STATUS OF THE BIKINI RADIOLOGICAL CLEAN-UP PROGRAM

The following outline briefly summarizes the status of the Bikini radiological clean-up program on an individual island basis.

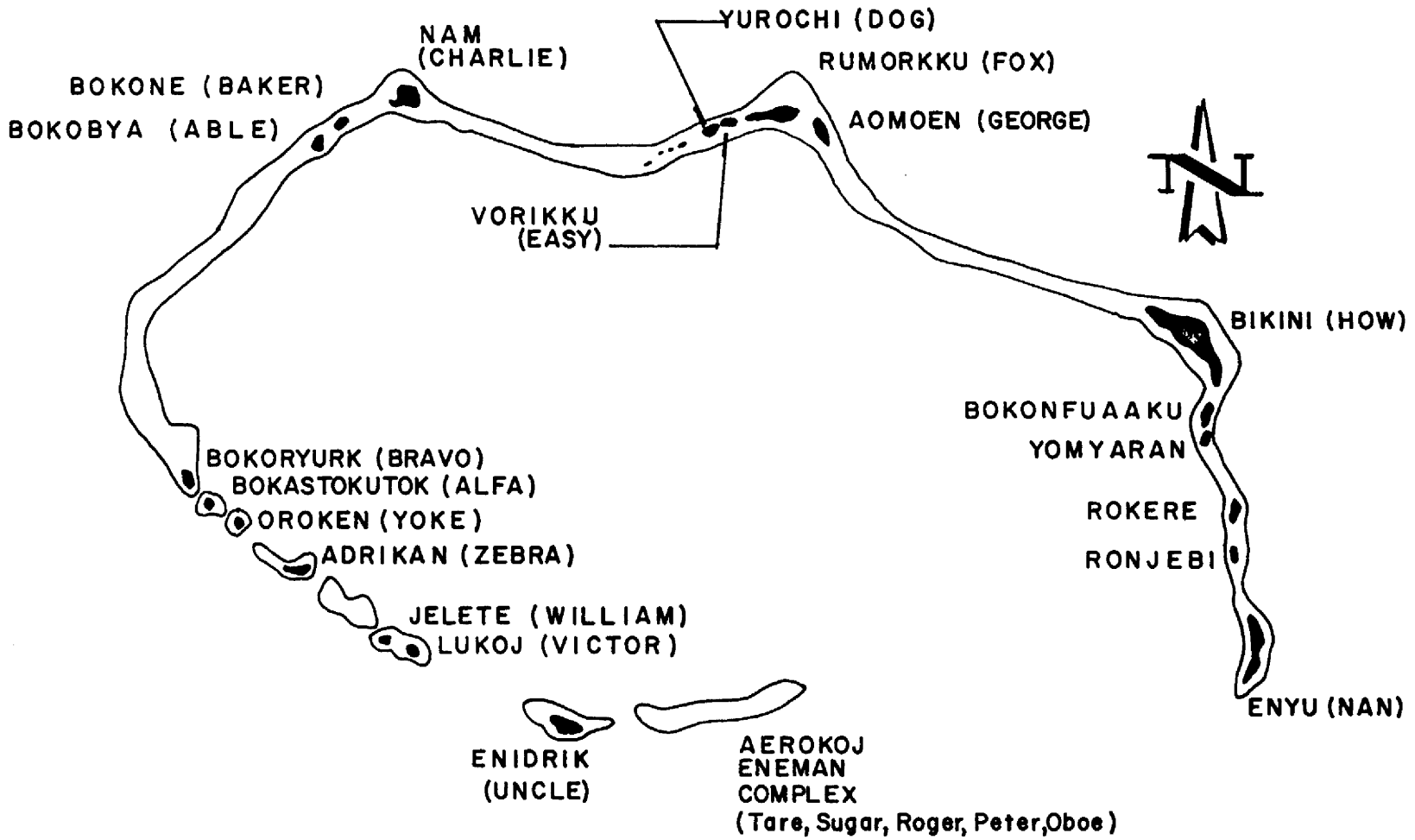
Each island or islet has been, or will be, monitored for radioactive scrap and for determination of residual gross gamma background radiation levels. All radioactive scrap has been or will be disposed of according to the clean-up guidelines. Items 1 through 20 below summarize the above situation as of 7 August 1969. Figure 1 is a map of the atoll and may be used as a position reference.

