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NW 972006A
By DM/LS Date 7/16/88
MAT:RLS

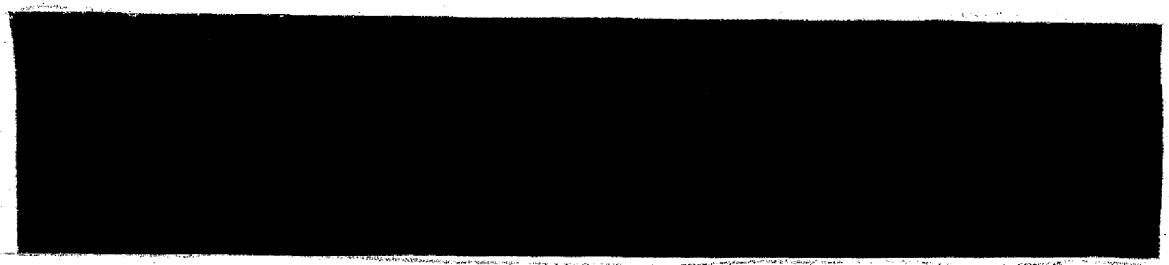
This document consists of 2 pages
No. 1 of 1 Copies, Series B
January 16, 1956

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MEMORANDUM For Dr. Libby

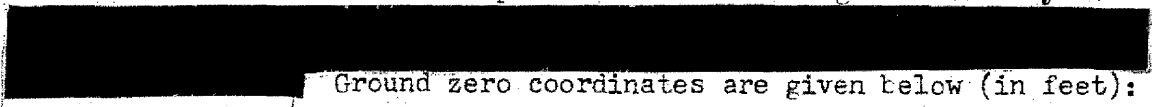
Subject: DEPTHS OF WATER UNDER EARCE SHOTS FOR REDWING

The following are the depths of water at the ground zeros of those megaton shots planned for firing from barges at REDWING:



DOE
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A few words about how these depths were obtained might interest you.



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Ground zero coordinates are given below (in feet):



REPOSITORY NARA College Park
RG 506 - Office of Secretary
COLLECTION 1957-1958 Correspondence
BOX No. 209 (NN3-326-93-010)
FOLDER MK3A7 Redwing Vol 1

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6-16-88

DEPARTMENT OF ENERGY DECLASSIFICATION REVIEW
SINGLES: EVALUATE (SEE INSTRUCTIONS)
DOE ORDER 5650.2B
REVIEWED BY: WChrobot
NAME: WChrobot
DATE: 05/24/95
CLASSIFICATION: SECRET
PAGE DOCUMENT

DEPARTMENT OF ENERGY DECLASSIFICATION REVIEW
1ST REVIEW DATE: 03/09/02
AUTHORITY: EAAC 1004-1000
NAME: WChrobot
2ND REVIEW DATE: 10/24/02
AUTHORITY: ADD
NAME: WChrobot
DETERMINATION (CIRCLE NUMBER)
 1. CLASSIFICATION CHANGED BY
 2. CONTAINS NO DOE INFORMATION
 3. COORDINATE WITH
 4. CLASSIFICATION CANCELLED
 5. DECLASSIFIED INFO BRACKETED
 6. OTHER (SPECIFY): 10-257

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1-16-88

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Dr. Libby

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6.1.05

"Prior to the shot the lagoon floor at the shot point was at a depth of 162 ft. The bottom in the vicinity was quite irregular, with a general slope toward the center of the lagoon and with a large number of coral heads. The post-shot survey indicated that the effect of the shot was to pulverize or depress the bottom directly under the shot point and to destroy the coral heads in the vicinity. Mud or fine (almost suspended) sand was deposited as indicated in the profiles at a uniform depth of about 180 ft. Lead line soundings by H&N during the placement of the barge for a later shot gave a depth of 250 ft."

If more accurate depths are required, we can get them from the Scientific Task Group, but it will take a few days.

/s/

Alfred D. Starbird
Brigadier General, USA
Director of Military Application

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By DM/LA Date 7/1/05

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