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 UNITED STATES
 ATOMIC ENERGY COMMISSION
 PACIFIC PROVING GROUND
 APO 187 (HOW), SAN FRANCISCO
 CALIFORNIA

logged 1/12/55
front cover

ENR:RLT:M- 752

7 January 1955

410659

Commander, Task Group 7.1
 P. O. Box 1663
 Los Alamos, New Mexico

Subject: MONTHLY RADIOLOGICAL SURVEY OF BIKINI ATOLL

Dear Sir:

Listed below in the first table are the results of the first regular monthly radiological survey of Bikini. Survey sites were suggested by the Acting Chief, AEC Radiological Safety Section, and results were reported by Donald P. Layaou, temporary Rad-Safe representative at Bikini.

For comparison, the most recent prior readings at the same sites are presented in the second table. The two sets of data indicate reduced contamination in all cases except for the high reading on Charlie, presumably an isolated spot not found on the October survey.

DECEMBER SURVEY

<u>ISLAND</u>	<u>SITE</u>	<u>AVERAGE</u> (Gamma mr/hr)	<u>HIGH</u> mr/hr	<u>DATE</u>
Charlie	Between campsite and bunker	20-45	480	16 Dec
Fox Chain	West of previous camp	5-10	14	16 Dec
How	Old baseball field North of LST landing	15-20	30	15 Dec
Tare	Between crater and West of old camp	15	400	20 Dec
Uncle	Cleared strip running across the island	1- 4	10	20 Dec

RG 326 US ATOMIC ENERGY COMMISSION
 Location
 Collection J Div Current Files
 Folder CASTLE JIF 7

CLASSIFICATION CANCELLED
 BY AUTHORITY OF DOE/OC

REVIEWED BY *[Signature]* DATE 10/19/83

REVIEWED BY *[Signature]* DATE 1/15/86

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Subj: MONTHLY RADIOLOGICAL SURVEY OF BIKINI ATOLL

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PRIOR SURVEY

<u>ISLAND</u>	<u>SITE</u>	<u>AVERAGE</u> <u>(Gamma mr/hr)</u>	<u>HIGH</u>	<u>DATE</u>
Charlie	Between old campsite and bunker	30-60	300	15 Oct
Fox Chain	West of previous camp	5-15	30	15 Oct
How	Old baseball field North of LST landing	40	60	4 Nov
Tare	Between crater and West of old camp	20	600	15 Oct
Uncle	Cleared strip running across the island	3- 5	18	15 Oct

Sincerely yours,

T. A. HARDISON
AEC Resident Engineer

TAH:RLT:mdt

cc: EFO, Albuq.
R. L. Taylor
Chrono
Central

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