FINAL SITE SURVEYS

FOR

CIBA-GEIGY CORPORATION

SUMMIT, NEW JERSEY

SEPTEMBER 1993

BUILDING J

TELEDYNE ISOTOPES

FINAL SITE SURVEYS

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CIBA-GEIGY CORPORATION

SUMMIT, NEW JERSEY

SEPTEMBER 1993

Joel Antkowiak
Robert S. Bell, Jr.

Survey Date: August 30 thru September 3, 1993
Report Date: September 28, 1993

Teledyne Isotopes
50 Van Buren Avenue
Westwood, New Jersey 07675

TELEDYNE ISOTOPES
50 VAN BUREN AVENUE
PO BOX 1235
WESTWOOD NJ 07675-1235
(201) 664-7070

September 28, 1993

Mr. George Stone
Radiation Safety Officer
CIBA GEIGY CORP.
556 Morris Avenue
Summit, NJ 07901

Dear Mr. Stone:

On August 30 through September 3, 1993, Robert S. Bell, Jr. & Joel Antkowiak of Teledyne Isotopes performed a final site survey in Buildings J, V & Z at your facility located at the Summit, New Jersey. This document discusses the results of the survey of Building J only.

The survey consisted of radiation monitoring for both direct and removable radioactive contamination. Direct radiation surveys were conducted with Eberline Instruments PAC-4G gas proportional survey meter (serial number 4399; calibrated 7/7/93) designed to reveal the presence of beta radiation. Removable radioactive contamination surveys consisted of smear samples taken by wiping approximately 200 cm^2 of surface area with an absorbant material at representative areas of the laboratories. Smears were analyzed by liquid scintillation counting with standard solutions traceable to the National Institute of Standards and Technology.

According to the U.S. Nuclear Regulatory Commission's publication "Guidelines for Decontamination of Facilities and Equipment Prior to Release for Unrestricted Use or Termination of Licenses for Byproduct, Source or Special Nuclear Material", acceptable surface contamination levels for beta-gamma emitters are as follows:

Removable contamination	1000 dpm/100cm^2
Direct contamination	5000 dpm/100cm^2 average*
	15000 dpm/100cm^2 maximum

*Averaged over not more than 1 square meter.

Following decontamination and survey, no areas were found to exceed these limits. A full report is enclosed.

If you have any questions or require additional information, please do not hesitate to contact me.

Sincerely,

TELEDYNE ISOTOPES

Joel Antkowiak

RSB:jk
Enc.

for Robert S. Bell, Jr. Health Physics Tech.
Radiological Services Department

TELEDYNE ISOTOPES

Summary of Results for Building J

The following areas has detectable removable activity below the applicable limits:

Room 02 View C
Room 101 Main View
Room 111 Main View
Room 115 Main View, View A, and View B
Room 116 View A and View D
Room 203 Main View, Island B, Hood #1
Room 209 Main View, View A, Island B, Hood #1
Room 211 View C and Hood #1
Stacks 24 and 27

All direct radiation levels which were found were cleaned or removed to background levels.

PROCEDURES

The goal of the decontamination and final site survey was to show that the designated building was suitable for release for unrestricted use.

An initial characterization survey sufficient to decommission the areas preceded any decontamination. Following decontamination, the affected areas were re-surveyed and if necessary decontaminated again. The room diagrams, showing both overhead and side views follow the results obtained by liquid scintillation counting (LSC). Rooms requiring any decontamination have two sets of LSC data representing the initial and post-decon wipe results. On drawings where drawers and cabinets are indicated, the odd-numbered smear is outside the item and the even-numbered smear is on the inside. A sample was obtained from all sink traps and analyzed by LSC. A Packard "Tri-Carb" Model 1900 liquid scintillation counter was used for the analysis of smears and sink trap samples.

A fixed contamination survey was performed on all horizontal surfaces, the floor, and inside all hoods. The meter used was a logarithmic ratemeter with a gas flow proportional probe. The probe has a thin mylar window and an active surface area of 50 cm^2. The floors were surveyed with a floor monitor, which is a 500 cm^2 active area probe mounted on a rolling stand which carries the probe at 1/4 inch above the floor. Cleaning of any areas requiring decontamination was performed using a commercial detergent solution containing EDTA. In the event that this solution was not sufficient to clean the affected areas below the applicable limits, the affected area was removed and treated as radioactive waste.

TELEDYNE ISOTOPES

SMEAR RESULTS BY LIQUID SCINTILLATION COUNTING

LOCATION: Building J Sinks

Room #/Sink #	H-3 Activity µCi/liter	C-14 Activity µCi/liter
002 - A	$<6.0 \times 10^{-3}$	$<6.0 \times 10^{-3}$
002 - B	$<6.0 \times 10^{-3}$	$<6.0 \times 10^{-3}$
101 - A	$<6.0 \times 10^{-3}$	$<6.0 \times 10^{-3}$
101 - B	$<6.0 \times 10^{-3}$	$<6.0 \times 10^{-3}$
103 - A	$<6.0 \times 10^{-3}$	$<6.0 \times 10^{-3}$
111 - A	$<6.0 \times 10^{-3}$	$<6.0 \times 10^{-3}$
113 - A	$<6.0 \times 10^{-3}$	$<6.0 \times 10^{-3}$
113 - B	$<6.0 \times 10^{-3}$	$<6.0 \times 10^{-3}$
116 - A	$<6.0 \times 10^{-3}$	$<6.0 \times 10^{-3}$
115 - A	$<6.0 \times 10^{-3}$	$<6.0 \times 10^{-3}$
115 - B	$<6.0 \times 10^{-3}$	$<6.0 \times 10^{-3}$
116 - B	$<6.0 \times 10^{-3}$	$<6.0 \times 10^{-3}$
201 - A	$<6.0 \times 10^{-3}$	$<6.0 \times 10^{-3}$
201 - B	$<6.0 \times 10^{-3}$	$<6.0 \times 10^{-3}$
202 - A	$<6.0 \times 10^{-3}$	$<6.0 \times 10^{-3}$
202 - B	$<6.0 \times 10^{-3}$	$<6.0 \times 10^{-3}$
203 - A	$<6.0 \times 10^{-3}$	$<6.0 \times 10^{-3}$
209 - A	$<6.0 \times 10^{-3}$	$<6.0 \times 10^{-3}$
209 - B	$<6.0 \times 10^{-3}$	$<6.0 \times 10^{-3}$
211 - A	$<6.0 \times 10^{-3}$	$<6.0 \times 10^{-3}$
212 - A	$<6.0 \times 10^{-3}$	$<6.0 \times 10^{-3}$
213 - A	$<6.0 \times 10^{-3}$	$<6.0 \times 10^{-3}$
214 - A	$<6.0 \times 10^{-3}$	$<6.0 \times 10^{-3}$
215 - A	$<6.0 \times 10^{-3}$	$<6.0 \times 10^{-3}$
215 - B	$<6.0 \times 10^{-3}$	$<6.0 \times 10^{-3}$
216 - A	$<6.0 \times 10^{-3}$	$<6.0 \times 10^{-3}$
216 - B	$<6.0 \times 10^{-3}$	$<6.0 \times 10^{-3}$

TELEDYNE ISOTOPES

SMEAR RESULTS BY LIQUID SCINTILLATION COUNTING

LOCATION: Building J Stacks

Smear No.	C-14 Activity dpm/sample	C-14 Activity dpm/100 cm²	H-3 Activity dpm/sample	C-14 Activity dpm/100 cm²
1	<50	<25	<50	<25
2	<50	<25	<50	<25
3	<50	<25	<50	<25
4	<50	<25	<50	<25
5	<50	<25	<50	<25
6	<50	<25	<50	<25
7	<50	<25	<50	<25
8	<50	<25	<50	<25
9	<50	<25	<50	<25
10	<50	<25	<50	<25
11	<50	<25	<50	<25
12	<50	<25	<50	<25
13	<50	<25	<50	<25
14	<50	<25	<50	<25
15	<50	<25	<50	<25
16	<50	<25	<50	<25
17	<50	<25	<50	<25
18	<50	<25	<50	<25
19	<50	<25	<50	<25
20	<50	<25	<50	<25
21	<50	<25	<50	<25
22	<50	<25	<50	<25
23	<50	<25	<50	<25
24	427 ±43	214	<50	<25
25	<50	<25	<50	<25
26	<50	<25	<50	<25
27	1051 ±105	526	<50	<25
28	<50	<25	<50	<25
29	<50	<25	<50	<25
30	<50	<25	<50	<25
31	<50	<25	<50	<25
32	<50	<25	<50	<25
33	<50	<25	<50	<25
34	<50	<25	<50	<25
35	<50	<25	<50	<25
36	<50	<25	<50	<25
37	<50	<25	<50	<25

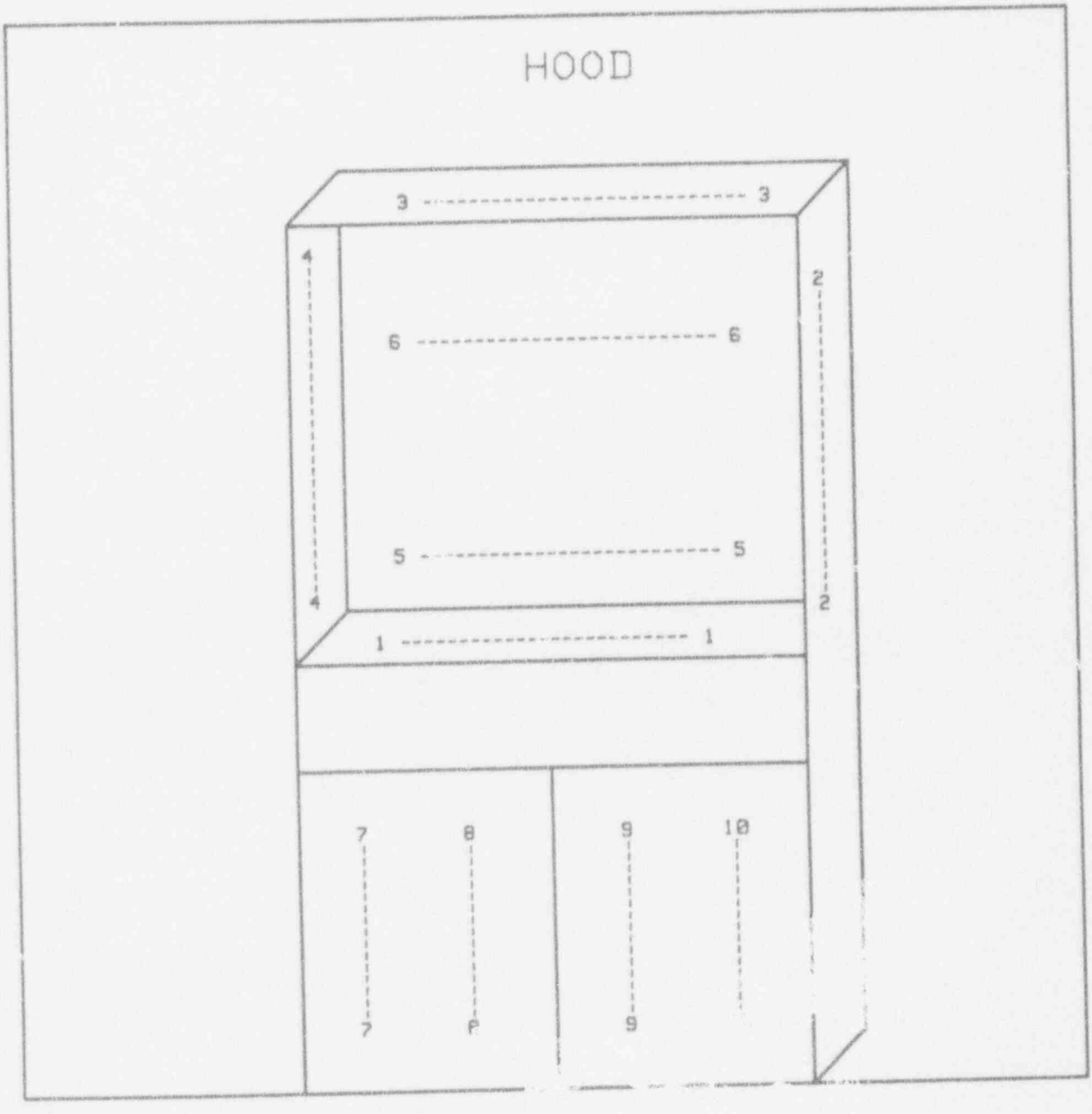
TELEDYNE ISOTOPES

DIAGRAM OF SURVEYED AREA

LOCATION: _____

PRINCIPLE OCCUPANTS: _____

ISOTOPE USAGE: _____



TELEDYNE ISOTOPES

SMEAR RESULTS BY LIQUID SCINTILLATION COUNTING

LOCATION: J-02 Main View

SMEAR No.	Low Energy Beta Activity dpm/sample	Low Energy Beta Activity dpm/100cm^2
1	<50	<25
2	<50	<25
3	<50	<25
4	<50	<25
5	<50	<25
6	<50	<25
7	<50	<25
8	<50	<25
9	<50	<25
10	<50	<25
11	<50	<25
12	<50	<25
13	<50	<25
14	<50	<25
15	<50	<25
16	<50	<25
17	<50	<25
18	<50	<25

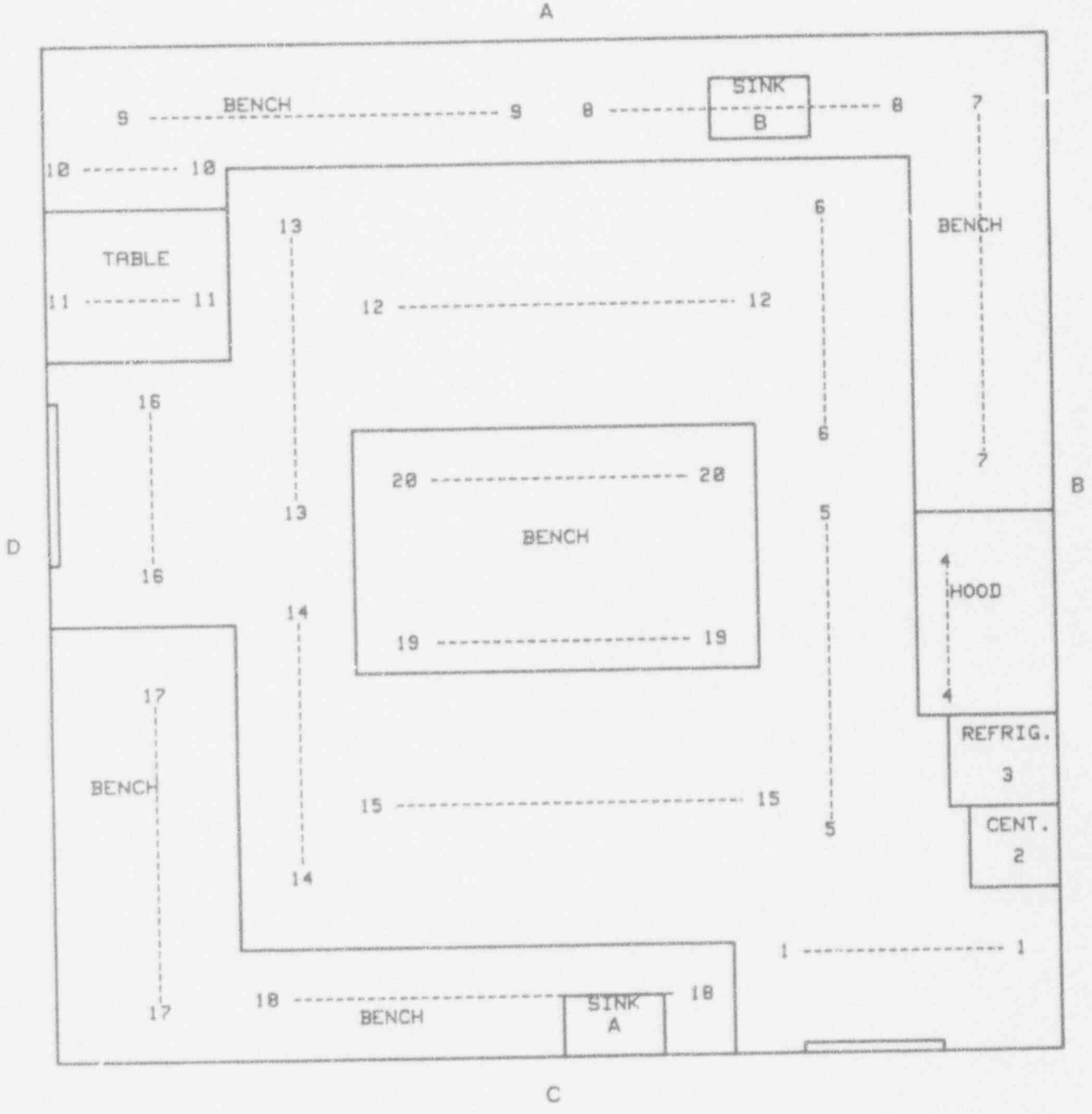
TELEDYNE ISOTOPES

DIAGRAM OF SURVEYED AREA

LOCATION: J-02 MAIN VIEW

PRINCIPLE OCCUPANTS: _____

ISOTOPE USAGE: _____



TELEDYNE ISOTOPES

SMEAR RESULTS BY LIQUID SCINTILLATION COUNTING

LOCATION: J-02 View A

SMEAR No.	Low Energy Beta Activity dpm/sample	Low Energy Beta Activity dpm/100cm^2
1	<50	<25
2	<50	<25
3	<50	<25
4	<50	<25
5	<50	<25
6	<50	<25
7	<50	<25
8	<50	<25
9	<50	<25
10	<50	<25
11	<50	<25
12	<50	<25
13	<50	<25
14	<50	<25
15	<50	<25
16	<50	<25

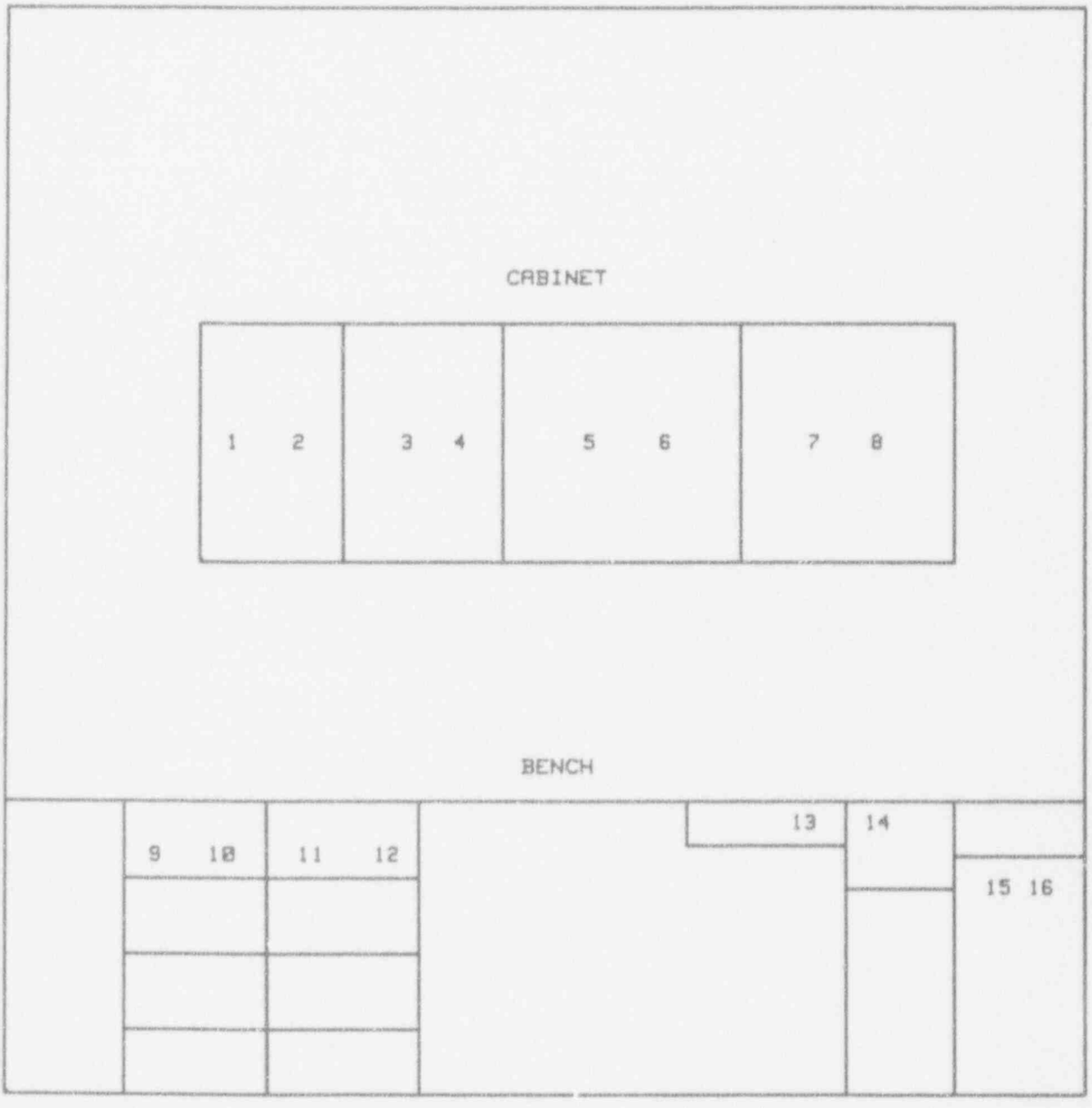
TELEDYNE ISOTOPES

DIAGRAM OF SURVEYED AREA

LOCATION: J-02 VIEW-R

PRINCIPLE OCCUPANTS:

ISOTOPE USAGE:



TELEDYNE ISOTOPES

SMEAR RESULTS BY LIQUID SCINTILLATION COUNTING

LOCATION: J-02 View B

SMEAR No.	Low Energy Beta Activity dpm/sample	Low Energy Beta Activity dpm/100cm^2
1	<50	<25
2	<50	<25
3	<50	<25
4	<50	<25
5	<50	<25
6	<50	<25
7	<50	<25

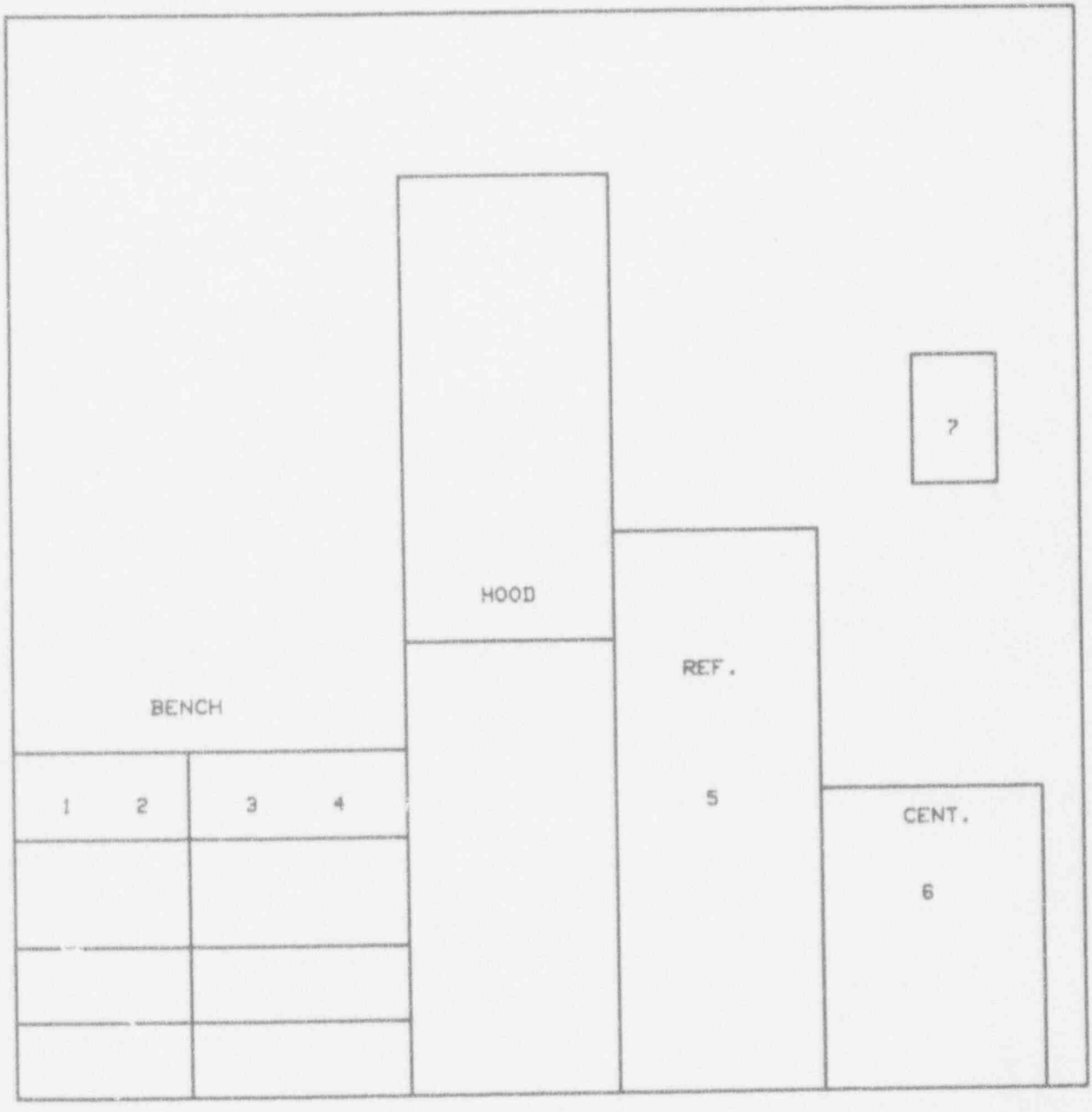
TELEDYNE ISOTOPES

DIAGRAM OF SURVEYED AREA

LOCATION: J 02 VIEW-B

PRINCIPLE OCCUPANTS: _____

ISOTOPE USAGE: _____



TELEDYNE ISOTOPES

SMEAR RESULTS BY LIQUID SCINTILLATION COUNTING

LOCATION: J-02 View C

SMEAR No.	Low Energy Beta Activity dpm/sample	Low Energy Beta Activity dpm/100cm^2
1	<50	<25
2	<50	<25
3	<50	<25
4	<50	<25
5	<50	<25
6	<50	<25
7	<50	<25
8	77 ±8	38
9	<50	<25
10	<50	<25
11	<50	<25
12	<50	<25
13	<50	<25
14	<50	<25

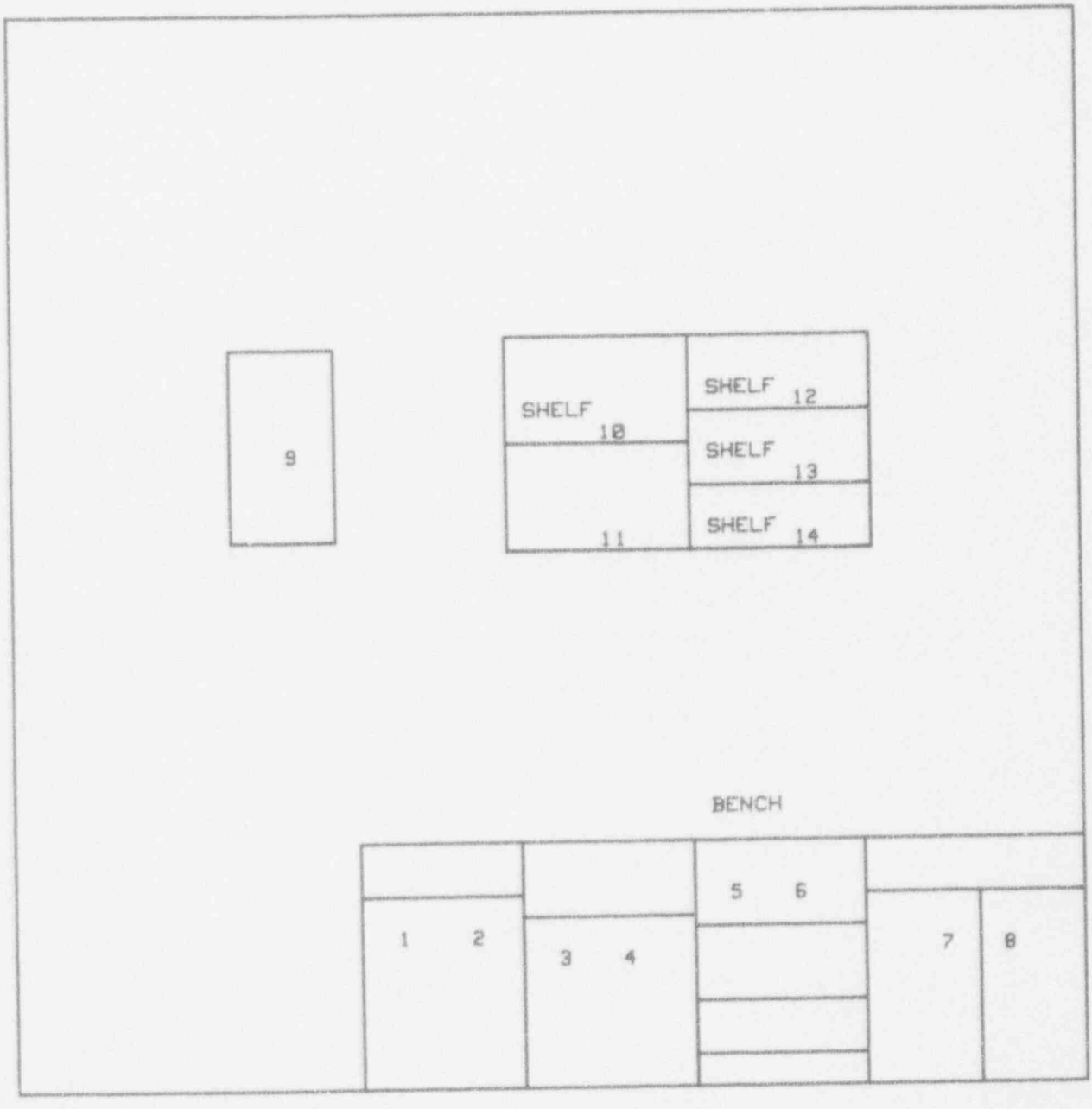
TELEDYNE ISOTOPES

DIAGRAM OF SURVEYED AREA

LOCATION: J-02 VIEW-C

PRINCIPLE OCCUPANTS: _____

ISOTOPE USAGE: _____



TELEDYNE ISOTOPES

SMEAR RESULTS BY LIQUID SCINTILLATION COUNTING

LOCATION: J-02 View D

SMEAR No.	Low Energy Beta Activity dpm/sample	Low Energy Beta Activity dpm/100cm^2
1	<50	<25
2	<50	<25
3	<50	<25
4	<50	<25
5	<50	<25
6	<50	<25
7	<50	<25
8	<50	<25

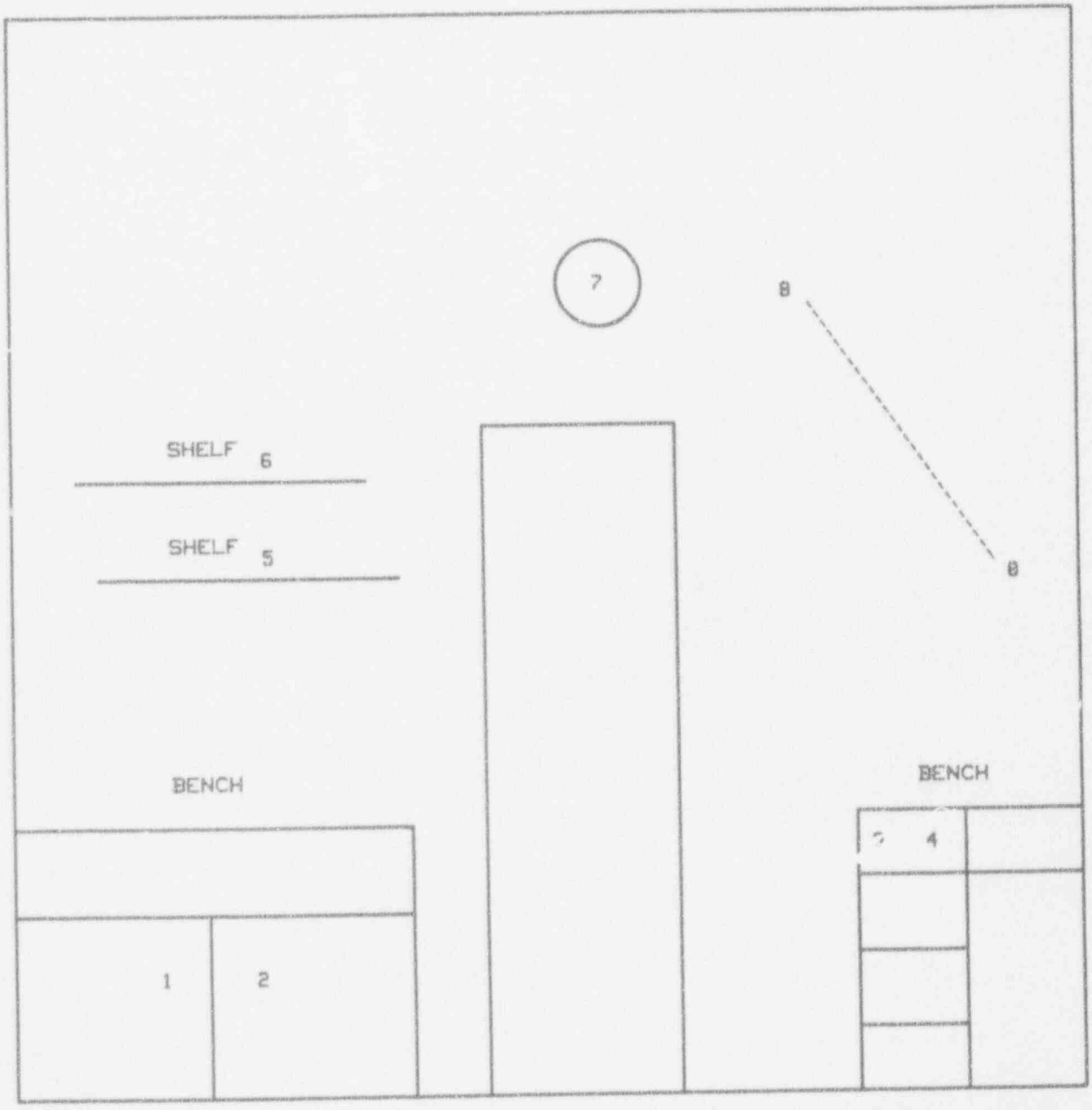
TELEDYNE ISOTOPES

DIAGRAM OF SURVEYED AREA

LOCATION: J-02 VIEW-D

PRINCIPLE OCCUPANTS: _____

ISOTOPE USAGE: _____



TELEDYNE ISOTOPES

SMEAR RESULTS BY LIQUID SCINTILLATION COUNTING

LOCATION: J-02 View E

SMEAR No.	Low Energy Beta Activity dpm/sample	Low Energy Beta Activity dpm/100cm^2
1	<50	<25
2	<50	<25
3	<50	<25
4	<50	<25

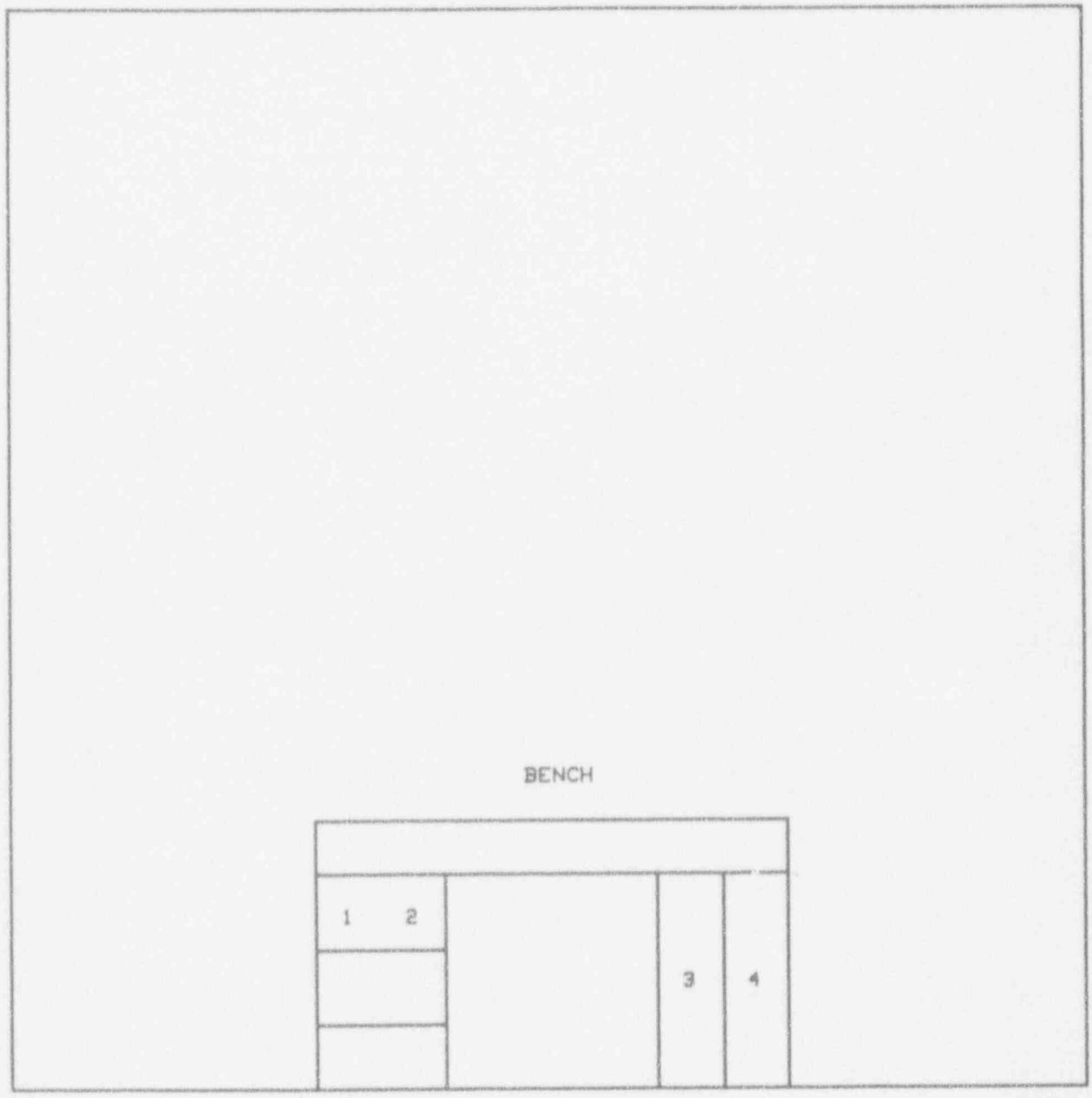
TELEDYNE ISOTOPES

DIAGRAM OF SURVEYED AREA

LOCATION: J-02 VIEW-E

PRINCIPLE OCCUPANTS:

ISOTOPE USAGE:



TELEDYNE ISOTOPES

SMEAR RESULTS BY LIQUID SCINTILLATION COUNTING

LOCATION: J-02 View F

SMEAR No.	Low Energy Beta Activity dpm/sample	Low Energy Beta Activity dpm/100cm^2
1	<50	<25
2	<50	<25
3	<50	<25
4	<50	<25

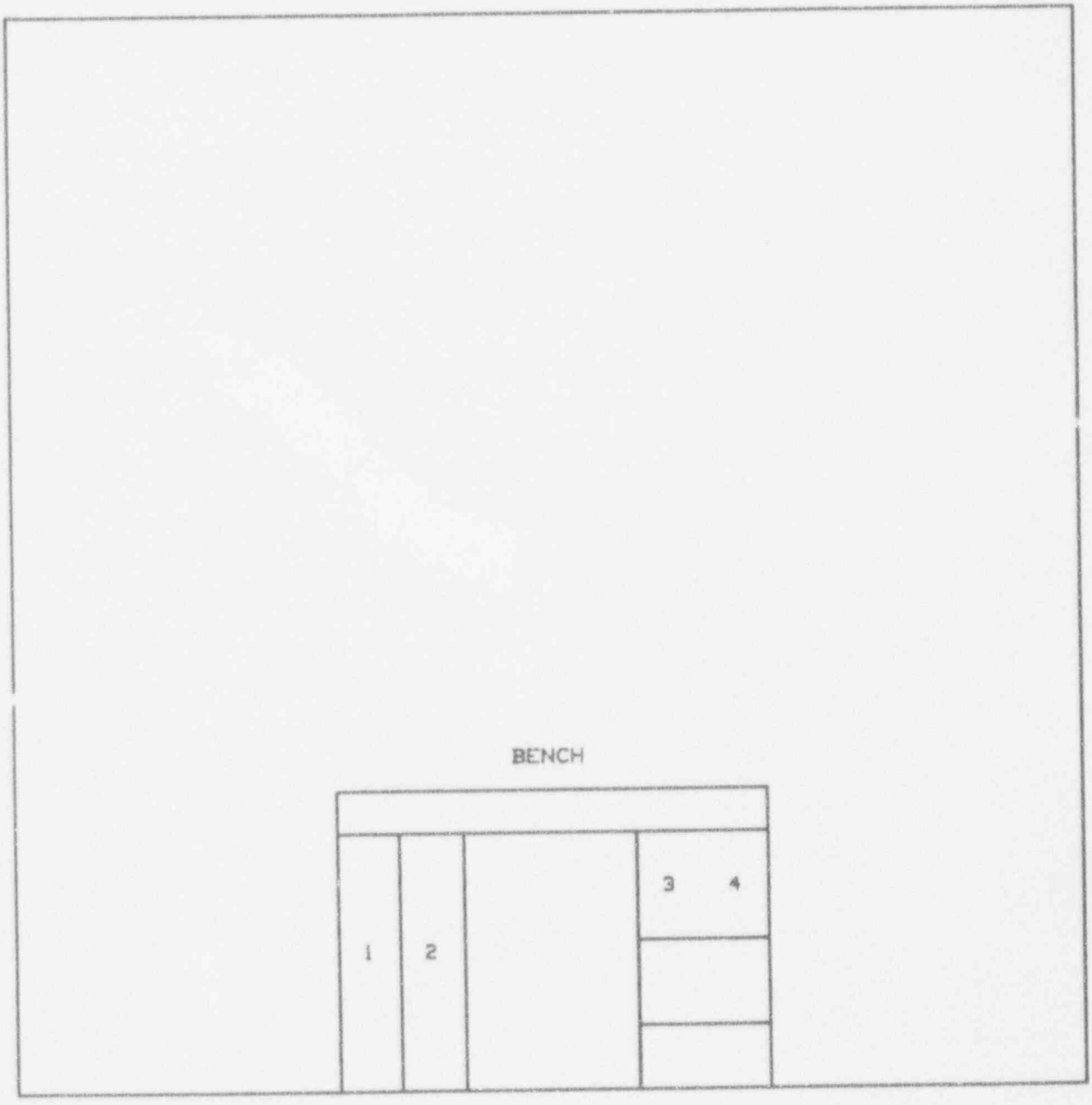
TELEDYNE ISOTOPES

DIAGRAM OF SURVEYED AREA

LOCATION: J-02 VIEW-F

PRINCIPLE OCCUPANTS: _____

ISOTOPE USAGE: _____



TELEDYNE ISOTOPES

SMEAR RESULTS BY LIQUID SCINTILLATION COUNTING

LOCATION: J-02 Hood

SMEAR No.	Low Energy Beta Activity dpm/sample	Low Energy Beta Activity dpm/100cm^2
1	<50	<25
2	<50	<25
3	<50	<25
4	<50	<25
5	<50	<25
6	<50	<25
7	<50	<25
8	<50	<25
9	<50	<25
10	<50	<25

