

ENIWETOK RADIOLOGICAL SURVEYSAMPLE ANALYSIS PROGRAMPROGRESS REPORTMAY 4, 1973

Attached is the bar graph showing progress on the Radiological Survey Analysis since the last report. LFE Environmental Analysis Laboratory has begun a significant production after completing their cross calibration and qualification program. Data from Eberline Instrument Company (EIC) and the University of Washington have not been received. Dr. Hoff of LLL, Dr. Nervik's Deputy, will be visiting EIC and the University of Washington next week to determine if they require additional assistance.

The rates of production in the various stages now show that all sample preparation, gamma counting and digitization will be completed by June 30. The remainder of the analysis will then be completed four-six weeks after that time. At this time, Dr. Nervik sees no problem in having the final report prepared by September 1, 1973.

Also attached are copies of working roughs of Island Alice (Bogallua) which indicate the format in which the radiological data will be in the final report.

Attachments:
1. Bar Graph
2. ALICE Data

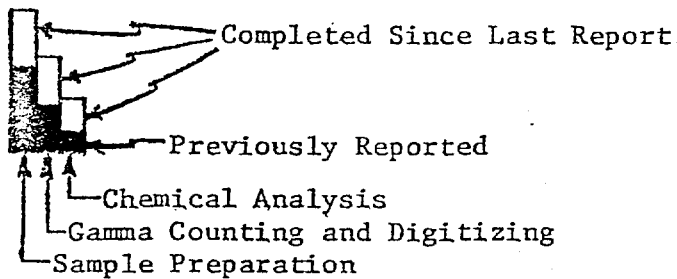
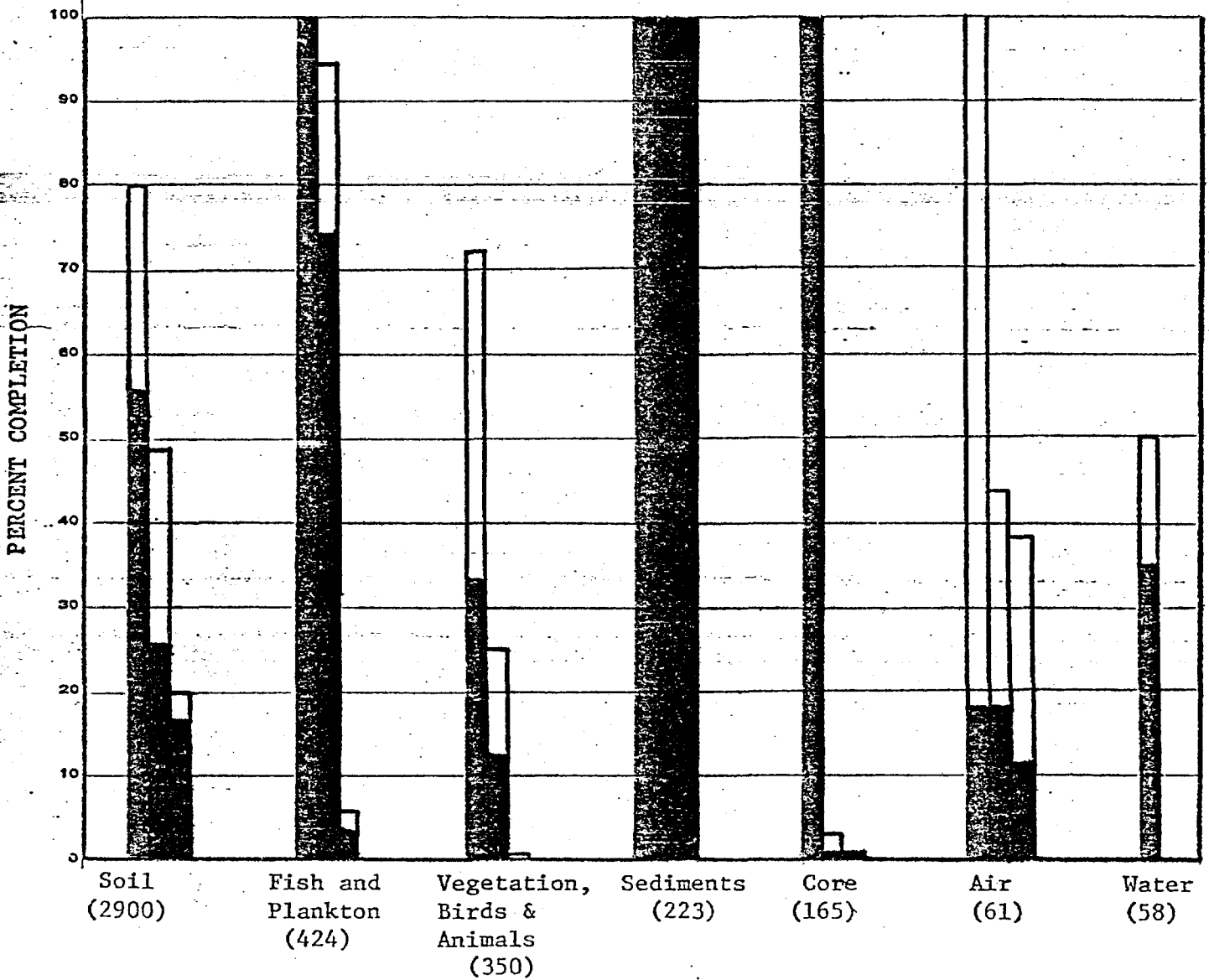
REPOSITORY DOE History Division
COLLECTION RG 326, Tommy McCraw, Job # 1320
BOX No. 5
FOLDER Radiological Survey

