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Office Memorandum • UNITED STATES GOVERNMENT

TO : Dr. Walter Claus, Chief, Biophysics Branch,
Division of Biology and Medicine, Washington

DATE: April 23, 1954

FROM : Daniel E. Lynch, Coordinator of Special Projects, *D.E. Lynch*
Health and Safety Laboratory, New York

410230

SUBJECT: ~~X~~ FALLOUT DATA FROM SHIPS

SYMBOL: HS:DEL

I am enclosing a table of fallout data from ships. Only samples having more than 64 gross counts per minute have been included. The activity corresponding to this limiting count is about 800 d/m/sq. ft. on counting day. The tabulated results are extrapolated to sampling day.

I am also enclosing a key showing the limits of latitude and longitude corresponding to the coded locations.

For the purpose of extrapolating we have arbitrarily attributed the activity to the most recent burst preceding sampling. We followed this rule also in the case of fixed stations in region 9, included in a table sent to you under separate cover. The region is indicated by the first of the three digits of the station number.

Activity collected in regions 1 through 8 is attributed to the burst preceding the most recent one except that all activity collected between the first two bursts is attributed to No. 1.

The data I am sending today includes the samples counted on April 16.

- Enclosures:**
- Table of Fallout Data from Ships
 - Key to Ship Locations

US DOE ARCHIVES 326 US ATOMIC ENERGY COMMISSION	
RG _____	COMMISSION
Collection <u>DBM Files</u>	
Box <u>1194 B-1</u>	
Folder <u>Area Exposure - CASTLE</u>	
Fallout Maps - Gummed Paper	

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CLASSIFICATION CANCELLED

BY AUTHORITY OF TOPIC 1841.1 CGW-4
DOE 5650.2, III-12

BY Jane Noyes DATE 5/13/81

BY Wilbur A. Frazer DATE 5-18-81

NON-CCRP

[REDACTED]

LATITUDE NORTH

	0-10	10-20	20-30	30-40	40-50	50-60	60-70
110-120	76	59	44	31	-	-	-
120-130	75	58	43	31	19	-	-
130-140	74	57	42	30	18	8	-
LONGITUDE WEST 140-150	73	56	41	29	17	7	-
150-160	72	55	40	28	16	6	-
160-170	71	54	39	27	15	5	1
170-180	70	53	38	26	14	4	1

	0-10	10-20	20-30	30-40	40-50	50-60	60-70
100-110	62	45	-	-	-	-	-
110-120	63	46	-	-	-	-	-
120-130	64	47	32	20	-	-	-
LONGITUDE EAST 130-140	65	48	33	21	9	-	-
140-150	66	49	34	22	10	-	-
150-160	67	50	35	23	11	-	-
160-170	68	51	36	24	12	2	-
170-180	69	52	37	25	13	3	-

[REDACTED]

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[REDACTED]

[REDACTED]

Activity Est. 2 and to Summary

<u>Location</u>	<u>S-Date</u>	<u>S-Date</u>	<u>d/</u>
24	91	4/1	7
40	76	3/17	2
	85	4/5	5
	95	4/5	71
51	93	4/3	31,0
	99	4/9	56
	100	4/10	17
52	89	3/30	2,700,
68	90	3/31	280,
	92	4/2	98,

[REDACTED]

Activity Estimates to Sampling Days

<u>Location</u>	<u>S-Day</u>	<u>S-Date</u>	<u>d/m/ft²</u>
26	80	3/21	51,000
27	81	3/22	15,000
	82	3/23	15,000
28	83	3/24	17,000
	84	3/25	3,000
29	85	3/26	290,000 210
30	83	3/24	1,800
31	86	3/27	12,000 12,
	94	4/4	8,200
	94	4/4	4,800 75,
33	83	3/24	2,300
34	84	3/25	1,800
36	76	3/17	18,000
37	77	3/18	10,000
	78	3/19	21,000
	92	4/2	2,700 30,000
38	79	3/20	12,000
	80	3/21	65,000
	93	4/3	4,600 58,000
39	92	4/2	18,000 500,000
40	82	3/23	14,000
	95	4/5	1,700 19,000 4,000,000
	96	4/6	270,000 [REDACTED]
	96	4/6	350,000 [REDACTED] 680,000

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<u>L. No.</u>	<u>S. No.</u>	<u>S. Date</u>	<u>A/m/ft²</u>
	97	4/7	13,000
	98	4/8	15,000
40	96	4/6	65,000 11,000
	97	4/7	25,000
41	88	3/29	7,100
	93	4/3	12,000 150,000
42	94	4/4	8,600 135,000
43	86	3/27	15,000 15,000
46	82	3/23	1,200
47	83	3/24	3,600
	87	3/24	12,000 28,000
48	74	3/15	5,600
	75	3/16	6,400
	78	3/19	3,500
	79	3/20	4,000
	80	3/21	4,600
	81	3/22	7,400
	82	3/23	3,400
	89	3/30	110,000 60,000
	91	4/1	65,000 60,000
	92	4/2	24,000 57,000
49	76	3/17	4,600
	75	3/17	5,700
	76	3/17	3,800
	77	3/18	4,300
	78	3/18	4,800

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<u>Location</u>	<u>S- Day</u>	<u>S- Date</u>	<u>Amount</u>
49	83	3/24	1700
	85	3/26	110,500
50	78	3/19	5,200
	79	3/20	2000
	80	3/21	2100
	82	3/23	4600
	86	3/27	75,000,000
51	75	3/16	18,000
	88	3/29	10,000,000
52	83	3/24	5,000
	84	3/25	5100
	85	3/26	500,000
	87	3/28	360,000
	88	3/29	150,000
53	85	3/26	780,000
	87	3/28	86,000
54	81	3/22	1400
	84	3/25	13,000
55	83	3/24	20,000
57	89	3/30	7,000
67	81	3/22	8600
68	80	3/21	11,000

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