TELEDYNE ISOTOPES

SMEAR RESULTS BY LIQUID SCINTILLATION COUNTING

LOCATION: J-101 Main View

SMEAR No.	Low Energy Beta Activity dpm/sample	Low Energy Beta Activity dpm/100cm^2
1	<50	<25
2	<50	<25
3	<50	<25
4	<50	<25
5	<50	<25
6	<50	<25
7	<50	<25
8	<50	<25
9	<50	<25
10	<50	<25
11	<50	<25
12	<50	<25
13	<50	<25
14	<50	<25
15	<50	<25
16	<50	<25
17 - Inside Duct	447 ±45	224

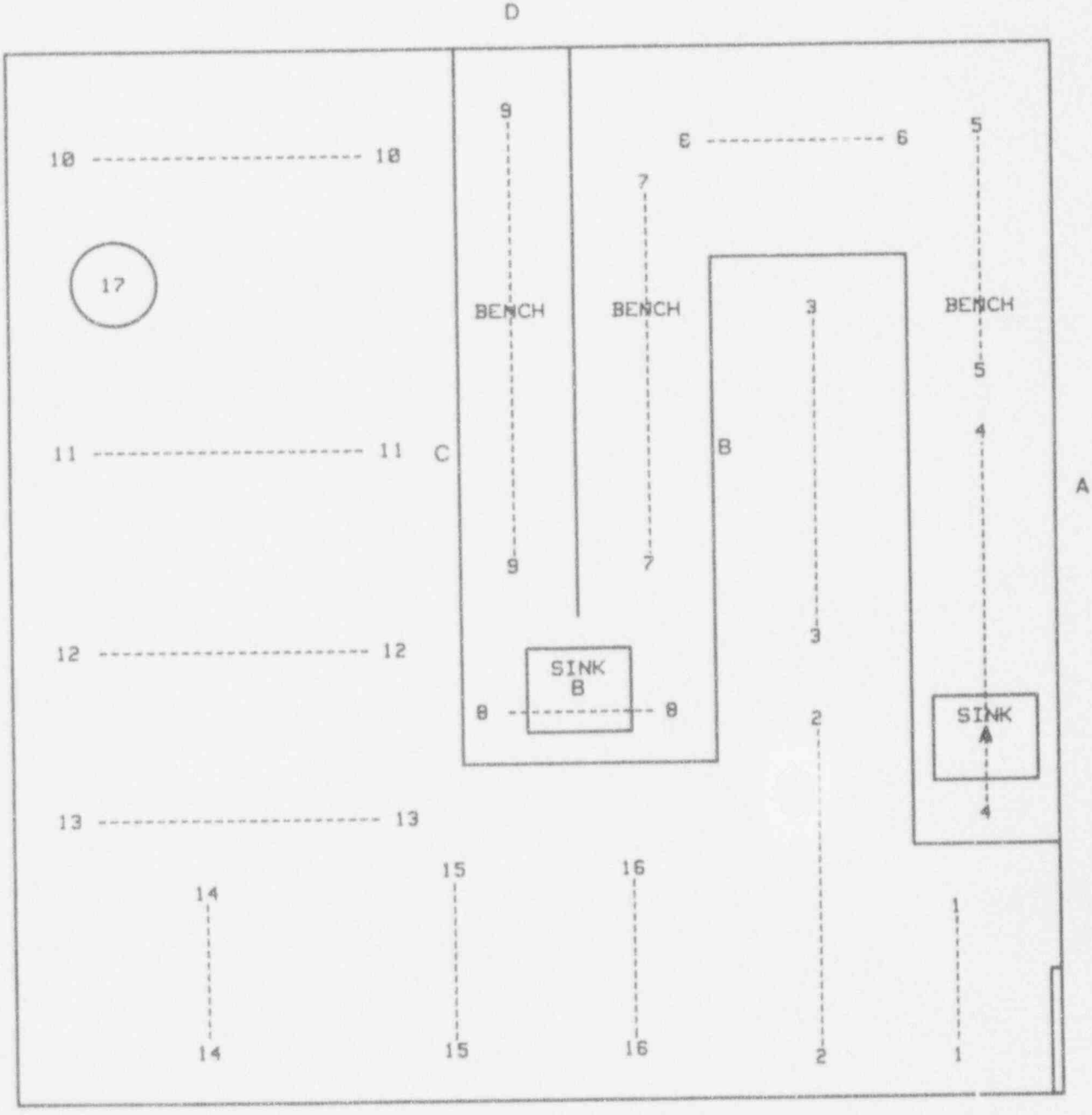
TELEDYNE ISOTOPES

DIAGRAM OF SURVEYED AREA

LOCATION: J-101 MAIN VIEW

PRINCIPLE OCCUPANTS: _____

ISOTOPE USAGE: _____



TELEDYNE ISOTOPES

SMEAR RESULTS BY LIQUID SCINTILLATION COUNTING

LOCATION: J-101 View A

SMEAR No.	Low Energy Beta Activity dpm/sample	Low Energy Beta Activity dpm/100cm^2
1	<50	<25
2	<50	<25
3	<50	<25
4	<50	<25
5	<50	<25
6	<50	<25
7	<50	<25
8	<50	<25
9	<50	<25
10	<50	<25
11	<50	<25
12	<50	<25
13	<50	<25
14	<50	<25
15	<50	<25
16	<50	<25
17	<50	<25
18	<50	<25

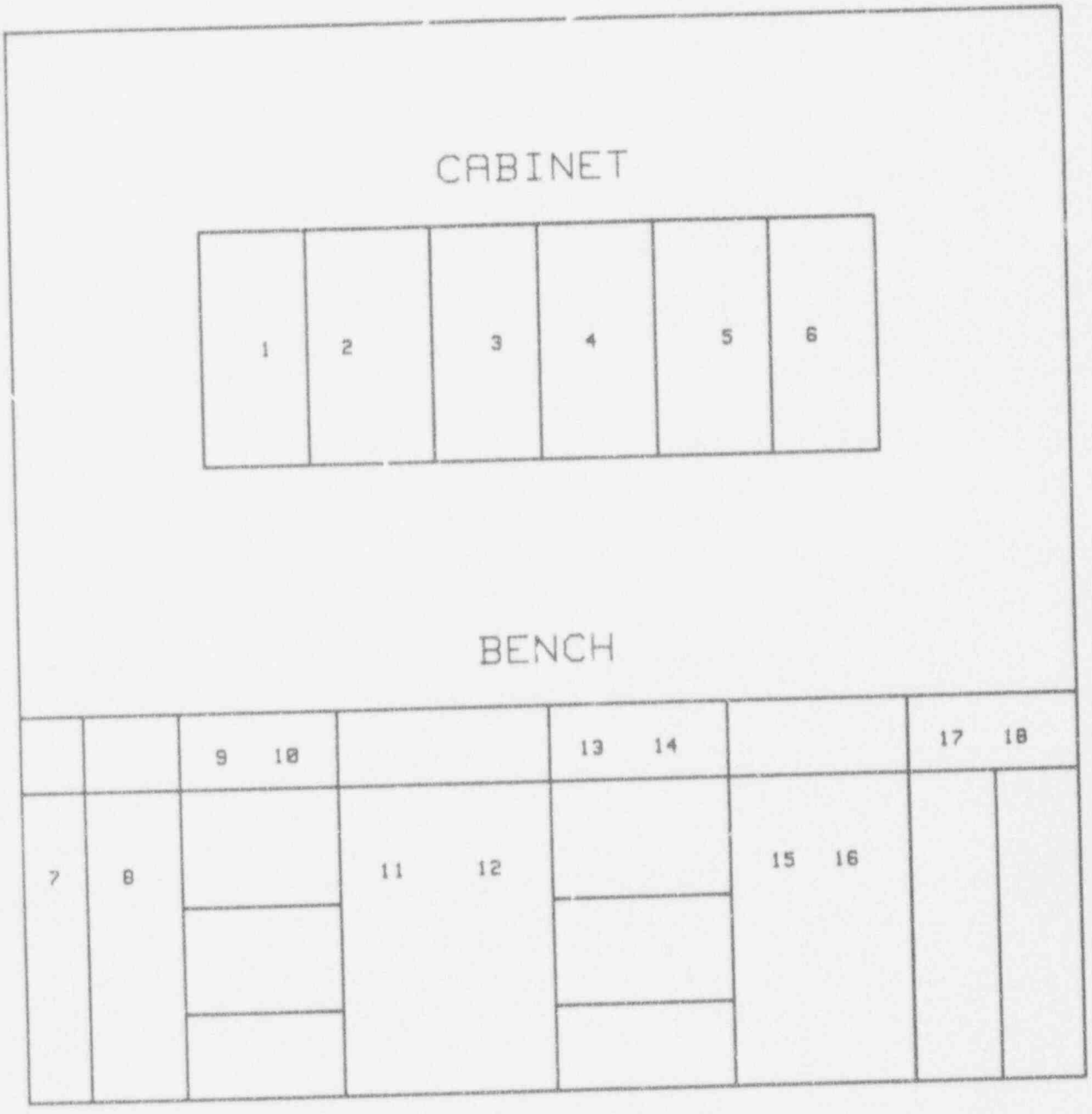
TELEDYNE ISOTOPES

DIAGRAM OF SURVEYED AREA

LOCATION: J-101 VIEW-A

PRINCIPLE OCCUPANTS: _____

ISOTOPE USAGE: _____



TELEDYNE ISOTOPES

SMEAR RESULTS BY LIQUID SCINTILLATION COUNTING

LOCATION: J-101 View B

SMEAR No.	Low Energy Beta Activity dpm/sample	Low Energy Beta Activity dpm/100cm^2
1	<50	<25
2	<50	<25
3	<50	<25
4	<50	<25
5	<50	<25
6	<50	<25
7	<50	<25
8	<50	<25
9	<50	<25
10	<50	<25
11	<50	<25
12	<50	<25

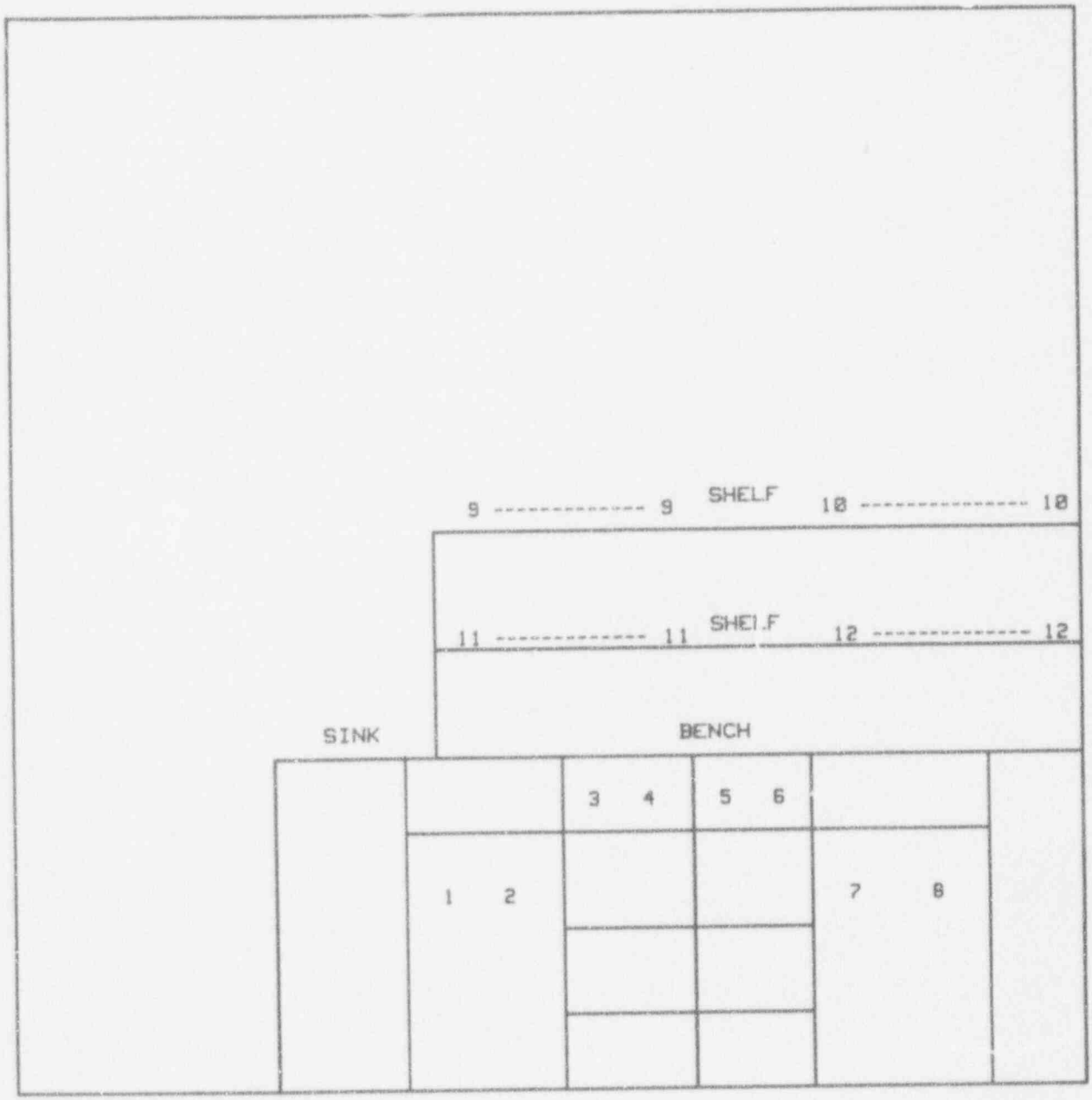
TELEDYNE ISOTOPES

DIAGRAM OF SURVEYED AREA

LOCATION: J-1F/1 VIEW-B

PRINCIPLE OCCUPANTS: _____

ISOTOPE USAGE: _____



TELEDYNE ISOTOPES

SMEAR RESULTS BY LIQUID SCINTILLATION COUNTING

LOCATION: J-101 View C

SMEAR No.	Low Energy Beta Activity dpm/sample	Low Energy Beta Activity dpm/100cm^2
1	<50	<25
2	<50	<25
3	<50	<25
4	<50	<25
5	<50	<25
6	<50	<25
7	<50	<25
8	<50	<25
9	<50	<25
10	<50	<25

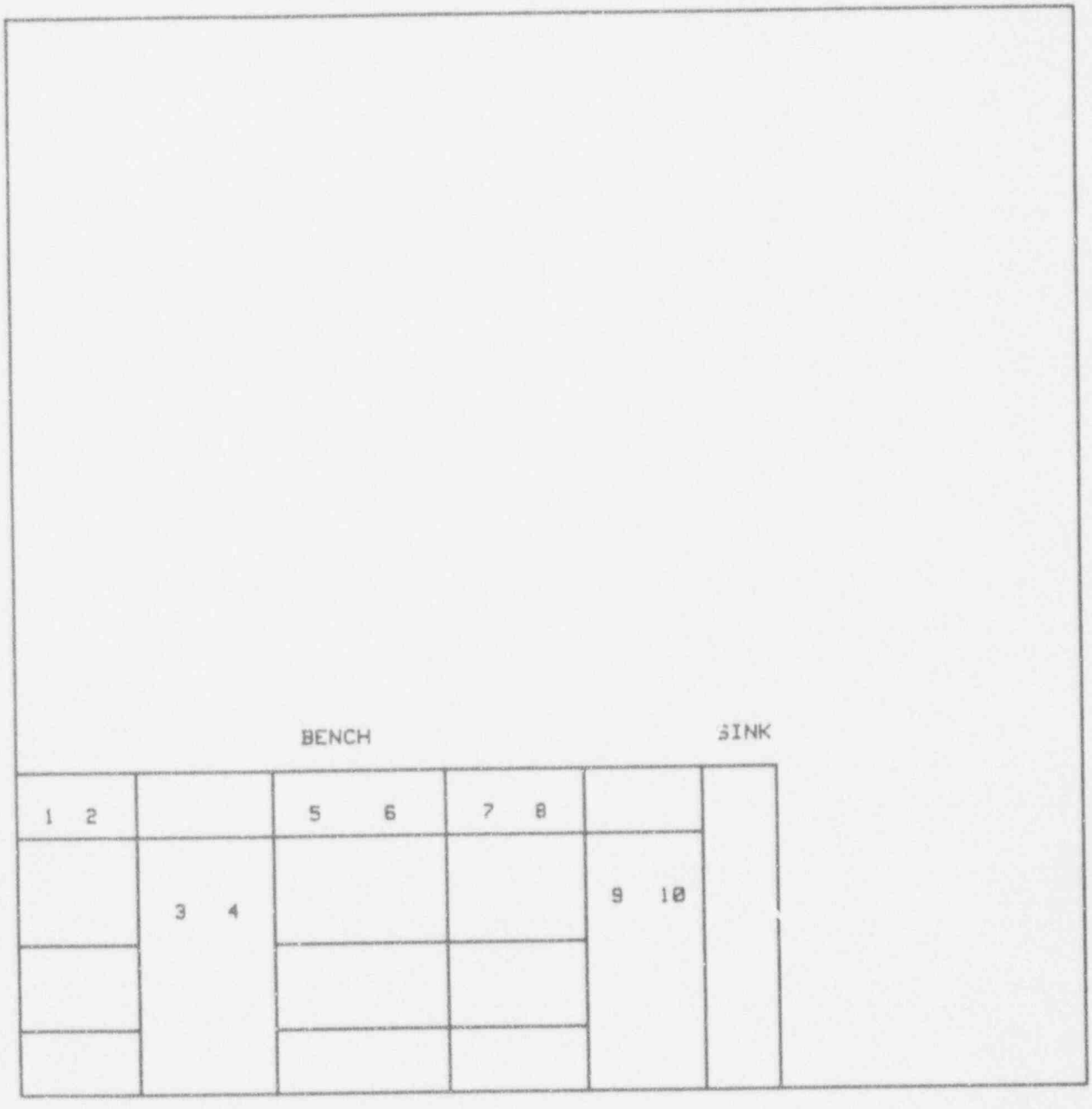
TELEDYNE ISOTOPES

DIAGRAM OF SURVEYED AREA

LOCATION: J-101 VIEW-C

PRINCIPLE OCCUPANTS: _____

ISOTOPE USAGE: _____



TELEDYNE ISOTOPES

SMEAR RESULTS BY LIQUID SCINTILLATION COUNTING

LOCATION: J-101 View D

SMEAR No.	Low Energy Beta Activity dpm/sample	Low Energy Beta Activity dpm/100cm^2
1	<50	<25
2	<50	<25
3	<50	<25
4	<50	<25
5	<50	<25
6	<50	<25
7	<50	<25
8	<50	<25
9	<50	<25
10	<50	<25

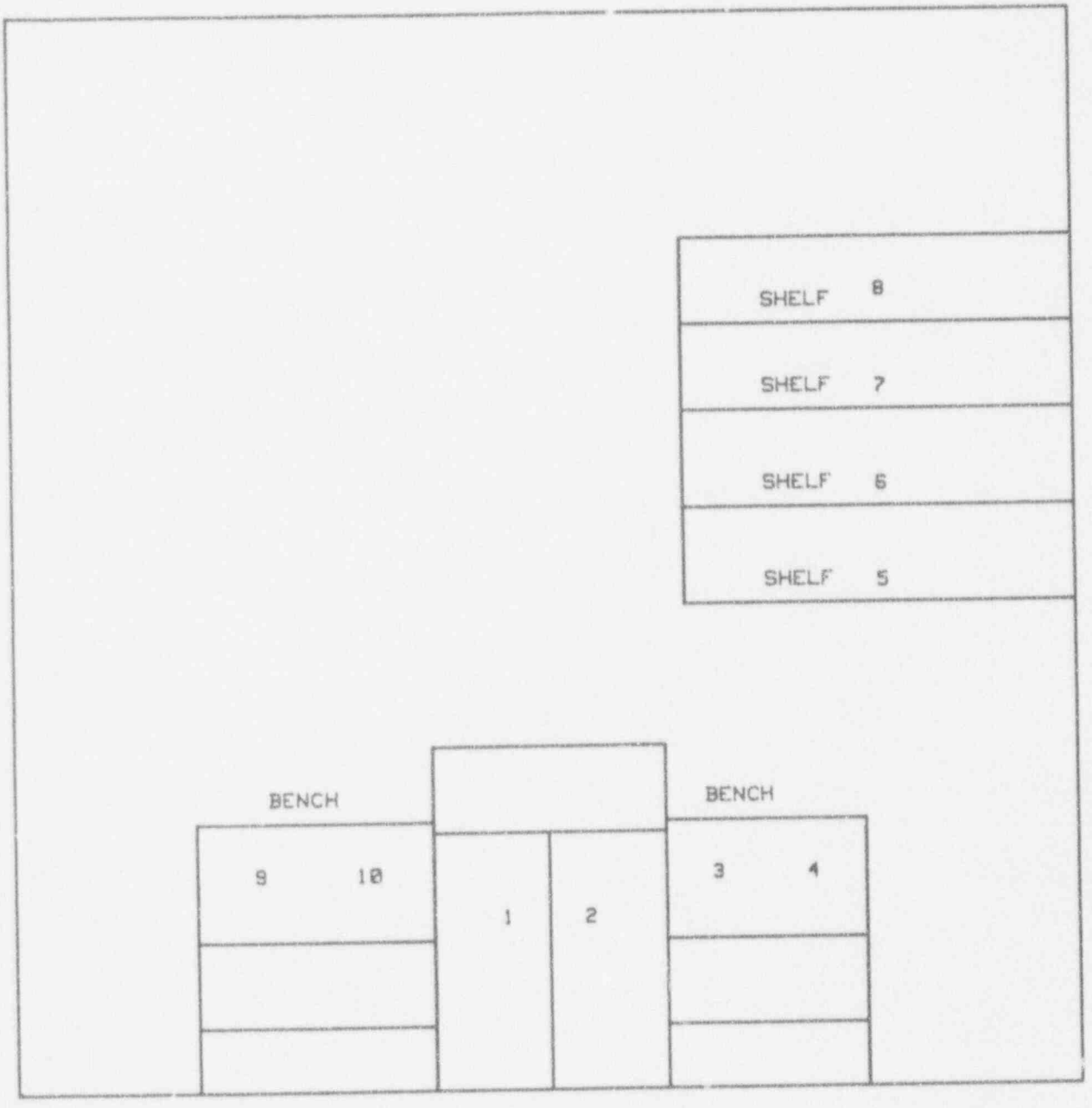
TELEDYNE ISOTOPES

DIAGRAM OF SURVEYED AREA

LOCATION: J-101 VIEW-D

PRINCIPLE OCCUPANTS: _____

ISOTOPE USAGE: _____



TELEDYNE ISOTOPES

SMEAR RESULTS BY LIQUID SCINTILLATION COUNTING

LOCATION: J-103 Center Island (Right)

SMEAR No.	Low Energy Beta Activity dpm/sample	Low Energy Beta Activity dpm/100cm^2
1	<50	<25
2	<50	<25
3	<50	<25
4	<50	<25
5	<50	<25
6	<50	<25
7	<50	<25
8	<50	<25
9	<50	<25
10	<50	<25
11	<50	<25
12	<50	<25
13	<50	<25
14	<50	<25
15	<50	<25
16	<50	<25
17	<50	<25
18	<50	<25
19	<50	<25
20	<50	<25
21	<50	<25
22	<50	<25

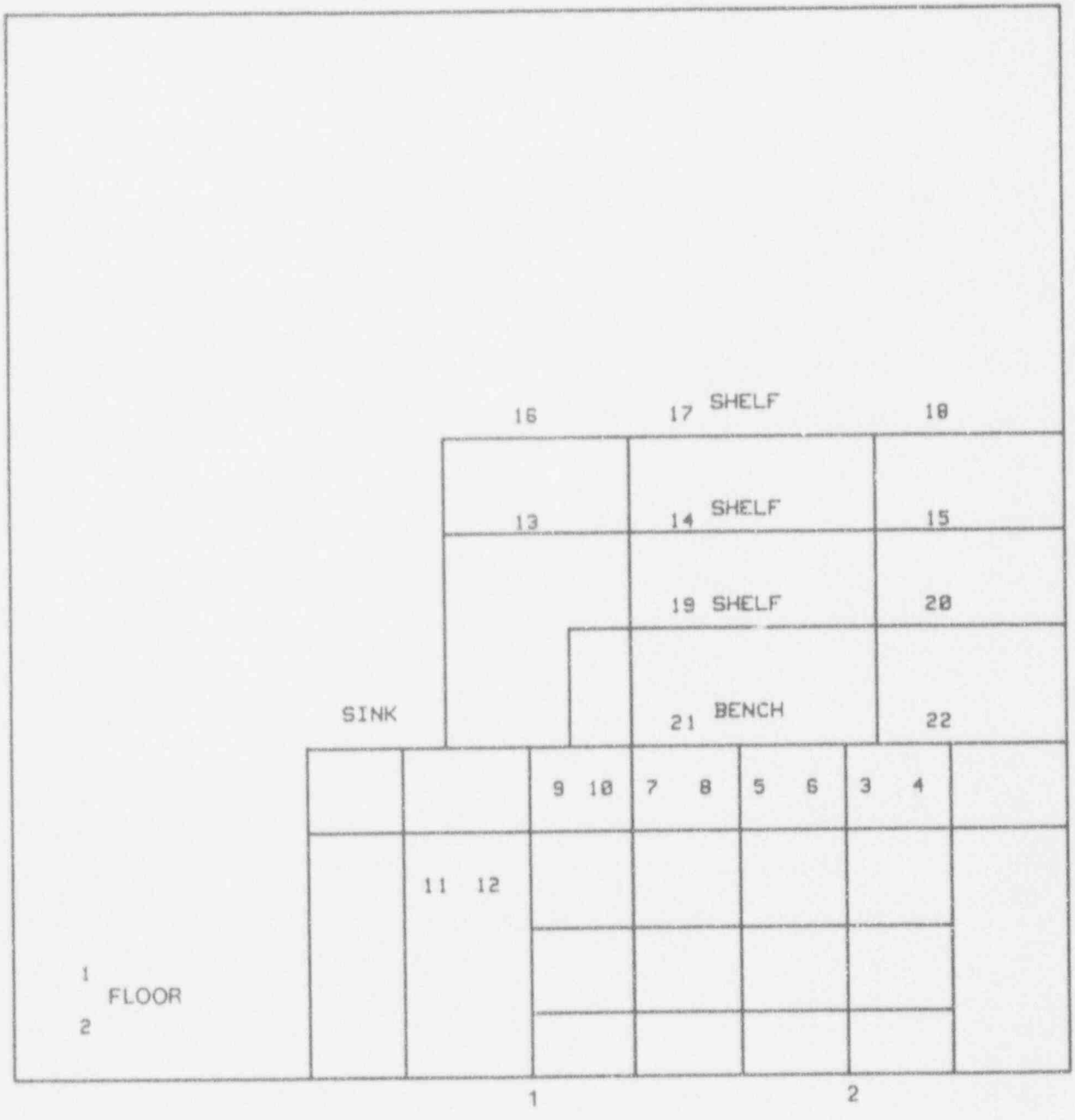
TELEDYNE ISOTOPES

DIAGRAM OF SURVEYED AREA

LOCATION: J-103 CENTER ISLAND RIGHT

PRINCIPLE OCCUPANTS: _____

ISOTOPE USAGE: _____



TELEDYNE ISOTOPES

SMEAR RESULTS BY LIQUID SCINTILLATION COUNTING

LOCATION: J-103 Center Island (Left)

SMEAR No.	Low Energy Beta Activity dpm/sample	Low Energy Beta Activity dpm/100cm^2
1	<50	<25
2	<50	<25
3	<50	<25
4	<50	<25
5	<50	<25
6	<50	<25
7	<50	<25
8	<50	<25
9	<50	<25
10	<50	<25
11	<50	<25
12	<50	<25
13	<50	<25

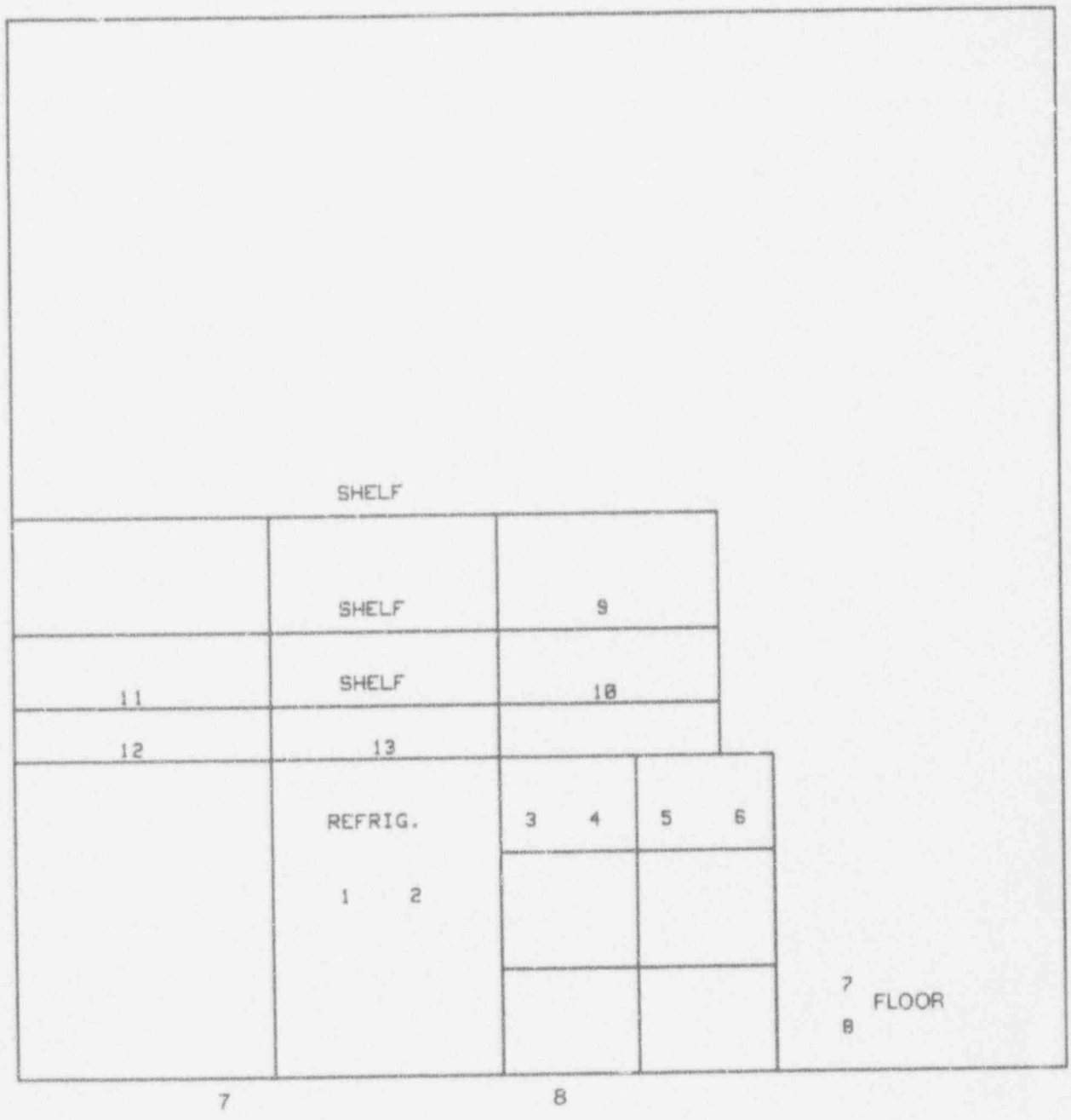
TELEDYNE ISOTOPES

DIAGRAM OF SURVEYED AREA

LOCATION: J-103 CENTER ISLAND LEFT

PRINCIPLE OCCUPANTS: _____

ISOTOPE USAGE: _____



TELEDYNE ISOTOPES

SMEAR RESULTS BY LIQUID SCINTILLATION COUNTING

LOCATION: J-108 Main View

SMEAR No.	Low Energy Beta Activity dpm/sample	Low Energy Beta Activity dpm/100cm^2
1	<50	<25
2	<50	<25
3	<50	<25
4	<50	<25
5	<50	<25
6	<50	<25
7	<50	<25
8	<50	<25
9	<50	<25
10	<50	<25
11	<50	<25
12	<50	<25
13	<50	<25
14	<50	<25
15 - Outside Drawers	<50	<25
16 - Inside Drawers	<50	<25
17 - Outside Drawers	<50	<25
18 - Inside Drawers	<50	<25
19 - Outside Drawers	<50	<25
20 - Inside Drawers	<50	<25
21	<50	<25
22	<50	<25
23	<50	<25
24	<50	<25
25	<50	<25

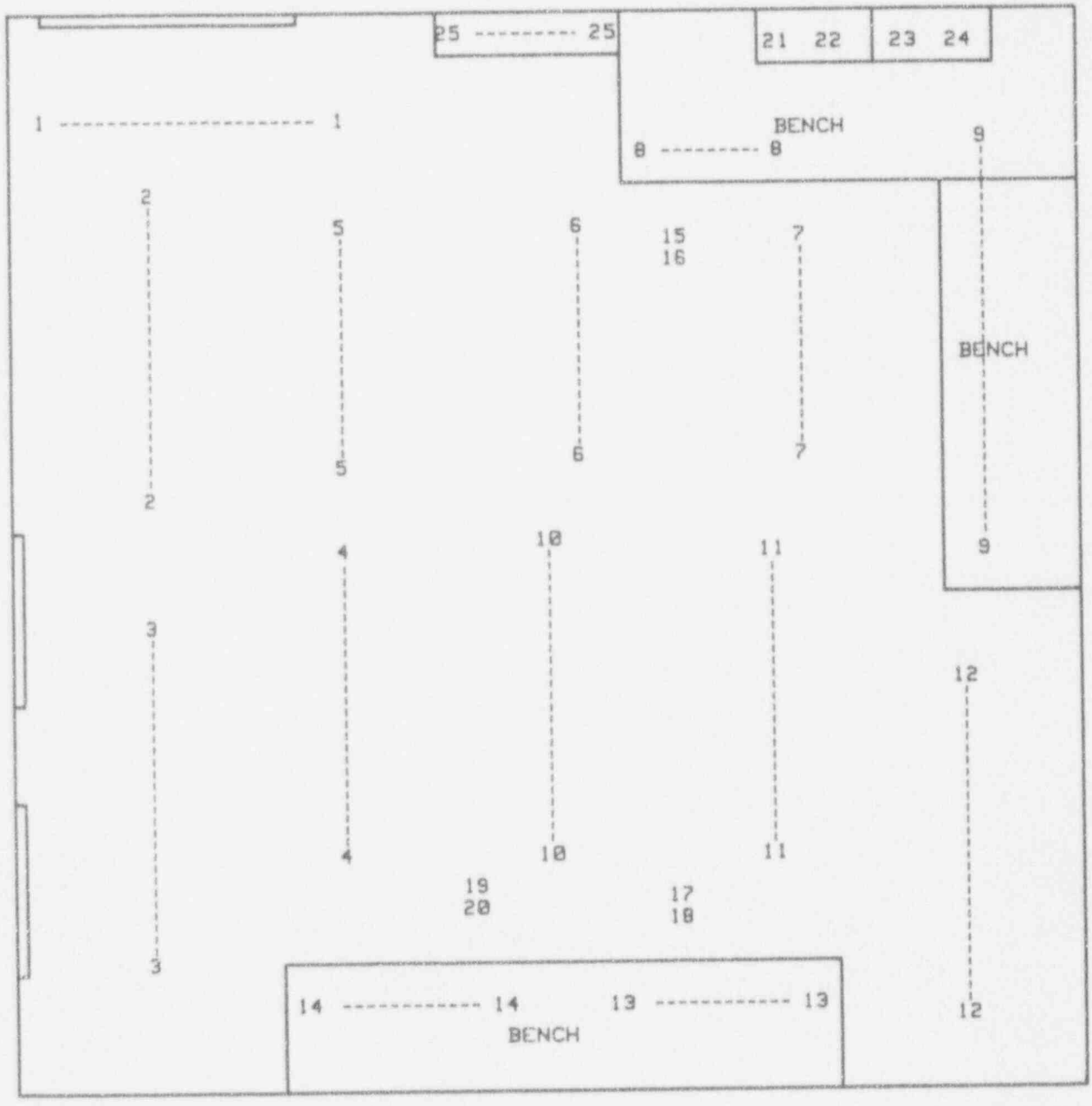
TELEDYNE ISOTOPES

DIAGRAM OF SURVEYED AREA

LOCATION: J-108 MAIN VIEW

PRINCIPLE OCCUPANTS: _____

ISOTOPE USAGE: _____



TELEDYNE ISOTOPES

SMEAR RESULTS BY LIQUID SCINTILLATION COUNTING

LOCATION: J-109 Main View

SMEAR No.	Low Energy Beta Activity dpm/sample	Low Energy Beta Activity dpm/100cm^2
1	<50	<25
2	<50	<25
3	<50	<25
4	<50	<25
5	<50	<25
6	<50	<25
7	<50	<25
8	<50	<25
9	<50	<25
10	<50	<25
11	<50	<25
12	<50	<25

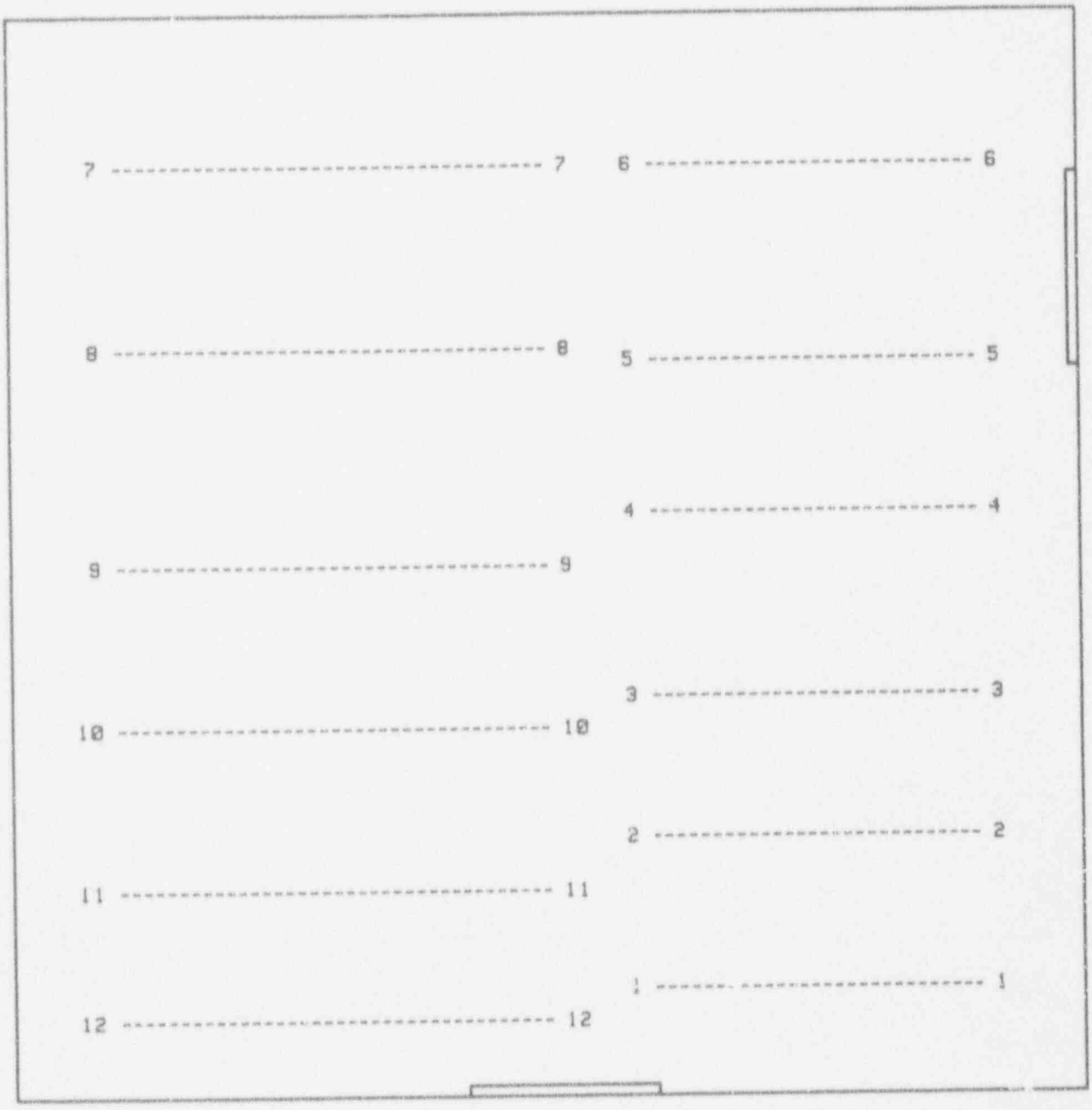
TELEDYNE ISOTOPES

DIAGRAM OF SURVEYED AREA

LOCATION: J-109 MAIN VIEW

PRINCIPLE OCCUPANTS: _____

ISOTOPE USAGE: _____



TELEDYNE ISOTOPES

SMEAR RESULTS BY LIQUID SCINTILLATION COUNTING

LOCATION: J-110 Main View

SMEAR No.	Low Energy Beta Activity dpm/sample	Low Energy Beta Activity dpm/100cm^2
1	<50	<25
2	<50	<25
3	<50	<25
4	<50	<25
5	<50	<25
6	<50	<25
7	<50	<25
8	<50	<25
9	<50	<25
10	<50	<25
11	<50	<25
12	<50	<25
13	<50	<25
14	<50	<25
15	<50	<25
16	<50	<25
17	<50	<25
18	<50	<25
19 - Outside Drawers	<50	<25
20 - Inside Drawers	<50	<25
21 - Outside Drawers	<50	<25
22 - Inside Drawers	<50	<25
23 - Outside Drawers	<50	<25
24 - Inside Drawers	<50	<25