ENIWETOK RADIOLOGICAL SURVEY

SAMPLE ANALYSIS PROGRAM

PROGRESS REPORT

May 4, 1973



ALICE

DATA

BEST COPY AVAILABLE



AREA 1

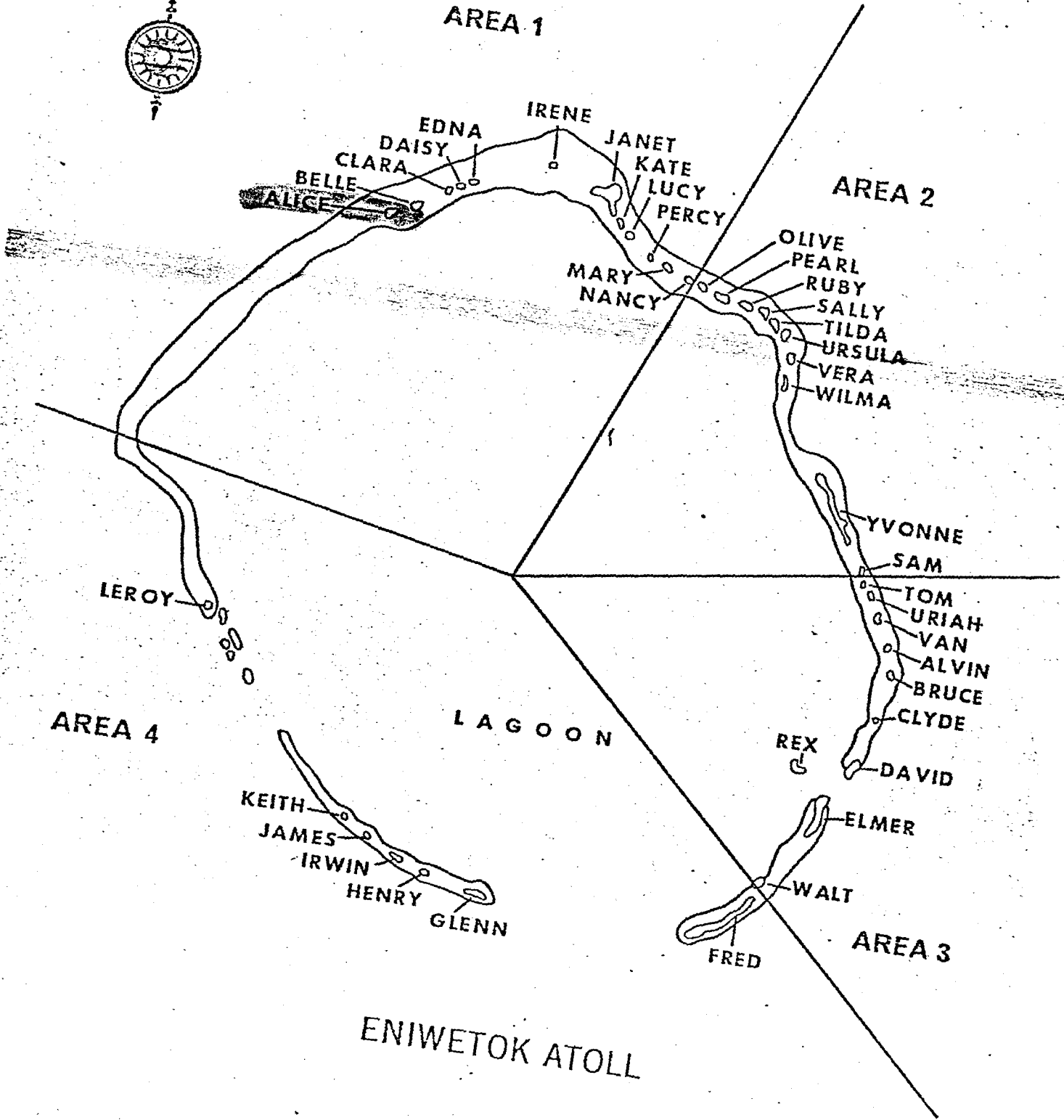
AREA 2

AREA 4

LAGOON

