION OF TRUST AGREEMENT
- U.S. OBLIGATION TO DOCUMENT CONDITIONS

> 50- μ R/hr.

20-30 μ R/hr.

40-50 μ R/hr.

10-20 μ R/hr.

30-40 μ R/hr.

ESTIMATED RADIATION DOSE-REM/YR

	WHOLE BODY	BONE MARROW
BIKINI - NO PRECAUTIONS.	3.3	4.0
BIKINI - RESTRICTIONS ON DIET AND LAND USE.	0.43	0.52
ENEWETAK - NO PRECAUTIONS.	1.56	2.08
ENEWETAK - RESTRICTIONS ON DIET AND LAND USE.	0.13	0.18
FEDERAL STANDARDS, REM/YR.:		
POPULATION -	0.17	0.17
INDIVIDUAL -	0.50	0.50
ENEWETAK - CLEANUP CRITERIA, REM/YR.	0.25	0.25

1629
167

RADIATION PROBLEM

- PEOPLE TO LIVE ON ISLANDS CONTAMINATED BY FALLOUT.
- UPTAKE IN SEAFOODS VERY LOW.
- UPTAKE IN AGRICULTURE PRODUCTS HIGH.
- RESTRICTION REQUIRED ON FOODS AND HOUSING.
- LONG-TERM MONITORING ENVIRONMENT AND PEOPLE REQUIRED.
- FEDERAL STANDARDS MAY BE LOWERED.

TEST ATOLLS

BIKINI

- RADIOACTIVE CONTAMINATION OF ISLAND
- HOUSING RESTRICTED TO BIKINI, ENEU
- 12 CAPITAL SHIPS SUNK IN LAGOON
- 50 HOMES CONSTRUCTED
- SOME FAMILIES RETURNED

ENEWETAK

- RADIOACTIVE CONTAMINATION OF ISLANDS
- HOUSING RESTRICTED TO ENEWETAK, MEDREN, JAPTAN
- ONE ISLAND COMPLETELY DESTROYED
- RUNIT ISLAND HEAVY CONTAMINATED PU

FALLOUT PATTERN

BRAVO EVENT ~15 MT
MARCH 1, 1954

BIKAR
BIKAR ATOLL ISLAND

UTIRIK ATOLL
TAKA UTIRIK
ATOLL ISLAND

RONGERIK
ATOLL

RONGELAP
ATOLL

ALINGINAE
ATOLL

BIKINI
ATOLL

10°

168°

170°

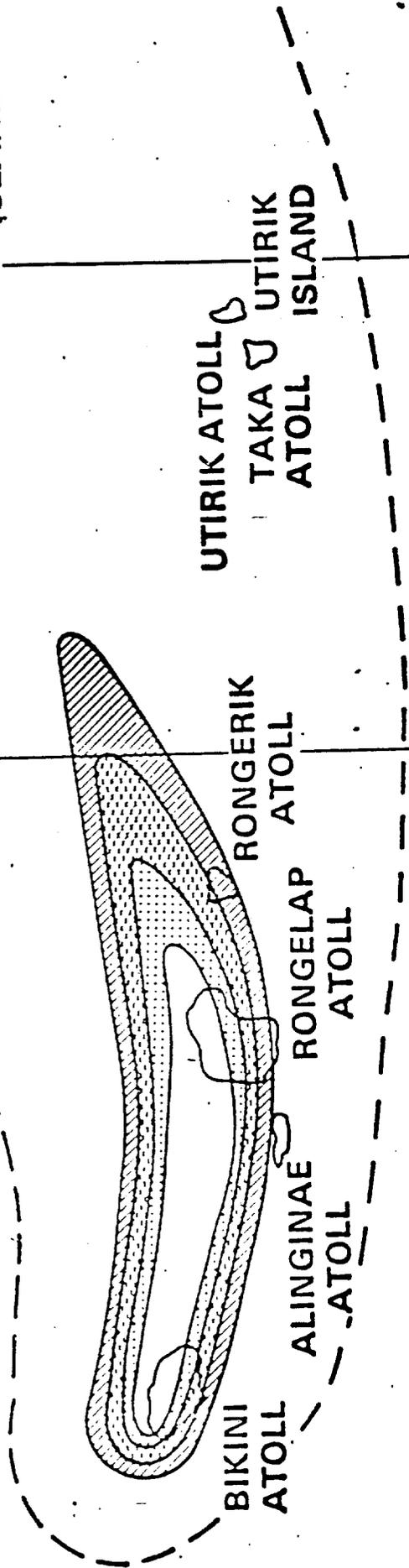
10°

0

50

100

STATUTE MILES



1954 BRAVO EVENT

- WIND SHIFTED
- EMERGENCY EVACUATION
 - 64 RONGELAP ATOLL
 - 157 UTIRIK ATOLL
 - 18 AILINGANE ATOLL
 - 28 RONGERIK ATOLLS (AMERICAN)
- LONG-TERM RADIATION INJURY IN RONGELAP PEOPLE

