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410890

December 6, 1957

Dr. John H. Harley, Chief
Analytical Branch
Health and Safety Laboratory
U.S. Atomic Energy Commission
New York Operations Office
70 Columbus Avenue
New York 23, New York

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Dear John:

Thanks for your letter of November 27, 1956, with the attached tables of data on the post Redwing surveys.

In studying the tables we notice the omission of the wet weight data and calculations for Sr⁹⁰ and calcium for samples 4047-4054.

Since we do not have the wet weight of the samples sent you, as I mentioned in the telephone conversation, we have calculated the wet weights from the data we have available. The calculation was made by taking the difference in weight of the samples we have from our original dry weight samples to get the dry weight of the samples sent to you and then multiplying this dry weight by the conversion factors to obtain the wet weight of the samples sent to you. Enclosed is a table showing "Weights of Samples Sent to NYOO August 10, 1956.

We notice a difference for sample #3815 on the two sheets of x 100 and wonder if a decimal point is out of place.

HASL #3815

Sr⁹⁰

d/m/liter of water

77±2.84 (typed sheet)

#3815 (I. Inc.) 7700±300 (reproduced sheet)

We here at AFL hope you and the members of your group have a very fine Holiday Season.

Sincerely,

Lauren R. Donaldson
Director

LRD:gb
Enclosure
cc: Allyn H. Seymour

to:

WASI# 3015 water

or 90 d/m/l

1.10
WASI

7/00/200 (Ozalia sheet)

7 ± 0.04 (Typed sheet)

WASI# 3010 Soil d/m/g wet

1.39 ± 0.06

(Typed sheet)

perhaps should read Sr 90 ?

R Pal

Not
Microfilm
Quality

Weights of Samples Sent to NY00 August 10, 1956

HASL Number	UWFL Number	Tissue	Dry Weight Grams	Conversion Factor Dry to Wet Weight	Wet Weight Grams
4047	I-49	Muscle	1.3	4.03	5.2
4048		Skeleton	5.9	1.44	8.5
4049		Liver	1.8	2.44	4.4
4050	I-50	Skeleton	6.8	1.44	9.8
4051		Liver	0.76	2.44	1.9
4052		Muscle	1.1	4.03	4.4
4053	I-152	Skeleton	1.6	1.44	2.3
4054	I-151	Skeleton	2.8	1.44	4.0

NOTE: The dry weights given here are the difference between the weight of the total sample and the portion retained by the Applied Fisheries Laboratory.