	Islands	Condition	Clean-Up Status
1.	Near Able (Bokbata) on the reef.	Range 5-10 uR/hr. One small closure door on bunker and a couple of large pieces of metal in water were radioactive to 200-300 uR/hr. Remainder of scrap ranged from 10-40 uR/hr.	Complete
2.	Alpha (Bokaetoktok)	Range 5-15 uR/hr. No radioactive scrap.	Complete
3.	Bravo (Bokdrolul)	Range 5-25 uR/hr. No radioactive scrap.	Complete
4.	Charlie (Nam)	Range 20-500 uR/hr. Clean-up underway. Several items of radioactive scrap to 150 uR/hr will be disposed of at sea.	Incomplete
5.	Dog-Easy-Fox-George (Iroij-Odrik-Lomilik-Aomen)	Range 10-50 uR/hr. Clean-up Radioactive scrap measuring to 500 uR/hr has been identified with paint in preparation for removal.	Incomplete
6.	How (Bikini)	Range 10-110 uR/hr. Clean-up except for a few minor items was completed as of August 1.	Essentially Complete

Islands	Condition	Clean-Up Status
7. Item (Bokantauk)	Range 5-10 uR/hr. No scrap	Complete
8. Jig (Iomelen)	Very small islet between Bikini and Eneu. Not yet surveyed.	To Be Done
9. King (Enealo)	Same as Jig	To Be Done
10. Love (Rojkere)	Same as Jig	To Be Done
11. Mike (Enojebi)	Same as Jig	To Be Done
12. Nan (Eneu)	Range 10-40 uR/hr. No radioactive scrap was found.	Nearly Complete
13. Oboe-Peter-Roger (Aerokoj-Aerokojlol-Bikdrin)	Range 5-10 uR/hr. No radioactive scrap on islands. Some on reef near causeway was removed for disposal at sea.	Complete
14. Sugar-Tare (Lele-Eneman)	Range 10-800 uR/hr. Clean-up of radioactive scrap should be complete by August 7.	Should Be Complete
15. Uncle (Enidrik)	Range 10-300 uR/hr. Clean-up should have been accomplished as of August 1.	Should Be Complete
16. Victor (Lukoj)	Range 10-180 uR/hr. No radioactive scrap.	Complete
17. William (Jelete)	Range 10-150 uR/hr. No contaminated scrap was found.	Complete
18. Yoke (Adrikan)	Range 5-50 uR/hr. No radioactive scrap.	Complete
19. Zebra (Oroken)	Range 5-30 uR/hr. No radioactive scrap.	Complete
20. Charlie-Dog Reef	Structure #1. A few structures, awash at high tide, ranging from 100-500 uR/hr. Remainder was negligible. Structure #2 and #3. All readings were less than 10 uR/hr.	Complete

Figures 3 through 8 are detailed maps of the gamma background variations on all significant land areas of the atoll except Eneu (Figure 2) and the Dog-Easy-Fox-George Complex (Item 5) where these surveys are currently being completed. In all areas where elevated gamma background levels have been detected, soil samples were collected for determination of specific isotope concentration. These samples are currently being analyzed.

As of August 7th the food sample collection program is essentially complete. USPHS personnel have collected samples of all available plant foods on the islands and University of Washington personnel have obtained samples of all available animal foods on the land surfaces as well as selected samples of sea foods in the lagoon. Information obtained from these samples, about radiation levels in foods, will be used for guidance to the Trust Territories Officials, but will have no affect on clean-up certification procedures.