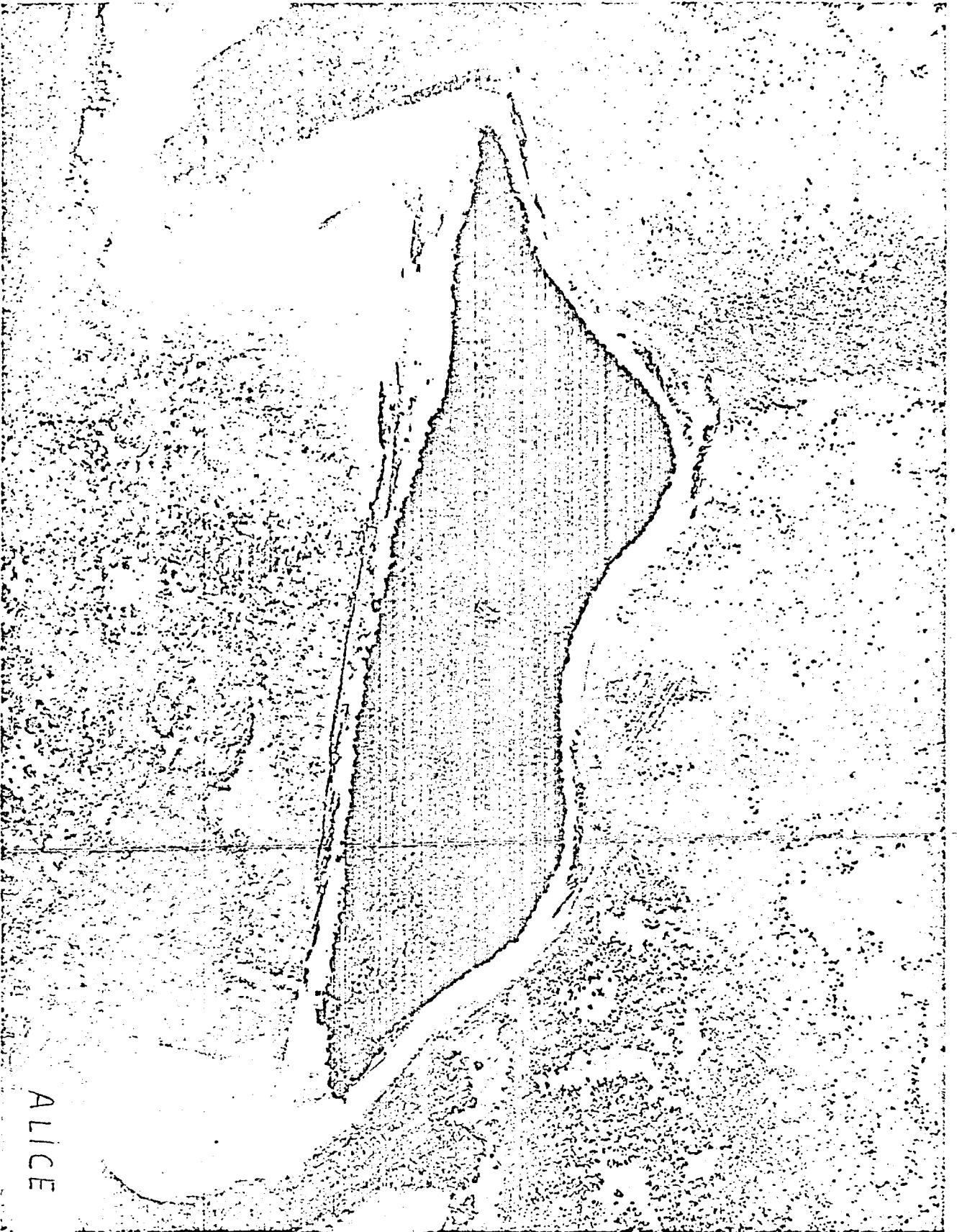
AREA 3

ENIWETOK ATOLL



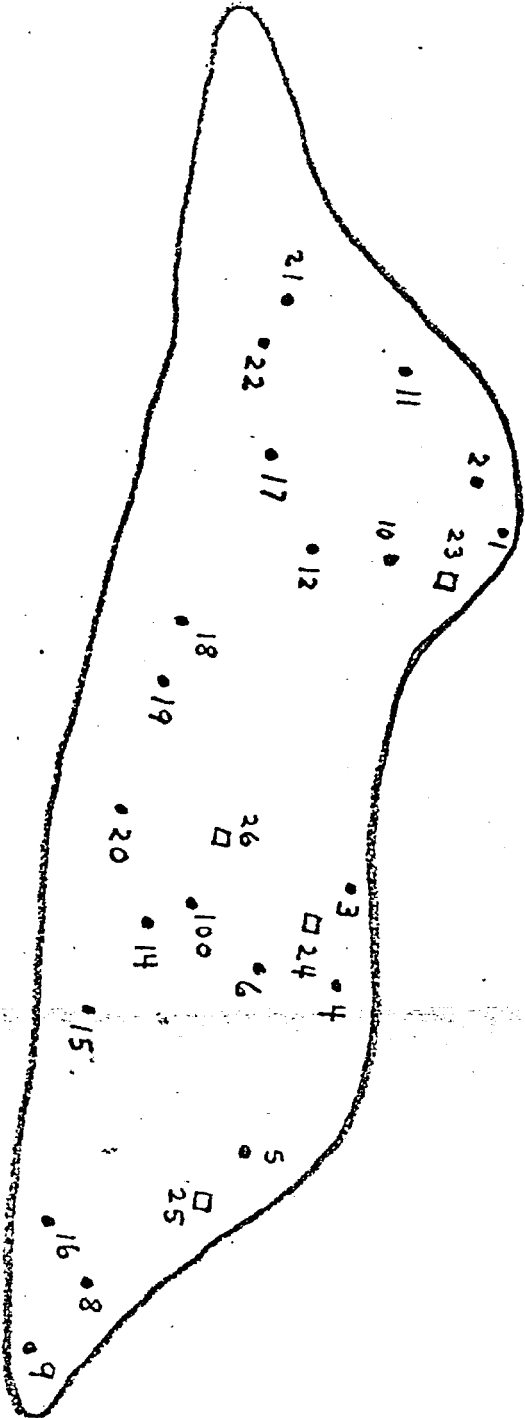
(AERIAL PHOTO)