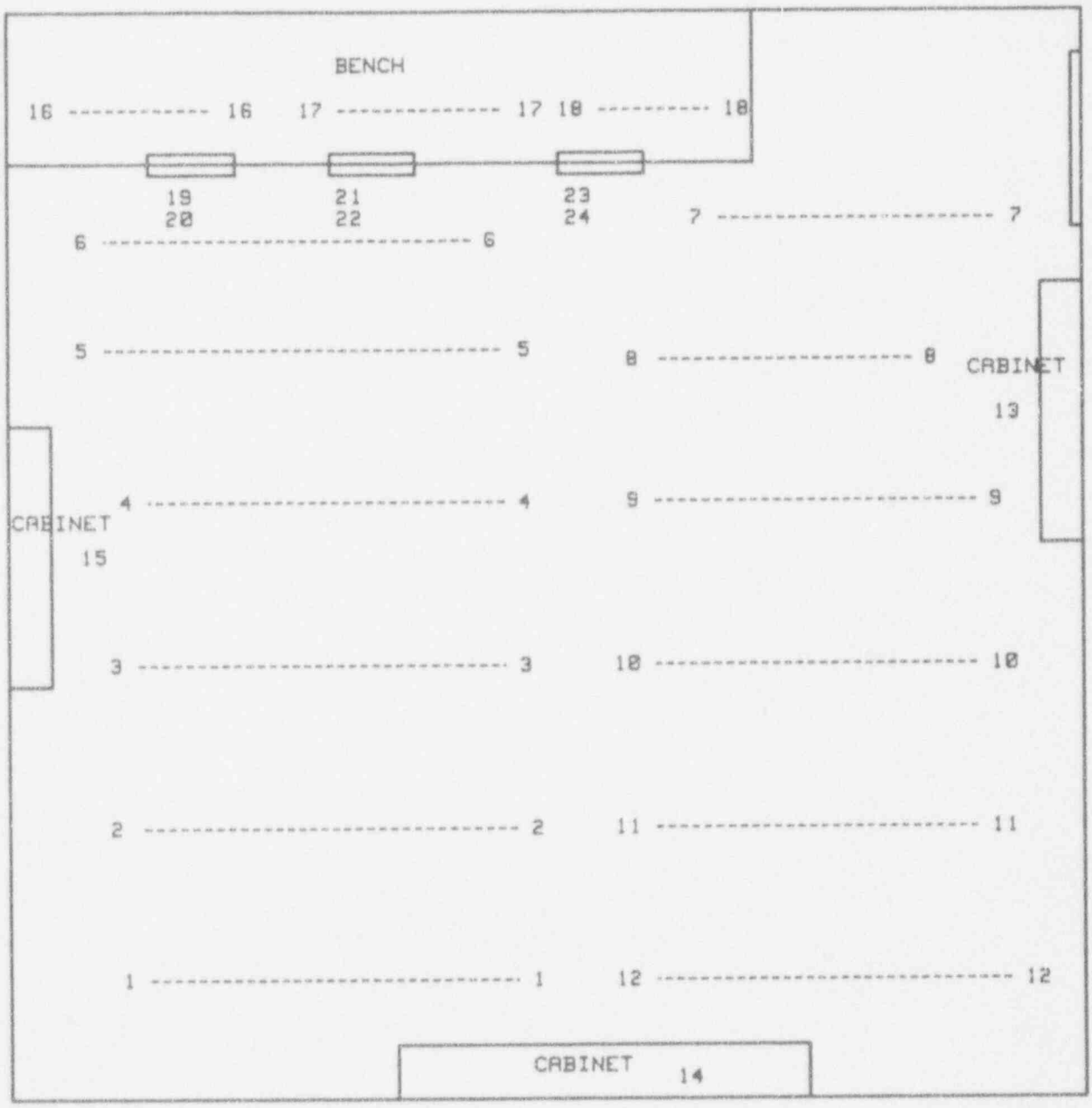
TELEDYNE ISOTOPES

DIAGRAM OF SURVEYED AREA

LOCATION: J-110 MAIN VIEW

PRINCIPLE OCCUPANTS: _____

ISOTOPE USAGE: _____



TELEDYNE ISOTOPES

SMEAR RESULTS BY LIQUID SCINTILLATION COUNTING

LOCATION: J-111 Main View

SMEAR No.	Low Energy Beta Activity dpm/sample	Low Energy Beta Activity dpm/100cm^2
1	<50	<25
2	<50	<25
3	<50	<25
4	<50	<25
5	<50	<25
6	600 ±60	300
7	<50	<25
8	<50	<25
9	<50	<25
10	<50	<25

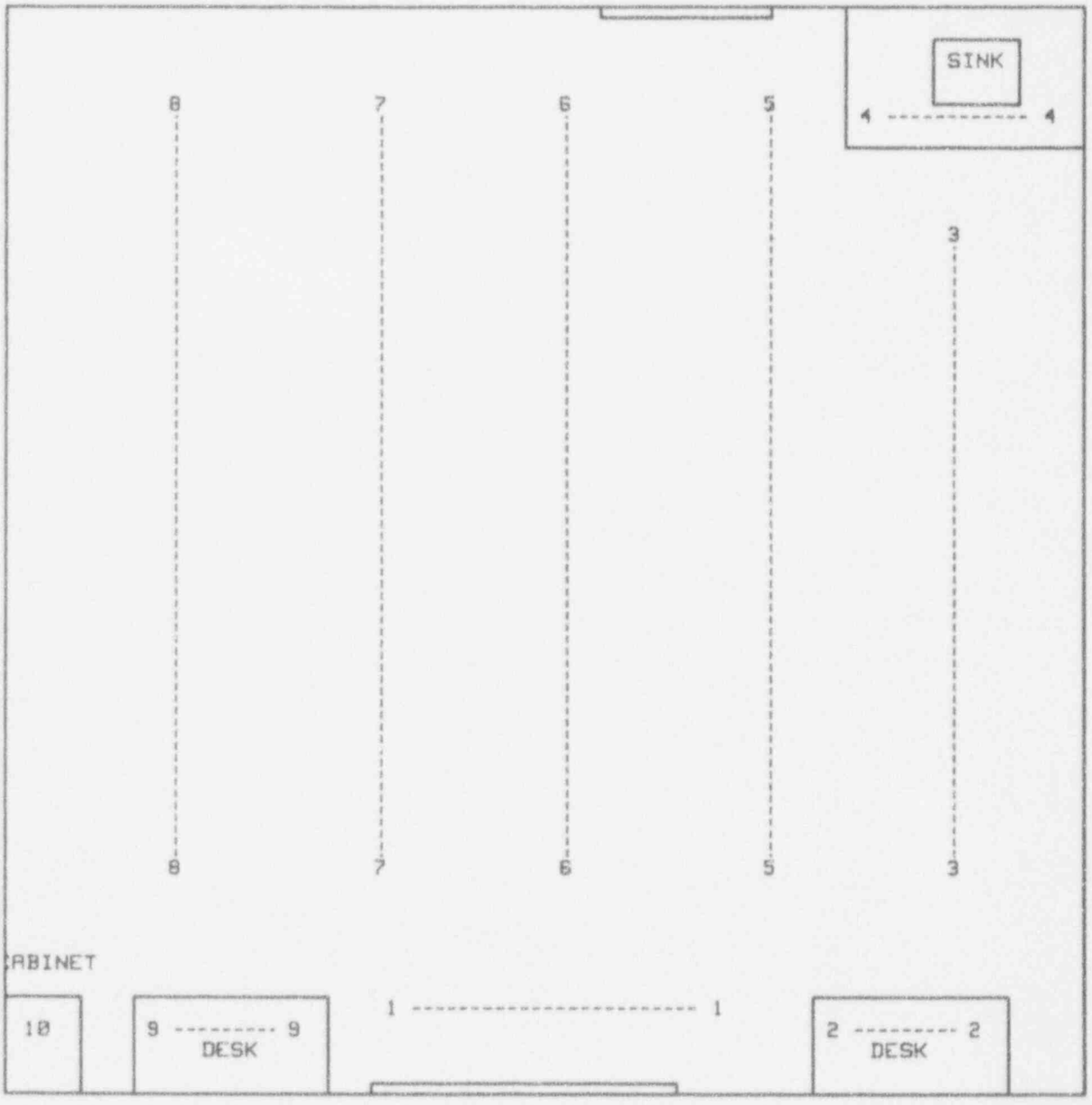
TELEDYNE ISOTOPES

DIAGRAM OF SURVEYED AREA

LOCATION: J-111 MAIN VIEW

PRINCIPLE OCCUPANTS: _____

ISOTOPE USAGE: _____



TELEDYNE ISOTOPES

SMEAR RESULTS BY LIQUID SCINTILLATION COUNTING

LOCATION: J-112 Main View

SMEAR No.	Low Energy Beta Activity dpm/sample	Low Energy Beta Activity dpm/100cm^2
1	<50	<25
2	<50	<25
3	<50	<25
4	<50	<25
5	<50	<25
6	<50	<25
7	<50	<25
8	<50	<25
9	<50	<25
10	<50	<25
11 - Outside Drawers	<50	<25
12 - Inside Drawers	<50	<25
13 - Outside Drawers	<50	<25
14 - Inside Drawers	<50	<25
15	<50	<25

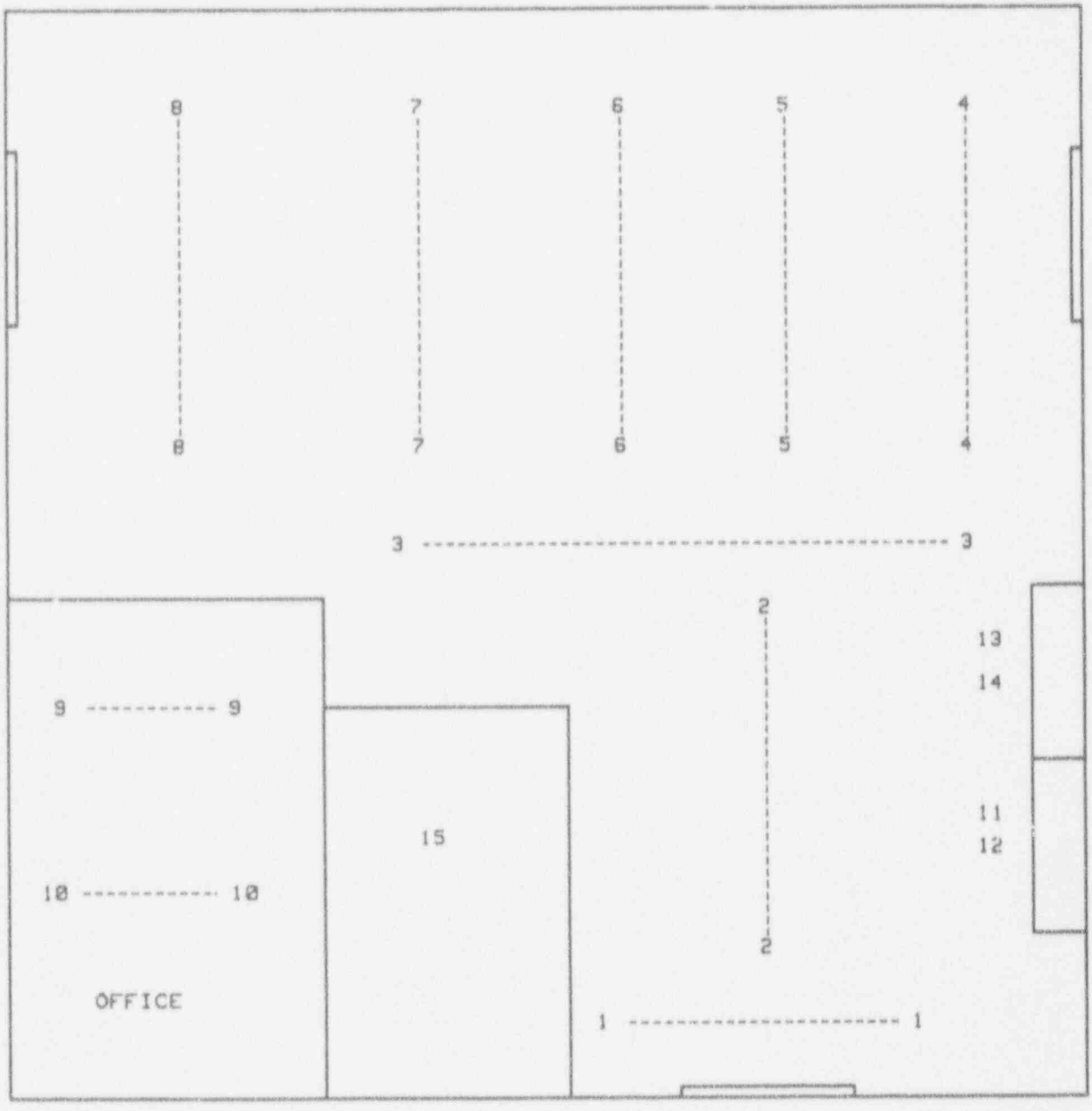
TELEDYNE ISOTOPES

DIAGRAM OF SURVEYED AREA

LOCATION: J-112 MAIN VIEW

PRINCIPLE OCCUPANTS: _____

ISOTOPE USAGE: _____



TELEDYNE ISOTOPES

SMEAR RESULTS BY LIQUID SCINTILLATION COUNTING

LOCATION: J-113 Main View

SMEAR No.	Low Energy Beta Activity dpm/sample	Low Energy Beta Activity dpm/100cm^2
1	<50	<25
2	<50	<25
3	<50	<25
4	<50	<25
5	<50	<25
6	<50	<25
7	<50	<25
8	<50	<25
9	<50	<25
10	<50	<25
11	<50	<25
12	<50	<25
13	<50	<25
14	<50	<25
15	<50	<25
16	<50	<25
17	<50	<25
18	<50	<25

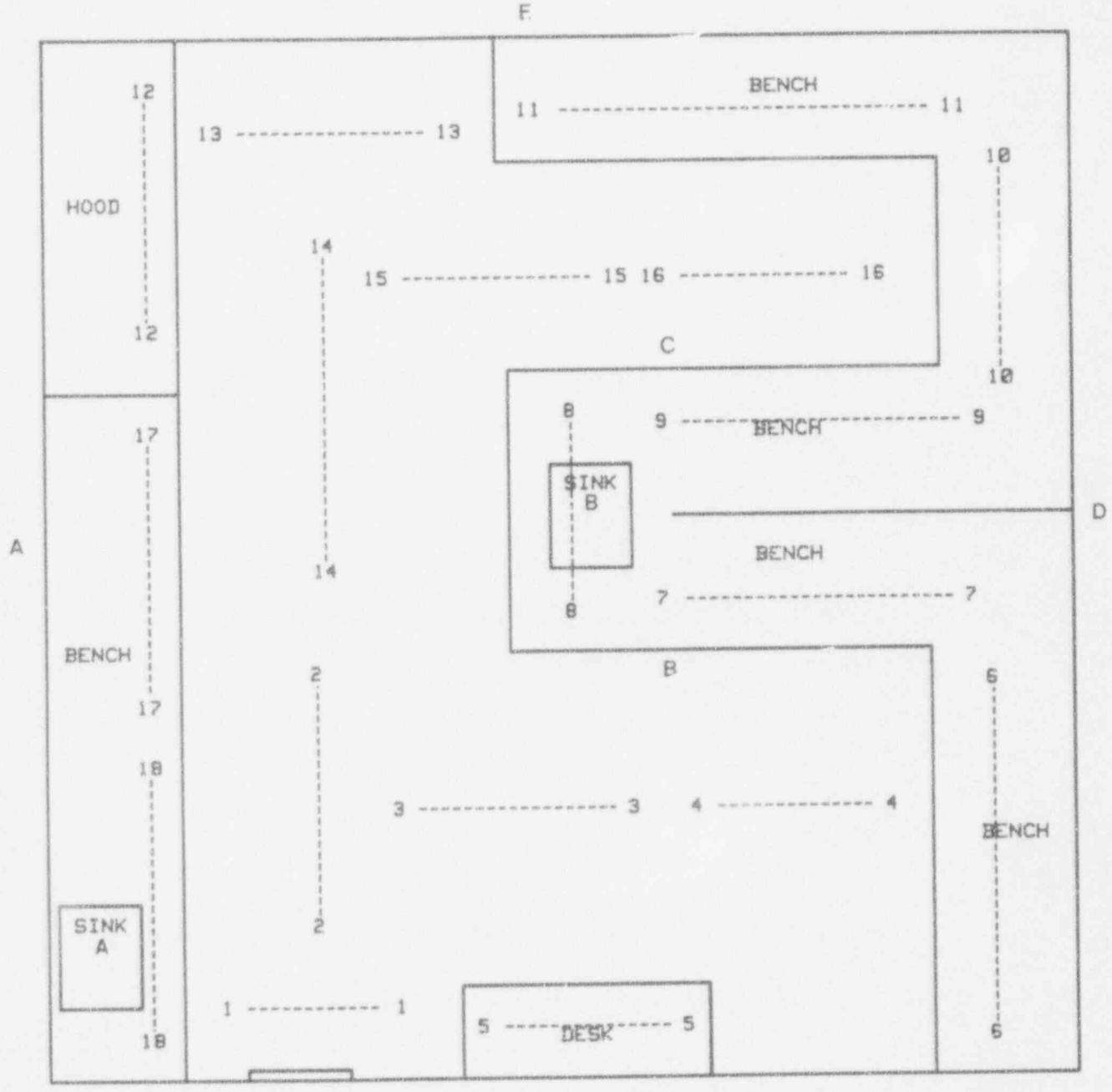
TELEDYNE ISOTOPES

DIAGRAM OF SURVEYED AREA

LOCATION: J-113 MAIN VIEW

PRINCIPLE OCCUPANTS: _____

ISOTOPE USAGE: _____



TELEDYNE ISOTOPES

SMEAR RESULTS BY LIQUID SCINTILLATION COUNTING

LOCATION: J-113 View A

SMEAR No.	Low Energy Beta Activity dpm/sample	Low Energy Beta Activity dpm/100cm^2
1	<50	<25
2	<50	<25
3	<50	<25
4	<50	<25
5	<50	<25
6	<50	<25
7	<50	<25
8	<50	<25
9	<50	<25
10	<50	<25
11	<50	<25
12	<50	<25
13	<50	<25
14	<50	<25
15	<50	<25
16	<50	<25
17	<50	<25

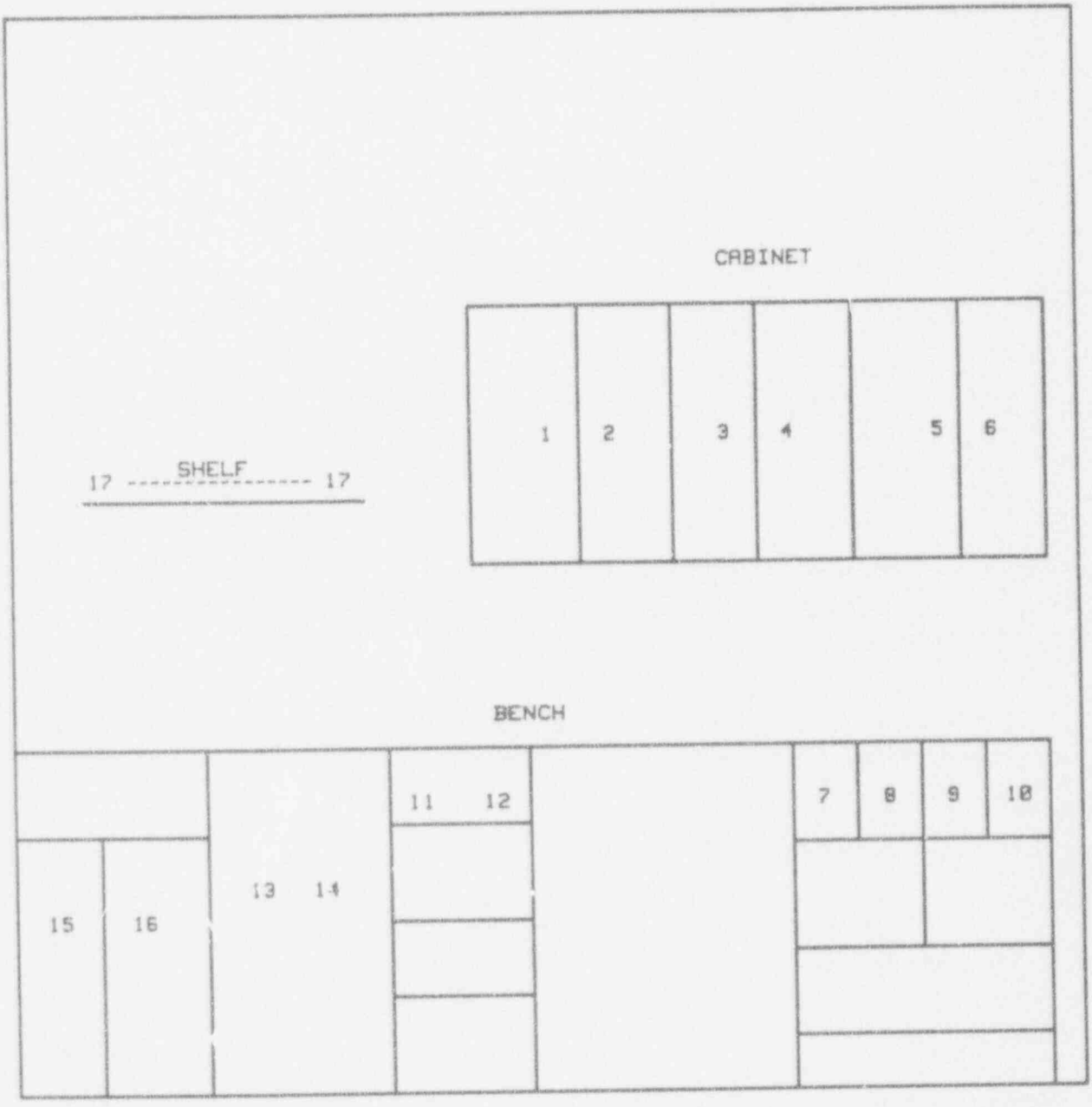
TELEDYNE ISOTOPES

DIAGRAM OF SURVEYED AREA

LOCATION: J-113 VIEW-A

PRINCIPLE OCCUPANTS: _____

ISOTOPE USAGE: _____



TELEDYNE ISOTOPES

SMEAR RESULTS BY LIQUID SCINTILLATION COUNTING

LOCATION: J-113 View B

SMEAR No.	Low Energy Beta Activity dpm/sample	Low Energy Beta Activity dpm/100cm^2
1	<50	<25
2	<50	<25
3	<50	<25
4	<50	<25
5	<50	<25
6	<50	<25
7	<50	<25
8	<50	<25
9	<50	<25
10	<50	<25
11	<50	<25
12	<50	<25

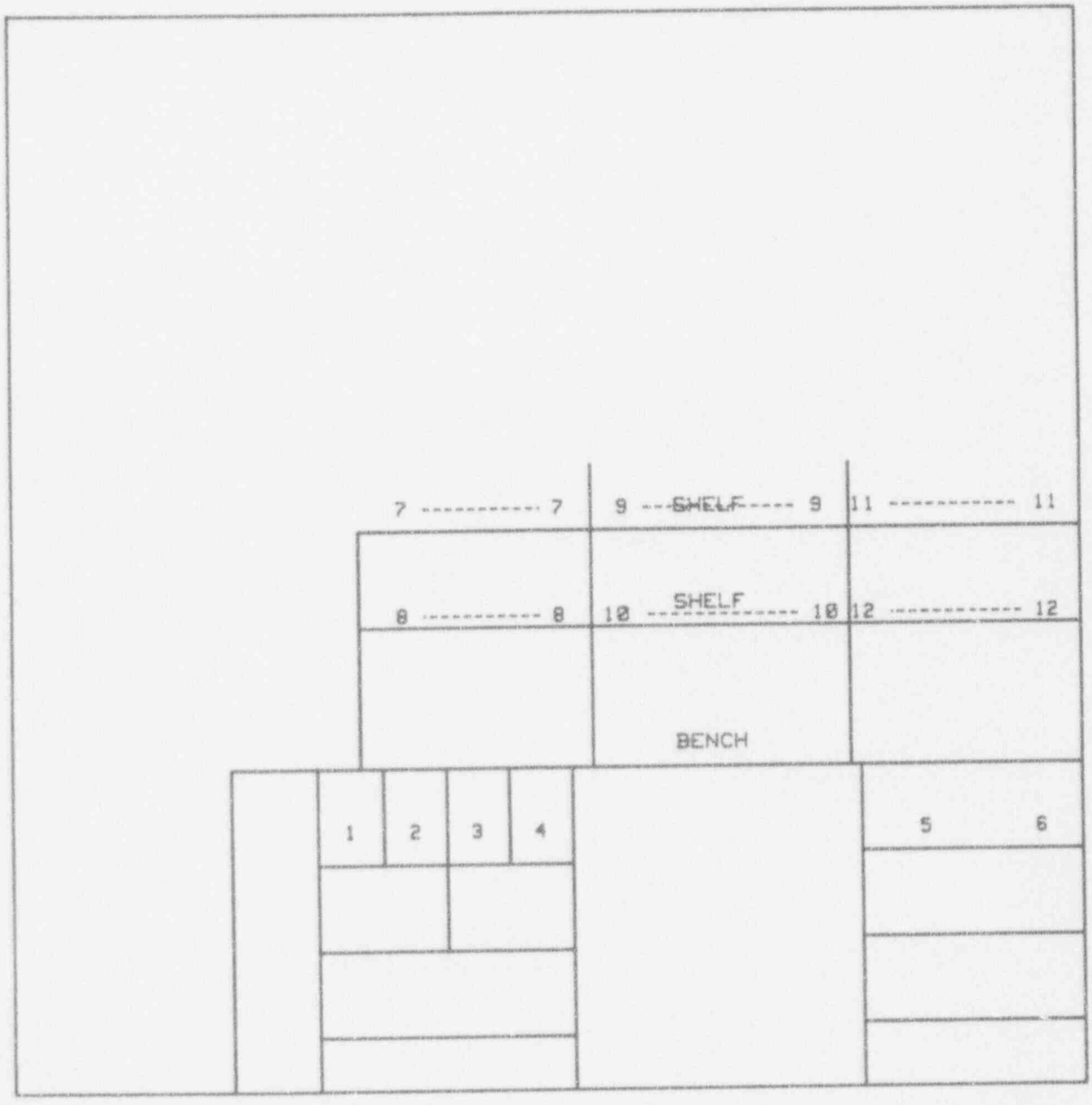
TELEDYNE ISOTOPES

DIAGRAM OF SURVEYED AREA

LOCATION: J-113 VIEW-B

PRINCIPLE OCCUPANTS: _____

ISOTOPE USAGE: _____



TELEDYNE ISOTOPES

SMEAR RESULTS BY LIQUID SCINTILLATION COUNTING

LOCATION: J-113 View C

SMEAR No.	Low Energy Beta Activity dpm/sample	Low Energy Beta Activity dpm/100cm^2
1	<50	<25
2	<50	<25
3	<50	<25
4	<50	<25
5	<50	<25
6	<50	<25

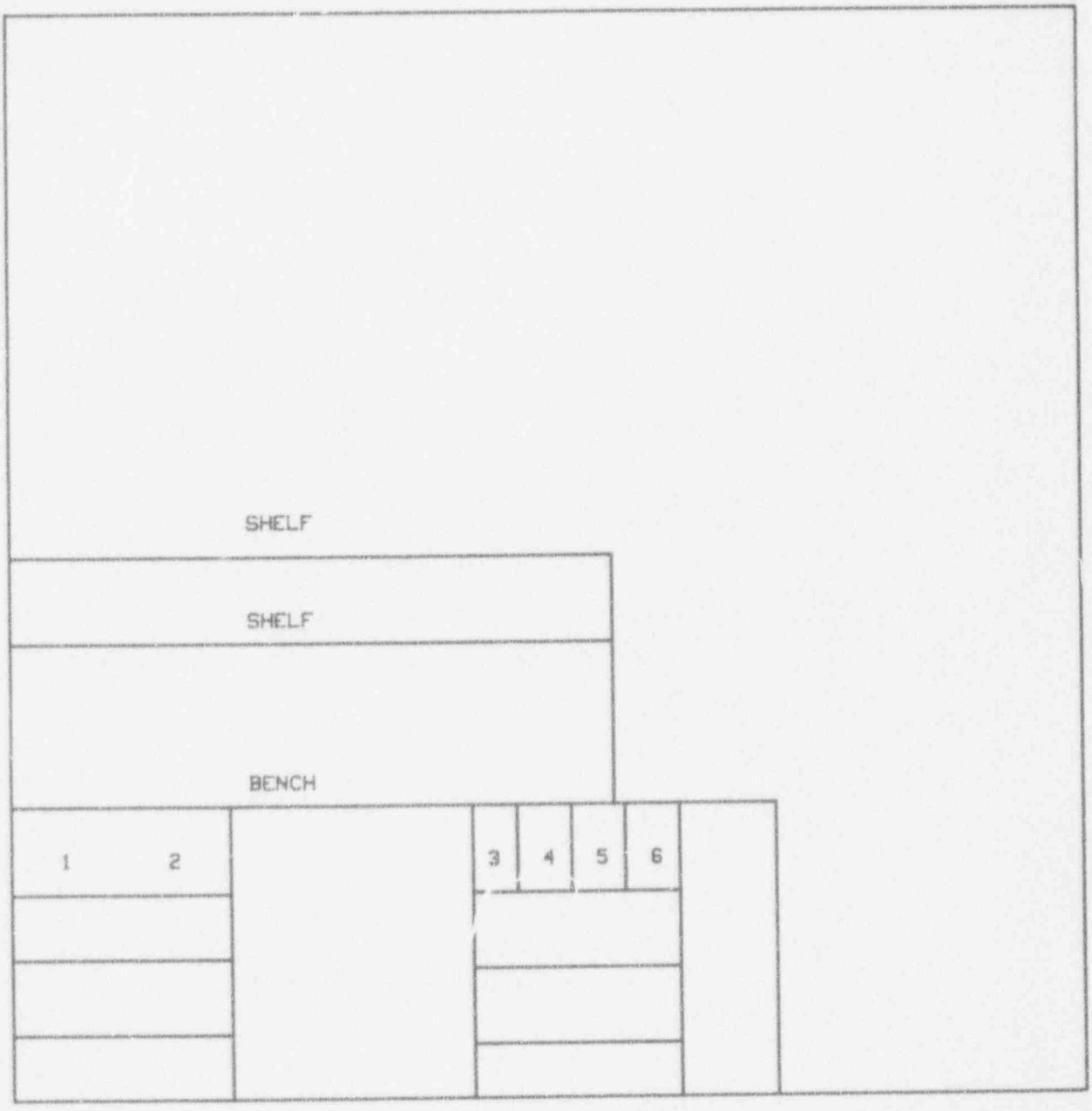
TELEDYNE ISOTOPES

DIAGRAM OF SURVEYED AREA

LOCATION: J-113 VIEW-C

PRINCIPLE OCCUPANTS: _____

ISOTOPE USAGE: _____



TELEDYNE ISOTOPES

SMEAR RESULTS BY LIQUID SCINTILLATION COUNTING

LOCATION: J-113 View D

SMEAR No.	Low Energy Beta Activity dpm/sample	Low Energy Beta Activity dpm/100cm^2
1	<50	<25
2	<50	<25
3	<50	<25
4	<50	<25
5	<50	<25
6	<50	<25
7	<50	<25
8	<50	<25
9	<50	<25
10	<50	<25
11	<50	<25
12	<50	<25
13	<50	<25
14	<50	<25
15	<50	<25
16	<50	<25
17	<50	<25
18	<50	<25

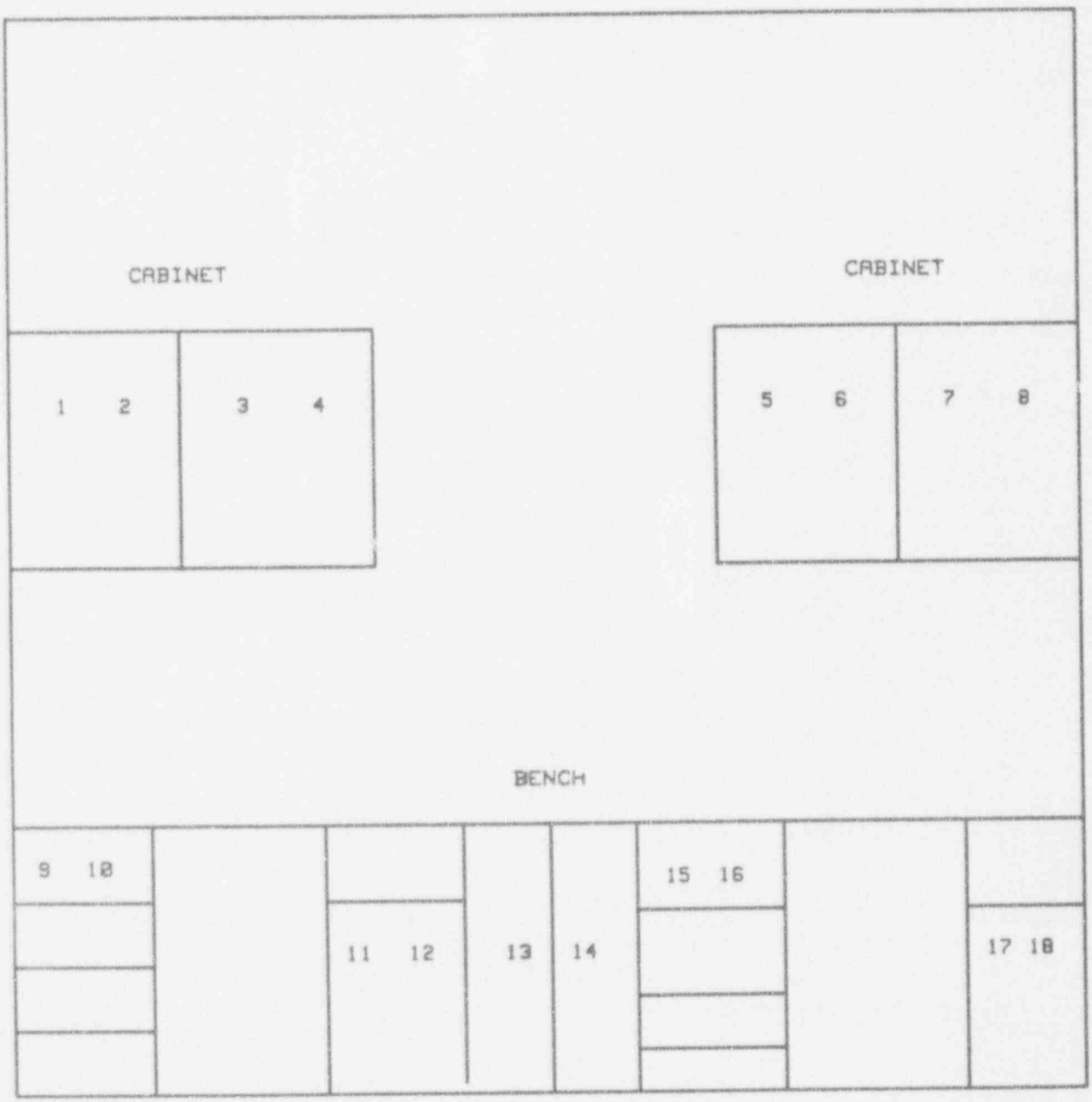
TELEDYNE ISOTOPES

DIAGRAM OF SURVEYED AREA

LOCATION: J-113 VIEW-D

PRINCIPLE OCCUPANTS: _____

ISOTOPE USAGE: _____



TELEDYNE ISOTOPES

SMEAR RESULTS BY LIQUID SCINTILLATION COUNTING

LOCATION: J-113 Hood #1

SMEAR No.	Low Energy Beta Activity dpm/sample	Low Energy Beta Activity dpm/100cm^2
1	<50	<25
2	<50	<25
3	<50	<25
4	<50	<25
5	<50	<25
6	<50	<25
7	<50	<25
8	<50	<25
9	<50	<25
10	<50	<25

TELEDYNE ISOTOPES

SMEAR RESULTS BY LIQUID SCINTILLATION COUNTING

LOCATION: J-114 Main View

SMEAR No.	Low Energy Beta Activity dpm/sample	Low Energy Beta Activity dpm/100cm^2
1	<50	<25
2	<50	<25
3	<50	<25
4	<50	<25
5	<50	<25
6	<50	<25
7	<50	<25
8	<50	<25
9	<50	<25
10	<50	<25
11	<50	<25
12	<50	<25
13 - Wall	<50	<25
14 - Wall	<50	<25
15 - Wall	<50	<25
16 - Wall	<50	<25

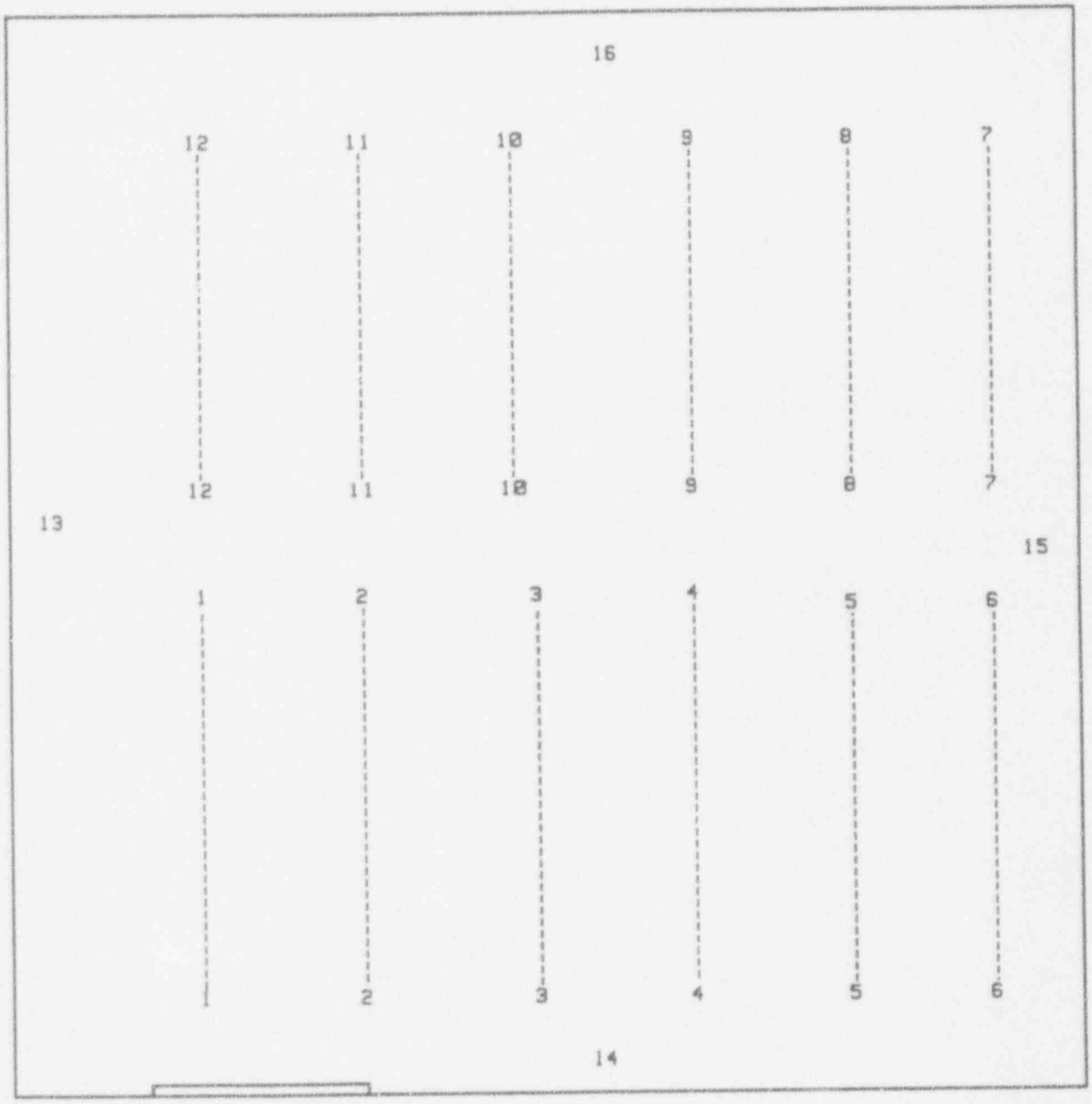
TELEDYNE ISOTOPES

DIAGRAM OF SURVEYED AREA

LOCATION: J-114 MAIN VIEW

PRINCIPLE OCCUPANTS: _____

ISOTOPE USAGE: _____



TELEDYNE ISOTOPES

SMEAR RESULTS BY LIQUID SCINTILLATION COUNTING

LOCATION: I-115 Main View

SMEAR No.	Low Energy Beta Activity dpm/sample	Low Energy Beta Activity dpm/100cm^2
1	<50	<25
2	<50	<25
3	<50	<25
4	<50	<25
5	<50	<25
6	<50	<25
7	<50	<25
8	<50	<25
9	<50	<25
10	<50	<25
11	<50	<25
12	<50	<25
13	<50	<25
14	<50	<25
15	91 ±9	46
16	<50	<25
17	<50	<25
18	<50	<25

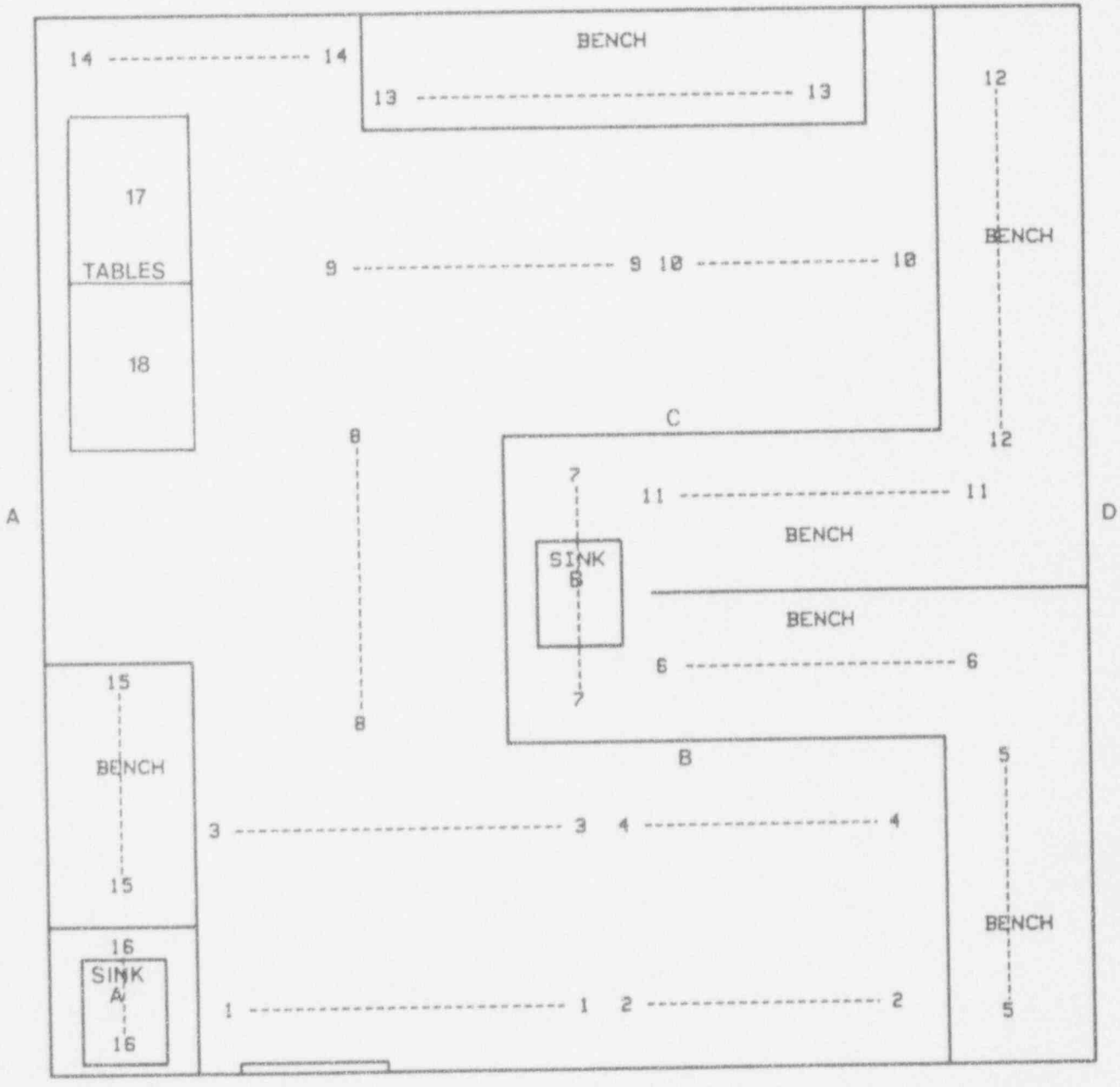
TELEDYNE ISOTOPES

DIAGRAM OF SURVEYED AREA

LOCATION: J-115 MAIN VIEW

PRINCIPLE OCCUPANTS: _____

ISOTOPE USAGE: _____



TELEDYNE ISOTOPES

SMEAR RESULTS BY LIQUID SCINTILLATION COUNTING

LOCATION: J-115 View A

SMEAR No.	Low Energy Beta Activity dpm/sample	Low Energy Beta Activity dpm/100cm^2
1	<50	<25
2	<50	<25
3	<50	<25
4	<50	<25
5	<50	<25
6	<50	<25
7	<50	<25
8	<50	<25
9	<50	<25
10	<50	<25
11	113 ±11	57
12	<50	<25
13	<50	<25
14	83 ±8	42
15	<50	<25
16	<50	<25
17 - Inside Duct	<50	<25