BIKINI ATOLL

0 1 2 3
NAUTICAL MILES

FIGURE 1

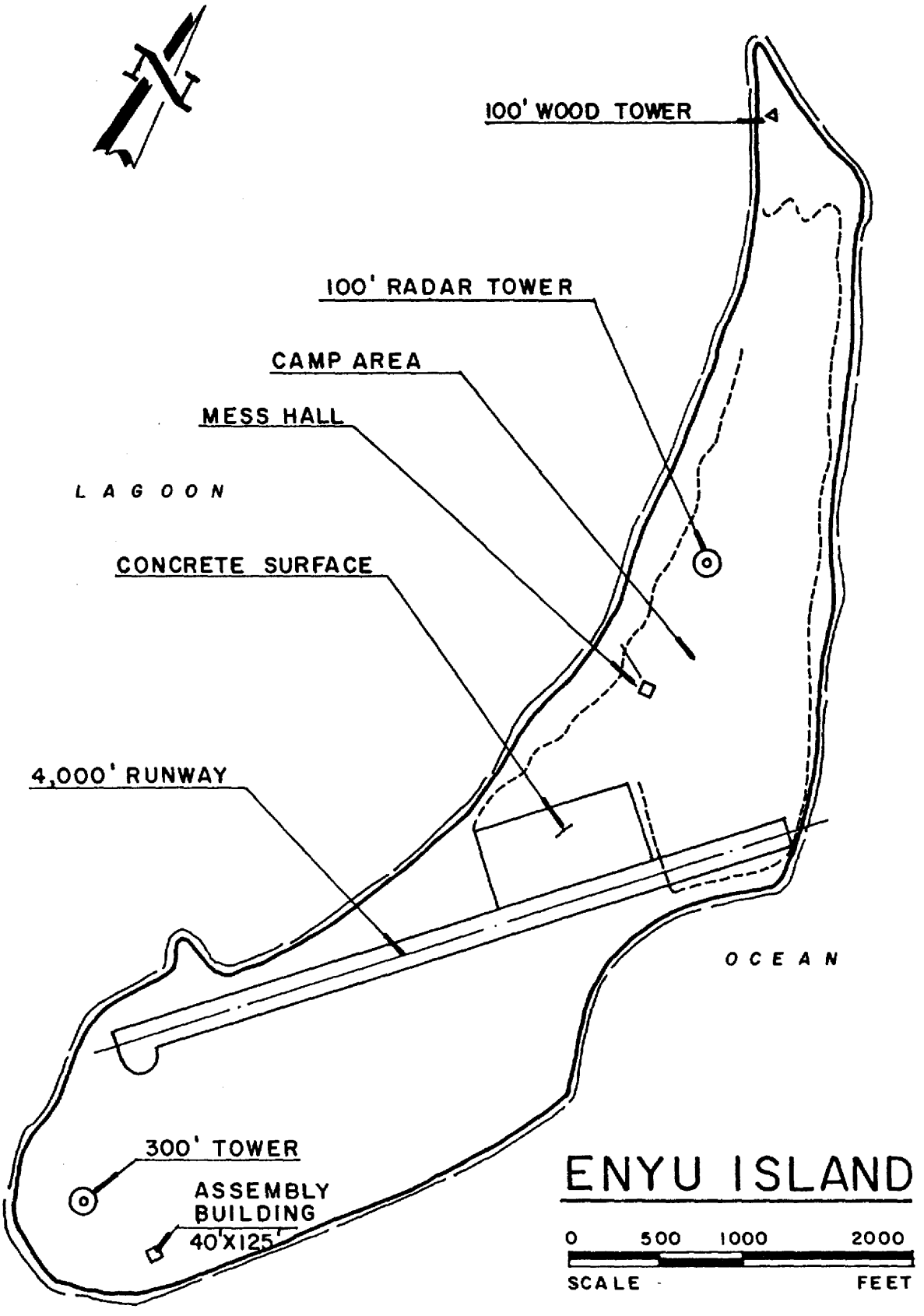

100' WOOD TOWER
100' RADAR TOWER
CAMP AREA
MESS HALL
LAGOON
CONCRETE SURFACE
4,000' RUNWAY
OCEAN
300' TOWER
ASSEMBLY BUILDING
40'X125'
ENYU ISLAND
0 500 1000 2000
SCALE FEET