ALICE

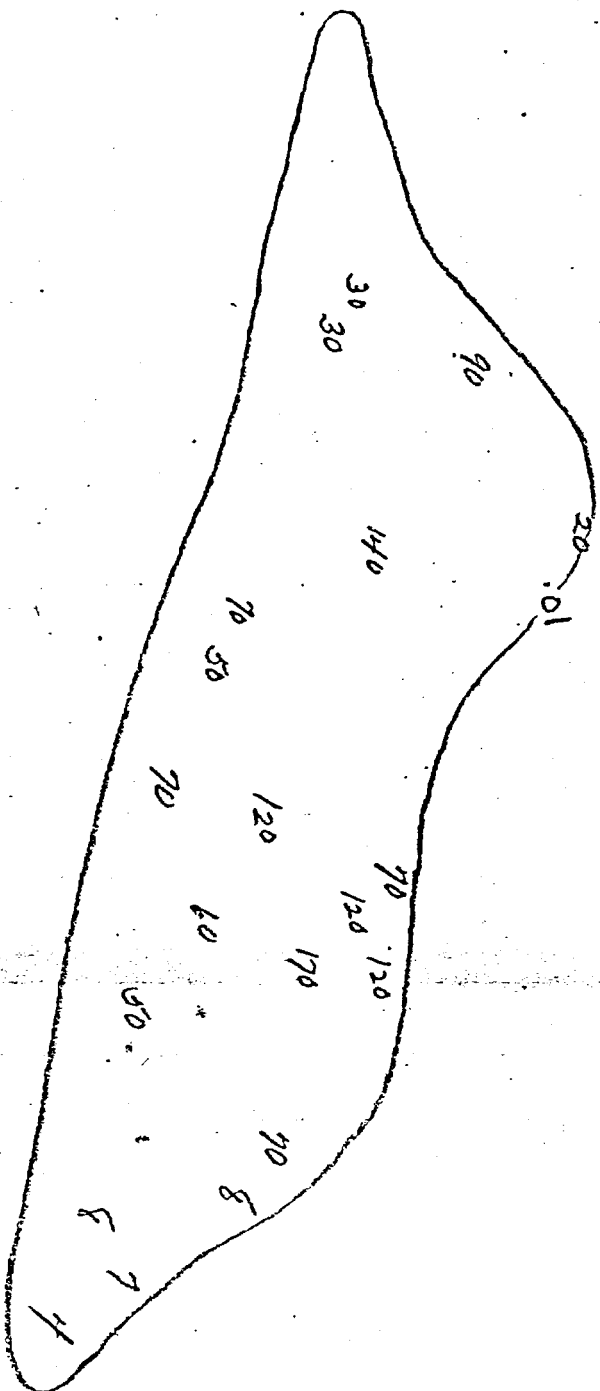


SOIL SAMPLE LOCATIONS

- detritus surface sample (0-15 cm)
- detritus profile sample



ALICE



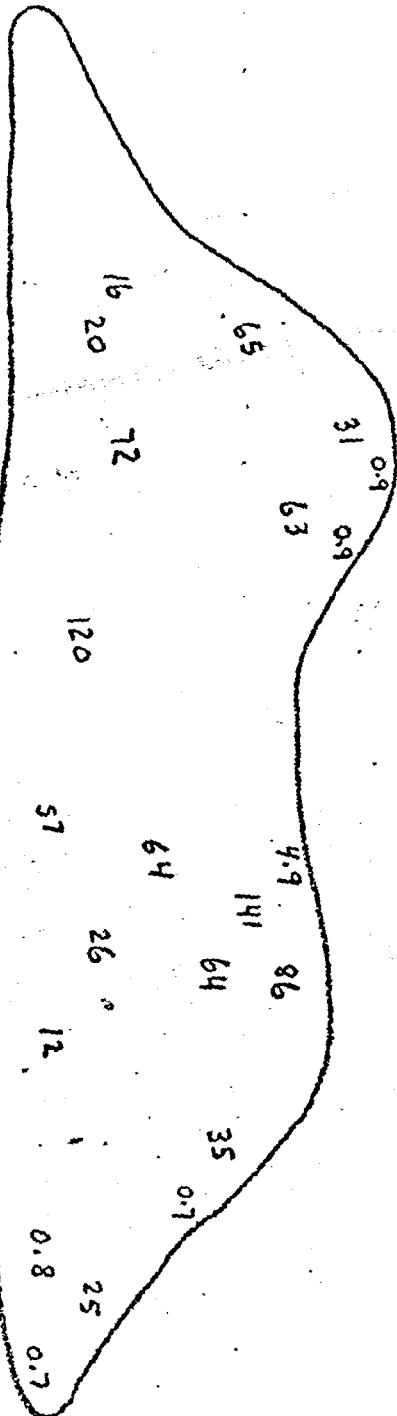
GAIRD
(mR/hr)