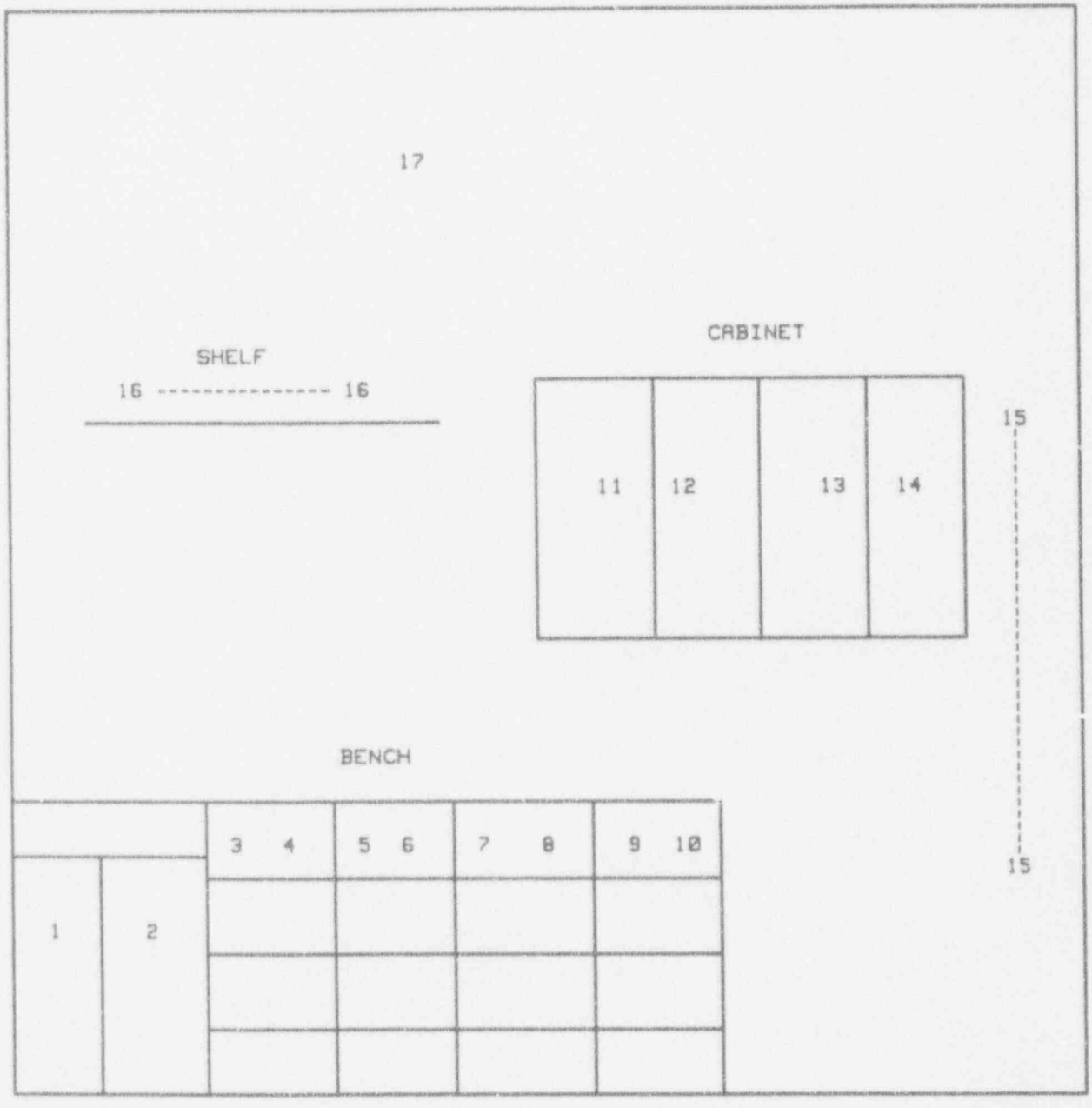
TELEDYNE ISOTOPES

DIAGRAM OF SURVEYED AREA

LOCATION: J-115 VIEW-A

PRINCIPLE OCCUPANTS: _____

ISOTOPE USAGE: _____



TELEDYNE ISOTOPES

SMEAR RESULTS BY LIQUID SCINTILLATION COUNTING

LOCATION: J-115 View B

SMEAR No.	Low Energy Beta Activity dpm/sample	Low Energy Beta Activity dpm/100cm^2
1	<50	<25
2	<50	<25
3	168 ±17	84
4	<50	<25
5	<50	<25
6	<50	<25
7	<50	<25
8	<50	<25
9	<50	<25
10	<50	<25
11	<50	<25
12	<50	<25

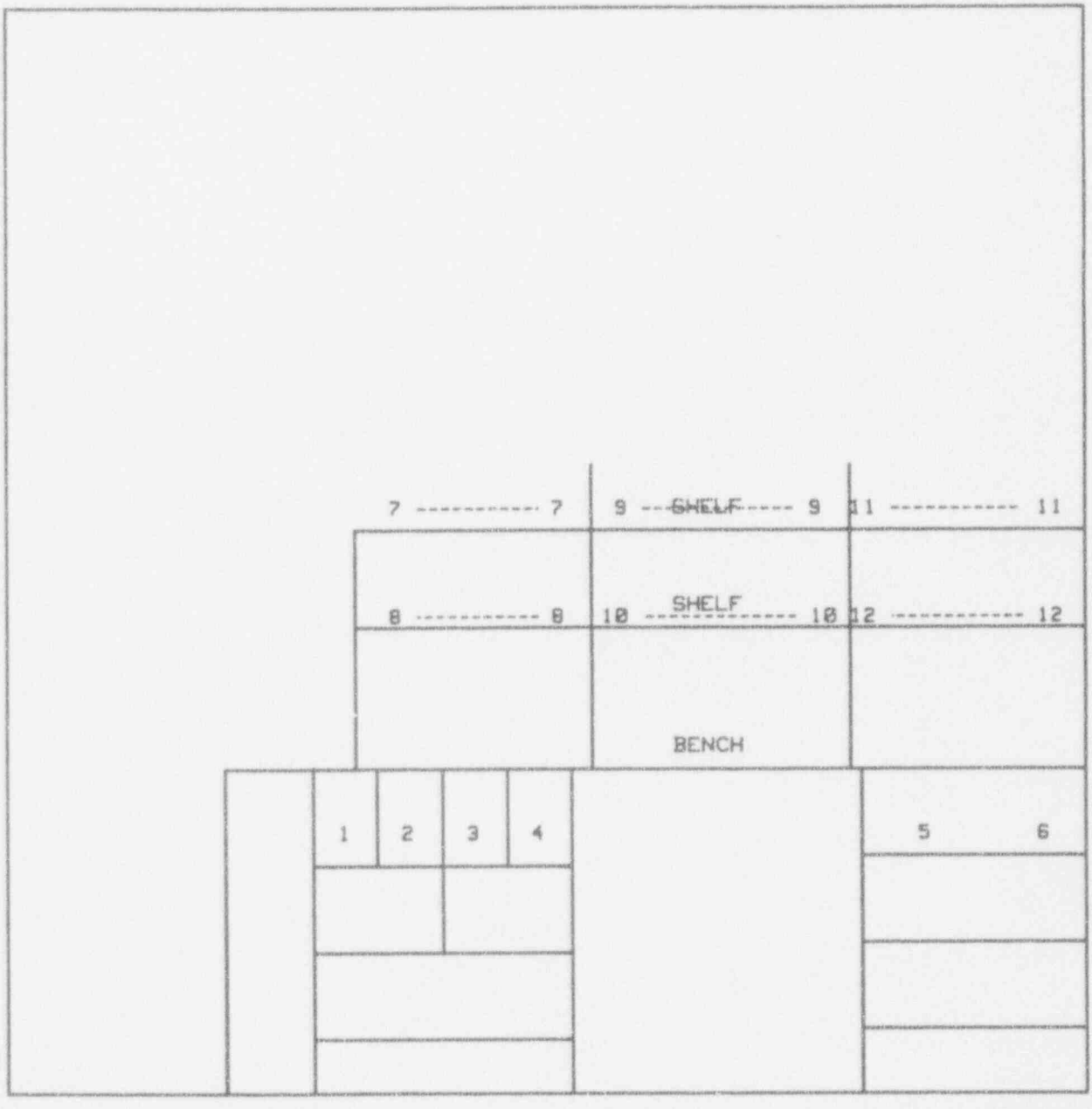
TELEDYNE ISOTOPES

DIAGRAM OF SURVEYED AREA

LOCATION: J-115 VIEW-B

PRINCIPLE OCCUPANTS: _____

ISOTOPE USAGE: _____



TELEDYNE ISOTOPES

SMEAR RESULTS BY LIQUID SCINTILLATION COUNTING

LOCATION: J-115 View C

SMEAR No.	Low Energy Beta Activity dpm/sample	Low Energy Beta Activity dpm/100cm^2
1	<50	<25
2	<50	<25
3	<50	<25
4	<50	<25
5	<50	<25
6	<50	<25

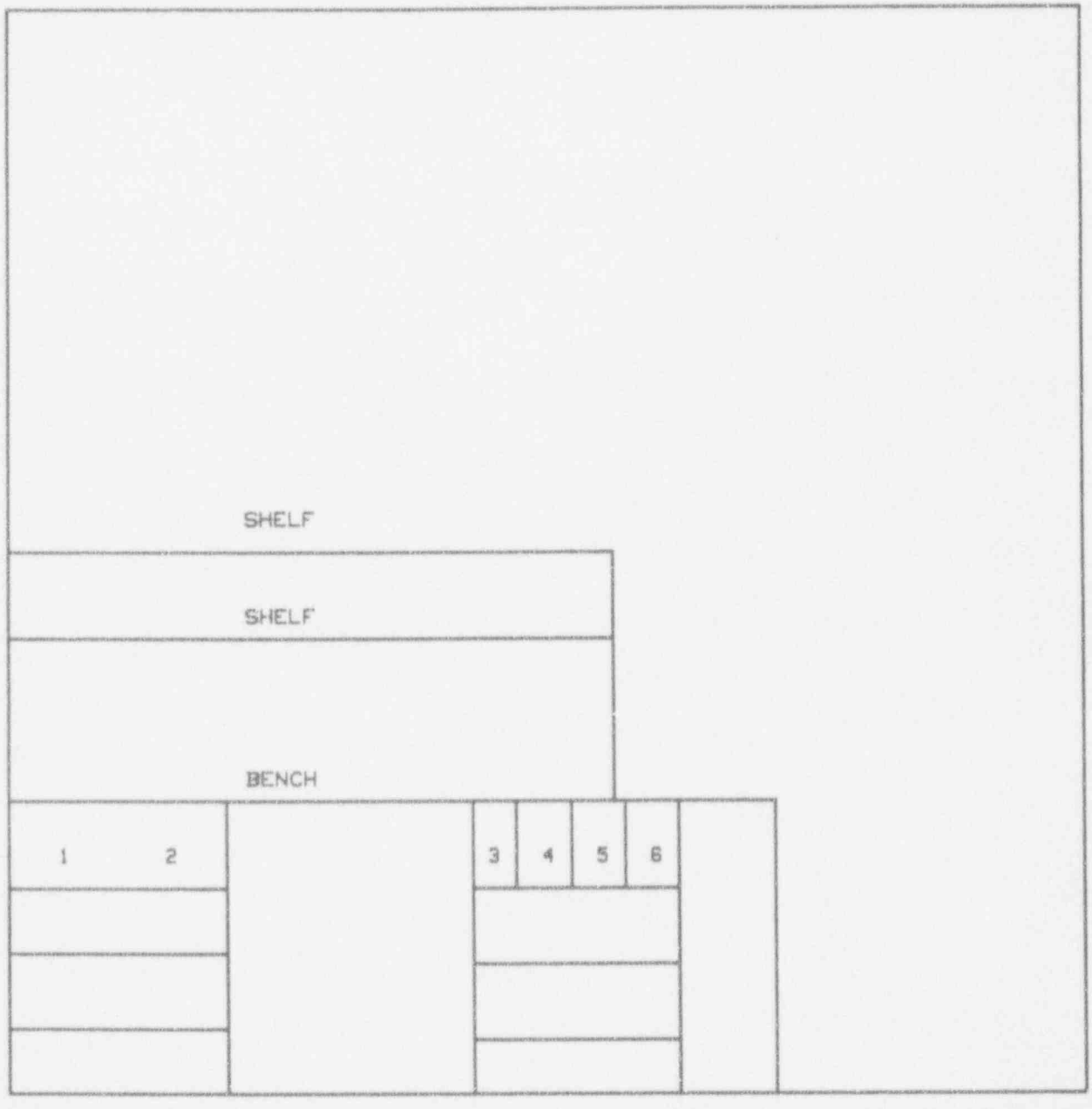
TELEDYNE ISOTOPES

DIAGRAM OF SURVEYED AREA

LOCATION: J-115 VIEW-C

PRINCIPLE OCCUPANTS: _____

ISOTOPE USAGE: _____



TELEDYNE ISOTOPES

SMEAR RESULTS BY LIQUID SCINTILLATION COUNTING

LOCATION: J-115 View D

SMEAR No.	Low Energy Beta Activity dpm/sample	Low Energy Beta Activity dpm/100cm^2
1	<50	<25
2	<50	<25
3	<50	<25
4	<50	<25
5	<50	<25
6	<50	<25
7	<50	<25
8	<50	<25
9	<50	<25
10	<50	<25
11	<50	<25
12	<50	<25
13	<50	<25
14	<50	<25
15	<50	<25
16	<50	<25
17	<50	<25
18	<50	<25

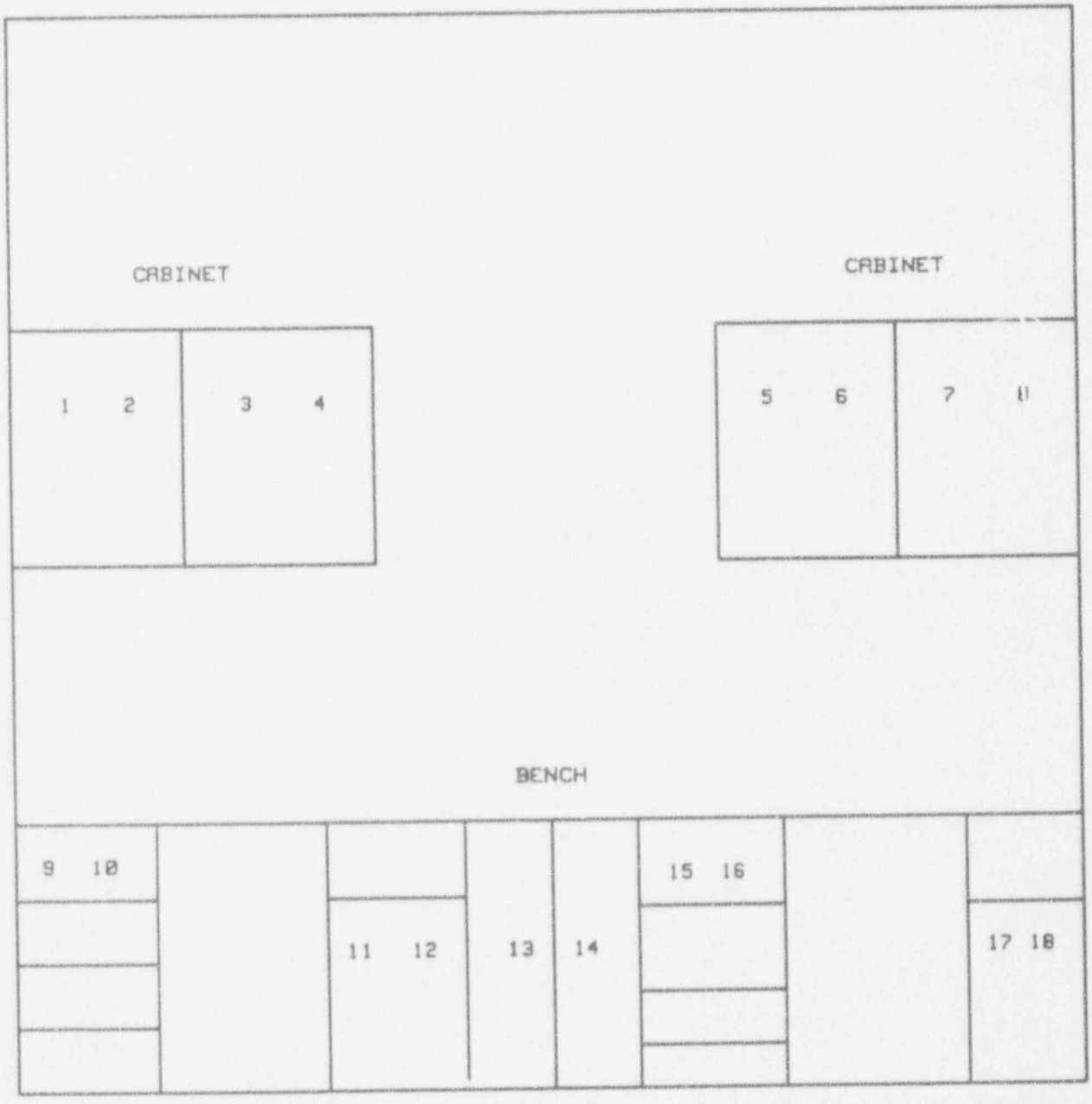
TELEDYNE ISOTOPES

DIAGRAM OF SURVEYED AREA

LOCATION: J-115 VIEW-D

PRINCIPLE OCCUPANTS: _____

ISOTOPE USAGE: _____



TELEDYNE ISOTOPES

SMEAR RESULTS BY LIQUID SCINTILLATION COUNTING

LOCATION: J-116 Main View

SMEAR No.	Low Energy Beta Activity dpm/sample	Low Energy Beta Activity dpm/100cm^2
1	<50	<25
2	<50	<25
3	<50	<25
4	<50	<25
5	<50	<25
6	<50	<25
7	<50	<25
8	<50	<25
9	<50	<25
10	<50	<25
11	<50	<25
12	<50	<25
13	<50	<25
14	<50	<25
15	<50	<25
16	<50	<25

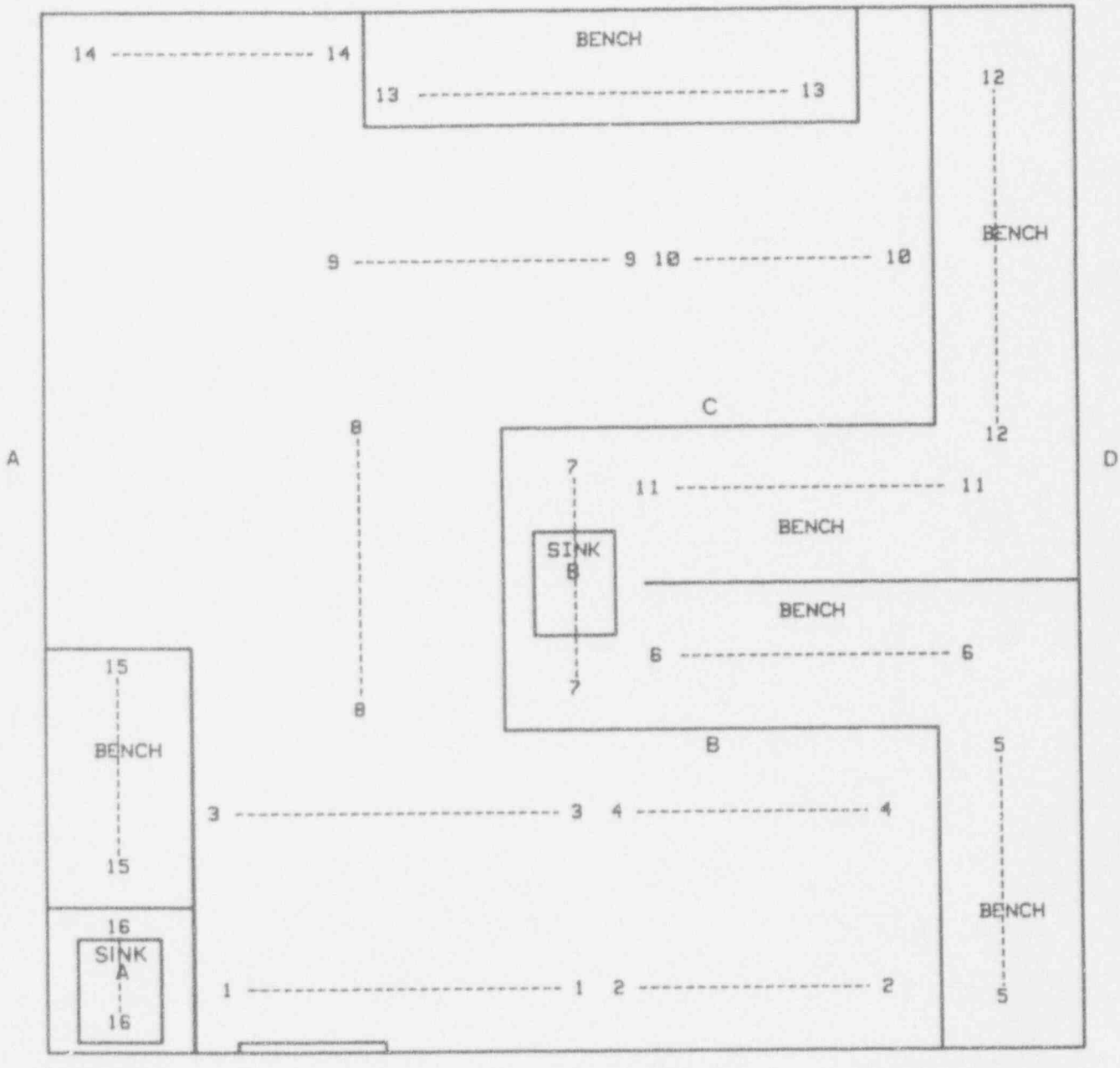
TELEDYNE ISOTOPES

DIAGRAM OF SURVEYED AREA

LOCATION: J-116 MAIN VIEW

PRINCIPLE OCCUPANTS: _____

ISOTOPE USAGE: _____



TELEDYNE ISOTOPES

SMEAR RESULTS BY LIQUID SCINTILLATION COUNTING

LOCATION: J-116 View A

SMEAR No.	Low Energy Beta Activity dpm/sample	Low Energy Beta Activity dpm/100cm^2
1	<50	<25
2	<50	<25
3	<50	<25
4	<50	<25
5	64 ±6	32
6	<50	<25
7	<50	<25
8	<50	<25
9	<50	<25
10	<50	<25
11	<50	<25
12	<50	<25
13	<50	<25
14	<50	<25
15	<50	<25
16	<50	<25
17 - Inside Duct	<50	<25

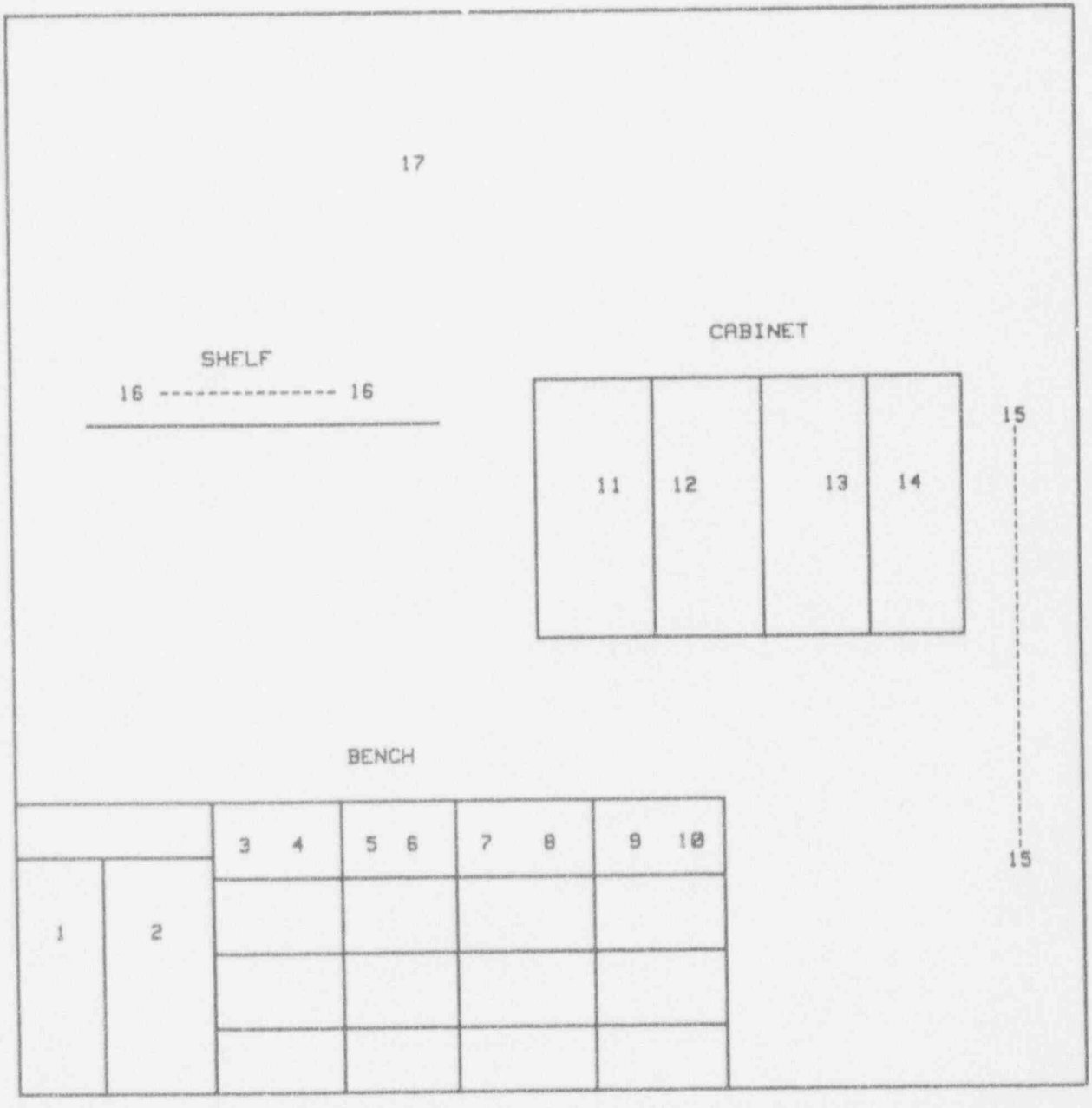
TELEDYNE ISOTOPES

DIAGRAM OF SURVEYED AREA

LOCATION: J-116 VIEW-A

PRINCIPLE OCCUPANTS: _____

ISOTOPE USAGE: _____



TELEDYNE ISOTOPES

SMEAR RESULTS
BY LIQUID SCINTILLATION
COUNTING

LOCATION: J-116 View B

SMEAR No.	Low Energy Beta Activity dpm/sample	Low Energy Beta Activity dpm/100cm^2
1	<50	<25
2	<50	<25
3	<50	<25
4	<50	<25
5	<50	<25
6	<50	<25
7	<50	<25
8	<50	<25
9	<50	<25
10	<50	<25
11	<50	<25
12	<50	<25

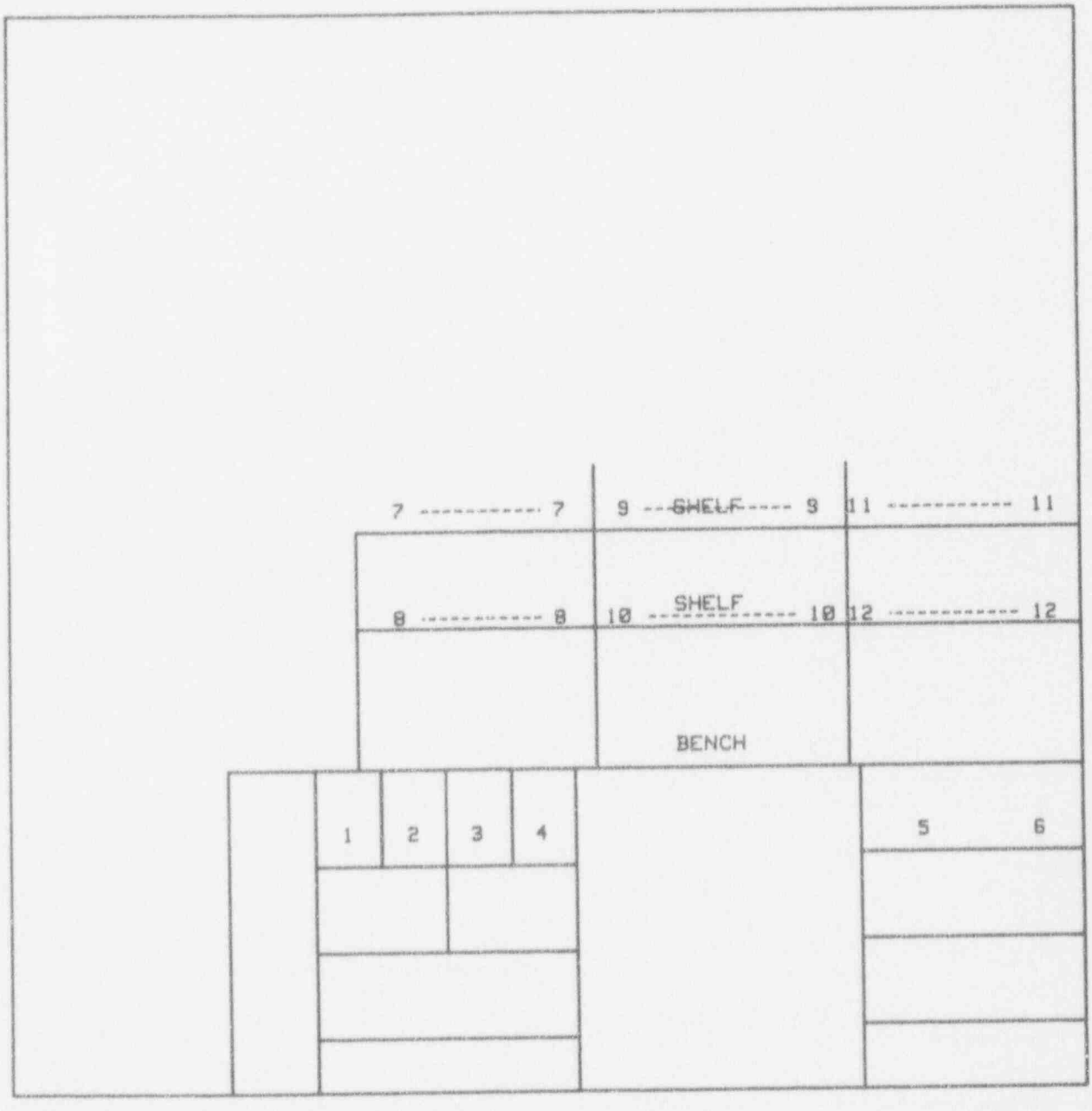
TELEDYNE ISOTOPES

DIAGRAM OF SURVEYED AREA

LOCATION: J-116 VIEW-B

PRINCIPLE OCCUPANTS: _____

ISOTOPE USAGE: _____



TELEDYNE ISOTOPES

SMEAR RESULTS BY LIQUID SCINTILLATION COUNTING

LOCATION: J-116 View C

SMEAR No.	Low Energy Beta Activity dpm/sample	Low Energy Beta Activity dpm/100cm^2
1	<50	<25
2	<50	<25
3	<50	<25
4	<50	<25
5	<50	<25
6	<50	<25

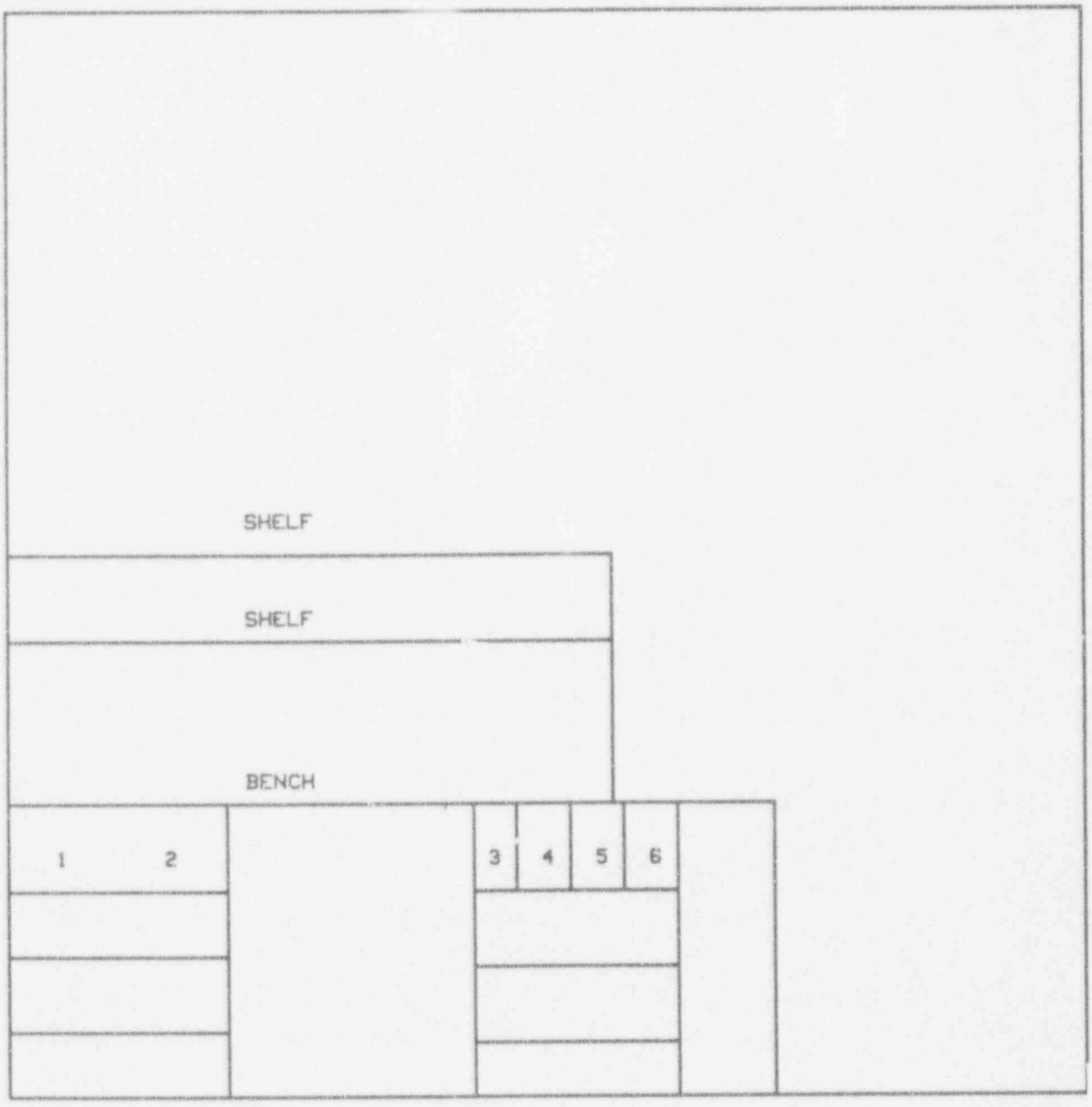
TELEDYNE ISOTOPES

DIAGRAM OF SURVEYED AREA

LOCATION: J-116 VIEW-C

PRINCIPLE OCCUPANTS: _____

ISOTOPE USAGE: _____



TELEDYNE ISOTOPES

SMEAR RESULTS BY LIQUID SCINTILLATION COUNTING

LOCATION: J-116 View D

SMEAR No.	Low Energy Beta Activity dpm/sample	Low Energy Beta Activity dpm/100cm^2
1	<50	<25
2	<50	<25
3	<50	<25
4	<50	<25
5	<50	<25
6	<50	<25
7	<50	<25
8	<50	<25
9	<50	<25
10	<50	<25
11	<50	<25
12	<50	<25
13	<50	<25
14	55 ±5	28
15	<50	<25
16	<50	<25
17	<50	<25
18	<50	<25

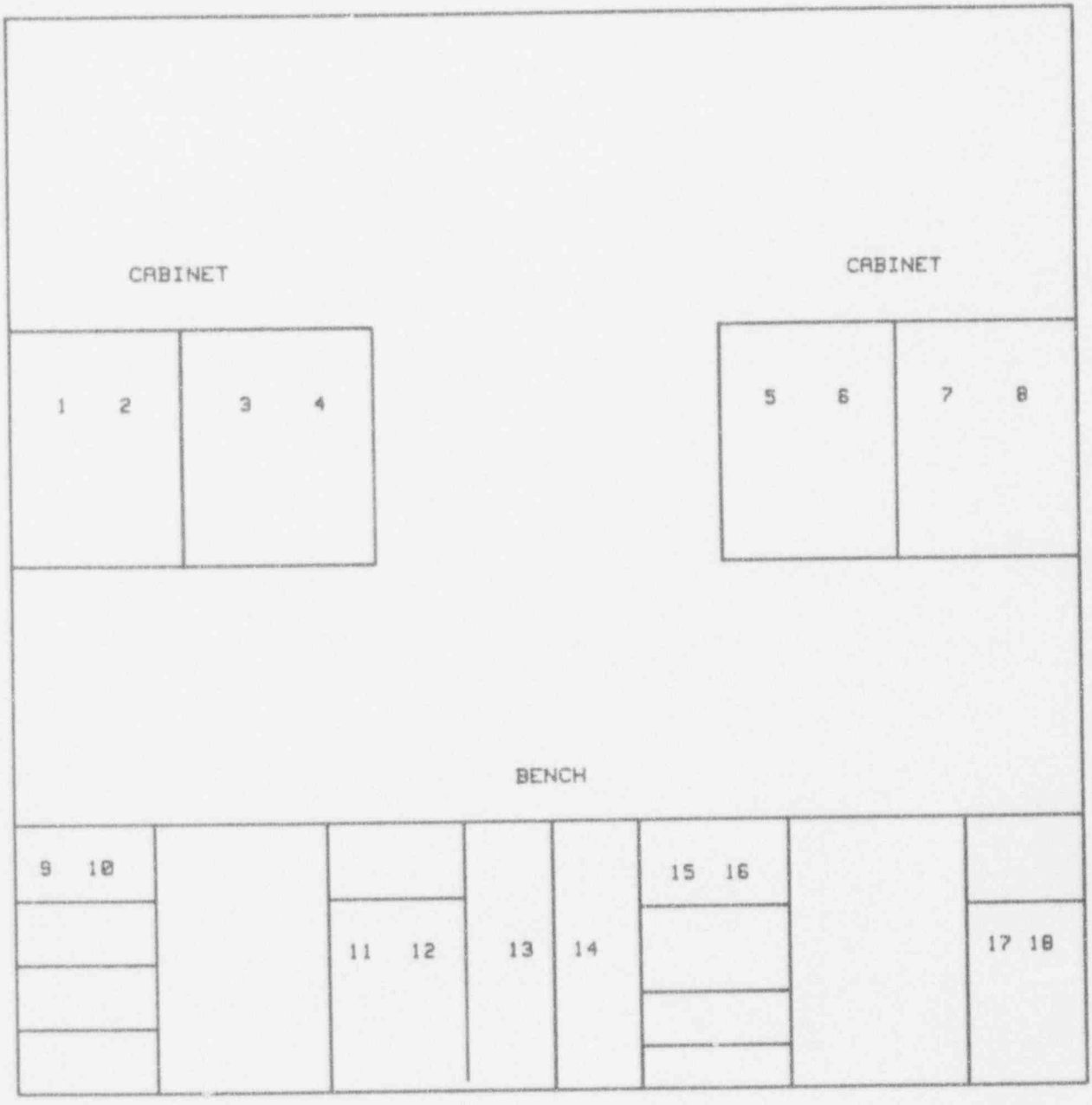
TELEDYNE ISOTOPES

DIAGRAM OF SURVEYED AREA

LOCATION: J-116 VIEW-D

PRINCIPLE OCCUPANTS: _____

ISOTOPE USAGE: _____



TELEDYNE ISOTOPES

SMEAR RESULTS
BY LIQUID SCINTILLATION COUNTING

"INITIAL SURVEY"

LOCATION: J-201 Main View

SMEAR No.	Low Energy Beta Activity dpm/sample	Low Energy Beta Activity dpm/100cm^2
1	<50	<25
2	<50	<25
3	<50	<25
4	<50	<25
5	<50	<25
6	<50	<25
7	<50	<25
8	<50	<25
9	<50	<25
10	<50	<25
11	<50	<25
12	<50	<25
13	<50	<25
14	<50	<25
15	<50	<25
16	<50	<25
17	70 ±7	35
18	<50	<25
19	<50	<25
20	<50	<25
21	<50	<25
22	<50	<25
23	<50	<25
24	<50	<25
25	<50	<25
26	<50	<25

TELEDYNE ISOTOPES

SMEAR RESULTS BY LIQUID SCINTILLATION COUNTING

"POST DECON SURVEY"

LOCATION: J-201 Main View

SMEAR No.	Low Energy Beta Activity dpm/sample	Low Energy Beta Activity dpm/100cm^2
17	<50	<25

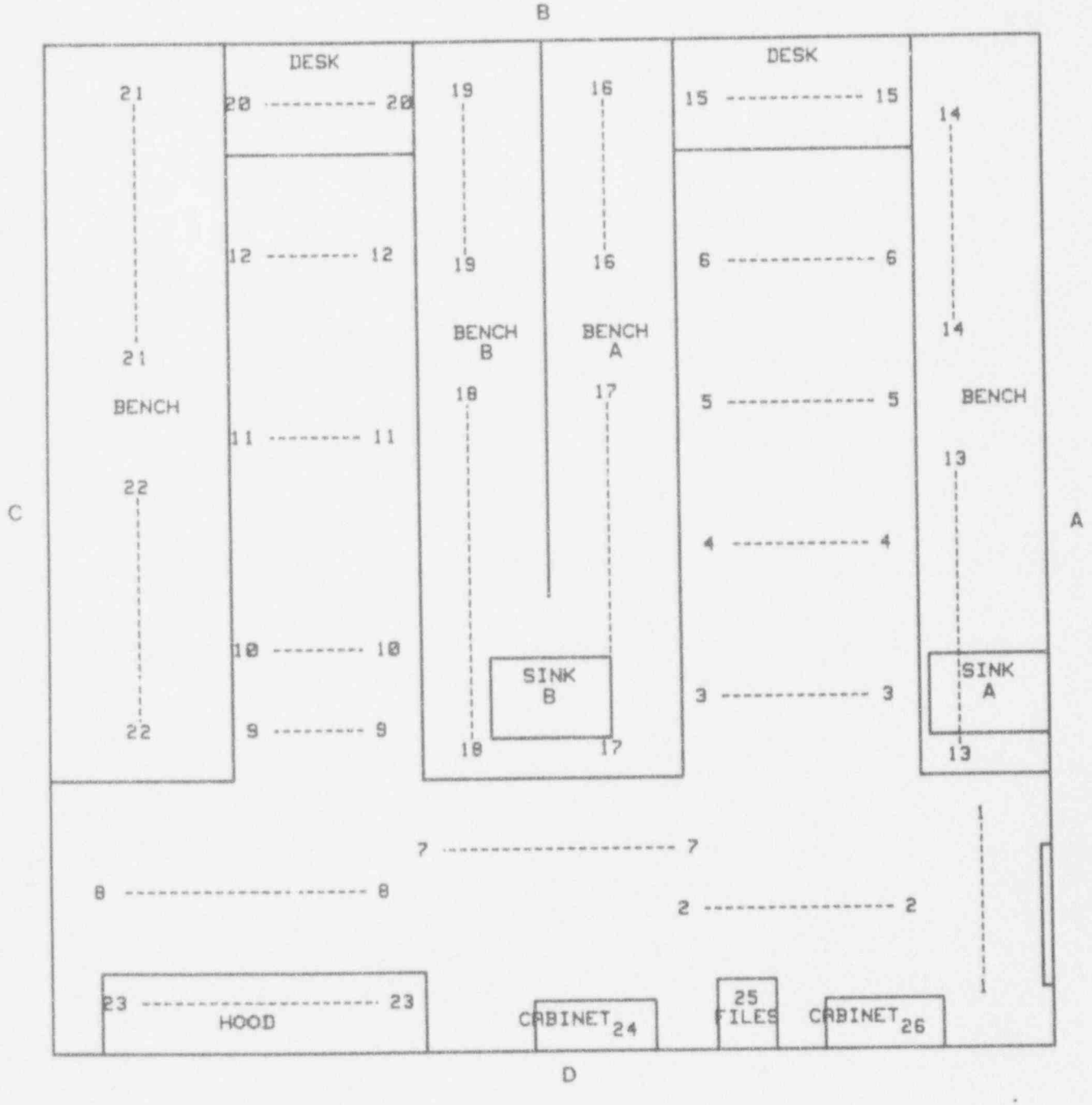
TELEDYNE ISOTOPES

DIAGRAM OF SURVEYED AREA

LOCATION: J-201 MAIN VIEW

PRINCIPLE OCCUPANTS: _____

ISOTOPE USAGE: _____



TELEDYNE ISOTOPES

SMEAR RESULTS BY LIQUID SCINTILLATION COUNTING

LOCATION: J-201 View A

SMEAR No.	Low Energy Beta Activity dpm/sample	Low Energy Beta Activity dpm/100cm^2
1	<50	<25
2	<50	<25
3	<50	<25
4	<50	<25
5	<50	<25
6	<50	<25
7	<50	<25
8	<50	<25
9	<50	<25
10	<50	<25