FIGURE 2

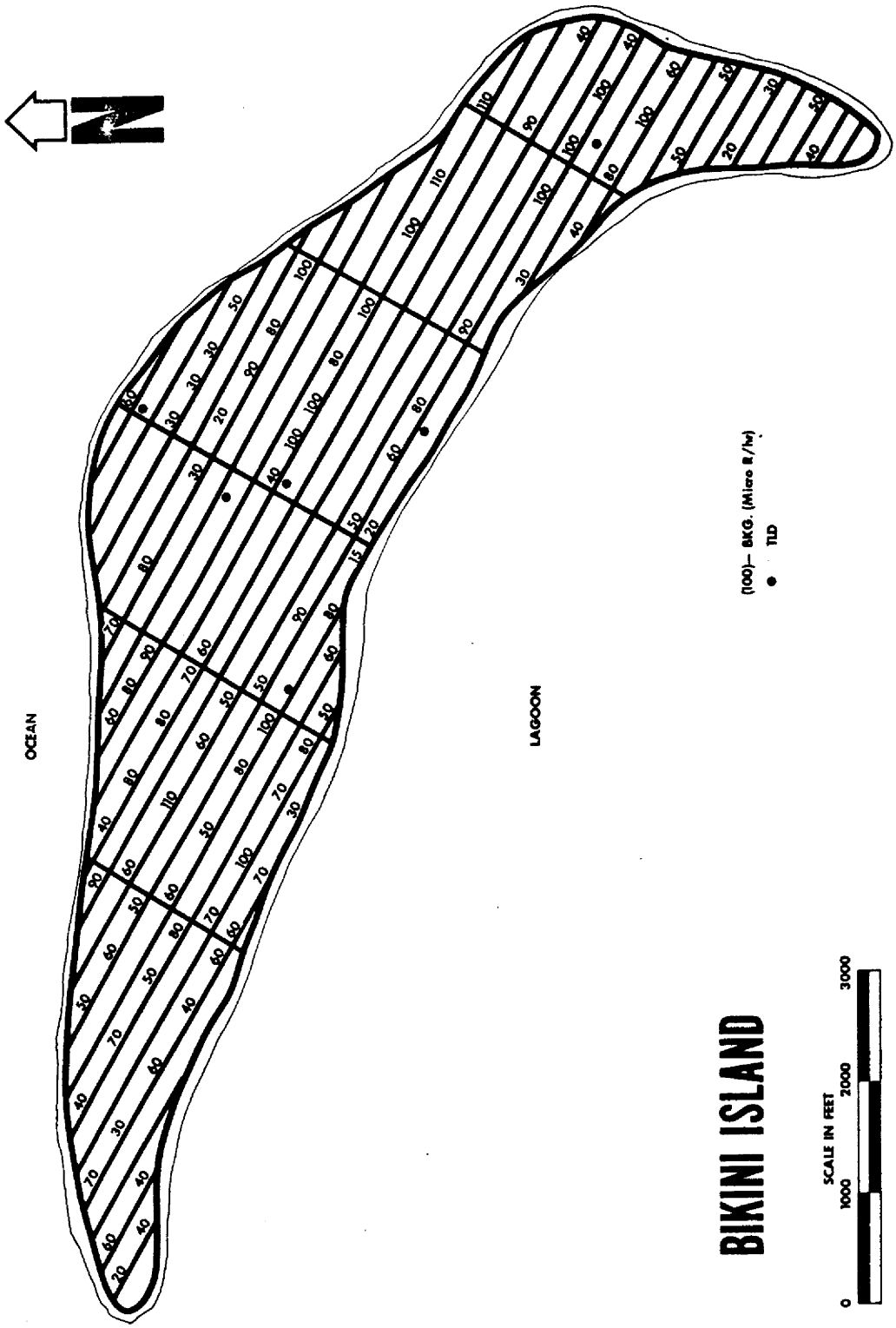
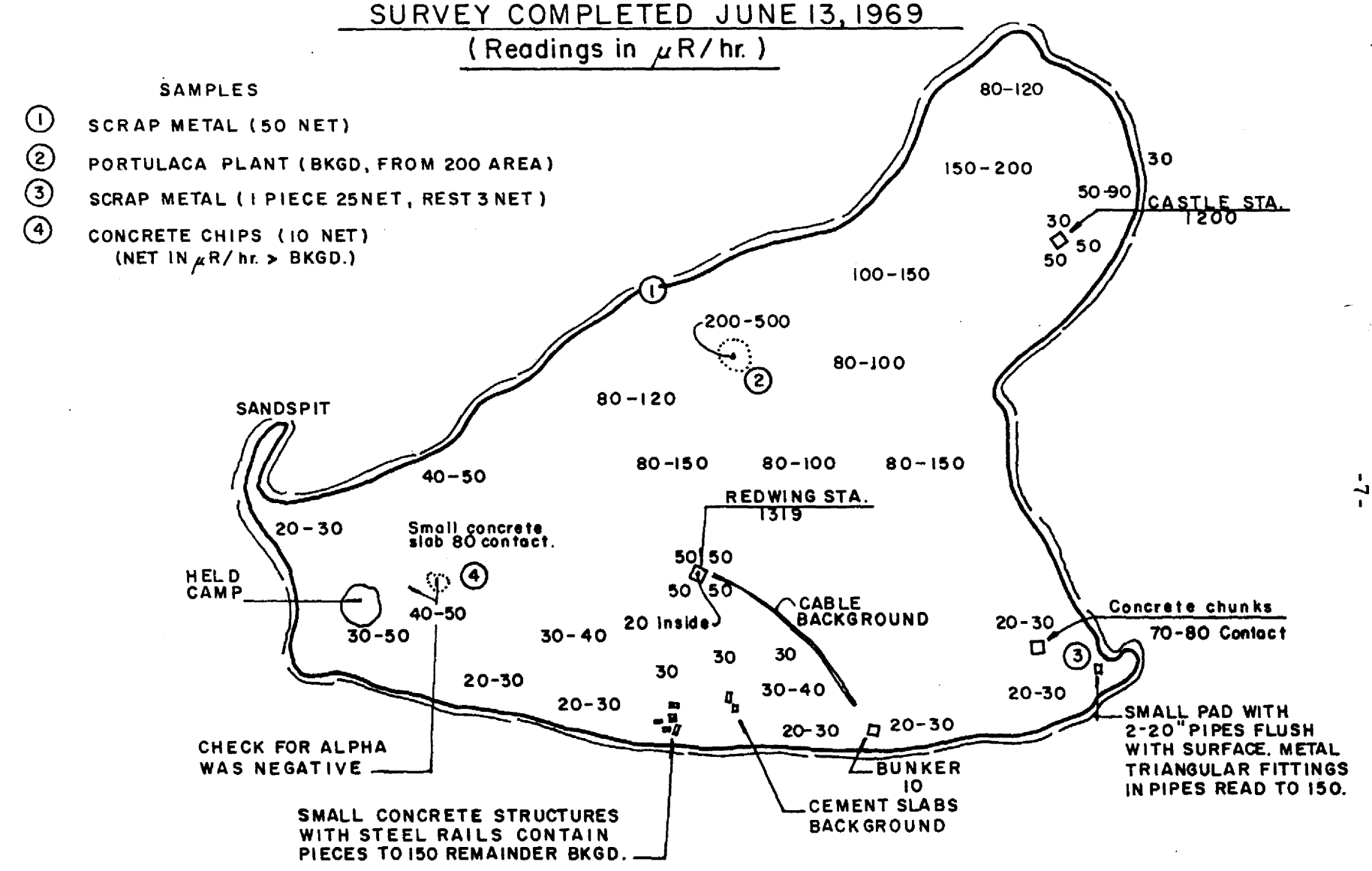

