

J. S. NAVAL RADIOLOGICAL DEFENSE LABORATORY  
SAN FRANCISCO 24. CALIFORNIA

IN REPLY REFER  
TO FILE:  
3-935  
RWR:saw

4 APR 1955

Dr. John H. Harley  
New York Operations Office  
Atomic Energy Commission  
Ansonia Station, Box 30  
New York, N. Y.

Dear Dr. Harley:

The soil samples you requested are being shipped to your laboratory via air.

Sample sources and pertinent data are as follows:

<u>Sunshine</u> #	<u>Sample No.</u>	<u>Island</u>	<u>Depth</u>	<u>Location description</u>
1212	16	Likiep	0-1 <sup>st</sup>	Near garden in east central portion of isl
1213	45	Utirik	0-5 <sup>th</sup>	Near west end of road into coconut grove.
1214	47	Rongelap	0-1 <sup>st</sup>	50 yds. inland from ocean. NE of N villag
1215	56	"	0-1 <sup>st</sup>	50 yds. E of dispensary.
1216	76	"	0-1 <sup>st</sup> )	Center of island. One mile south of N village.
1217	77	"	1 <sup>st</sup> -5 <sup>th</sup> )	
1218	98	Eniaetok	0-1 <sup>st</sup> )	50 yds. NE of cemetery.
1219	99	"	1 <sup>st</sup> -5 <sup>th</sup> )	
1220	100	Labaredj	0-1 <sup>st</sup> )	Center of N coconut grove.
1221	101	"	1 <sup>st</sup> -5 <sup>th</sup> )	
1222	133	Kabelle	0-1 <sup>st</sup> )	South coconut grove.
1223	134	"	1 <sup>st</sup> -5 <sup>th</sup> )	
1224	148	"	0-1 <sup>st</sup> )	North coconut grove.
1225	149	"	1 <sup>st</sup> -5 <sup>th</sup> )	
1226	160	"	0-1 <sup>st</sup> )	100 yds. from N end of island.
1227	161	"	1 <sup>st</sup> -5 <sup>th</sup> )	
1228	177	Gejen	0-1 <sup>st</sup> )	Near coconut trees on west end of island.
1229	178	"	1 <sup>st</sup> -5 <sup>th</sup> )	
1230	205	Bikar	0-1 <sup>st</sup> )	50 yds. E of coconut grove.
1231	206	"	1 <sup>st</sup> -5 <sup>th</sup> )	
1232	216	Eniwetak	0-1 <sup>st</sup> )	100 yds. west of mess hall.
1233	217	"	1 <sup>st</sup> -5 <sup>th</sup> )	

Emphasis was placed on collecting soil samples representing the food production areas and due to the extremely dense root systems near the surface of the soil layer it was not feasible to collect geometrically precise samples. The samples are, however, representative of the depths indicated.

In all cases consecutively numbered samples, the first sample at 0-1<sup>st</sup> depth and the second at 1<sup>st</sup> to 5<sup>th</sup> depth, were taken from the same location.

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I sincerely hope that the samples will be satisfactory for your purpose.

Very truly yours,

*Robert W. Rinehart*

ROBERT W. RINEHART

Analytical and Standards Branch, Code 3-935