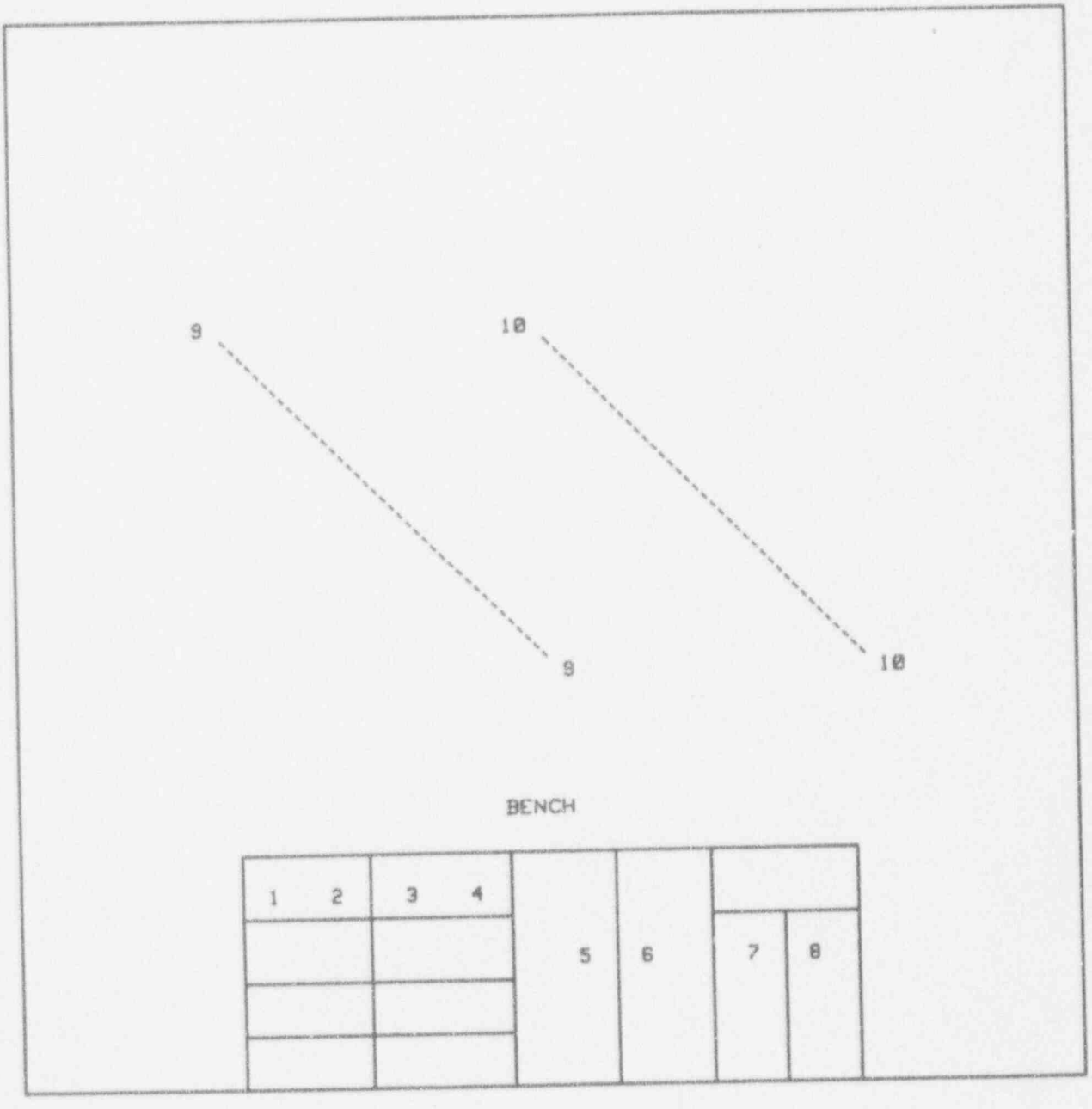
TELEDYNE ISOTOPES

DIAGRAM OF SURVEYED AREA

LOCATION: J-201 VIEW-A

PRINCIPLE OCCUPANTS: _____

ISOTOPE USAGE: _____



TELEDYNE ISOTOPES

SMEAR RESULTS BY LIQUID SCINTILLATION COUNTING

LOCATION: J-201 View B

SMEAR No.	Low Energy Beta Activity dpm/sample	Low Energy Beta Activity dpm/100cm^2
1	<50	<25
2	<50	<25
3	<50	<25
4	<50	<25
5	<50	<25
6	<50	<25
7	<50	<25
8	<50	<25
9	<50	<25
10	<50	<25

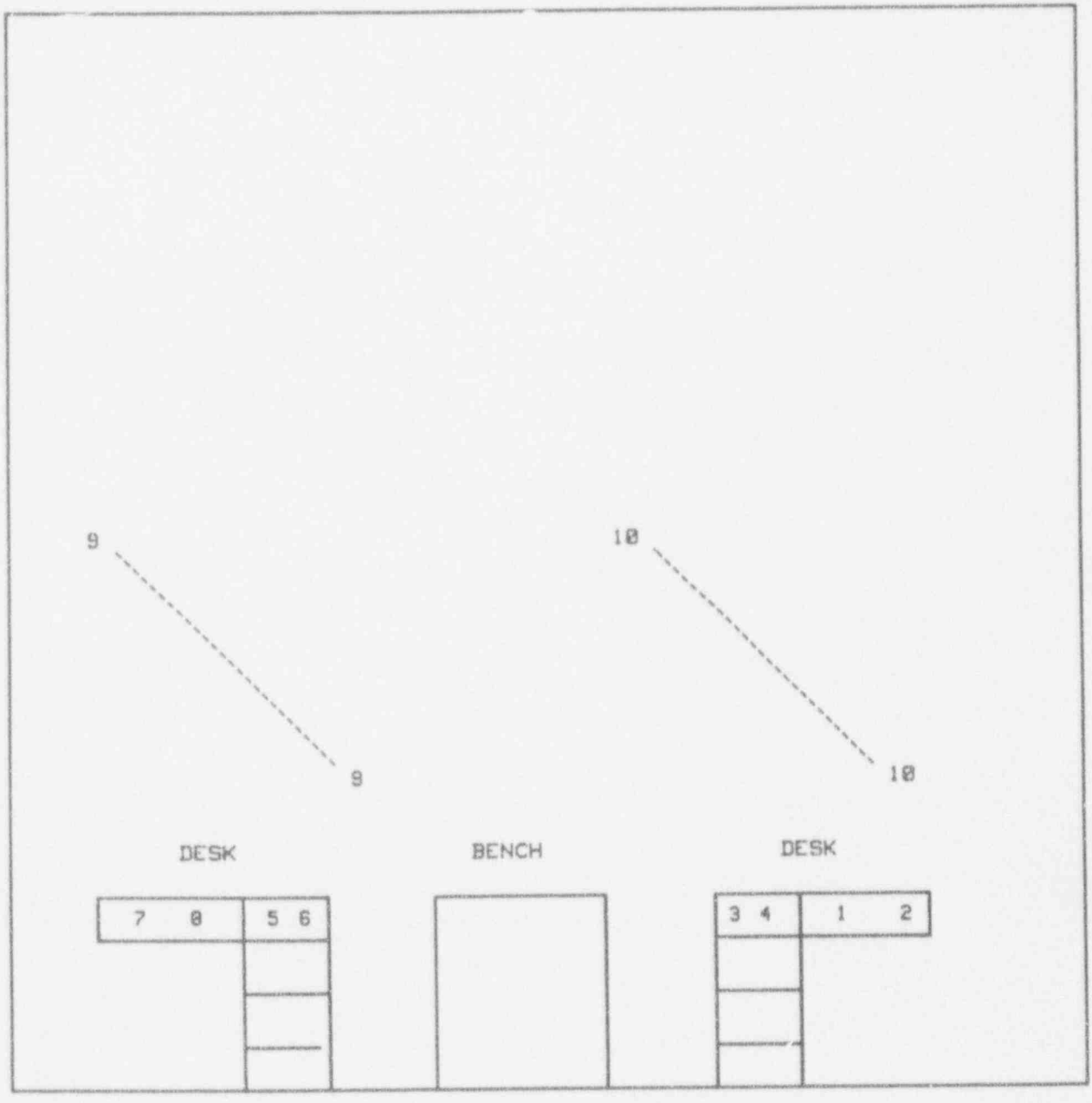
TELEDYNE ISOTOPES

DIAGRAM OF SURVEYED AREA

LOCATION: J-201 VIEW-B

PRINCIPLE OCCUPANTS: _____

ISOTOPE USAGE: _____



TELEDYNE ISOTOPES

SMEAR RESULTS
BY LIQUID SCINTILLATION
COUNTING

LOCATION: J-201 View C

SMEAR No.	Low Energy Beta Activity dpm/sample	Low Energy Beta Activity dpm/100cm^2
1	<50	<25
2	<50	<25
3	<50	<25
4	<50	<25
5	<50	<25
6	<50	<25
7	<50	<25

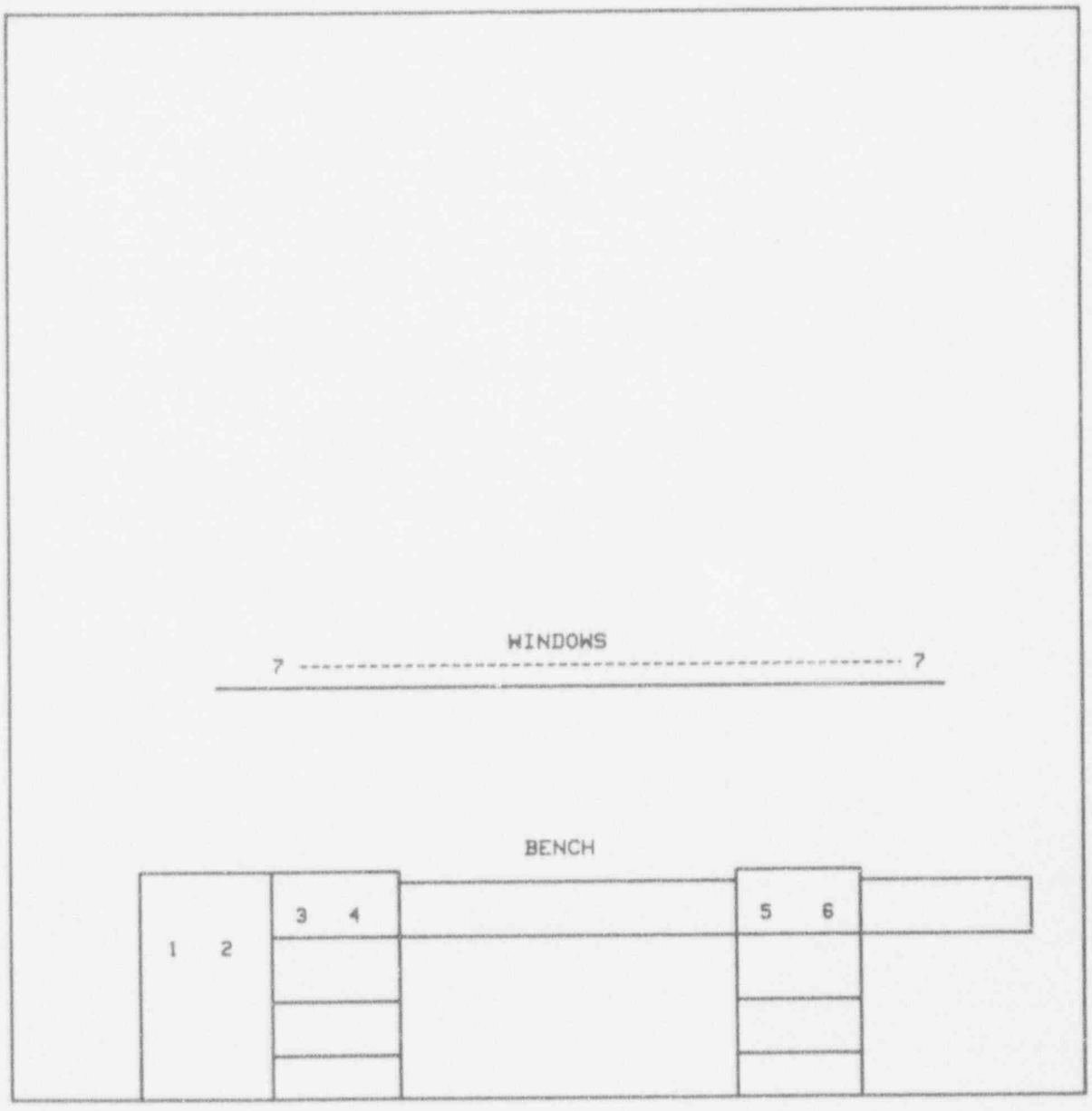
TELEDYNE ISOTOPES

DIAGRAM OF SURVEYED AREA

LOCATION: J-201 VIEW-C

PRINCIPLE OCCUPANTS: _____

ISOTOPE USAGE: _____



TELEDYNE ISOTOPES

SMEAR RESULTS BY LIQUID SCINTILLATION COUNTING

LOCATION: J-201 Island A

SMEAR No.	Low Energy Beta Activity dpm/sample	Low Energy Beta Activity dpm/100cm^2
1	<50	<25
2	<50	<25
3	<50	<25
4	<50	<25
5	<50	<25
6	<50	<25
7	<50	<25
8	<50	<25
9	<50	<25
10	<50	<25
11	<50	<25
12	<50	<25
13	<50	<25
14	<50	<25

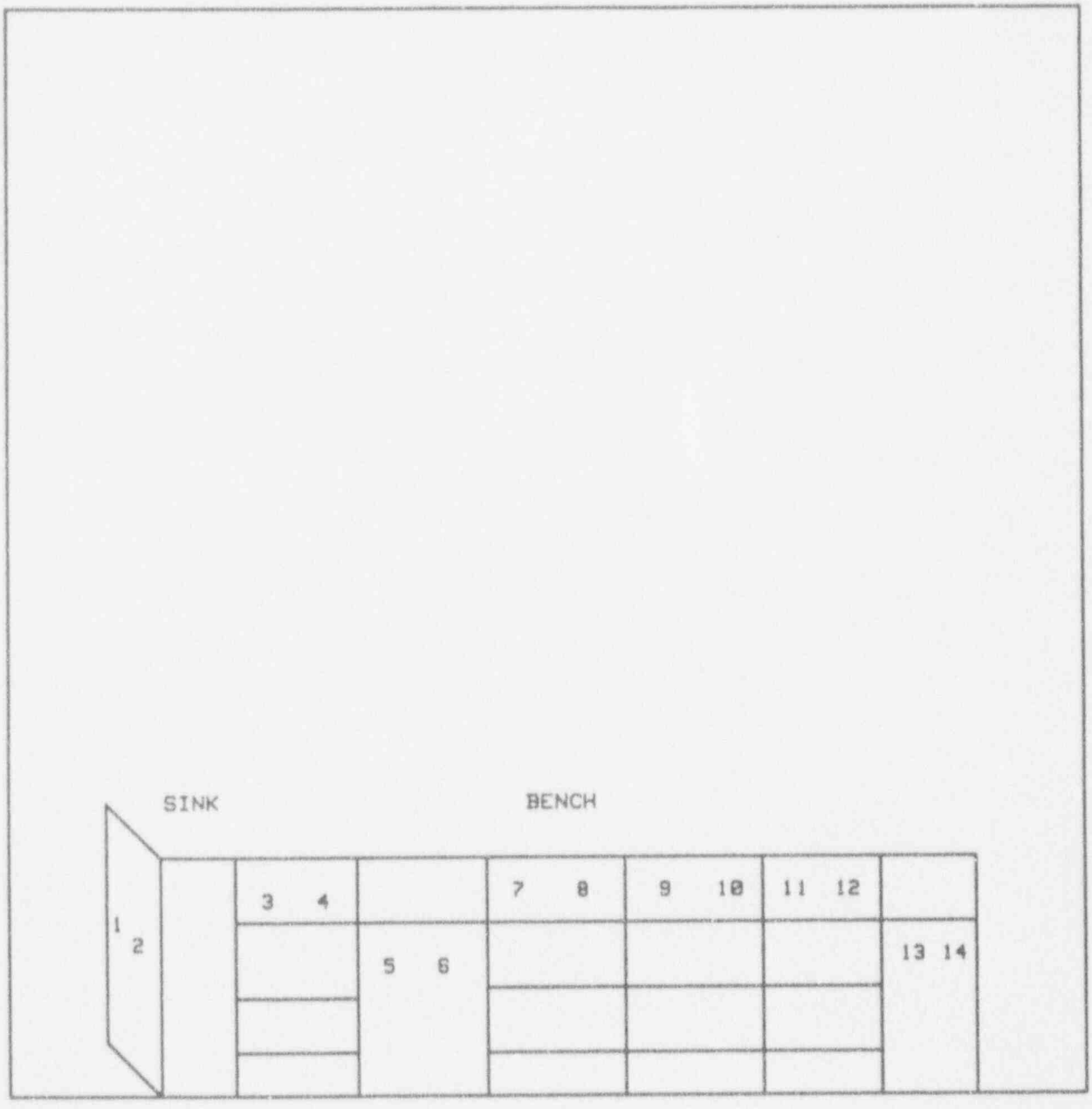
TELEDYNE ISOTOPES

DIAGRAM OF SURVEYED AREA

LOCATION: J-201 ISLAND-A

PRINCIPLE OCCUPANTS: _____

ISOTOPE USAGE: _____



TELEDYNE ISOTOPES

SMEAR RESULTS BY LIQUID SCINTILLATION COUNTING

LOCATION: J-201 Island B

SMEAR No.	Low Energy Beta Activity dpm/sample	Low Energy Beta Activity dpm/100cm^2
1	<50	<25
2	<50	<25
3	<50	<25
4	<50	<25
5	<50	<25
6	<50	<25
7	<50	<25
8	<50	<25
9	<50	<25
10	<50	<25
11	<50	<25
12	<50	<25
13	<50	<25
14	<50	<25

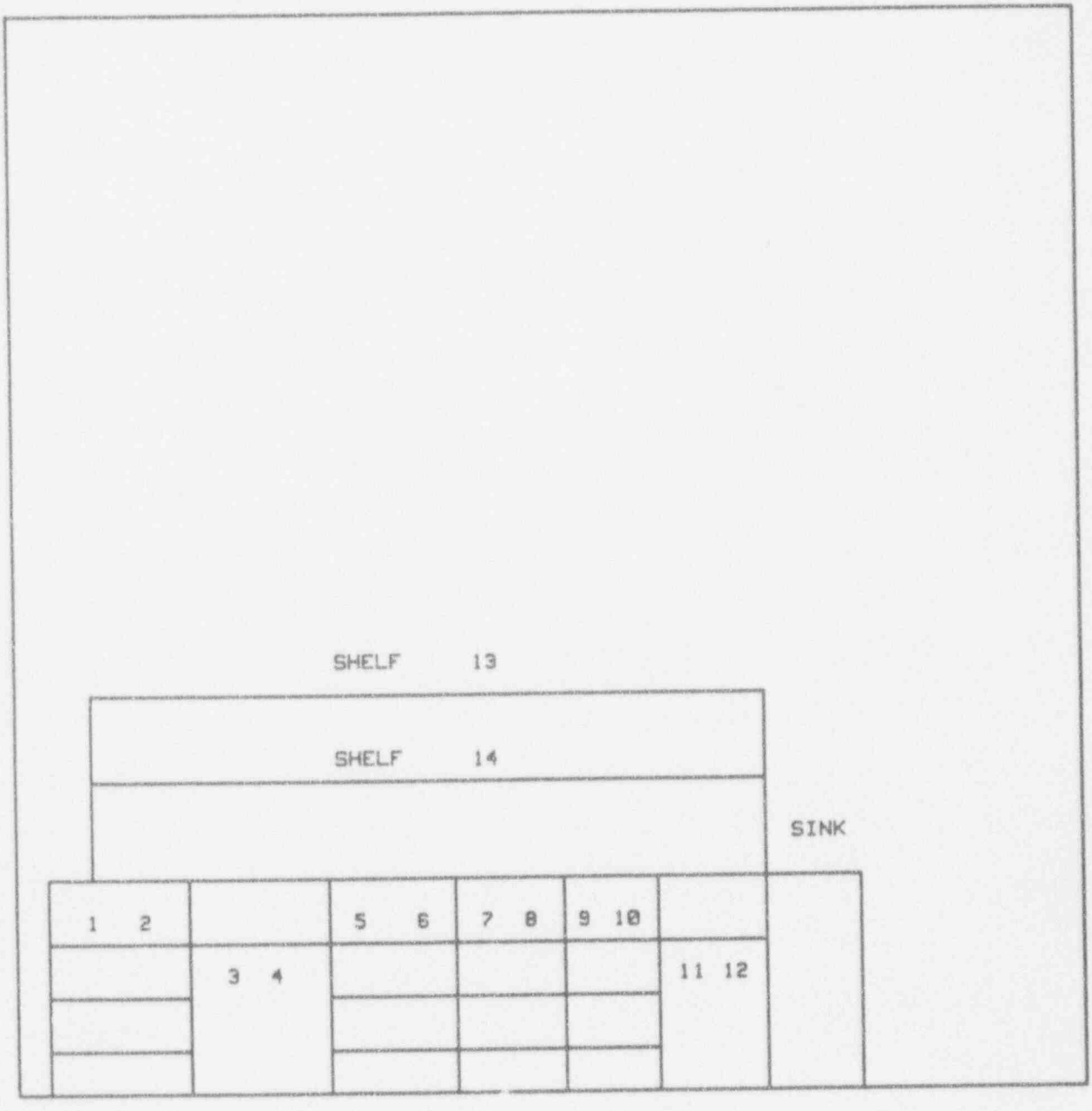
TELEDYNE ISOTOPES

DIAGRAM OF SURVEYED AREA

LOCATION: J-201 ISLAND-B

PRINCIPLE OCCUPANTS: _____

ISOTOPE USAGE: _____



TELEDYNE ISOTOPES

SMEAR RESULTS BY LIQUID SCINTILLATION COUNTING

LOCATION: J-201 Hood #1

SMEAR No.	Low Energy Beta Activity dpm/sample	Low Energy Beta Activity dpm/100cm^2
1	<50	<25
2	<50	<25
3	<50	<25
4	<50	<25
5	<50	<25
6	<50	<25
7	<50	<25
8	<50	<25
9	<50	<25
10	<50	<25

TELEDYNE ISOTOPES

SMEAR RESULTS BY LIQUID SCINTILLATION COUNTING

LOCATION: J-202 Main View

SMEAR No.	Low Energy Beta Activity dpm/sample	Low Energy Beta Activity dpm/100cm^2
1	<50	<25
2	<50	<25
3	<50	<25
4	<50	<25
5	<50	<25
6	<50	<25
7	<50	<25
8	<50	<25
9	<50	<25
10	<50	<25
11	<50	<25
12	<50	<25
13	<50	<25
14	<50	<25
15	<50	<25
16	<50	<25
17	<50	<25
18	<50	<25
19	<50	<25
20	<50	<25
21	<50	<25
22	<50	<25
23	<50	<25
24	<50	<25
25	<50	<25
26	<50	<25

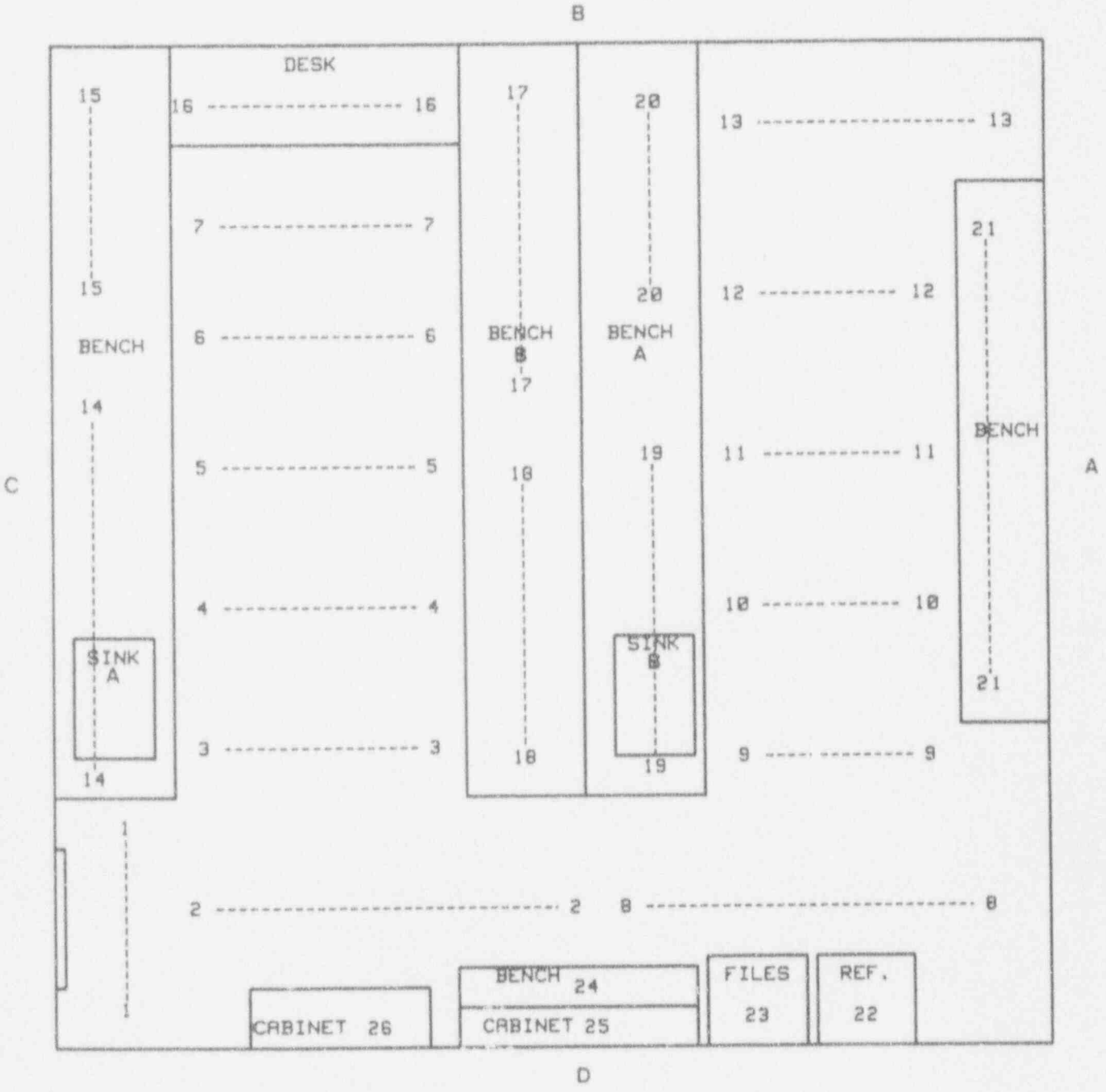
TELEDYNE ISOTOPES

DIAGRAM OF SURVEYED AREA

LOCATION: J-202 MAIN VIEW

PRINCIPLE OCCUPANTS: _____

ISOTOPE USAGE: _____



TELEDYNE ISOTOPES

SMEAR RESULTS BY LIQUID SCINTILLATION COUNTING

LOCATION: J-202 View A

SMEAR No.	Low Energy Beta Activity dpm/sample	Low Energy Beta Activity dpm/100cm^2
1	<50	<25
2	<50	<25
3	<50	<25
4	<50	<25
5	<50	<25
6	<50	<25
7	<50	<25
8	<50	<25
9	<50	<25
10	<50	<25
11	<50	<25

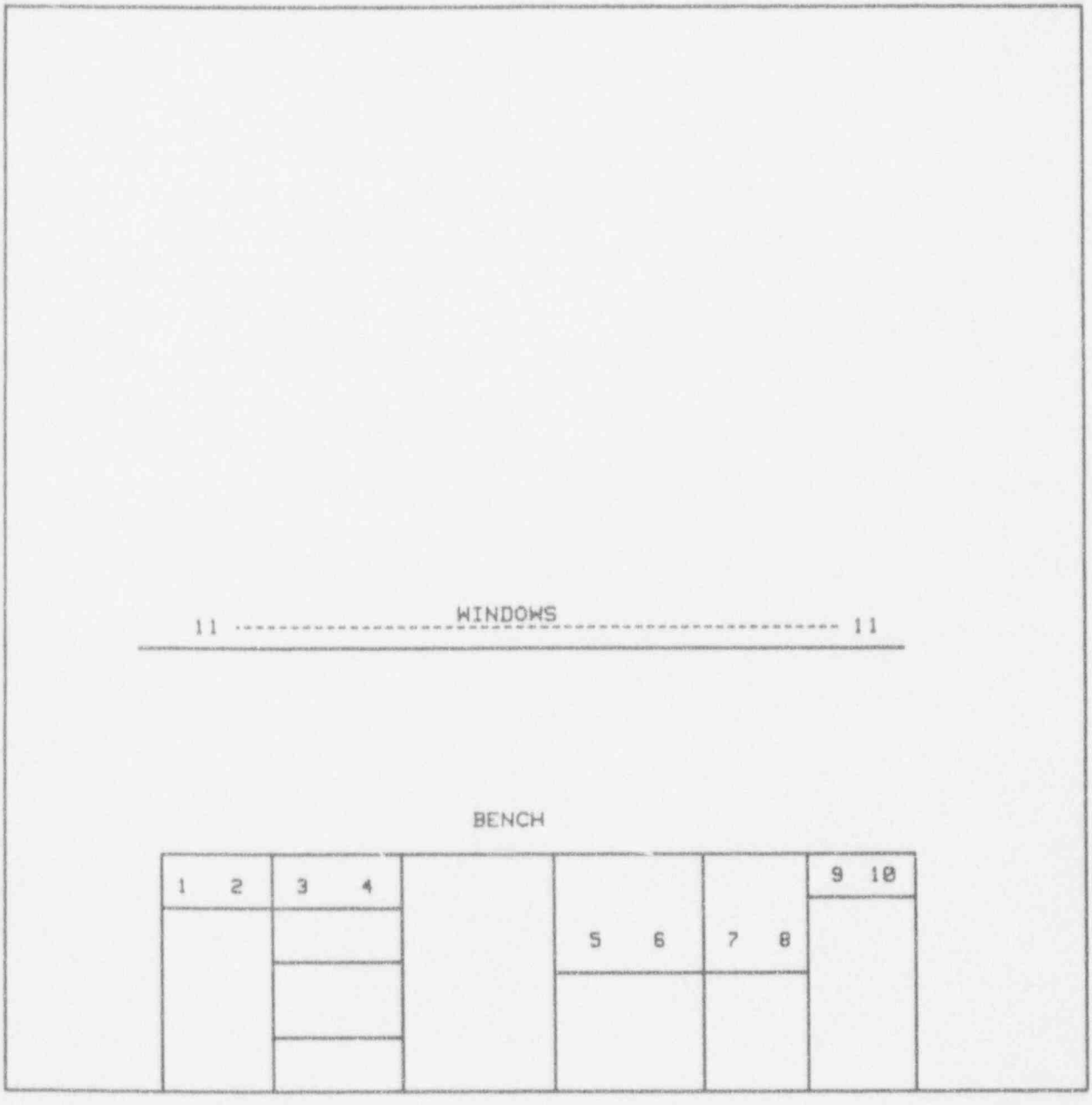
TELEDYNE ISOTOPES

DIAGRAM OF SURVEYED AREA

LOCATION: J-202 VIEW-A

PRINCIPLE OCCUPANTS: _____

ISOTOPE USAGE: _____



TELEDYNE ISOTOPES

SMEAR RESULTS BY LIQUID SCINTILLATION COUNTING

LOCATION: J-202 View B

SMEAR No.	Low Energy Beta Activity dpm/sample	Low Energy Beta Activity dpm/100cm^2
1	<50	<25
2	<50	<25
3	<50	<25
4	<50	<25
5	<50	<25
6	<50	<25
7	<50	<25
8	<50	<25

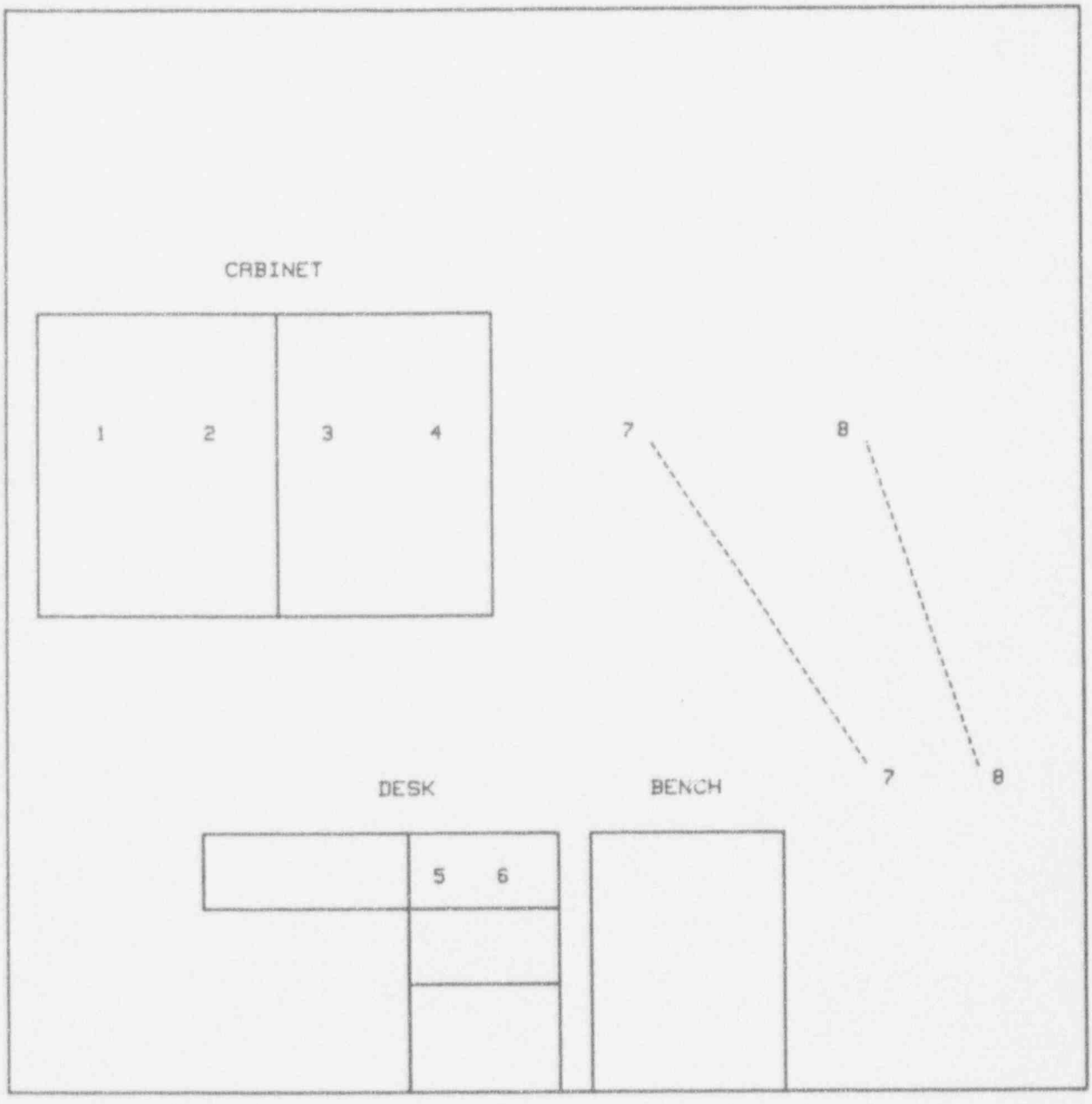
TELEDYNE ISOTOPES

DIAGRAM OF SURVEYED AREA

LOCATION: J-202 VIEW-B

PRINCIPLE OCCUPANTS: _____

ISOTOPE USAGE: _____



TELEDYNE ISOTOPES

SME R RESULTS
BY LIQUID SCINTILLATION
COUNTING

"INITIAL SURVEY"

LOCATION: J-202 View C

SMEAR No.	Low Energy Beta Activity dpm/sample	Low Energy Beta Activity dpm/100cm^2
1	<50	<25
2	283 ±28	142
3	<50	<25
4	<50	<25
5	<50	<25
6	<50	<25
7	<50	<25
8	<50	<25
9	<50	<25
10	<50	<25
11	<50	<25
12	<50	<25
13	<50	<25
14	<50	<25
15	<50	<25

TELEDYNE ISOTOPES

SMEAR RESULTS
BY LIQUID SCINTILLATION
COUNTING

"POST DECON SURVEY"

LOCATION: J-202 View C

SMEAR No.	Low Energy Beta Activity dpm/sample	Low Energy Beta Activity dpm/100cm^2
2	<50	<25

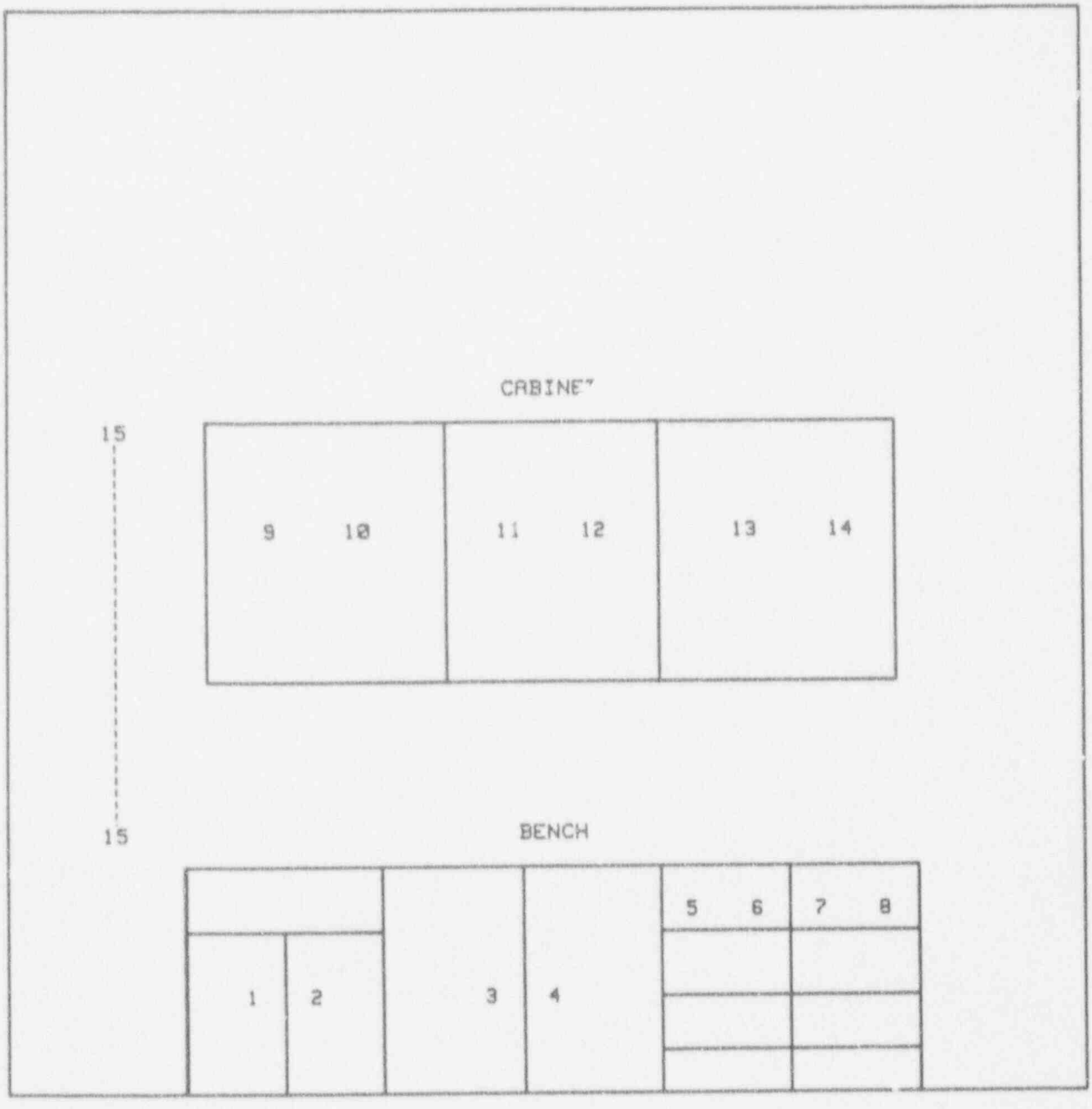
TELEDYNE ISOTOPES

DIAGRAM OF SURVEYED AREA

LOCATION: J-202 VIEW-C

PRINCIPLE OCCUPANTS: _____

ISOTOPE USAGE: _____



TELEDYNE ISOTOPES

SMEAR RESULTS BY LIQUID SCINTILLATION COUNTING

LOCATION: J-202 View D

SMEAR No.	Low Energy Beta Activity dpm/sample	Low Energy Beta Activity dpm/100cm^2
1	<50	<25
2	<50	<25
3	<50	<25
4	<50	<25
5	<50	<25
6	<50	<25
7	<50	<25
8	<50	<25
9	<50	<25
10	<50	<25
11	<50	<25
12	<50	<25
13	<50	<25
14	<50	<25
15	<50	<25
16	<50	<25
17	<50	<25
18	<50	<25
19	<50	<25
20	<50	<25