N
OCEAN
LAGOON
(100)— BKG. (Micro R/hr)
TLD
BIKINI ISLAND
SCALE IN FEET
0
1000
2000
3000

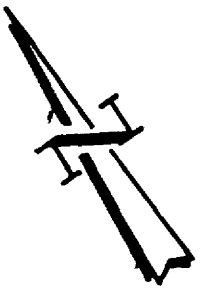
FIGURE 3



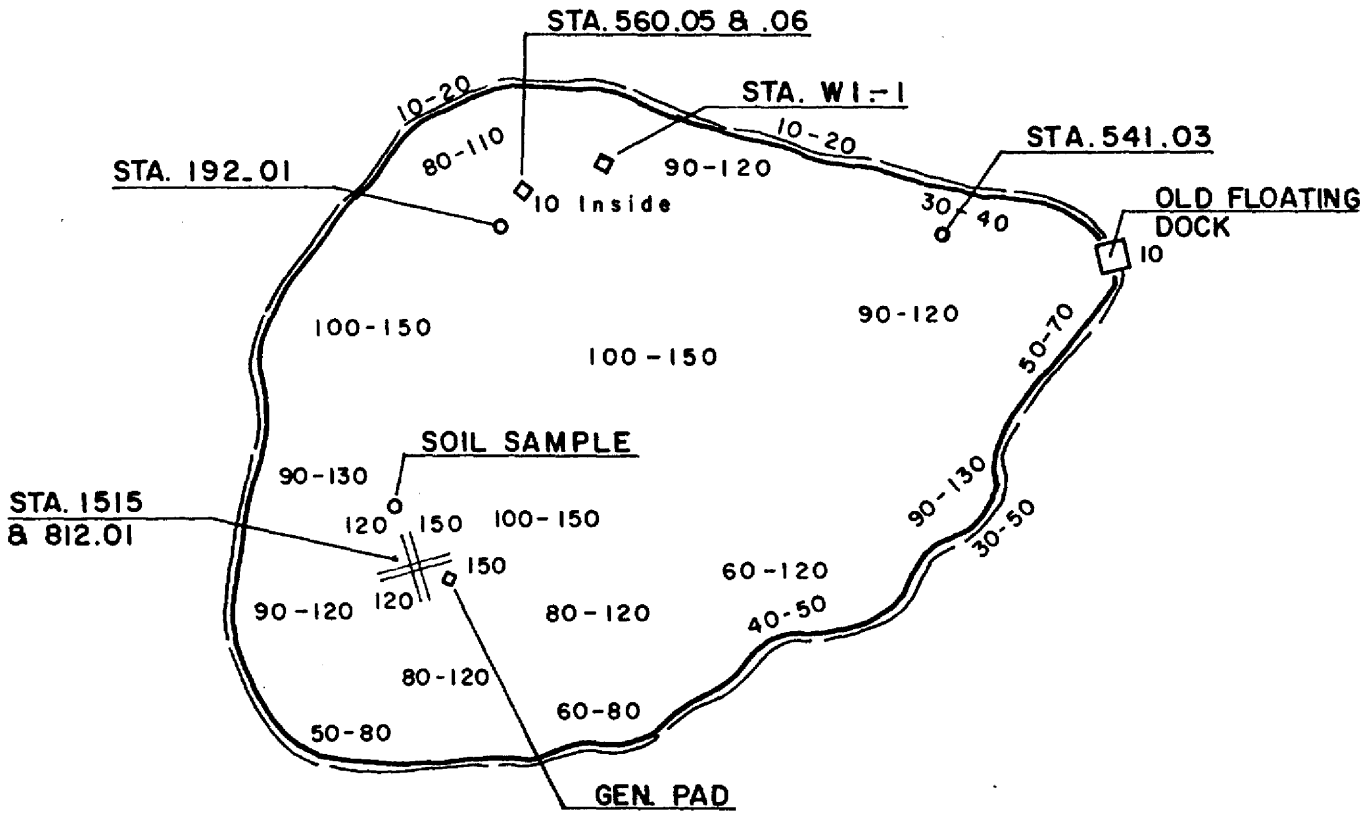