field survey; hand-held instrument (Beisid Home) at 1 meter above ground.

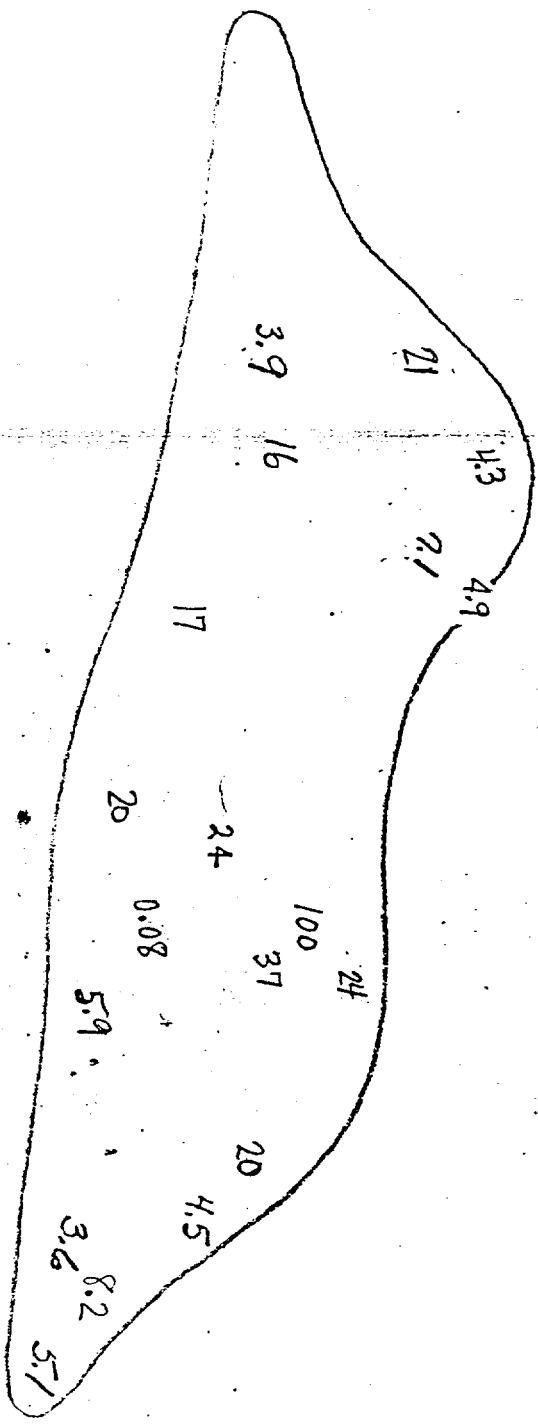
Note that aerial survey results have also been exposed as radiation dose at 1 meter above ground level.