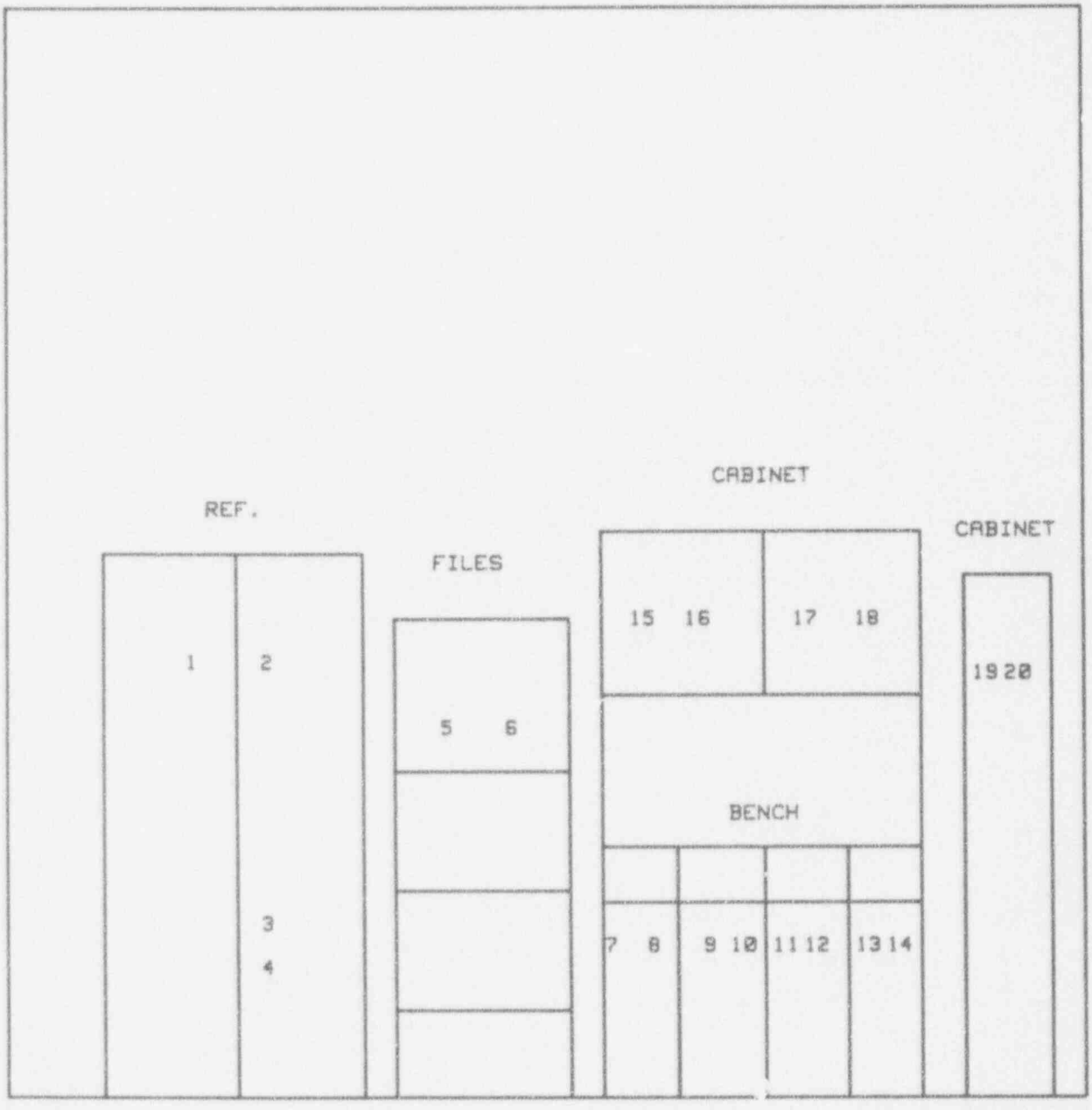
TELEDYNE ISOTOPES

DIAGRAM OF SURVEYED AREA

LOCATION: J-202 VIEW-D

PRINCIPLE OCCUPANTS: _____

ISOTOPE USAGE: _____



TELEDYNE ISOTOPES

SMEAR RESULTS BY LIQUID SCINTILLATION COUNTING

LOCATION: J-202 Island A

SMEAR No.	Low Energy Beta Activity dpm/sample	Low Energy Beta Activity dpm/100cm^2
1	<50	<25
2	<50	<25
3	<50	<25
4	<50	<25
5	<50	<25
6	<50	<25
7	<50	<25
8	<50	<25
9	<50	<25
10	<50	<25
11	<50	<25
12	<50	<25

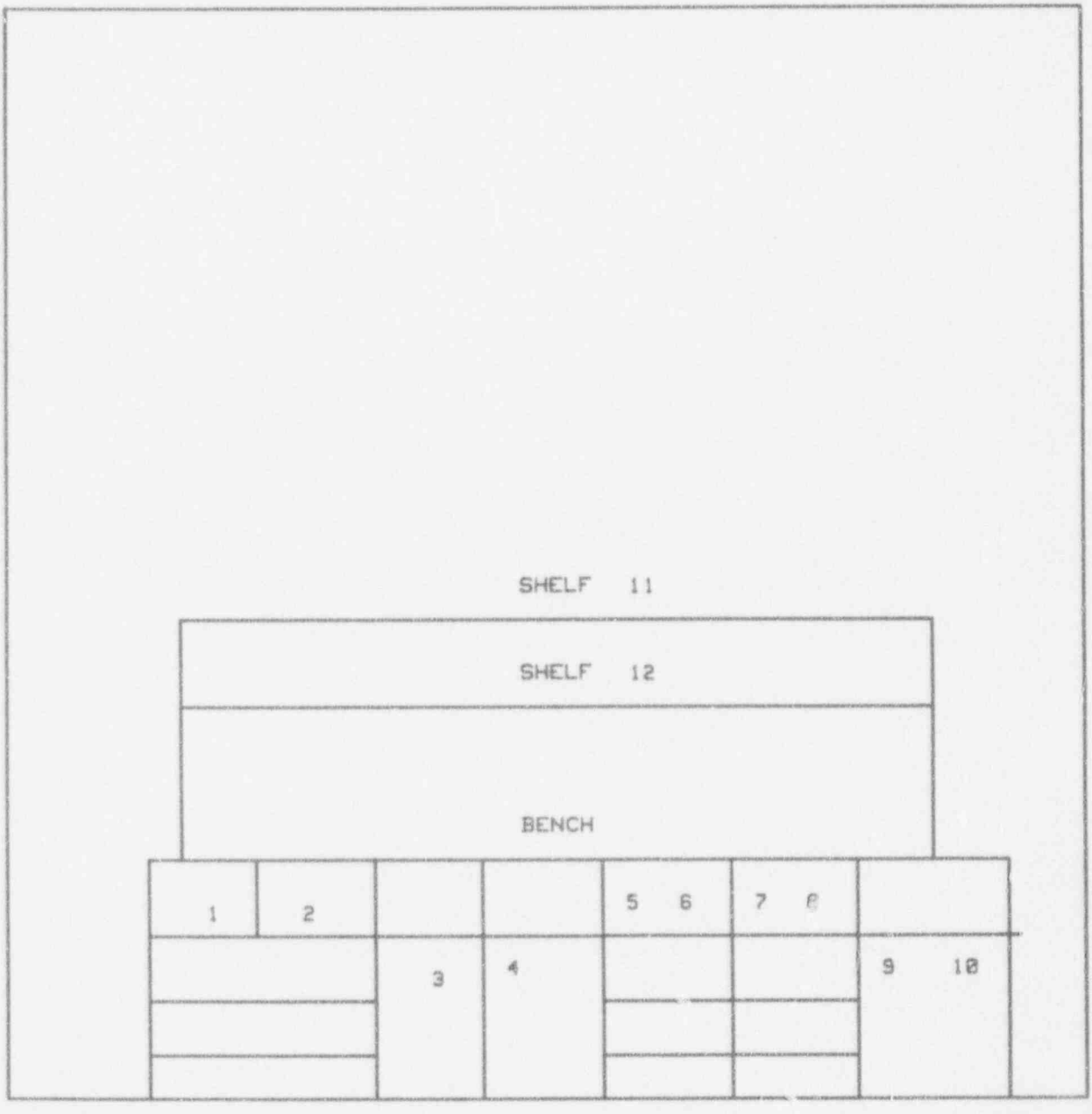
TELEDYNE ISOTOPES

DIAGRAM OF SURVEYED AREA

LOCATION: J-202 ISLAND-A

PRINCIPLE OCCUPANTS: _____

ISOTOPE USAGE: _____



TELEDYNE ISOTOPES

SMEAR RESULTS BY LIQUID SCINTILLATION COUNTING

LOCATION: J-202 Island B

SMEAR No.	Low Energy Beta Activity dpm/sample	Low Energy Beta Activity dpm/100cm^2
1	<50	<25
2	<50	<25
3	<50	<25
4	<50	<25
5	<50	<25
6	<50	<25
7	<50	<25
8	<50	<25

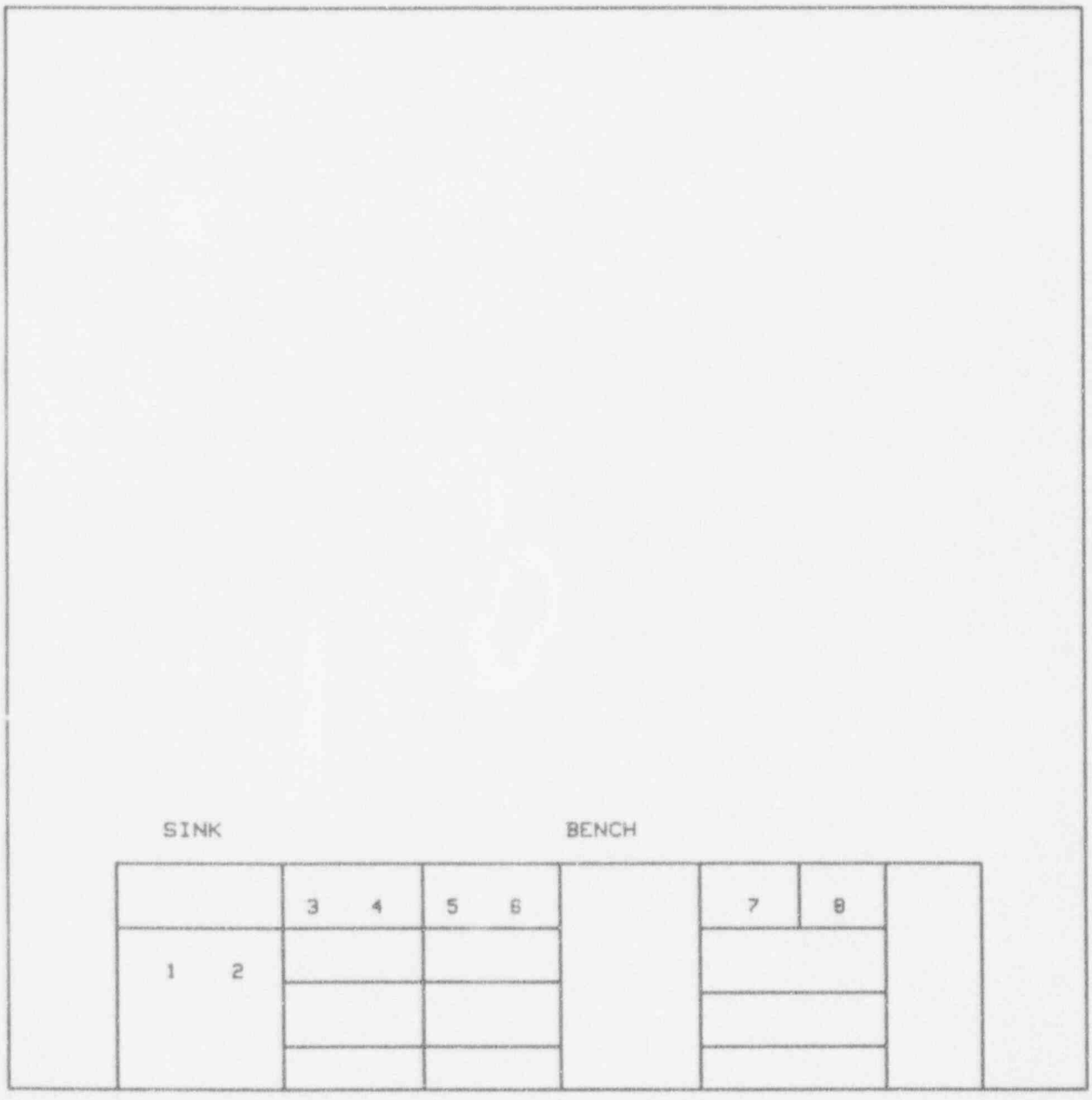
TELEDYNE ISOTOPES

DIAGRAM OF SURVEYED AREA

LOCATION: J-202 ISLAND-B

PRINCIPLE OCCUPANTS: _____

ISOTOPE USAGE: _____



TELEDYNE ISOTOPES

SMEAR RESULTS
BY LIQUID SCINTILLATION
COUNTING

"INITIAL SURVEY"

LOCATION: J-203A Main View

SMEAR No.	Low Energy Beta Activity dpm/sample	Low Energy Beta Activity dpm/100cm^2
1	<50	<25
2	<50	<25
3	<50	<25
4	<50	<25
5	915 ±92	458

TELEDYNE ISOTOPES

SMEAR RESULTS BY LIQUID SCINTILLATION COUNTING

LOCATION: J-203A Main View

SMEAR No.	Low Energy Beta Activity dpm/sample	Low Energy Beta Activity dpm/100cm^2
5	<50	<25

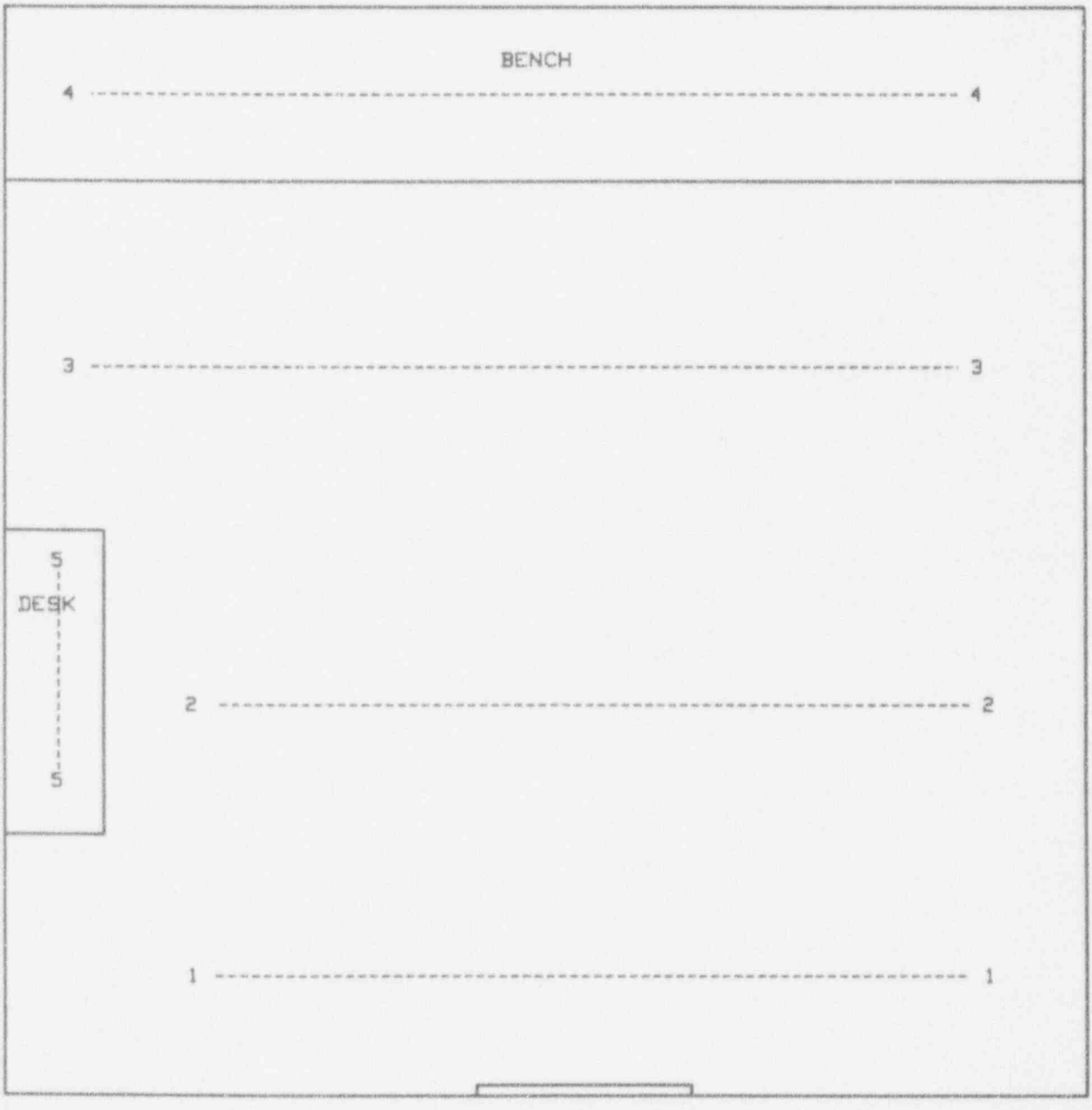
TELEDYNE ISOTOPES

DIAGRAM OF SURVEYED AREA

LOCATION: J-203-A MAIN VIEW

PRINCIPLE OCCUPANTS: _____

ISOTOPE USAGE: _____



TELEDYNE ISOTOPES

SMEAR RESULTS
BY LIQUID SCINTILLATION COUNTING "INITIAL SURVEY"

LOCATION: J-203 Main View

SMEAR No.	Low Energy Beta Activity dpm/sample	Low Energy Beta Activity dpm/100cm^2
1	1746 ±175	873
2	99 ±10	50
3	<50	<25
4	<50	<25
5	<50	<25
6	<50	<25
7	<50	<25
8	<50	<25
9	<50	<25
10	<50	<25
11	132 ±13	66
12	<50	<25
13	60 ±6	30
14	<50	<25
15	<50	<25
16	70 ±7	35
17	<50	<25
18	<50	<25
19	<50	<25
20	<50	<25
21	<50	<25
22	87 ±9	44
23	862 ±86	431

TELEDYNE ISOTOPES

SMEAR RESULTS
BY LIQUID SCINTILLATION
COUNTING

"POST DECON SURVEY"

LOCATION: J-203 Main View

SMEAR No.	Low Energy Beta Activity dpm/sample	Low Energy Beta Activity dpm/100cm^2
1	<50	<25
2	<50	<25
11	<50	<25
13	<50	<25
16	<50	<25
22	315 ±32	158
23	72 ±7	36

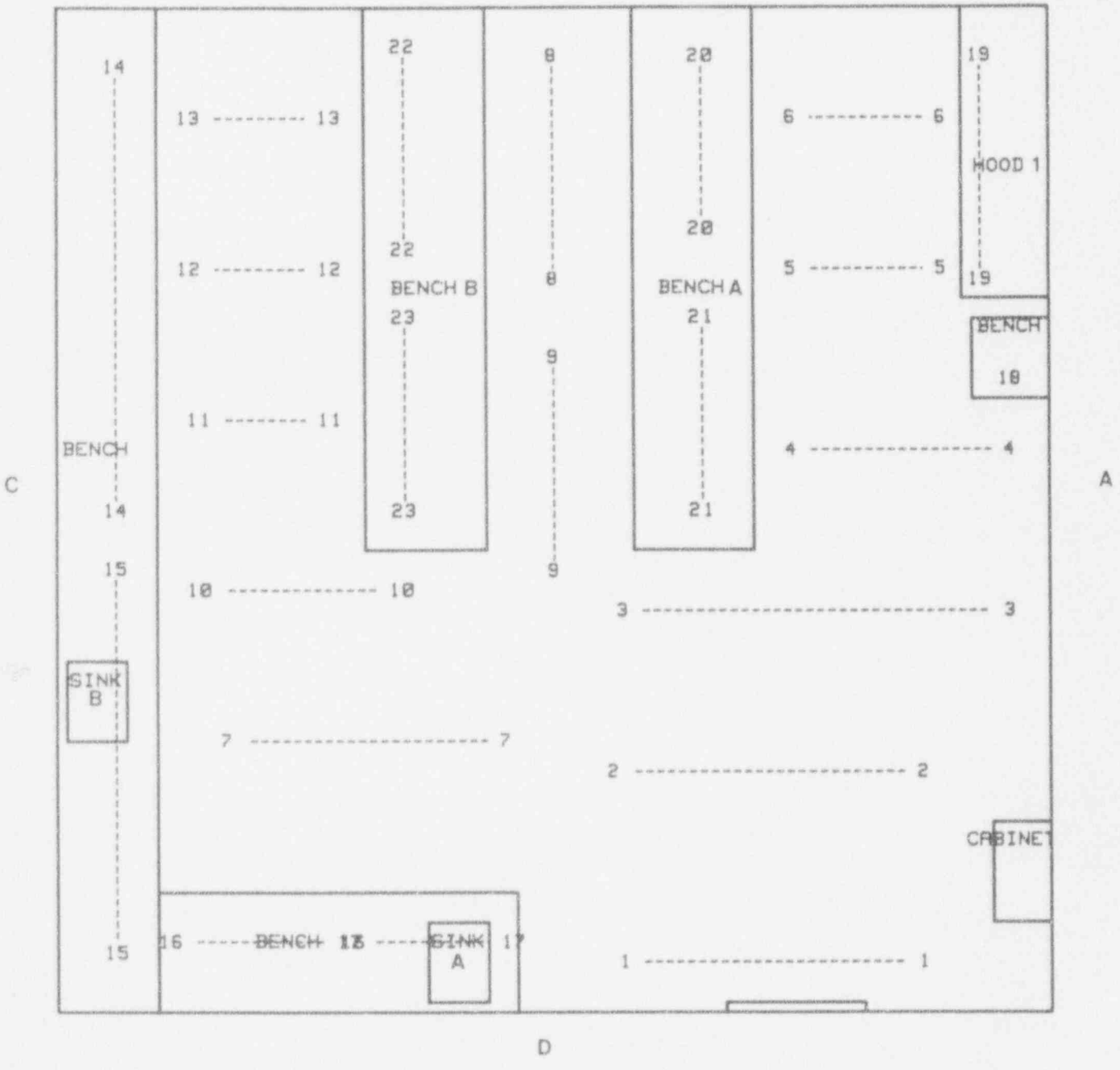
TELEDYNE ISOTOPES

DIAGRAM OF SURVEYED AREA

LOCATION: J-203 MAIN VIEW

PRINCIPLE OCCUPANTS: _____

ISOTOPE USAGE: _____



TELEDYNE ISOTOPES

SMEAR RESULTS
BY LIQUID SCINTILLATION
COUNTING

LOCATION: J-203 View A

SMEAR No.	Low Energy Beta Activity dpm/sample	Low Energy Beta Activity dpm/100cm^2
1	<50	<25
2	<50	<25
3	<50	<25
4	<50	<25
5	<50	<25
6	<50	<25
7	<50	<25

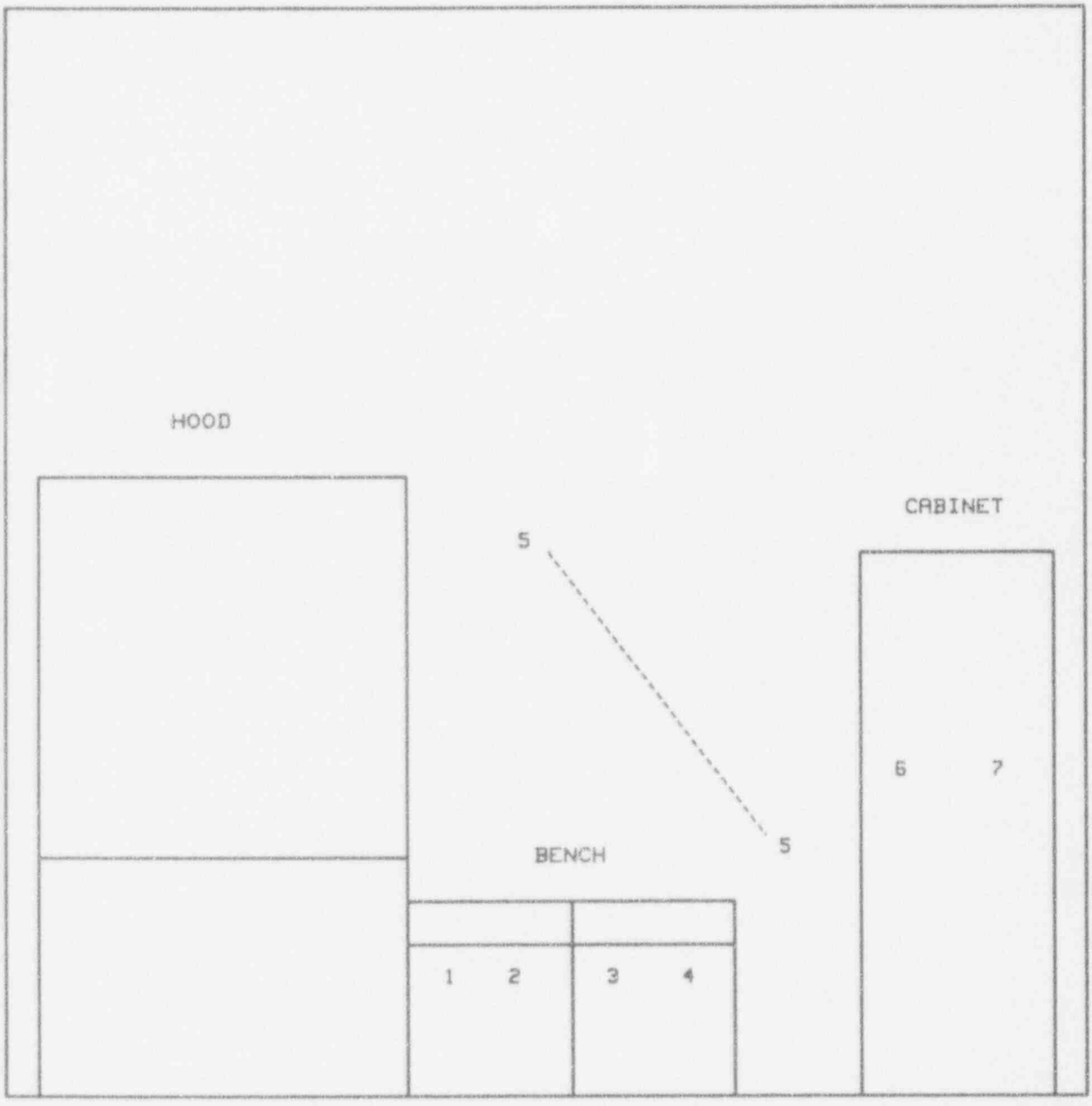
TELEDYNE ISOTOPES

DIAGRAM OF SURVEYED AREA

LOCATION: J-203 VIEW-A

PRINCIPLE OCCUPANTS: _____

ISOTOPE USAGE: _____



TELEDYNE ISOTOPES

SMEAR RESULTS BY LIQUID SCINTILLATION COUNTING

LOCATION: J-203 View C

SMEAR No.	Low Energy Beta Activity dpm/sample	Low Energy Beta Activity dpm/100cm^2
1	<50	<25
2	<50	<25
3	<50	<25
4	<50	<25
5	<50	<25
6	<50	<25
7	<50	<25
8	<50	<25
9	<50	<25
10	<50	<25
11	<50	<25
12	<50	<25
13	<50	<25

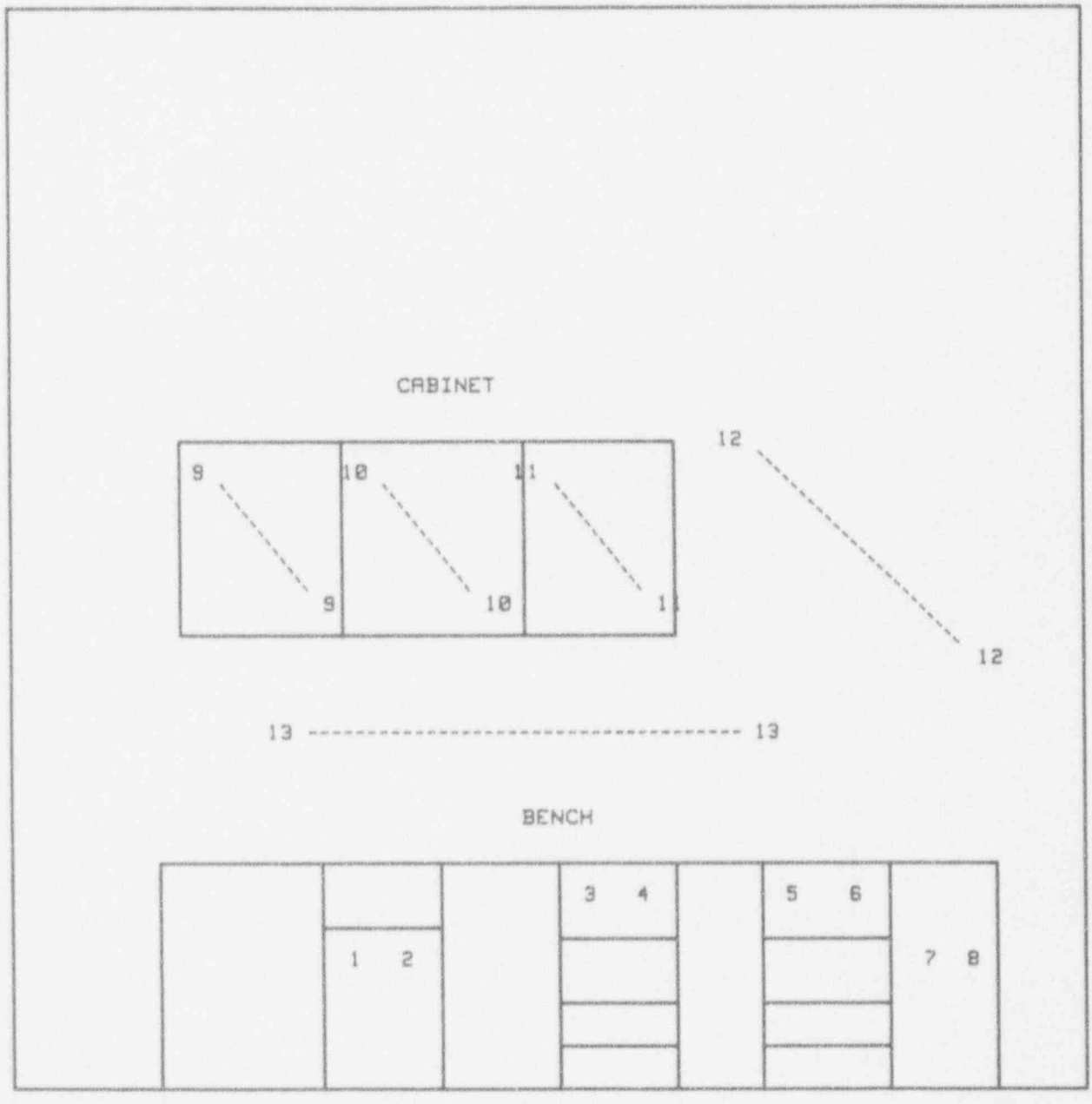
TELEDYNE ISOTOPES

DIAGRAM OF SURVEYED AREA

LOCATION: J-203 VIEW-C

PRINCIPLE OCCUPANTS: _____

ISOTOPE USAGE: _____



TELEDYNE ISOTOPES

SMEAR RESULTS BY LIQUID SCINTILLATION COUNTING

LOCATION: J-203 View D

SMEAR No.	Low Energy Beta Activity dpm/sample	Low Energy Beta Activity dpm/100cm^2
1	<50	<25
2	<50	<25
3	<50	<25
4	<50	<25
5	<50	<25
6	<50	<25
7	<50	<25
8	<50	<25
9	<50	<25
10	<50	<25
11	<50	<25
12	<50	<25

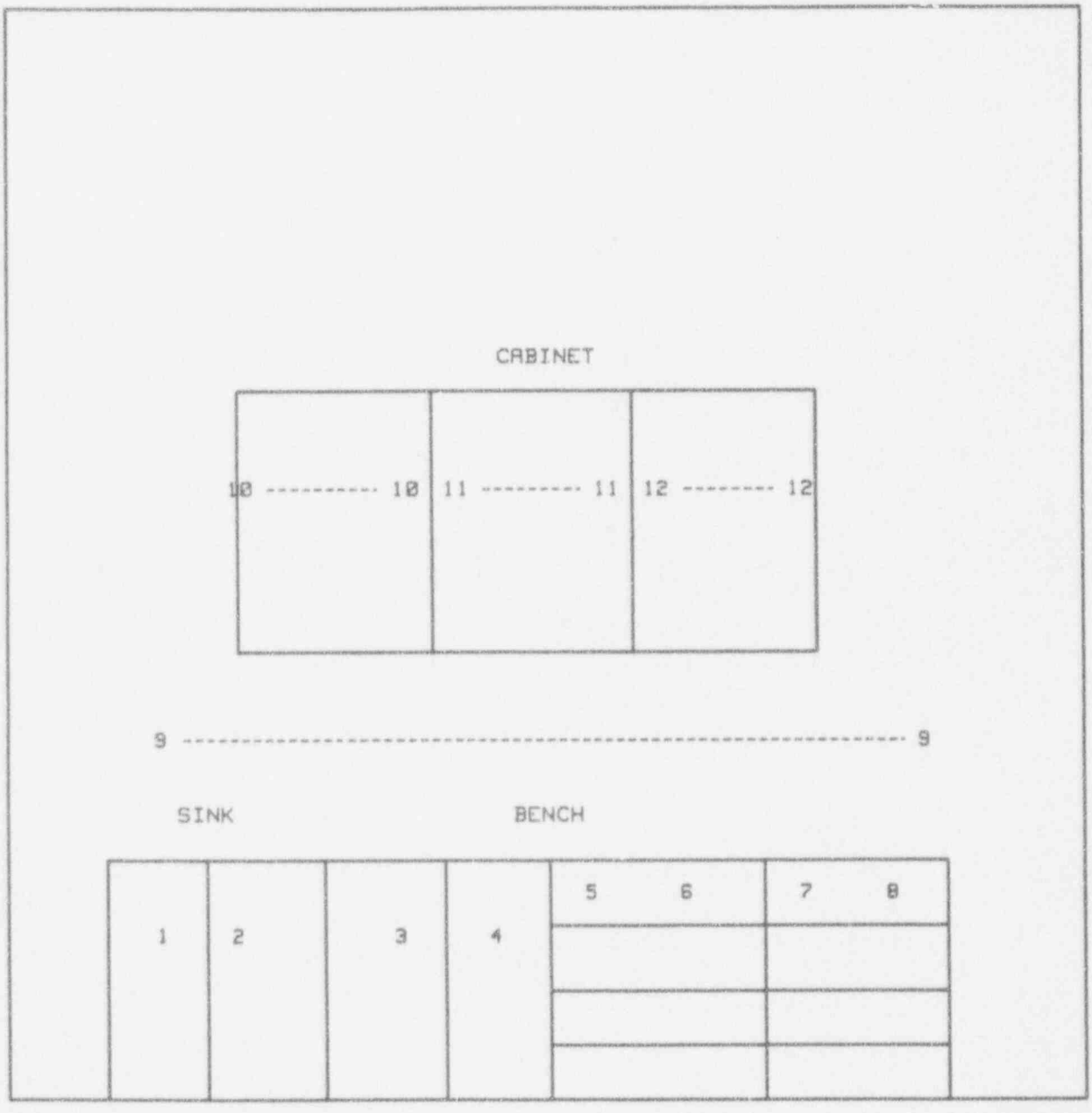
TELEDYNE ISOTOPES

DIAGRAM OF SURVEYED AREA

LOCATION: J-203 VIEW-D

PRINCIPLE OCCUPANTS: _____

ISOTOPE USAGE: _____



TELEDYNE ISOTOPES

SMEAR RESULTS BY LIQUID SCINTILLATION COUNTING

LOCATION: J-203 Island A

SMEAR No.	Low Energy Beta Activity dpm/sample	Low Energy Beta Activity dpm/100cm^2
1	<50	<25
2	<50	<25
3	<50	<25
4	<50	<25
5	<50	<25
6	<50	<25
7	<50	<25
8	<50	<25
9	<50	<25
10	<50	<25
11	<50	<25
12	<50	<25
13	<50	<25
14	<50	<25
15	<50	<25
16	<50	<25

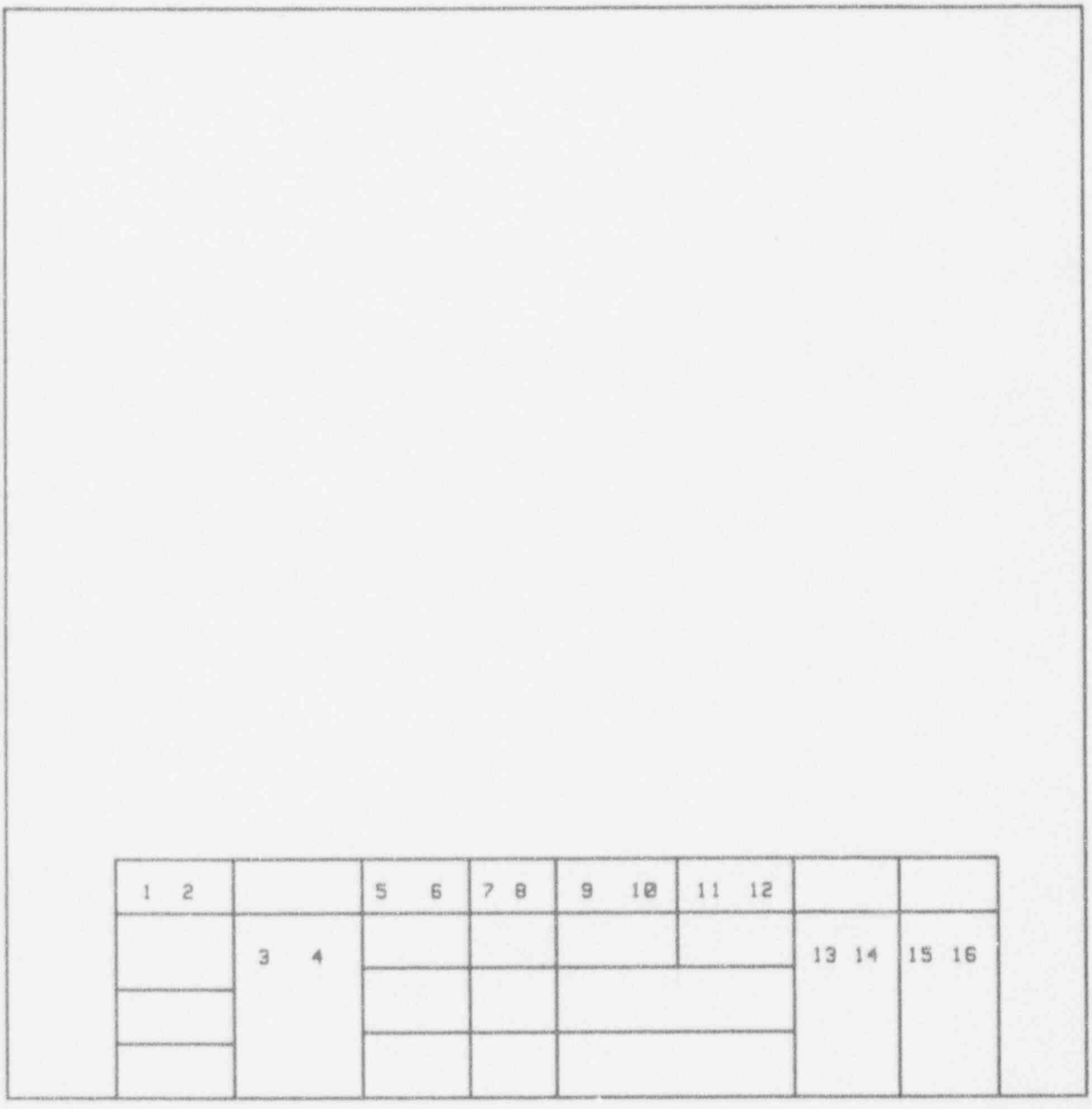
TELEDYNE ISOTOPES

DIAGRAM OF SURVEYED AREA

LOCATION: J-203 ISLAND-A

PRINCIPLE OCCUPANTS: _____

ISOTOPE USAGE: _____



TELEDYNE ISOTOPES

SMEAR RESULTS
BY LIQUID SCINTILLATION COUNTING "INITIAL SURVEY"

LOCATION: J-203 Island B

SMEAR No.	Low Energy Beta Activity dpm/sample	Low Energy Beta Activity dpm/100cm^2
1	1219 ±122	610
2	<50	<25
3	<50	<25
4	<50	<25
5	<50	<25
6	<50	<25
7	<50	<25
8	<50	<25
9	<50	<25
10	<50	<25
11	1110 ±111	555
12	413 ±41	207
13	<50	<25
14	<50	<25
15	<50	<25
16	<50	<25

TELEDYNE ISOTOPES

SMEAR RESULTS
BY LIQUID SCINTILLATION
COUNTING

"POST DECON SURVEY"

LOCATION: J-203 Island B

SMEAR No.	Low Energy Beta Activity dpm/sample	Low Energy Beta Activity dpm/100cm^2
1	319 ±32	160
11	120 ±12	60
12	88 ±9	44

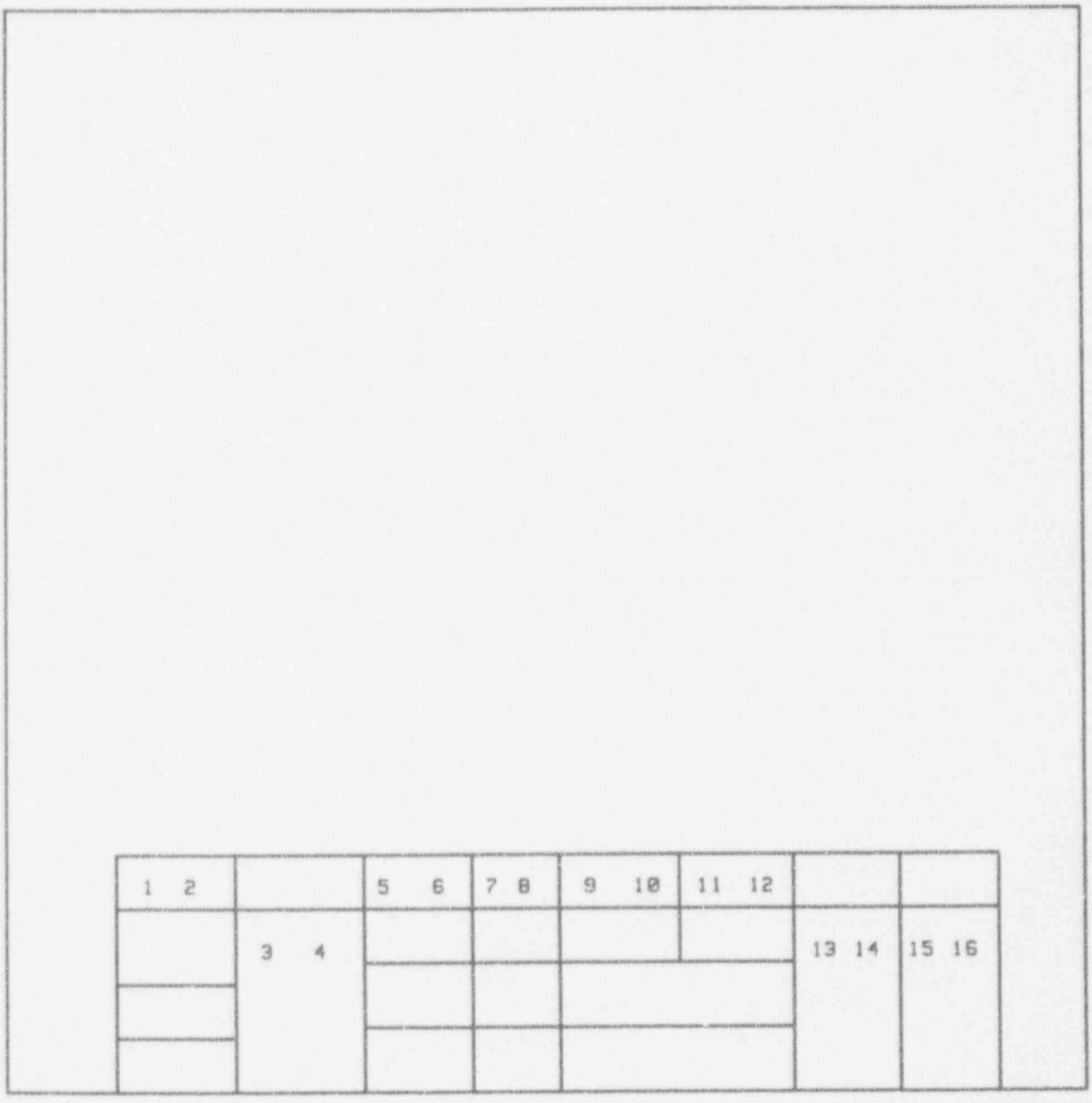
TELEDYNE ISOTOPES

DIAGRAM OF SURVEYED AREA

LOCATION: J-203 ISLAND-B

PRINCIPLE OCCUPANTS: _____

ISOTOPE USAGE: _____



TELEDYNE ISOTOPES

SMEAR RESULTS
BY LIQUID SCINTILLATION
COUNTING

"INITIAL SURVEY"

