

METOFATIUM FOR: CUTF SEVEN

10 March 1954

SUBJECT: Report on Soil and Water Sampling Mission

- L. In compliance with your oral instructions, the undersigned visited Wotje Erikub, Maloclap, Wothe, Majuro Atolls in the Marshall Islands 5 through 7 March 1954 for the purpose of obtaining earth and drinking water samples, and of measur ing games, may do so rates, and also checked to radiological condition of the S.S. ROQUE on its arrival at Majure 7 March 1954.
- 2. The first four atolls were visited by Marshallese interpreter Takushi and the writer by means of an UF-1 amphibious sireraft. Majuro was reached by C-47. Exikub might have been omitted since it was not inhabited, being property of the Wetje tribe which goes there only occasionally to gather copra. (This was unknown until after the visit.
- 3. At each atoll, only the principal inhabited island was visited. At each visited island an effort was made to compose a representative soil average by collecting into a single container several samples, each approximately one square foot of area and one inch depth. Water samples were collected from the principal sources currently in us . The gamma dos ret a are averages for the inhabited arcas.
- 4. With regard to certain minor discrepancies between the survey methods u by Major R. D. Crea and the writer; it was originally planned to perform the sur jointly, and when it became advisable to superate and survey different atolls, n time remained for discussion of catalle of Camulagues.
- 5. Gamma-ray dos. rates on Woth and on Erimib are each the average of MX-; and AN/PDR-39 average readings which agreed reasonably well. The MX-5 was render inoperative when the rubber life raft was swamped by surf on the first attempt to launch from the beach at Erikub. Following to Wothe survey, the PDR-39 develop. a temperature-dependent reading of 0.4 - 1 pr hat, so that later readings in this range are of very dubious reliability.
- 6. The following tabulation summarizes to atoll survey. S is Soil, W is Water Sample:

ATOLL	ISLAND	D. TI	TIE	S. HFLE NO.	MR/HR & SAMPLING
WOTJE	ORMED	5 Mer	1600	8 18 11 1	3.5 mr/hr, 1-beach, 3-mid-village, 1-back village.
				₩€	well plus a catch basin.
ERIKUB	ER LKUB	* Mar	1715	15 - 6	1.5 mm/hr. 1-mid-village, 1 or path to boach. No inhabit-
n IDOE					ants, no water supply found.

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CLASSIFICATION CANCELLED

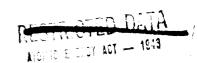
LICTA	ISLAND	DATE	TIME	SAMPLE NO	MR/HR & SAMPLING
MALOFIAP	KA VEN	6 Mar	1130	87 W12 W13	1.8 mr/hr, 2-village, 2-path to beach. Well water. From catch basin.
MOTHO	WOTHO	6 Mar	2615	:S8 W9	0.8 mr/hr, 1 by well; 2-mid- village. Well water (no rain in catch basin for 2 mo.)
M.\JURO	ULIGA.	/ Mar	1200	MJ T Në	0.5 mr/hr, 4 from near Admin Bldg. Tap water.

- 7. Pacific Micronesian Line S.S. "ROQUE", Master: Lawrence Blanc, home port Guam, left Ebeye 0840 M on 1 Merch, entered channel to Utirik Lagoon about 1200 M on 2 March, and anchored in Lagoon at 1524 M on 2 March; docked at Majuro (Uliga Is.) 1630M on 7 March. Readings (mr/hr) after docking: 2-3 inside main dock struture, 10 on open dock, 5-8 in sleeping quarters on upper dock, 10-30 on rope and canvas. Prior radiction levels cannot be estimated because of rain equalls and u certainty about when docks last washed. Last a was advised to have docks washed down as soon as convenient. He was teld that the activity would not hurt anyone, but that it was undesirable to have it around Longer than necessary.
- 8. RECOMMENDATIONS: Future visits to Errkub and Maloclap should not be attempted by UF-1 except under conditions of greater urgency. The writer's price experience in such operations is very limited, but from his own observations pluthe remarks made by thes bother qualifies to judge, it appears that a fair ame of risk is involved.
- 9. Especially notable was the very cooperative attitude of the Navy personatt Kwajalein and the Marshall District Administrative Officials at Majuro in supporting this mission.

1 Incl:
Marshall Islands Atoll
Samples collected by Table
White, 5-7 March 1944

/s/ I. h. White DF. T. h. MHITE Might Division LASI







MARSHALL ISLANDS ATOLL SAMPLES COLLECTED BY T. N. WHITE, 5-7 MARCH 1954

Earth samples were collected as follows:

At each island visited several samples were dug and put into the same one-gallon "ice-cream carton". Each sample (i.e. each digging) approximated on square foot to a depth of one inch. The number and locations of the samples we selected to represent, as well as could be judged, an average of the areas used by the inhabitants, after the samples were mixed in the carton. Areas that were unusually shaded or unshaded by trees were avoided. The large "pebbles" in the composite represent corel gravel from "make "treet" through the village.

Water samples were solucted according to the principal source in current us

Inclosure 1.