ALICE

^{137}Cs (pCi/gRM)
0-15 cm. SAMPLE



ALICE



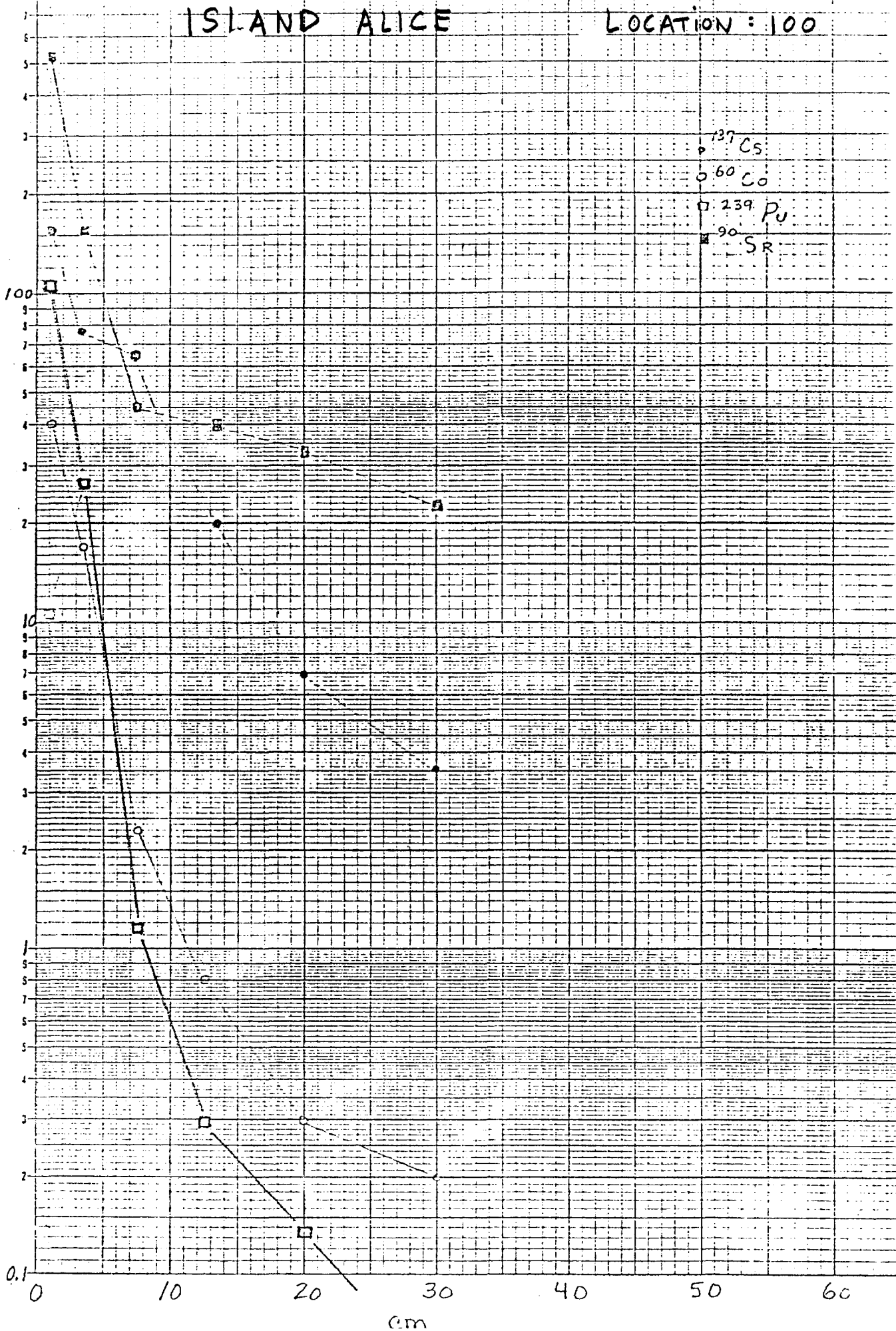
239 Pu (pci/gram)
 0-15 cm. SAMPLE

ALICE

ISLAND ALICE

LOCATION: 100

ACTIVITY (PCr/gm)