5-12

150
C

REHABILITATION - ENEWETAK

1972 - ANNOUNCEMENT OF RETURN BY AMBASSADOR WILLIAMS
AND HIGH COMMISSIONER JOHNSTON

1972 - INTERAGENCY AGREEMENTS ON RESPONSIBILITIES -
DOD-DOI-AEC

1972-1973 - RADIOLOGICAL SURVEY OF ENEWETAK ATOLL - AEC

1974 - EVALUATION AND RECOMMENDATIONS - AEC/ERDA

1975 - ENVIRONMENTAL IMPACT STATEMENT - DOD

1976 - CLEANUP OPERATIONS BEGIN - DOD

170

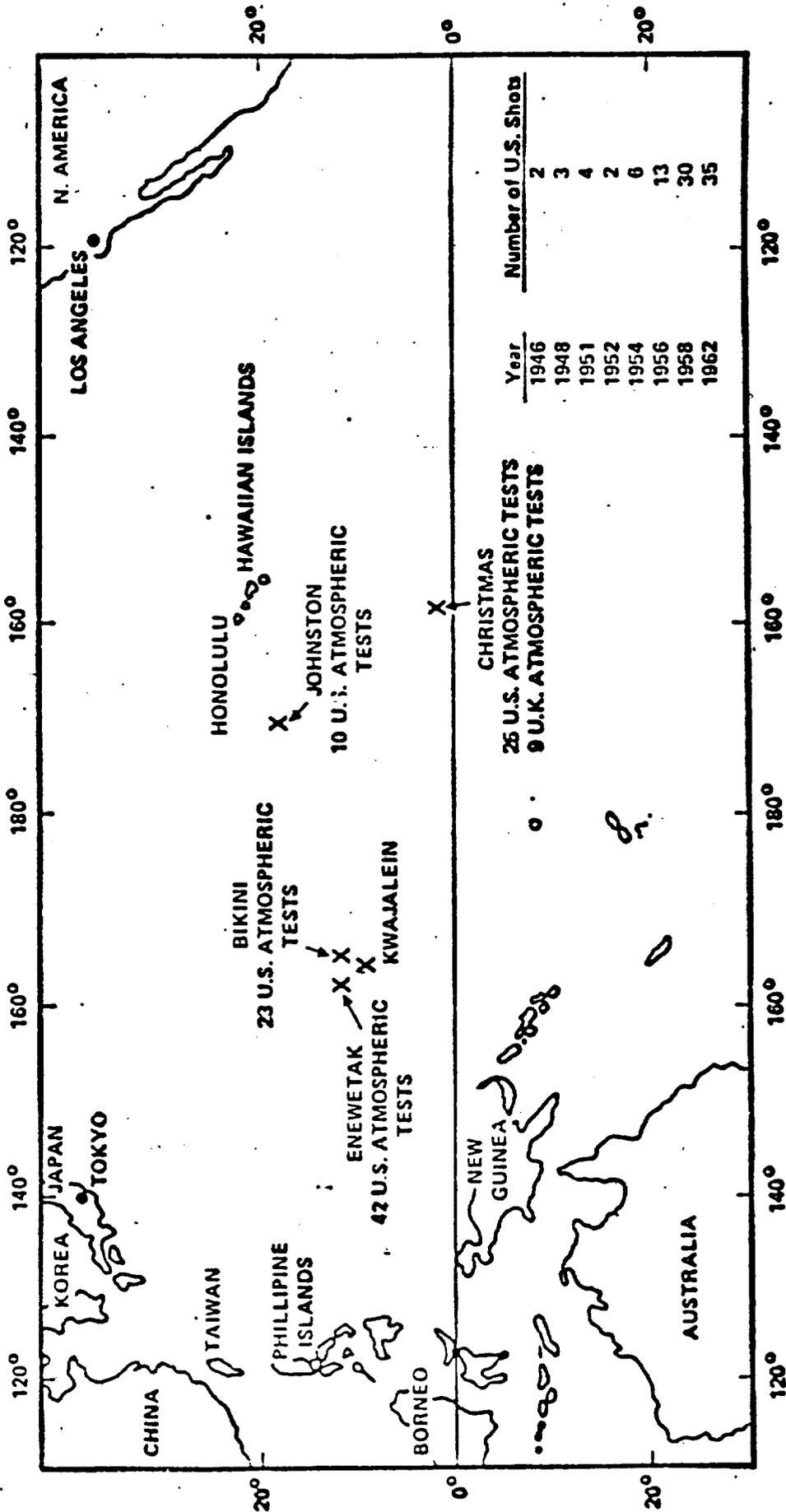
REHABILITATION - BIKINI

- 1958 - LAST WEAPONS TESTS AT BIKINI - AEC-DOD
- 1966 - LETTER, SECRETARY OF INTERIOR TO AEC
REQUESTING SAFETY REVIEW
- 1967 - RADIOLOGICAL SURVEY RECOMMENDATIONS - AEC
- 1968 - PRESIDENT'S ANNOUNCEMENT
- 1969 - CLEANUP OPERATIONS - AEC-DOD
- 1970-1975 - AGRICULTURAL REHABILITATION - DOI
- 1972-1974 - HOUSING CONSTRUCTION - DOI
- 1974-1975 - RETURN OF FIRST BIKINI FAMILIES - DOI
- 1975 - TRUST TERRITORY REQUESTS GUIDANCE ON
RESTRICTIONS ON HOUSING & CROPS - AEC/ERDA

TEST PROGRAM PACIFIC

- 99 TESTS TOTAL
- 42 ENEWETAK
- 23 BIKINI
- 25 U.S. CHRISTMAS ISLAND
- 9 U.K. CHRISTMAS ISLAND

U.S. NUCLEAR TESTS



NUCLEAR TESTING PACIFIC

1946 PRESIDENT APPROVED FOR NATIONAL SECURITY
USE OF BIKINI ATOLL AND ENEWETAK ATOLL.

- 166 BIKINIANS MOVED
- 142 ENEWETAKESE MOVED
- PEOPLE EXPECTED TO RETURN HOME