

Pacific survey

Office Memorandum • UNITED STATES GOVERNMENT 400261

TO : Dr. J. H. Harley and Mr. I. B. Whitney
Analytical Branch, Health and Safety Laboratory

DATE: August 1, 1956

FROM : E. P. Hardy and W. R. Collins

SUBJECT: UWAFI - 1954 MARSHALL ISLAND SURVEY
Results of Analyses of Samples sent to HASL

Seven (7) oven-dried samples of fish liver and muscle were received at HASL on October 26, 1955. They were sent by Dr. Donaldson's group and at the time, no other pertinent information was available. Each sample was wet-ashed and analyzed for total activity and Sr-90. In two cases where there was enough material, a Cs-137 analysis was performed. Dr. Donaldson, in his letter of April 5, 1956, offered descriptive information as to the date and sampling location. However, no wet-weight data were given. It was not until Mr. Whitney visited the AFL that it was confirmed that no wet-weights were available.

The results of our analyses are presented in the table below:

Sampling Location: Eniwetok Island
Organism: Bonito
Collection Dates: 11/23-26/56

HASL #	UWAFI #	Remarks	Tissue	T. A. d/m/g-dry	Sr-90 d/m/g-dry	Cs-137 d/m/g-dry
3018	1349	Deep Pass	liver	100± 3	7.9±1.7	
3019	1349	Deep Pass	muscle	15± 0.8	±0.2	
3020	1353	Yvonne (2137g fish)	liver	170± 4	±0.9	
3021	1353	Yvonne (2137g fish)	muscle	12± 0.5	lost	
3022	1361	So. of cra- ter (2188g fish)	liver	2900±17	12 ±7.8	170±21
3023	1370	Yvonne (2500g fish)	liver	390± 6.1	±1.6	23± 6
3024	1370	Yvonne (2500g fish)	muscle	19± 0.6	±0.4	

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