BIKINI OPERATION CHARLIE (NAM) ISLAND

FIGURE 4

SURVEY OF JUNE 28, 1969
(All readings in μR/hr)



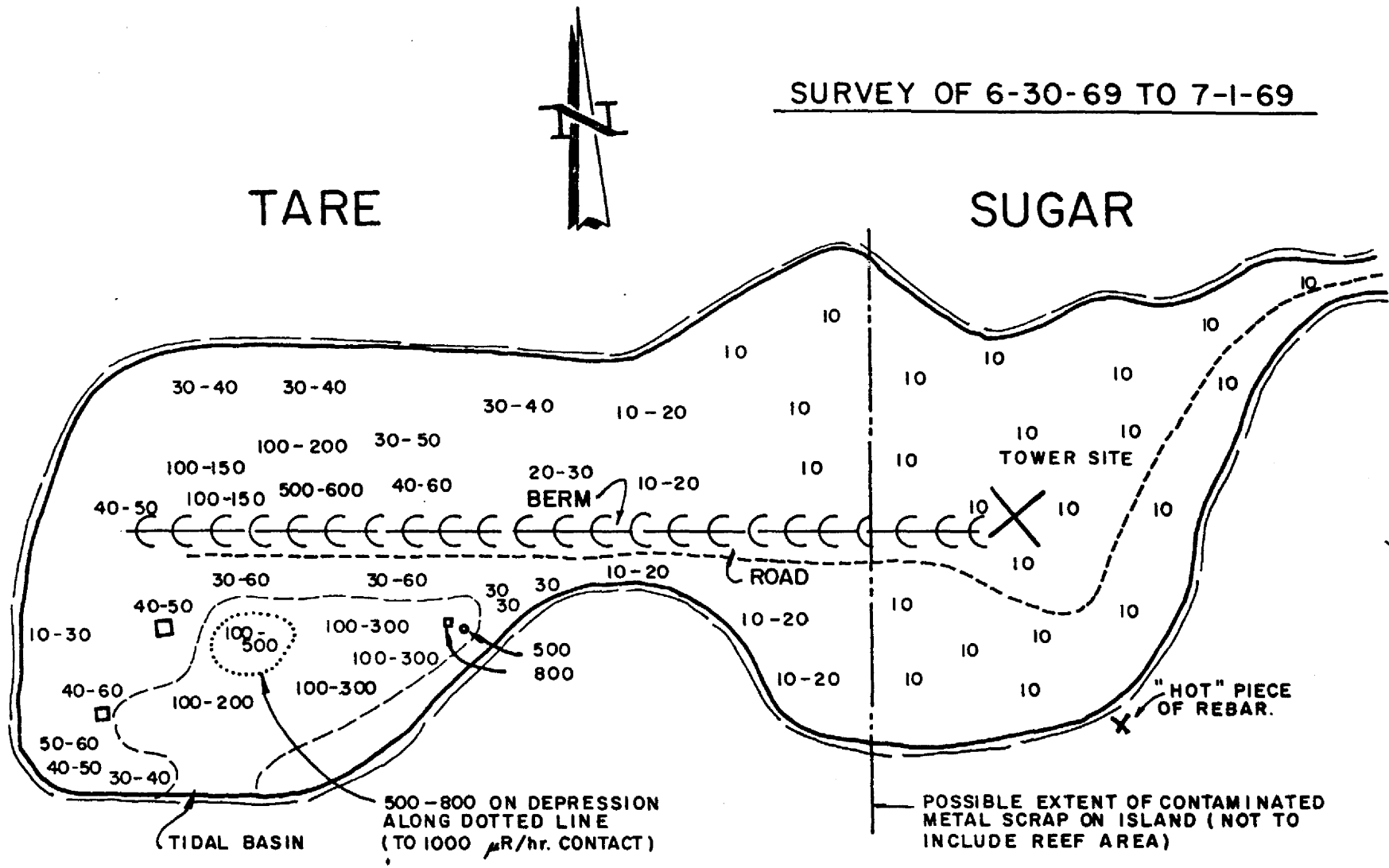
NOTE:
No contamination or induced activity detected on structures or debris.