LOCATION: J-203 Hood #1

SMEAR No.	Low Energy Beta Activity dpm/sample	Low Energy Beta Activity dpm/100cm^2
1	215 ±22	108
2	<50	<25
3	<50	<25
4	<50	<25
5	<50	<25
6	<50	<25
7	<50	<25
8	<50	<25
9	<50	<25
10	<50	<25

TELEDYNE ISOTOPES

SMEAR RESULTS BY LIQUID SCINTILLATION COUNTING

LOCATION: J-208 Main View

SMEAR No.	Low Energy Beta Activity dpm/sample	Low Energy Beta Activity dpm/100cm^2
1	<50	<25
2	<50	<25
3	<50	<25
4	<50	<25
5	<50	<25
6	<50	<25
7	<50	<25
8	181 ±18	91
9	<50	<25
10	<50	<25
11	<50	<25
12	<50	<25
13 - Wall	<50	<25
14 - Wall	<50	<25
15 - Wall	<50	<25
16 - Wall	55 ±6	28

TELEDYNE ISOTOPES

SMEAR RESULTS BY LIQUID SCINTILLATION COUNTING

"POST DECON SURVEY"

LOCATION: J-208 Main View

SMEAR No.	Low Energy Beta Activity dpm/sample	Low Energy Beta Activity dpm/100cm^2
8	<50	<25
16	<50	<25

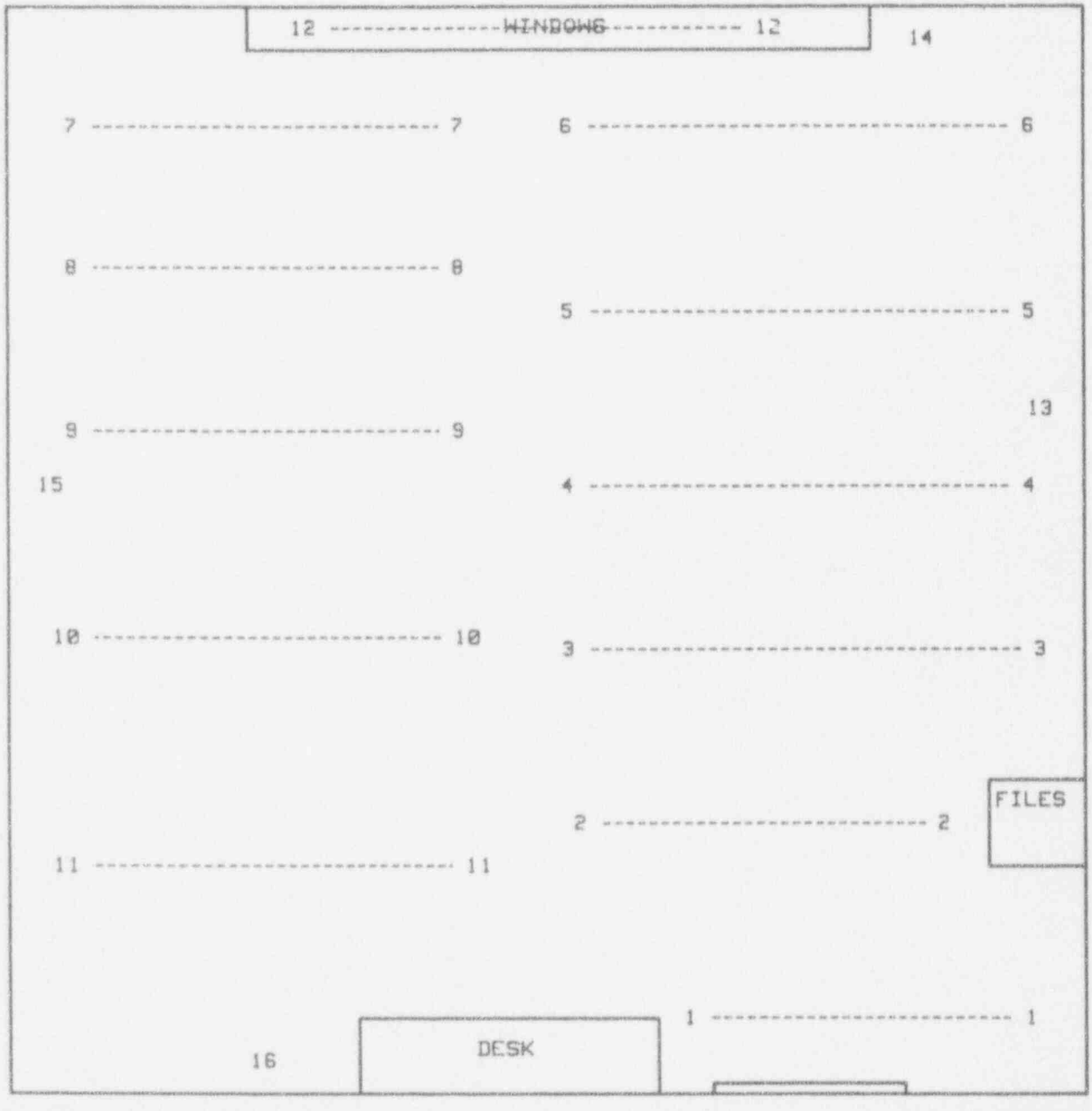
TELEDYNE ISOTOPES

DIAGRAM OF SURVEYED AREA

LOCATION: J-208 MAIN VIEW

PRINCIPLE OCCUPANTS: _____

ISOTOPE USAGE: _____



TELEDYNE ISOTOPES

SMEAR RESULTS
BY LIQUID SCINTILLATION
COUNTING

"INITIAL SURVEY"

LOCATION: J-209 Main View

SMEAR No.	Low Energy Beta Activity dpm/sample	Low Energy Beta Activity dpm/100cm^2
1	<50	<25
2	<50	<25
3	<50	<25
4	<50	<25
5	<50	<25
6	<50	<25
7	<50	<25
8	<50	<25
9	<50	<25
10	107 ±11	54
11	<50	<25
12	<50	<25
13	<50	<25
14	472 ±47	236
15	<50	<25
16	<50	<25
17	<50	<25
18	<50	<25
19	<50	<25
20	<50	<25
21	<50	<25
22	<50	<25
23	<50	<25

TELEDYNE ISOTOPES

SMEAR RESULTS BY LIQUID SCINTILLATION COUNTING

"POST DECON SURVEY"

LOCATION: J-209 Main View

SMEAR No.	Low Energy Beta Activity dpm/sample	Low Energy Beta Activity dpm/100cm^2
10	72 ±7	36
14	236 ±24	118

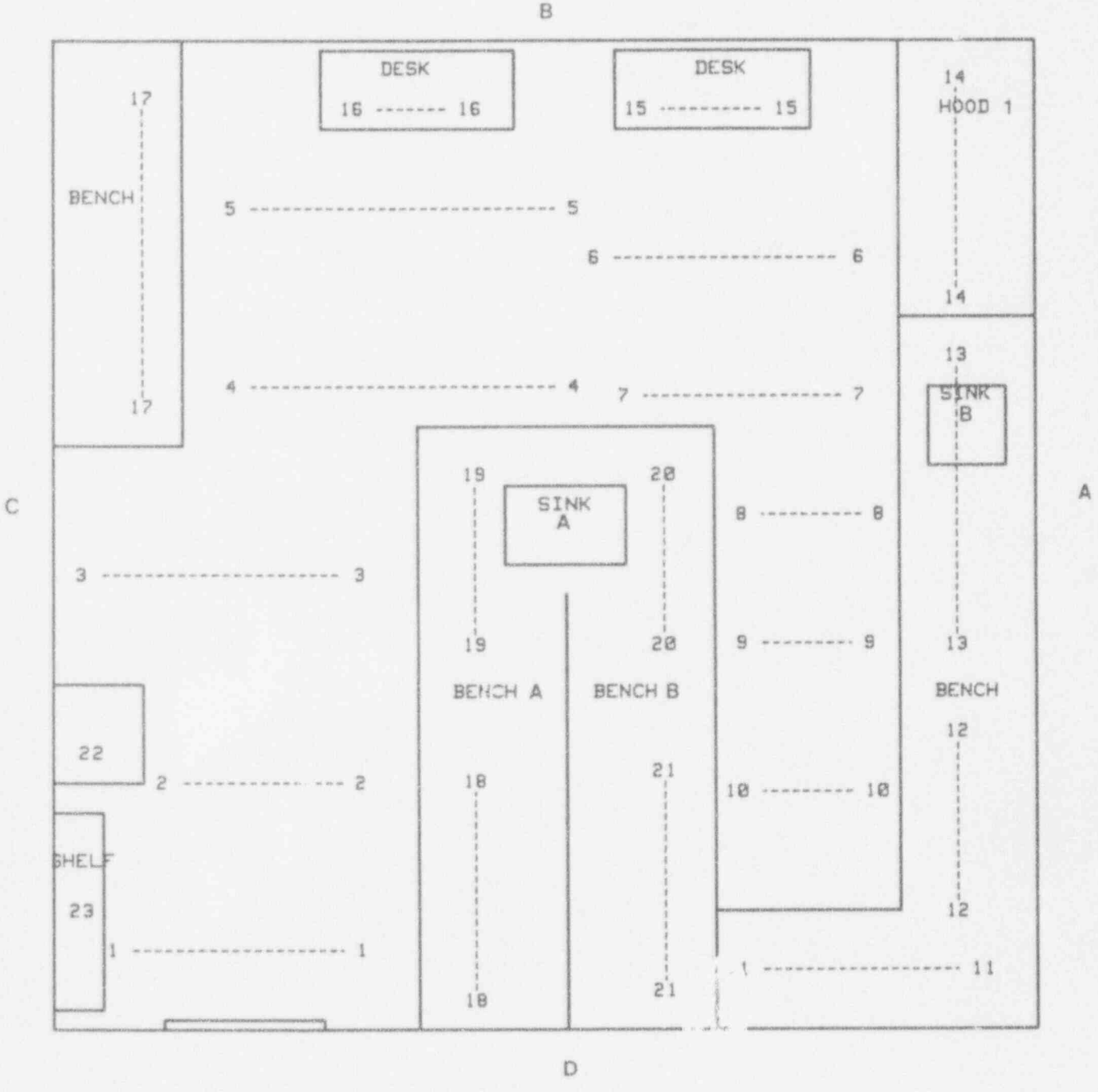
TELEDYNE ISOTOPES

DIAGRAM OF SURVEYED AREA

LOCATION: J-209 MAIN VIEW

PRINCIPLE OCCUPANTS: _____

ISOTOPE USAGE: _____



TELEDYNE ISOTOPES

SMEAR RESULTS
BY LIQUID SCINTILLATION
COUNTING

"INITIAL SURVEY"

LOCATION: J-209 View A

SMEAR No.	Low Energy Beta Activity dpm/sample	Low Energy Beta Activity dpm/100cm^2
1	56 ±6	28
2	<50	<25
3	300 ±30	150
4	<50	<25
5	<50	<25
6	<50	<25
7	<50	<25
8	<50	<25
9	<50	<25
10	<50	<25
11	<50	<25
12	<50	<25
13	<50	<25
14	<50	<25
15	<50	<25
16	54 ±5	27

TELEDYNE ISOTOPES

SMEAR RESULTS BY LIQUID SCINTILLATION COUNTING

LOCATION: J-209 View A

SMEAR No.	Low Energy Beta Activity dpm/sample	Low Energy Beta Activity dpm/100cm^2
1	60 ±6	30
3	<50	<25
16	<50	<25

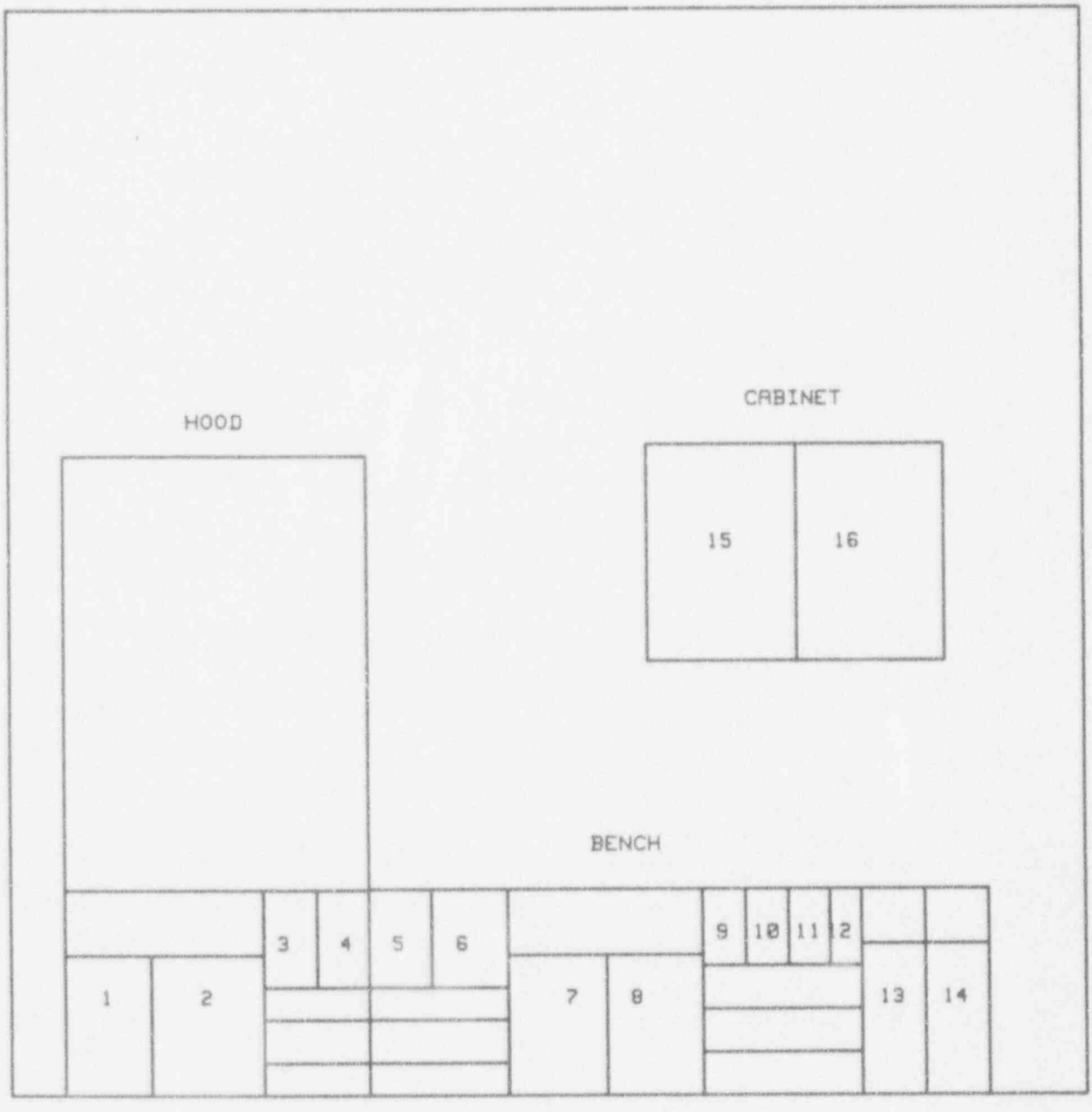
TELEDYNE ISOTOPES

DIAGRAM OF SURVEYED AREA

LOCATION: J-209 VIEW-A

PRINCIPLE OCCUPANTS: _____

ISOTOPE USAGE: _____



TELEDYNE ISOTOPES

SMEAR RESULTS
BY LIQUID SCINTILLATION COUNTING

"INITIAL SURVEY"

LOCATION: J-209 View B

SMEAR No.	Low Energy Beta Activity dpm/sample	Low Energy Beta Activity dpm/100cm^2
1	<50	<25
2	<50	<25
3	<50	<25
4	<50	<25
5	<50	<25
6	<50	<25
7	<50	<25
8	<50	<25
9	393 ±39	197
10	<50	<25
11	<50	<25

TELEDYNE ISOTOPES

SMEAR RESULTS BY LIQUID SCINTILLATION COUNTING

"POST DECON SURVEY"

LOCATION: J-209 View B

SMEAR No.	Low Energy Beta Activity dpm/sample	Low Energy Beta Activity dpm/100cm^2
9	<50	<25

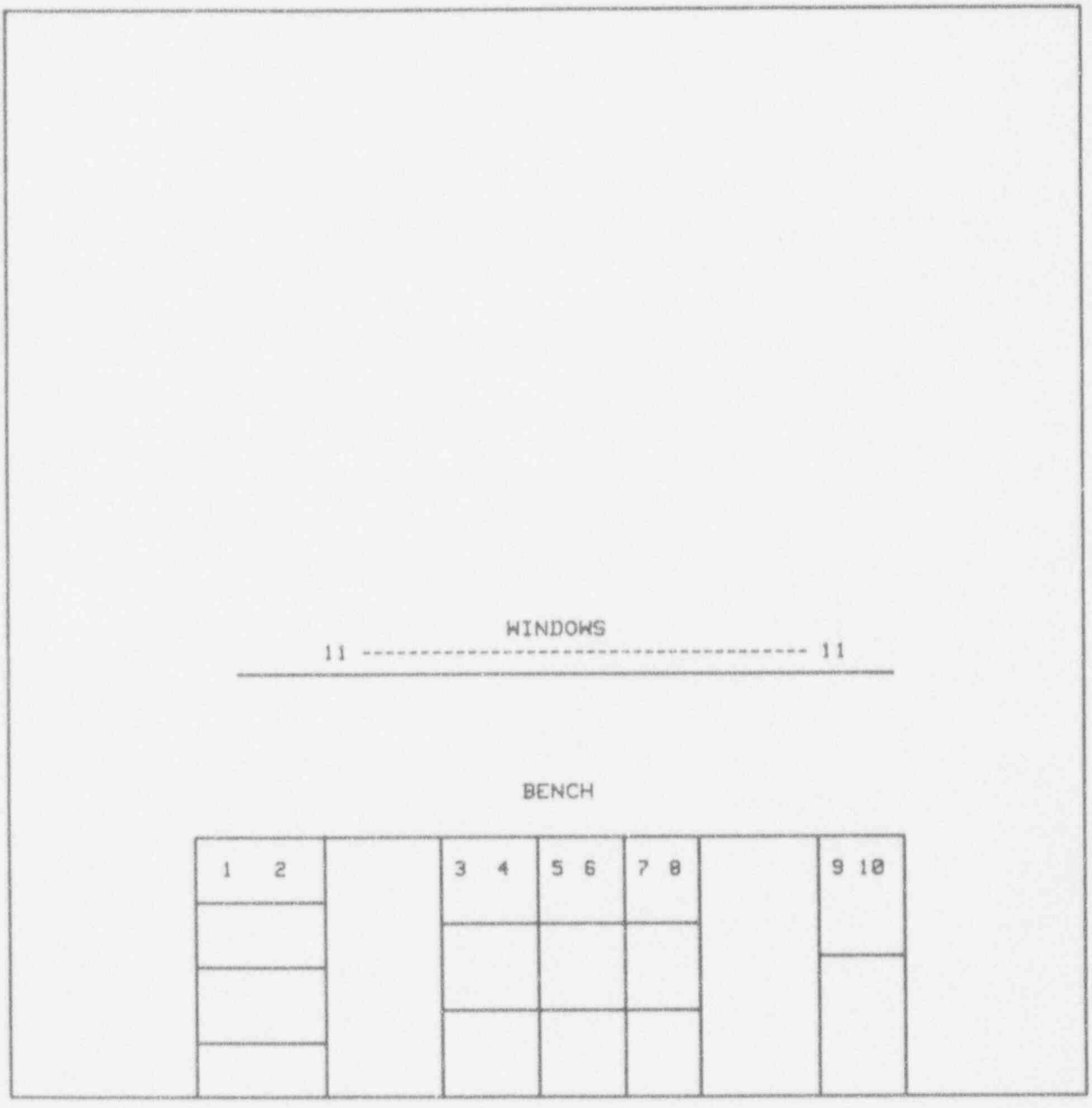
TELEDYNE ISOTOPES

DIAGRAM OF SURVEYED AREA

LOCATION: J-209 VIEW-B

PRINCIPLE OCCUPANTS:

ISOTOPE USAGE:



TELEDYNE ISOTOPES

SMEAR RESULTS
BY LIQUID SCINTILLATION COUNTING

"INITIAL SURVEY"

LOCATION: J-209 View C

SMEAR No.	Low Energy Beta Activity dpm/sample	Low Energy Beta Activity dpm/100cm^2
1	<50	<25
2	<50	<25
3	<50	<25
4	<50	<25
5	<50	<25
6	<50	<25
7	<50	<25
8	<50	<25
9	<50	<25
10	<50	<25
11	<50	<25
12	53 ±5	27
13	<50	<25
14	<50	<25

TELEDYNE ISOTOPES

SMEAR RESULTS
BY LIQUID SCINTILLATION
COUNTING

"POST DECON SURVEY"

LOCATION: J-209 View C

SMEAR No.	Low Energy Beta Activity dpm/sample	Low Energy Beta Activity dpm/100cm^2
12	<50	<25

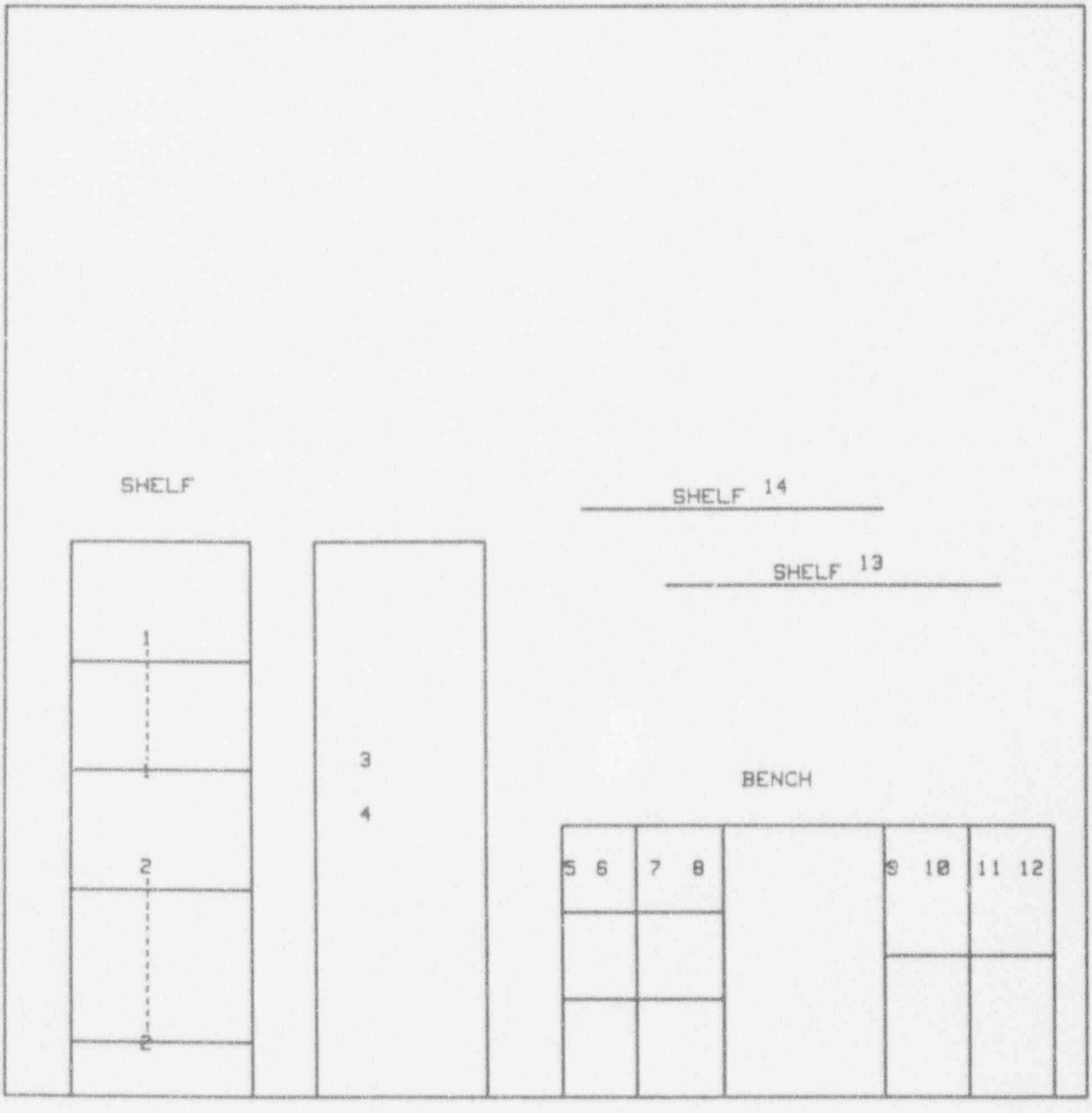
TELEDYNE ISOTOPES

DIAGRAM OF SURVEYED AREA

LOCATION: J-209 VIEW-C

PRINCIPLE OCCUPANTS: _____

ISOTOPE USAGE: _____



TELEDYNE ISOTOPES

SMEAR RESULTS
BY LIQUID SCINTILLATION COUNTING

"INITIAL SURVEY"

LOCATION: J-209 Island A

SMEAR No.	Low Energy Beta Activity dpm/sample	Low Energy Beta Activity dpm/100cm^2
1	<50	<25
2	<50	<25
3	93 ±9	47
4	<50	<25
5	<50	<25
6	99 ±10	50
7	<50	<25
8	53 ±5	27
9	<50	<25
10	<50	<25
11	63 ±6	32
12	1732 ±173	866
13	<50	<25
14	55 ±6	28

TELEDYNE ISOTOPES

SMEAR RESULTS
BY LIQUID SCINTILLATION
COUNTING

"POST DECON SURVEY"

LOCATION: J-209 Island A

SMEAR No.	Low Energy Beta Activity dpm/sample	Low Energy Beta Activity dpm/100cm^2
3	<50	<25
6	<50	<25
8	<50	<25
11	<50	<25
12	<50	<25
14	<50	<25

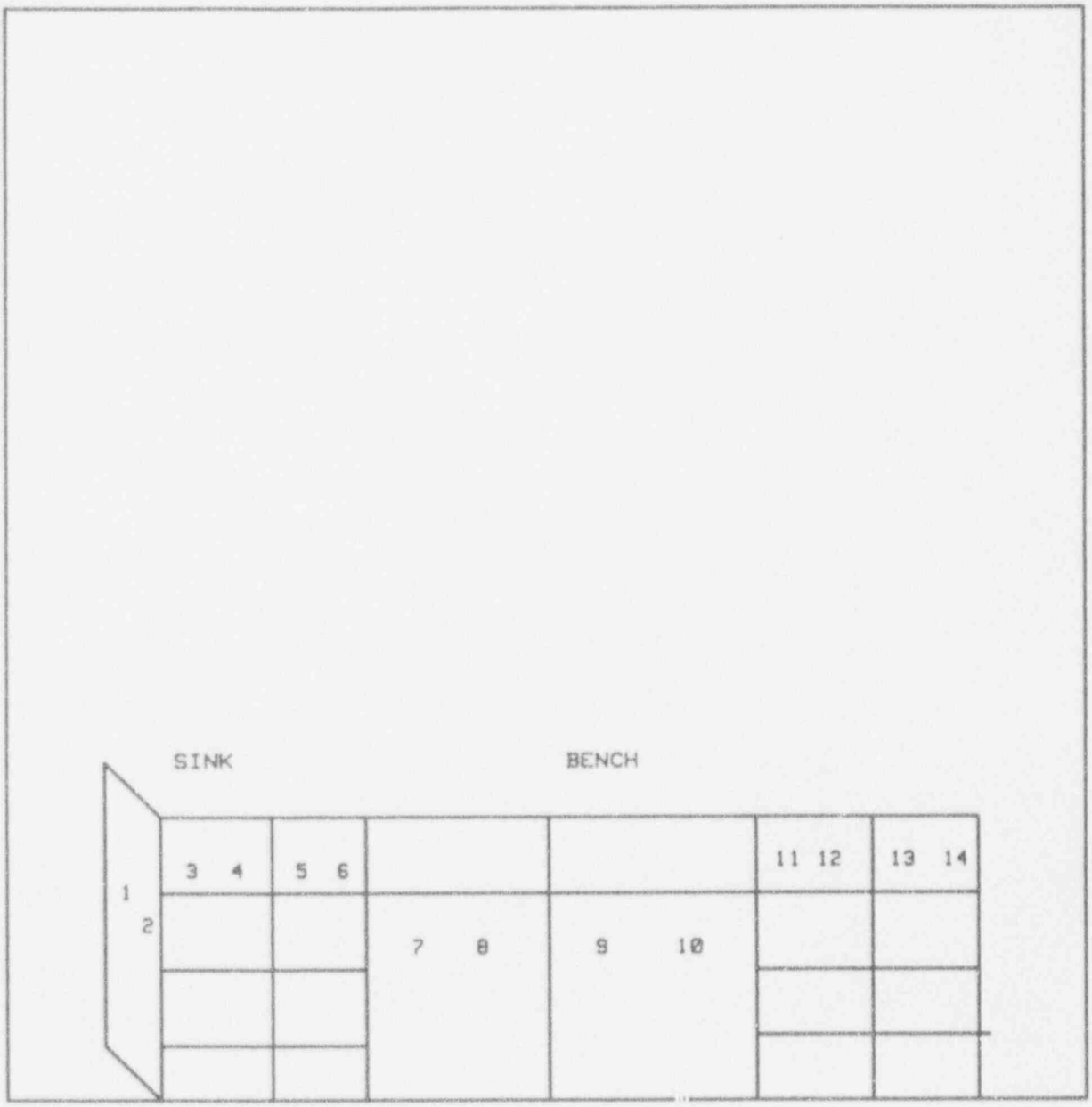
TELEDYNE ISOTOPES

DIAGRAM OF SURVEYED AREA

LOCATION: J-209 ISLAND-A

PRINCIPLE OCCUPANTS: _____

ISOTOPE USAGE: _____



TELEDYNE ISOTOPES

SMEAR RESULTS BY LIQUID SCINTILLATION COUNTING

LOCATION: J-209 Island B

SMEAR No.	Low Energy Beta Activity dpm/sample	Low Energy Beta Activity dpm/100cm^2
1	<50	<25
2	<50	<25
3	<50	<25
4	<50	<25
5	<50	<25
6	<50	<25
7	<50	<25
8	<50	<25
9	<50	<25
10	<50	<25
11	53 ±5	27
12	<50	<25
13	259 ±26	130
14	361 ±36	181

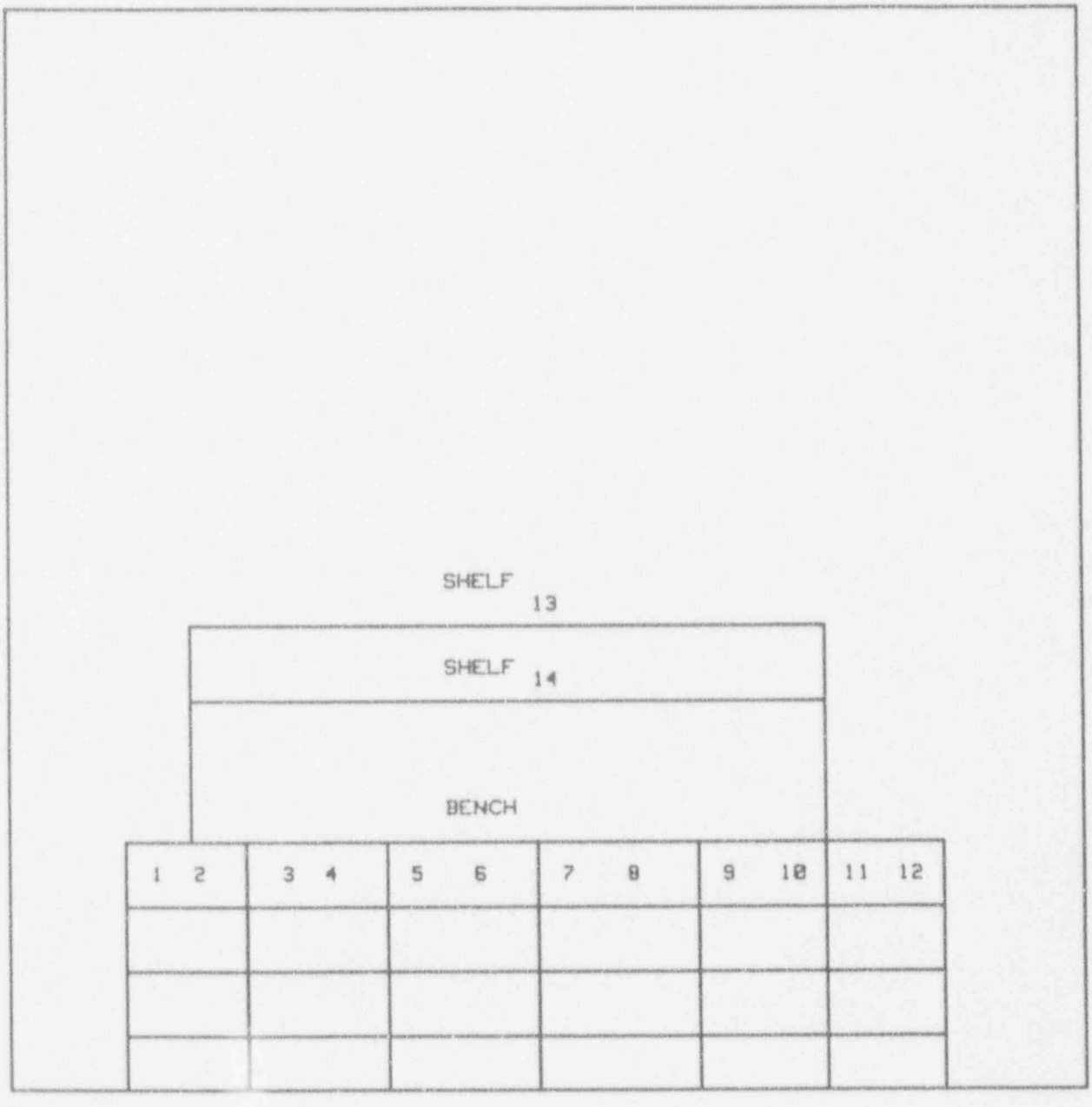
TELEDYNE ISOTOPES

DIAGRAM OF SURVEYED AREA

LOCATION: J-209 ISLAND-B

PRINCIPLE OCCUPANTS: _____

ISOTOPE USAGE: _____



TELEDYNE ISOTOPES

SMEAR RESULTS
BY LIQUID SCINTILLATION COUNTING "INITIAL SURVEY"

LOCATION: J-209 Hood #1

SMEAR No.	Low Energy Beta Activity dpm/sample	Low Energy Beta Activity dpm/100cm^2
1	2534 ±253	1267
2	78 ±8	39
3	<50	<25
4	58 ±6	29
5	<50	<25
6	<50	<25
7	145 ±15	73
8	<50	<25
9	<50	<25
10	<50	<25

TELEDYNE ISOTOPES

SMEAR RESULTS
BY LIQUID SCINTILLATION
COUNTING

"POST DECON SURVEY"

LOCATION: J-209 Hood #1

SMEAR No.	Low Energy Beta Activity dpm/sample	Low Energy Beta Activity dpm/100cm^2
1	130 ±13	65
2	<50	<25
4	<50	<25
7	<50	<25

TELEDYNE ISOTOPES

SMEAR RESULTS BY LIQUID SCINTILLATION COUNTING

LOCATION: J-210 Main View

SMEAR No.	Low Energy Beta Activity dpm/sample	Low Energy Beta Activity dpm/100cm^2
1	<50	<25
2	<50	<25
3	<50	<25
4	<50	<25
5	<50	<25
6	<50	<25
7	<50	<25
8	<50	<25
9	<50	<25
10	<50	<25
11	<50	<25
12	<50	<25
13	<50	<25
14	<50	<25
15	<50	<25
16	<50	<25
17	<50	<25

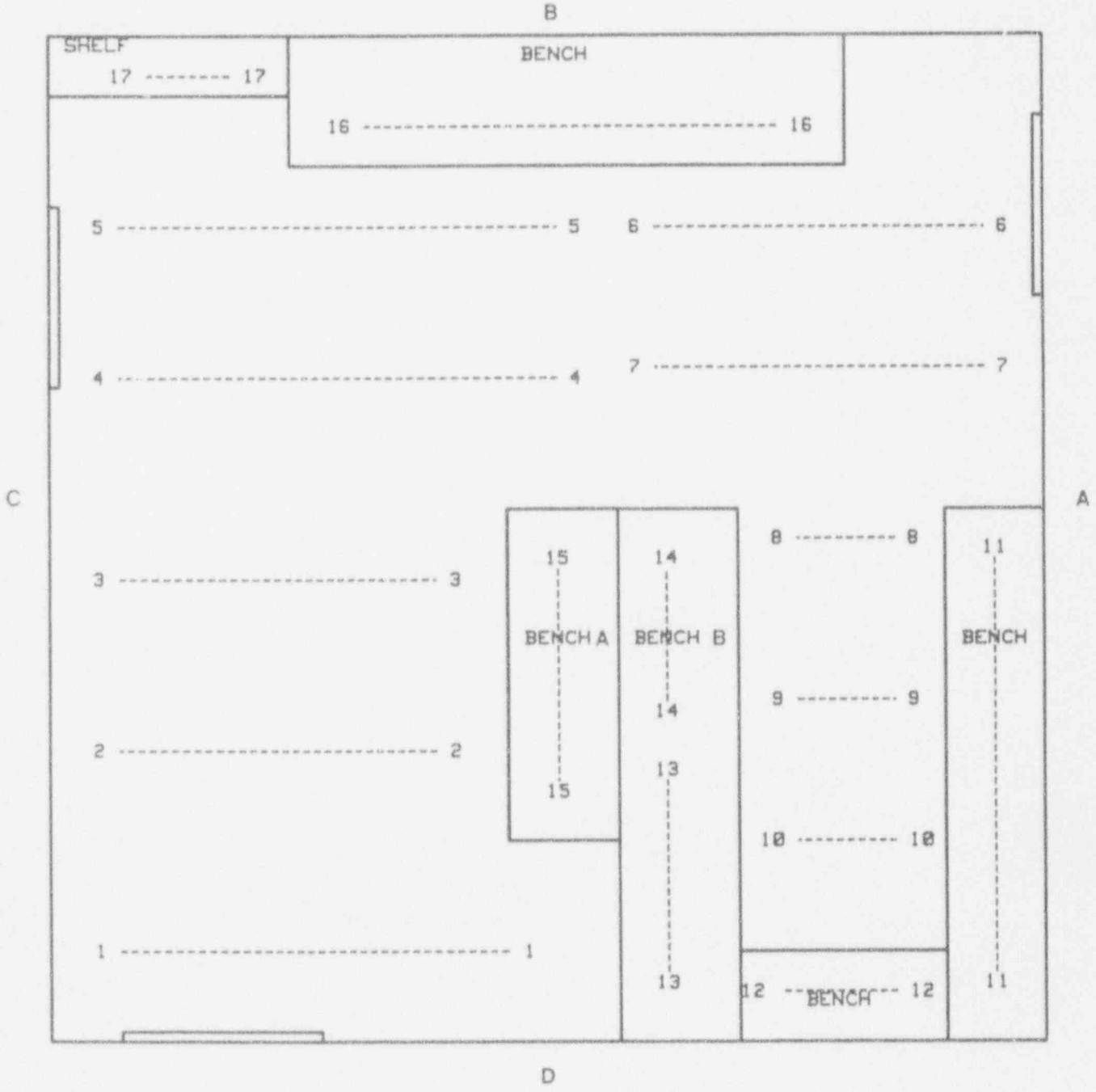
TELEDYNE ISOTOPES

DIAGRAM OF SURVEYED AREA

LOCATION: J-210 MAIN VIEW

PRINCIPLE OCCUPANTS: _____

ISOTOPE USAGE: _____



TELEDYNE ISOTOPES

SMEAR RESULTS BY LIQUID SCINTILLATION COUNTING

LOCATION: J-210 View A

SMEAR No.	Low Energy Beta Activity dpm/sample	Low Energy Beta Activity dpm/100cm^2
1	<50	<25
2	<50	<25
3	<50	<25
4	<50	<25
5	<50	<25
6	<50	<25
7	<50	<25
8	<50	<25
9	<50	<25
10	<50	<25

