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 Tentative Data on Fallout

Assume: total activity produced at D41 day is 66,500 megacuries.

Isomegacurie Lines (Megacuries/M <sup>2</sup> at D41 day)	Area Between Isomegacurie Lines (In Square Miles)	Total Area Within Isomegacurie Lines (In Square Miles)	Activity Between Isomegacurie Lines (megacuries)	Total Activity Within Isomegacurie Lines (megacuries)	% of Total Bomb Activity Between Isomegacurie Lines	% of Total Bomb Activity Within Total Area of Isomegacurie Lines
10 (Red)	480	480	6,400	6,400	9.2	9.2
5 (Blue)	1,220	1,700	8,100	14,500	12.2	21.4
1 (Green)	3,110	4,810	4,100	18,600	6.2	27.6
0.5 (Purple)	6,832	11,642	4,500	23,100	6.8	34.4
0.1 (Black)	32,358	44,000	4,300	27,400	6.4	40.8
0.05 (Yellow)	100,000(?)	144,000(?)	6,670 (?)	34,070 (?)	10.0 (?)	50.8 (?)

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CLASSIFICATION CANCELLED

BY AUTHORITY OF Topic 203 CGW4

BY Jane [Signature] DATE 7/24/81

BY Richard [Signature] DATE 7-29-81

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

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NON-CCRP

[REDACTED]

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CODE FOR FALLOUT STATIONS

Yellow - U. S. Weather Bureau

Black - U. S. Department of State

Blue - U. S. Air Force

Red - Canadian Weather Bureau

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EXPLANATION OF COLUMNS

1. This would be sample number -- our identification
2. Sample date -- Date (GCT) in which majority of time occurs
3. Counting date -- Date sample was counted in our laboratory
4. d/m/sq ft/24 hrs - Activity at the time of counting

The islands are given by name while the ship samples are shown as the location at the beginning and end of the sampling period.

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