BIKINI ATOLL
WILLIAM ISLAND

FIGURE 5

SURVEY OF 6-30-69 TO 7-1-69

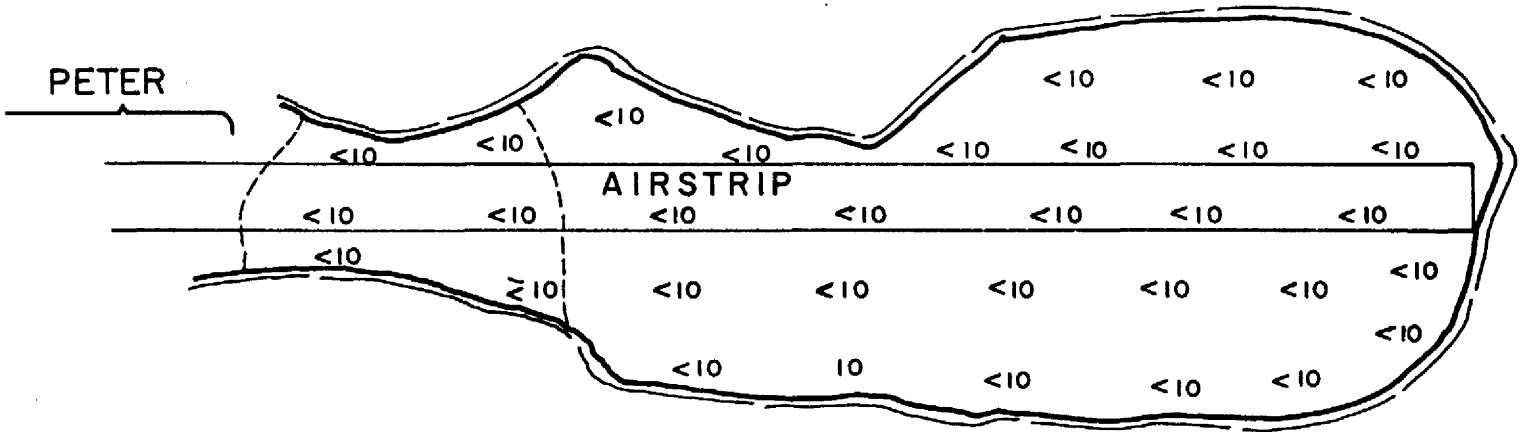


(All readings in μR/hr.)

FIGURE 6

SURVEY COMPLETED JULY 3, 1969

(All readings in μR/hr)



Note:
No contaminated material found on reef or beach.

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FIGURE 8