ISLAND ALICE

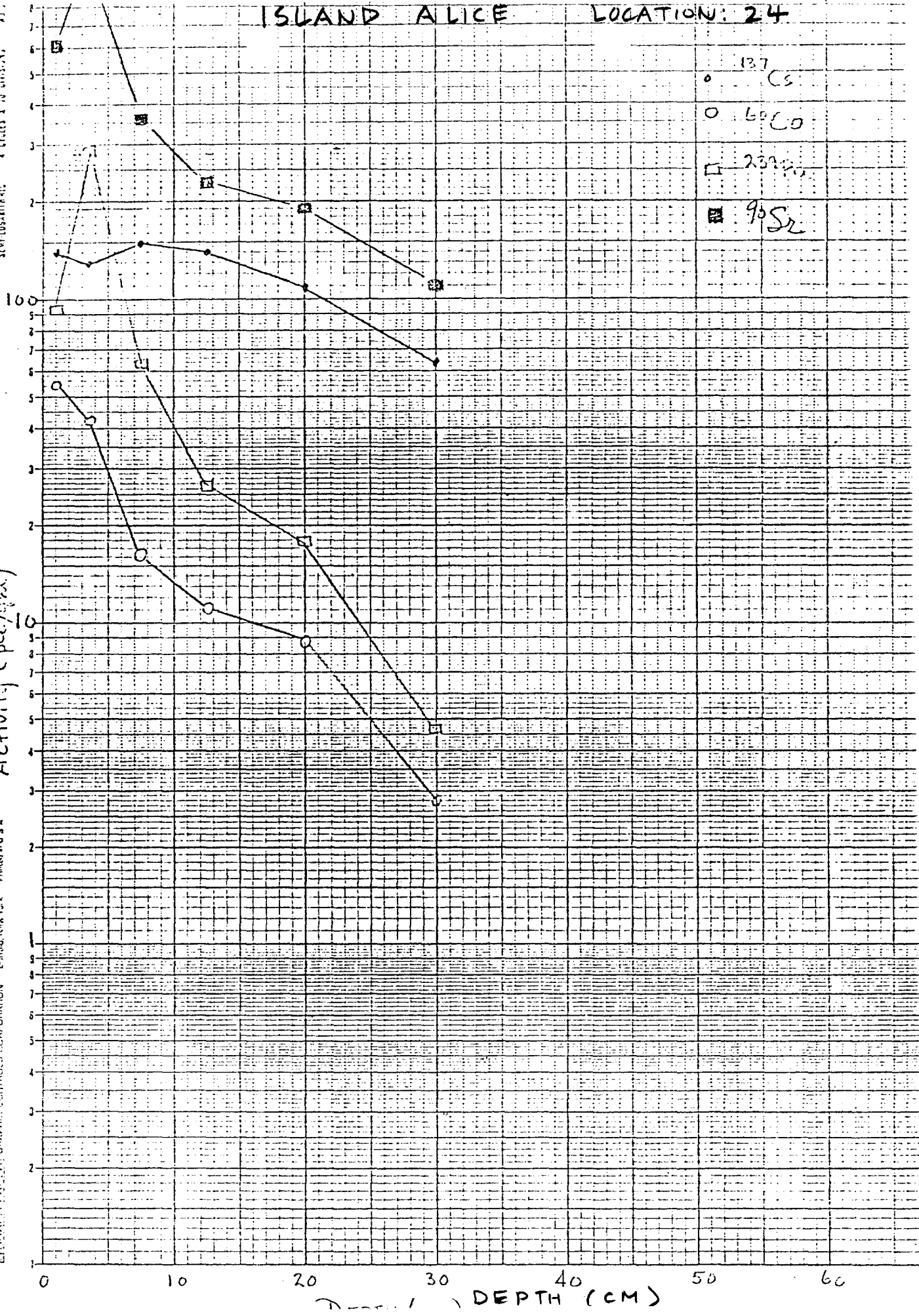
LOCATION: 24

SEMI-LOGARITHMIC (CIRCLES & SQUARES)

Activity (pc/gm)

GEORGE EASTMAN COMPANY'S CORPORATION BUFFALO, N.Y. PERCENT U.S.A.

- 137Cs
- 60Co
- 232Th
- 90Sr



ISLAND ALICE

LOCATION = 26

SEMILOGARITHMIC (CIRCLES TO 100)

- ^{137}Cs
- ^{60}Co
- ^{239}Pu
- ^{90}Sr

ACTIVITY (pci/gm)

0 10 20 30 40 50 60

DEPTH (cm)

GEACORPORATION GEACORPORATION Buffalo, New York Printed in U.S.A.

