

Office Memorandum • UNITED STATES GOVERNMENT

TO : Dr. C. L. Dunham, Director, Division of
Biology and Medicine, Washington 25, D. C.

DATE: June 15, 1956

FROM : Edward P. Hardy, Chemist, Analytical Branch
HASL, New York Operations Office, New York

400192

SUBJECT: NRDL MARSHALL ISLAND RE-SURVEY - 1956
RESULTS OF ANALYSES PERFORMED AT HASL

SYMBOL: HSA:EPH

only three copies received. I have
provided one copy. Assume

I am sending four photostated copies of data currently
available on the NRDL Resurvey samples. There will be
additional information forthcoming within three weeks.
This will involve several results of Sr-90 analyses of
"control" urine as well as Cs-137 data on all urine sam-
ples collected by NRDL.

074786

NMB 3

5002017

ACCOL - MARSHALL ISLANDS Survey

| Sample No. | Date | Collection location | Depth meters | Bottom temperature degrees C. | Water temperature degrees C. | Specific conductance ppm | Salinity | Notes |
|------------|------|---------------------|-----------------|--|---------------------------------------|--------------------------------|----------|------------------------------|
| 3492 | 6/05 | Embut | 65245 | 3.8 | 3.0 | 30.0 | 34.0 | 93.197 from ppm |
| 3493 | 6/09 | " | 241 | 6.2 | 6.6 | 30.6 | 34.0 | 24.007 |
| 3494 | 6/09 | " | 290540 | 1.314 | 1.314 | 29.12 | 34.2 | |
| 3495 | 6/19 | 44109 | 53 | 6.6 | 6.6 | 30.6 | 34.0 | |
| 3496 | 6/19 | " | 65 | 2.75 | 2.75 | 2.0 | 2.2 | |
| 3497 | 7/11 | Pinatub | 369 | 3.69 | 3.71 | 30.7 | 34.1 | |
| 3498 | 7/11 | " | 3000 ± 93 | 0.347 | 0.347 | 10.4 ± 1.8 | 12.4 | |
| 3499 | 7/11 | Pinatub | 61 | 6.1 | 6.1 | 30.7 | 34.1 | |
| 3500 | 7/11 | " | 3000 ± 93 | 12.0 ± 6.9 | 12.0 ± 6.9 | 13.10 ± 5.3 | 14.4 | |
| 3501 | 7/11 | Agan | 0.348 | 0.348 | 0.348 | 24.40 ± 3.0 | 26.4 | |
| 3502 | 7/12 | " | 0.305 | 0.305 | 0.305 | 24.40 ± 3.0 | 26.4 | |
| 3503 | 7/12 | Alitik | 0.348 | 0.348 | 0.348 | 24.40 ± 3.0 | 26.4 | |
| 3504 | 7/12 | " | 73 | 7.3 | 7.3 | 27.2 | 29.2 | |
| 3505 | 7/12 | " | 1610 ± 42 | 0.261 | 0.261 | 17.1 ± 2.1 | 19.1 | |
| 3506 | 7/12 | " | 557 | 0.355 | 0.355 | 26.2 | 28.2 | |
| 3507 | 7/12 | Sihi | 0.353 | 0.353 | 0.353 | 26.2 | 28.2 | |
| 3508 | 7/12 | " | 620.74 | | | | | * Receipt as received at MAF |

Year : March 1954 Second Survey - 1956

Year : Massman Island Recovery - 1956

Results of exercises performed at Hash.

| WATER | HAUL # | HAUL # | Sampling location | Type | Torsal denticity | % to 90 | % to 100 |
|-------|--------|--------|-------------------|--------|------------------|------------|----------|
| | 34977 | 545 | Gigem | yellow | 2500 ± 32 | 31.0 ± 2.0 | 21.2 |
| | 34870 | 679 | Emirekt | yellow | 360 ± 23 | 13.0 ± 1.2 | 2.1 |
| | 35246 | 755 | Atrikt | " | 375 ± 15 | 44.2 ± 5.2 | |
| | 35247 | 797 | " | " | 34 ± 5 | 35.1 ± 4.6 | |
| | 35248 | 786 | cisnon | " | 43 ± 20 | 49.0 ± 18 | |
| | 35249 | 757 | " | " | 21 ± 20 | 27.8 ± 6 | |
| | 35477 | 830 | Litop | " | 18 ± 14 | 34.1 ± 9 | |
| | | | | | | | |
| | 34587 | 1003 | Gigem | yellow | 35 ± 5 | | |
| | 34579 | 1006 | " | " | 4.2 | | |
| | 34739 | 1007 | Emirekt | " | 4.20 | | |
| | 34977 | 1028 | Emirekt | " | 5.19 | | |
| | 35029 | 1023 | Siglo | " | 4.20 | | |
| | 35245 | 1060 | Atrikt | " | 5.19 | | |
| | 35466 | 1032 | Litop | " | 4.20 | | |
| | | | | | | | |
| | 34610 | 1062 | Gigem | green | 34.4 ± 2.2 | | |
| | 34611 | 1037 | " | " | 5.15 | | |
| | 34729 | 1008 | Emirekt | " | 5.23 | | |
| | 34746 | 1027 | Emirekt | " | 2.52 ± 1.9 | | |
| | 35100 | 1033 | Siglo | " | 5.14 | | |
| | 35247 | 1029 | Atrikt | " | 4.21 | | |
| | 35755 | 1031 | Litop | " | 4.5 ± 1.7 | | |

* Sample directly plotted
** Sample scattered w/ * (0.41)

| WATER | HAUL # | HAUL # | Sampling location | Type | Torsal denticity | % to 100 | Co. of sample |
|-------|--------|--------|-------------------|--------|------------------|------------|---------------|
| | 34977 | 545 | Gigem | yellow | 2500 ± 32 | 31.0 ± 2.0 | 3.0 ± 2.1 |
| | 34870 | 679 | Emirekt | yellow | 360 ± 23 | 13.0 ± 1.2 | 1.0 ± 1.2 |
| | 35246 | 755 | Atrikt | " | 375 ± 15 | 44.2 ± 5.2 | 3.5 ± 4.6 |
| | 35247 | 797 | " | " | 34 ± 5 | 35.1 ± 4.6 | 3.0 ± 4.6 |
| | 35248 | 786 | cisnon | " | 43 ± 20 | 49.0 ± 18 | 3.5 ± 18 |
| | 35249 | 757 | " | " | 21 ± 20 | 27.8 ± 6 | 2.0 ± 6 |
| | 35477 | 830 | Litop | " | 18 ± 14 | 34.1 ± 9 | 2.5 ± 9 |
| | | | | | | | |
| | 34587 | 1003 | Gigem | yellow | 35 ± 5 | | |
| | 34579 | 1006 | " | " | 4.2 | | |
| | 34739 | 1007 | Emirekt | " | 4.20 | | |
| | 34977 | 1028 | Emirekt | " | 5.19 | | |
| | 35029 | 1023 | Siglo | " | 4.20 | | |
| | 35245 | 1060 | Atrikt | " | 5.19 | | |
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| | 35755 | 1031 | Litop | " | 4.5 ± 1.7 | | |

* *

| | | | |
|---|-----------|-----------|-------------|
| → | Scattered | directly | 2/29/03 |
| → | Scattered | scattered | with 2.0413 |