File

HSA:JHH:krw

November 27, 1956

Dr. Lauren R. Donaldson
Applied Fisheries Laboratory
University of Washington
Seattle 5, Washington

Dear Lauren:

Somehow, under the pressure of producing results for Biology & Medicine, the data on the last survey samples was not forwarded to you. This data has been worked up in Washington, as you probably know. Later results are included in the attached typed sheet.

In the tables we do not have information on the wet weight of the Cenobita samples but everything else was complete. There are certain analyses not yet complete and one or two that are being rechecked. Sr^{90} figures have been obtained at HASL and also at Nuclear Science & Engineering Corp., and at Isotopes, Inc. Another point is the Strontium Units (SU) reported for soil are shown as minimum values. This is because no one can agree on the actual available strontium in a coral soil. Apparently this is very low and the soil SU values are probably two or three orders of magnitude higher than the minimum.

I had a chance to talk to Al at a recent meeting in Washington and it looks like we will have some good communication while he is there. He will certainly have his hands full and I would not be surprised to see him trying to get back on board a survey vessel.

Sincerely,

John H. Harley, Chief
Analytical Branch

Enclosures:
1. Table entitled "UWAFL - Post Redwing Marshall Island Survey Samples"
2. Table entitled "Invertebrates and Fish"

cc: I B Whitney, HSA

HSA:IBW

November 19, 1956

Dr. Lauren R. Donaldson
Applied Fisheries Laboratory
University of Washington
Seattle 5, Washington

Dear Lauren:

I am enclosing a copy of the Post Red Wing Marshall Island Survey data and also the corrections which are necessary in bring the table up-to-date. Apparently, we did not get the weight of several of the invertebrate samples which I hope will not invalidate the data which was obtained. This data certainly looks logical from all that we have seen in the past.

Sincerely yours,

Ira B. Whitney
Assistant Chief
Analytical Branch

HSA
Whitney:sm
11/19/56

Invertabrates and Fish

HASL #	Sr^{90} d/m/g - wet	S. U.
4043	1.15 ± 0.029	3.39 ± 0.08
4044	0.27 ± 0.0074	150
4046	0.046	----
4037	0.058 ± 0.029	27 ± 13

Water

HASL #	Sr^{90} d/m/Liter
3814	147 ± 4.32
3815	77 ± 2.84

Soil

HASL #	d/m/g - wet	S. U.
3810	1.39 ± 0.06	1.90 ± 0.08