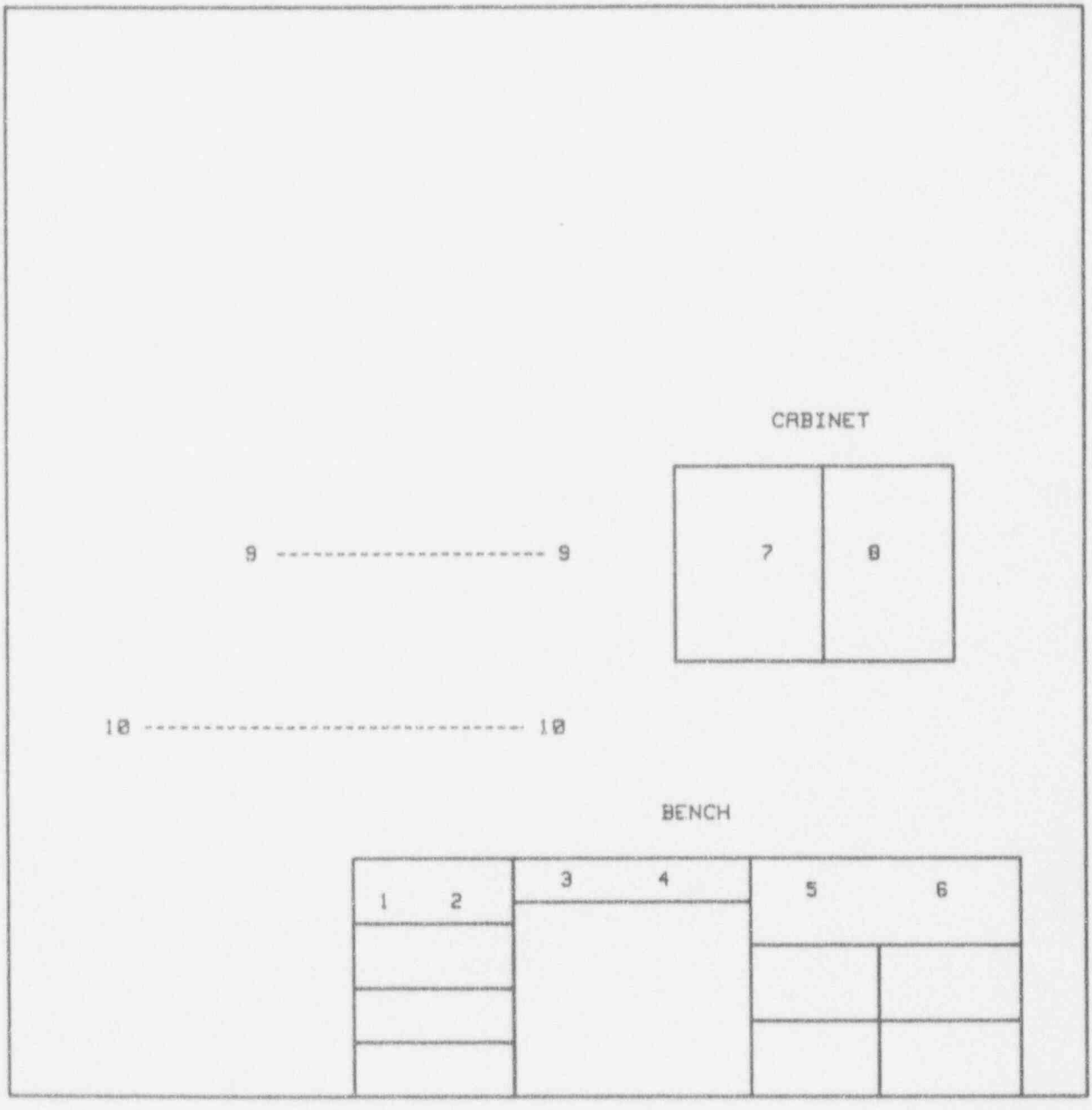
TELEDYNE ISOTOPES

DIAGRAM OF SURVEYED AREA

LOCATION: J-210 VIEW-A

PRINCIPLE OCCUPANTS: _____

ISOTOPE USAGE: _____



TELEDYNE ISOTOPES

SMEAR RESULTS
BY LIQUID SCINTILLATION COUNTING "INITIAL SURVEY"

LOCATION: J-210 View B

SMEAR No.	Low Energy Beta Activity dpm/sample	Low Energy Beta Activity dpm/100cm^2
1	<50	<25
2	<50	<25
3	<50	<25
4	<50	<25
5	<50	<25
6	<50	<25
7	<50	<25
8	<50	<25
9	<50	<25
10	87 ±9	44
11	<50	<25
12	<50	<25
13	<50	<25

TELEDYNE ISOTOPES

SMEAR RESULTS
BY LIQUID SCINTILLATION
COUNTING

"POST DECON SURVEY"

LOCATION: J-210 View B

SMEAR No.	Low Energy Beta Activity dpm/sample	Low Energy Beta Activity dpm/100cm^2
10	<50	<25

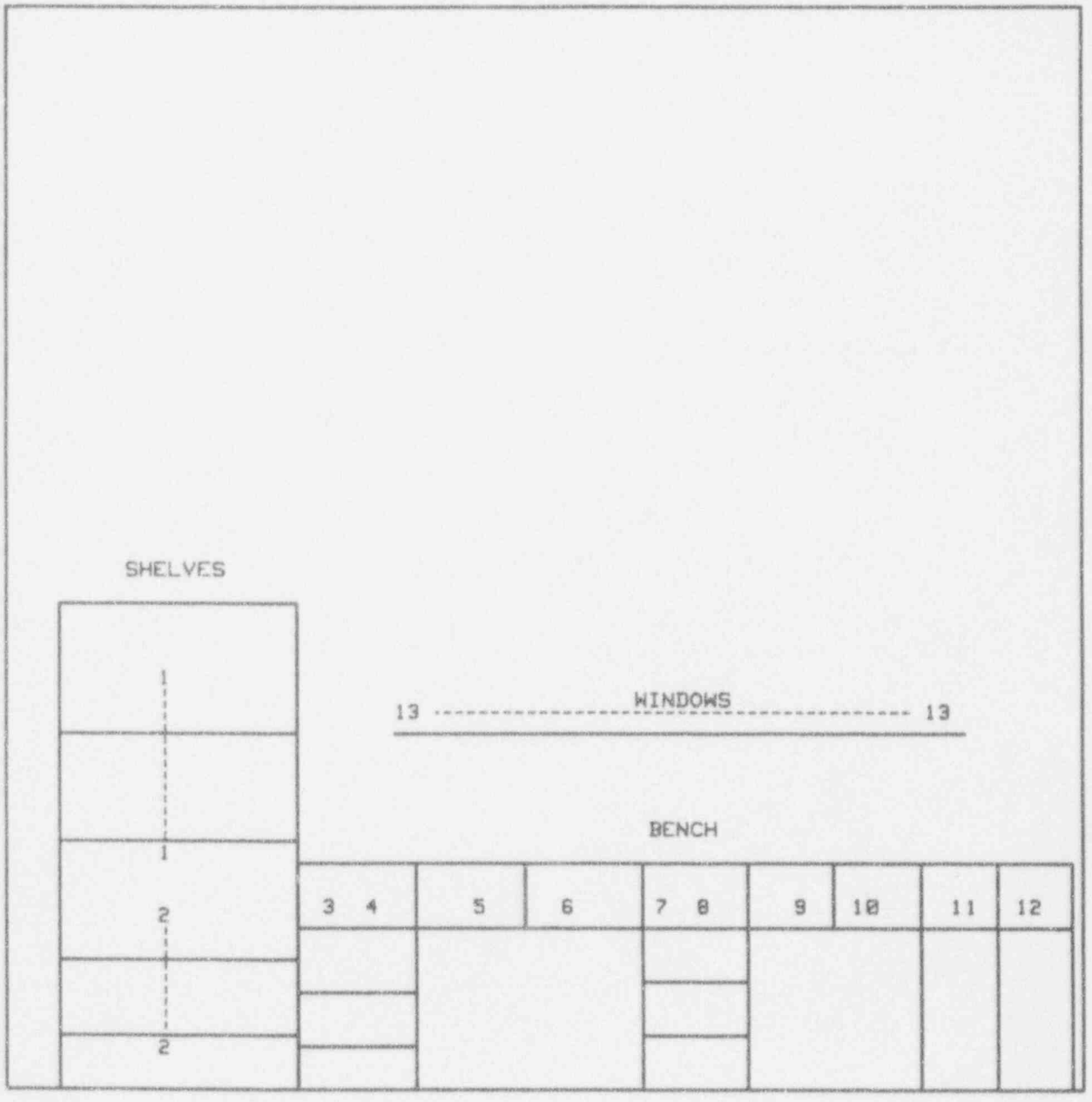
TELEDYNE ISOTOPES

DIAGRAM OF SURVEYED AREA

LOCATION: J-210 VIEW-B

PRINCIPLE OCCUPANTS: _____

ISOTOPE USAGE: _____



TELEDYNE ISOTOPES

SMEAR RESULTS BY LIQUID SCINTILLATION COUNTING

LOCATION: J-210 View D

SMEAR No.	Low Energy Beta Activity dpm/sample	Low Energy Beta Activity dpm/100cm^2
1	<50	<25
2	<50	<25
3	<50	<25
4	<50	<25
5	<50	<25
6	<50	<25
7	<50	<25
8	<50	<25
9	<50	<25
10	<50	<25
11	<50	<25

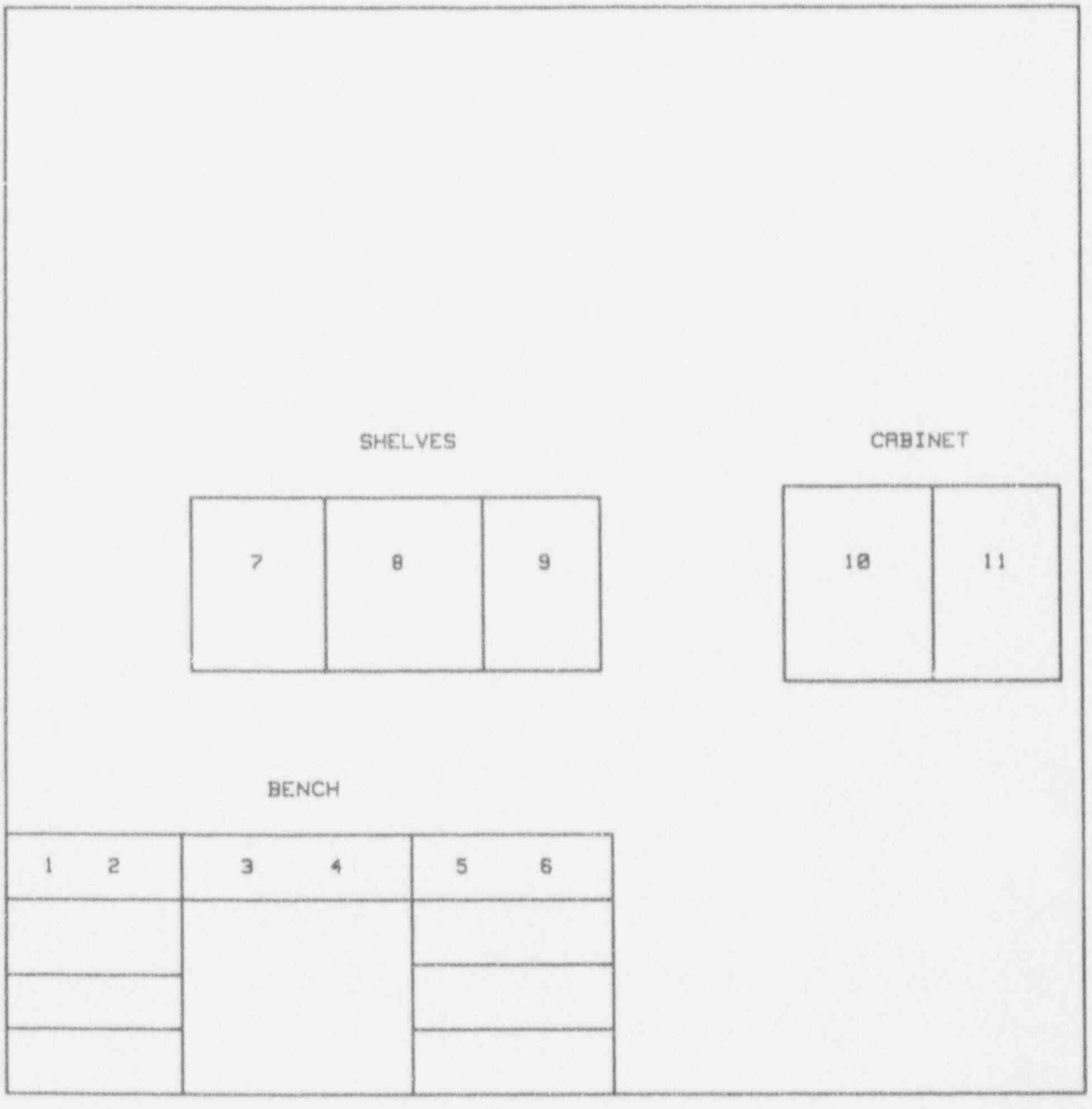
TELEDYNE ISOTOPES

DIAGRAM OF SURVEYED AREA

LOCATION: J-210 VIEW-D

PRINCIPLE OCCUPANTS: _____

ISOTOPE USAGE: _____



TELEDYNE ISOTOPES

SMEAR RESULTS BY LIQUID SCINTILLATION COUNTING

LOCATION: J-210 Island A

SMEAR No.	Low Energy Beta Activity dpm/sample	Low Energy Beta Activity dpm/100cm^2
1	<50	<25
2	<50	<25
3	<50	<25
4	<50	<25
5	<50	<25
6	<50	<25

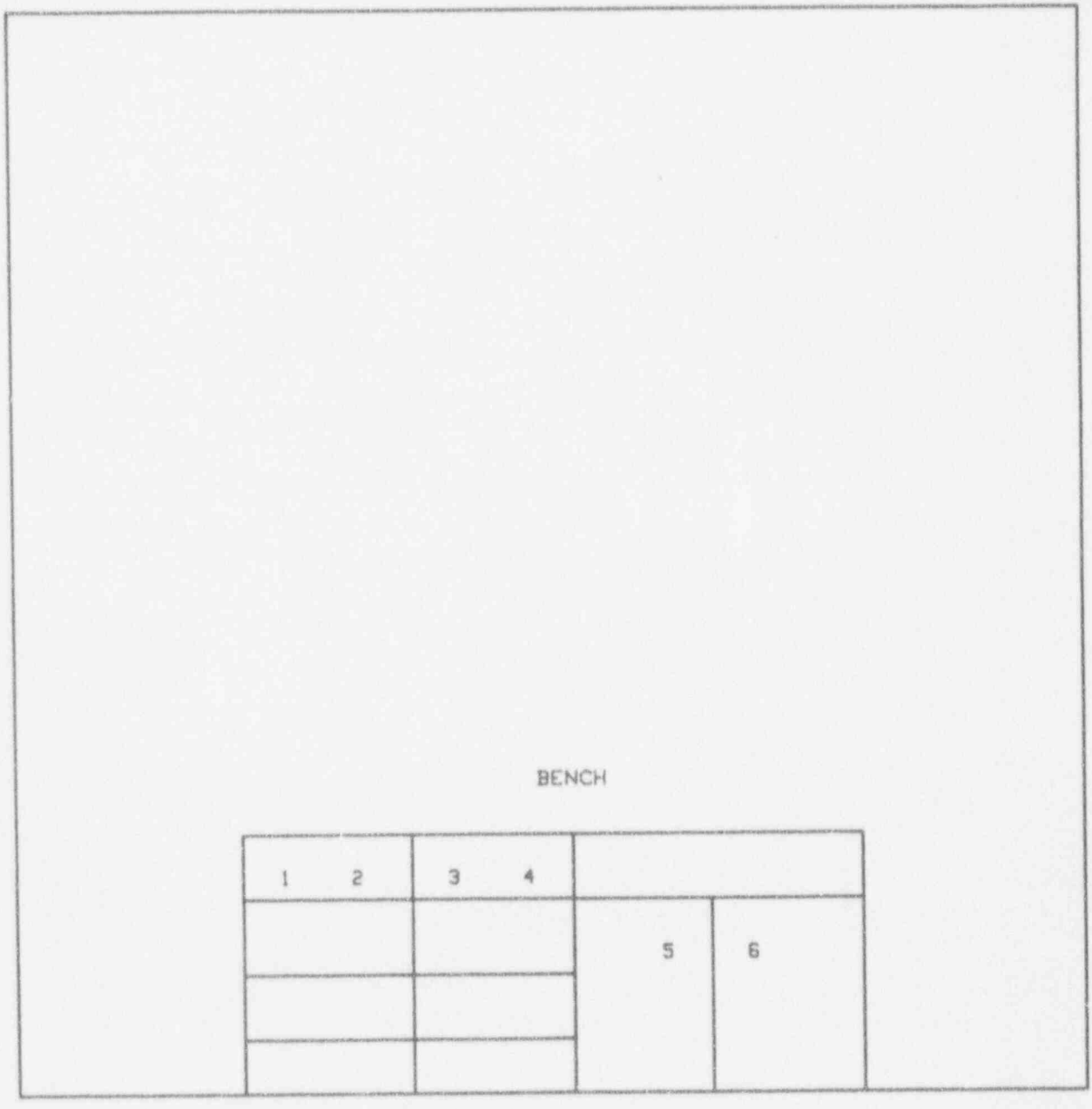
TELEDYNE ISOTOPES

DIAGRAM OF SURVEYED AREA

LOCATION: J-210 ISLAND-A

PRINCIPLE OCCUPANTS: _____

ISOTOPE USAGE: _____



TELEDYNE ISOTOPES

SMEAR RESULTS BY LIQUID SCINTILLATION COUNTING

LOCATION: J-210 Island B

SMEAR No.	Low Energy Beta Activity dpm/sample	Low Energy Beta Activity dpm/100cm^2
1	<50	<25
2	<50	<25
3	<50	<25
4	<50	<25
5	<50	<25
6	<50	<25
7	<50	<25
8	<50	<25
9	<50	<25
10	<50	<25
11	<50	<25

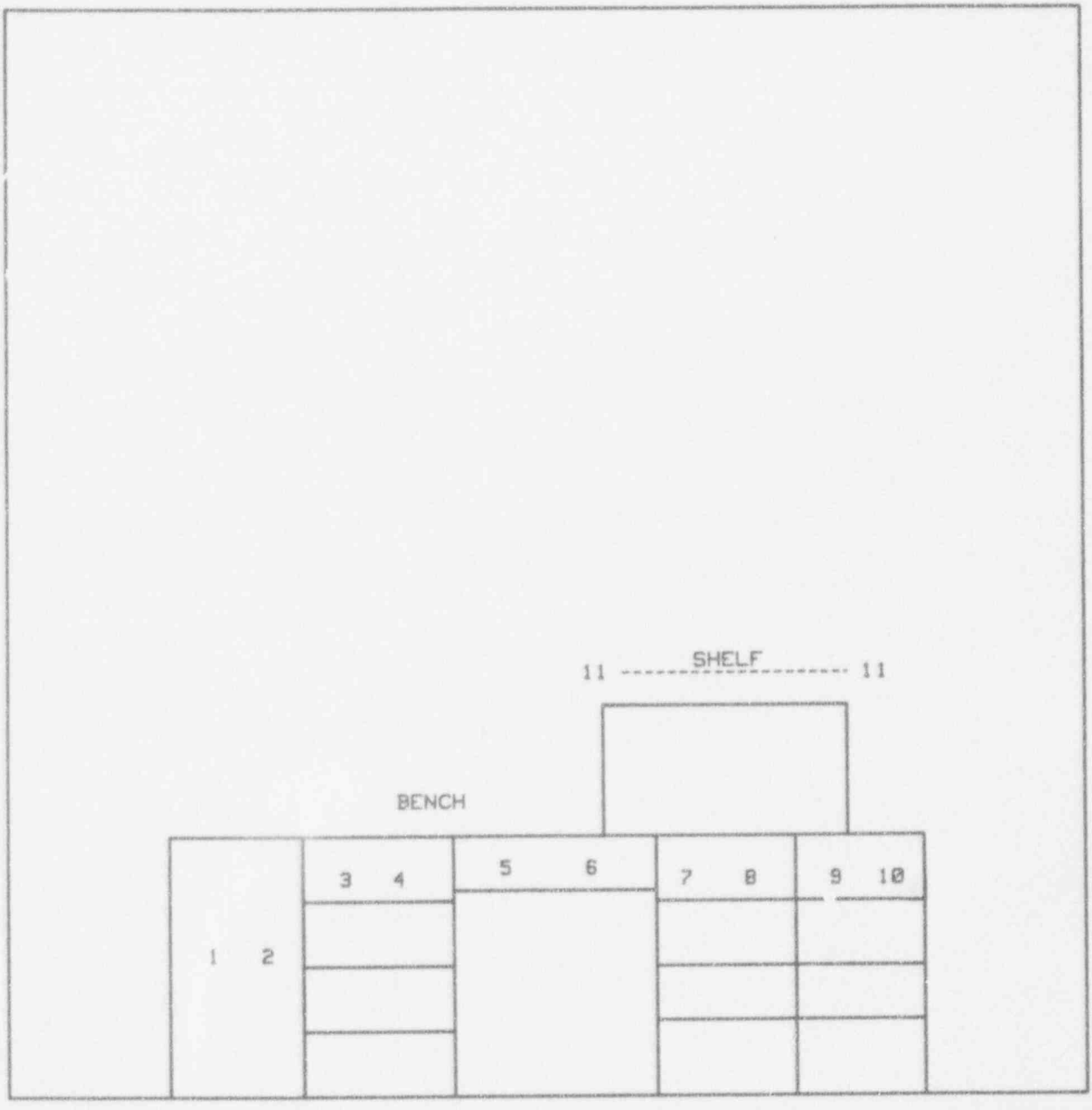
TELEDYNE ISOTOPES

DIAGRAM OF SURVEYED AREA

LOCATION: J-210 ISLAND-B

PRINCIPLE OCCUPANTS: _____

ISOTOPE USAGE: _____



TELEDYNE ISOTOPES

SMEAR RESULTS
BY LIQUID SCINTILLATION COUNTING

"INITIAL SURVEY"

LOCATION: J-211 Main View

SMEAR No.	Low Energy Beta Activity dpm/sample	Low Energy Beta Activity dpm/100cm^2
1	<50	<25
2	<50	<25
3	<50	<25
4	<50	<25
5	<50	<25
6	<50	<25
7	<50	<25
8	<50	<25
9	<50	<25
10	<50	<25
11	<50	<25
12	<50	<25
13	<50	<25
14	<50	<25
15	<50	<25
16	261 ±26	131
17	<50	<25
18	480 ±48	240
19	<50	<25
20	<50	<25

TELEDYNE ISOTOPES

SMEAR RESULTS
BY LIQUID SCINTILLATION
COUNTING

"POST DECON SURVEY"

LOCATION: J-211 Main View

SMEAR No.	Low Energy Beta Activity dpm/sample	Low Energy Beta Activity dpm/100cm^2
16	<50	<25
18	<50	<25

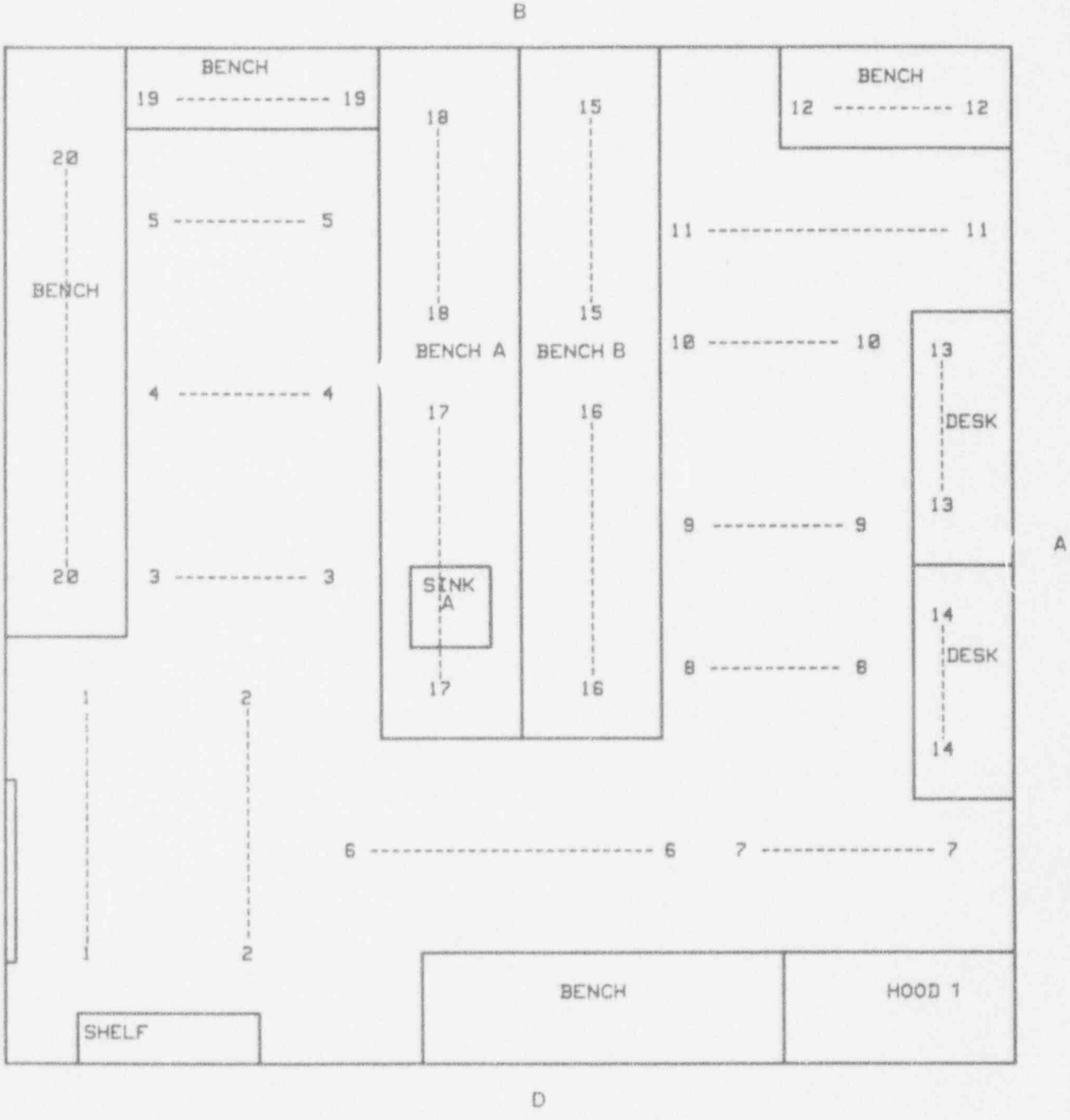
TELEDYNE ISOTOPES

DIAGRAM OF SURVEYED AREA

LOCATION: J-211 MAIN VIEW

PRINCIPLE OCCUPANTS: _____

ISOTOPE USAGE: _____



TELEDYNE ISOTOPES

SMEAR RESULTS BY LIQUID SCINTILLATION COUNTING

LOCATION: J-211 View A

SMEAR No.	Low Energy Beta Activity dpm/sample	Low Energy Beta Activity dpm/100cm^2
1	<50	<25
2	<50	<25
3	<50	<25
4	<50	<25
5	<50	<25
6	<50	<25
7	<50	<25
8	<50	<25
9	<50	<25
10	<50	<25
11	<50	<25

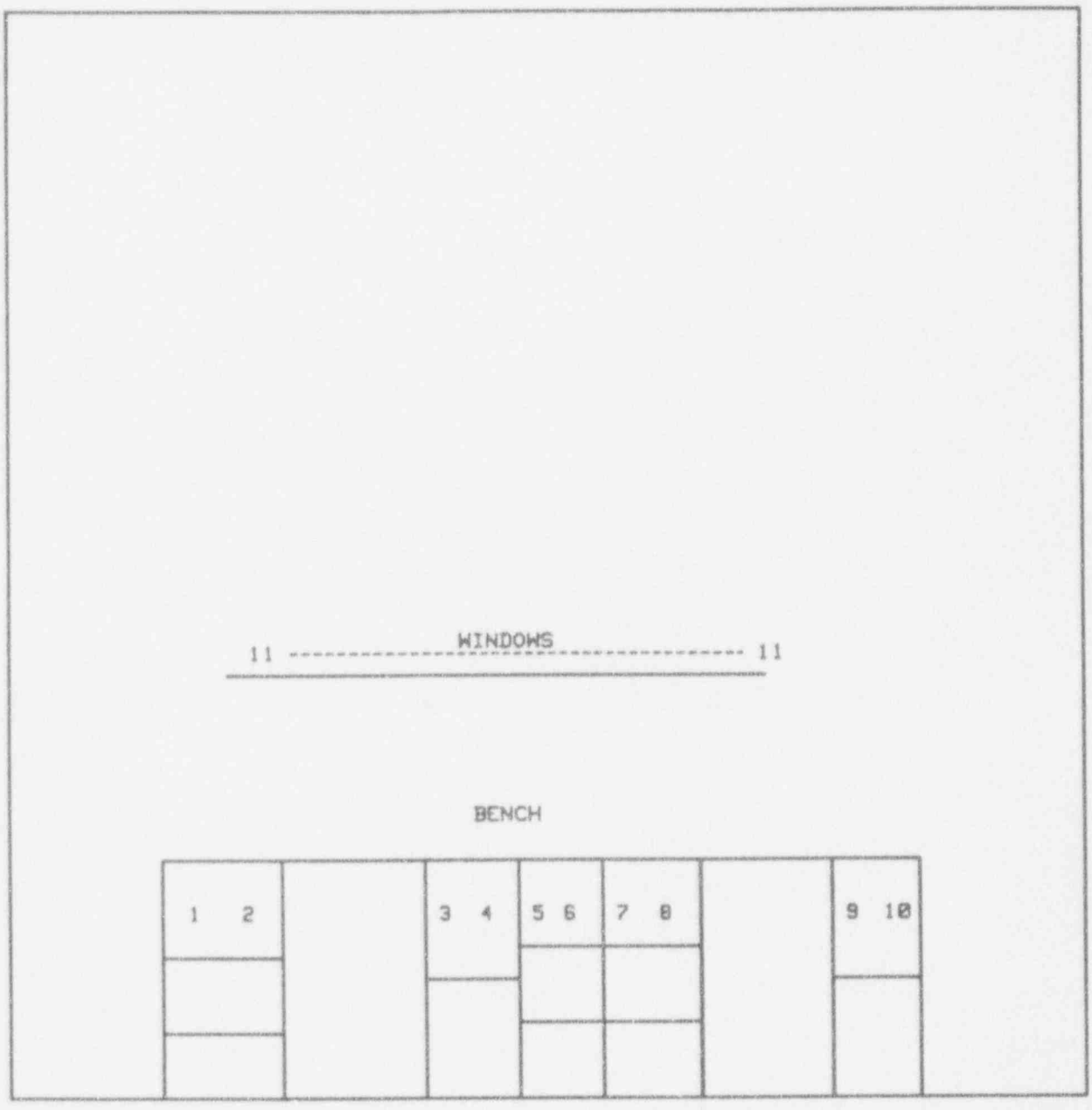
TELEDYNE ISOTOPES

DIAGRAM OF SURVEYED AREA

LOCATION: J-211 VIEW-A

PRINCIPLE OCCUPANTS:

ISOTOPE USAGE:



TELEDYNE ISOTOPES

SMEAR RESULTS
BY LIQUID SCINTILLATION COUNTING "INITIAL SURVEY"

LOCATION: J-211 View B

SMEAR No.	Low Energy Beta Activity dpm/sample	Low Energy Beta Activity dpm/100cm^2
1	<50	<25
2	<50	<25
3	<50	<25
4	84 ±8	42
5	<50	<25
6	<50	<25
7	<50	<25

TELEDYNE ISOTOPES

SMEAR RESULTS
BY LIQUID SCINTILLATION
COUNTING

"POST DECON SURVEY"

LOCATION: J-211 View B

SMEAR No.	Low Energy Beta Activity dpm/sample	Low Energy Beta Activity dpm/100cm^2
4	<50	<25

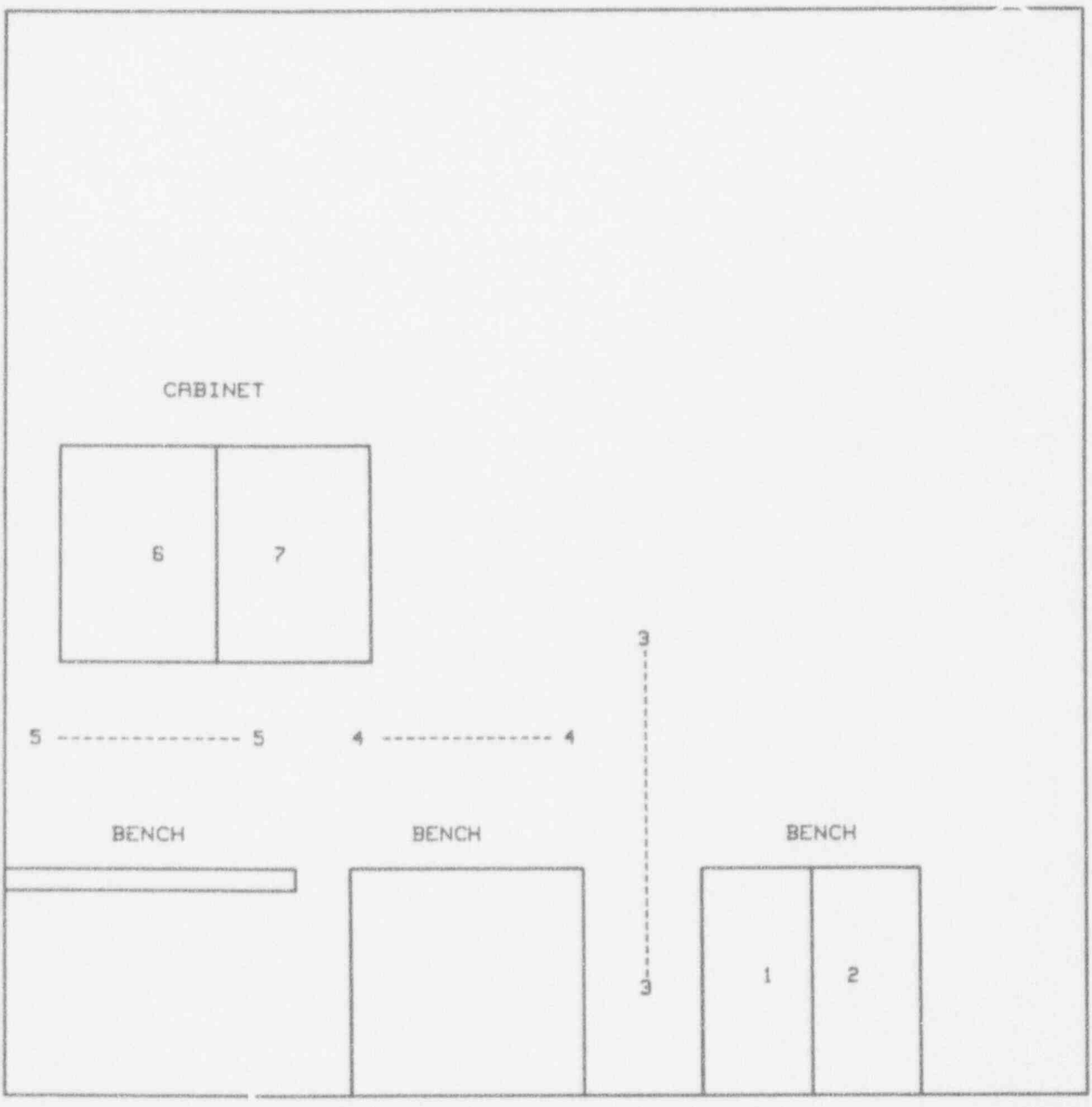
TELEDYNE ISOTOPES

DIAGRAM OF SURVEYED AREA

LOCATION: J-211 VIEW-B

PRINCIPLE OCCUPANTS: _____

ISOTOPE USAGE: _____



TELEDYNE ISOTOPES

SMEAR RESULTS
BY LIQUID SCINTILLATION COUNTING

"INITIAL SURVEY"

LOCATION: J-211 View C

SMEAR No.	Low Energy Beta Activity dpm/sample	Low Energy Beta Activity dpm/100cm^2
1	<50	<25
2	<50	<25
3	<50	<25
4	<50	<25
5	<50	<25
6	<50	<25
7	<50	<25
8	67 ±7	34
9	<50	<25
10	<50	<25

TELEDYNE ISOTOPES

SMEAR RESULTS
BY LIQUID SCINTILLATION
COUNTING

"POST DECON SURVEY"

LOCATION: J-211 View C

SMEAR No.	Low Energy Beta Activity dpm/sample	Low Energy Beta Activity dpm/100cm^2
8	57 ±6	29

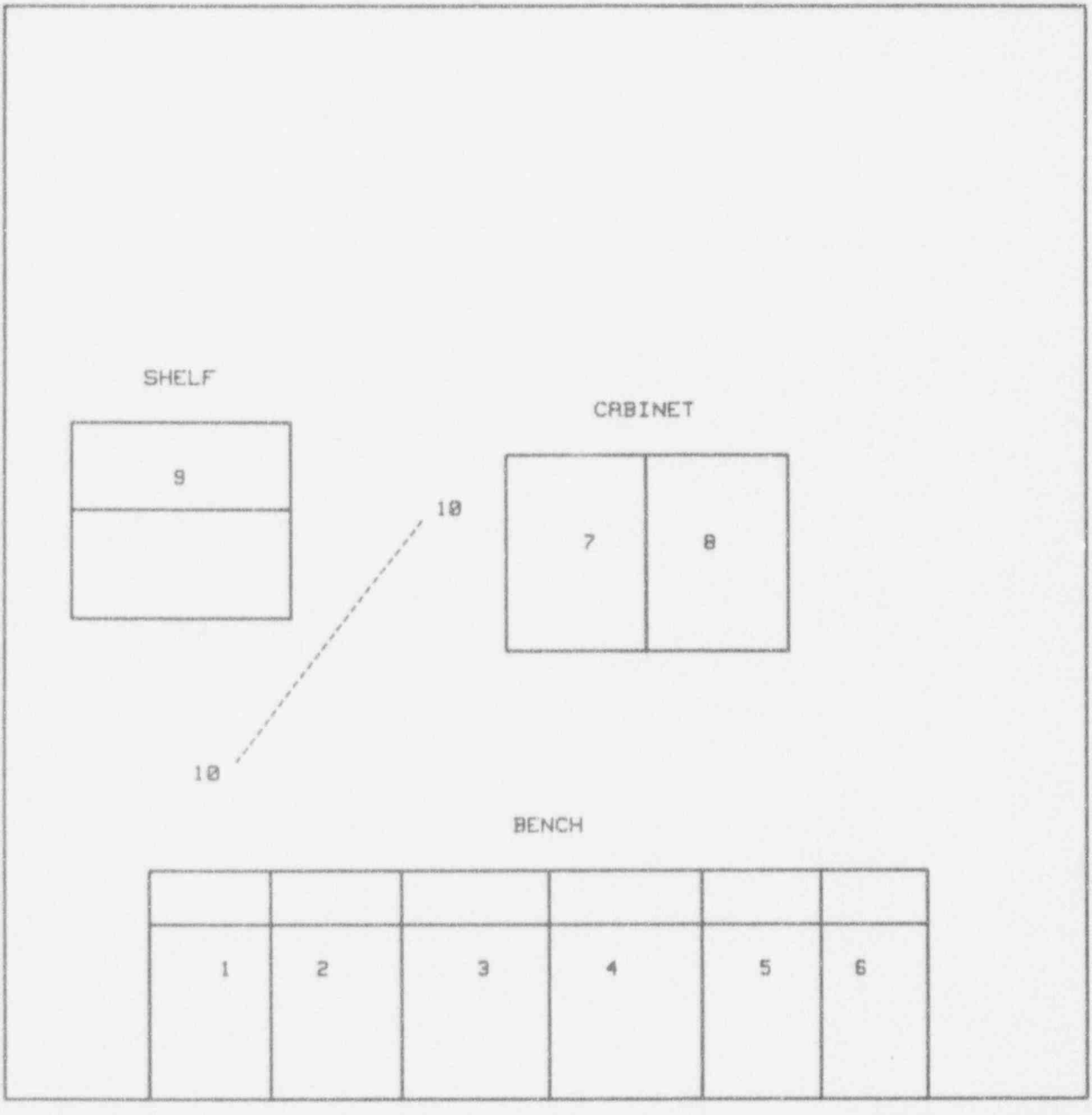
TELEDYNE ISOTOPES

DIAGRAM OF SURVEYED AREA

LOCATION: J-211 VIEW-C

PRINCIPLE OCCUPANTS: _____

ISOTOPE USAGE: _____



TELEDYNE ISOTOPES

SMEAR RESULTS
BY LIQUID SCINTILLATION
COUNTING

"INITIAL SURVEY"

LOCATION: J-211 View D

SMEAR No.	Low Energy Beta Activity dpm/sample	Low Energy Beta Activity dpm/100cm^2
1	<50	<25
2	<50	<25
3	<50	<25
4	<50	<25
5	<50	<25
6	<50	<25
7	<50	<25
8	<50	<25
9	<50	<25
10	<50	<25
11	<50	<25
12	73 ±7	37
13	<50	<25
14	<50	<25
15	<50	<25
16	<50	<25

TELEDYNE ISOTOPES

SMEAR RESULTS
BY LIQUID SCINTILLATION
COUNTING

"POST DECON SURVEY"

LOCATION: J-211 View D

SMEAR No.	Low Energy Beta Activity dpm/sample	Low Energy Beta Activity dpm/100cm^2
12	<50	<25

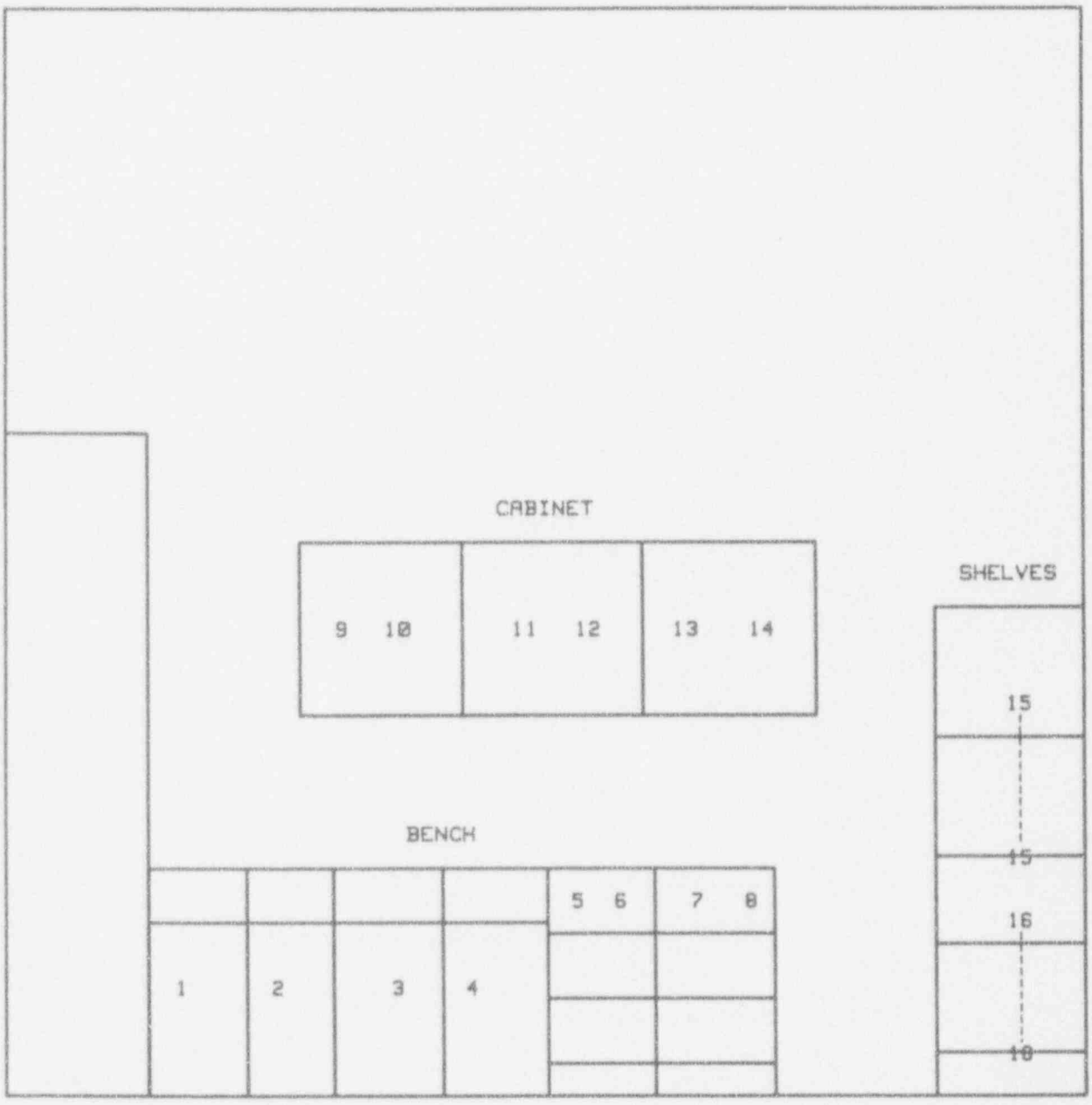
TELEDYNE ISOTOPES

DIAGRAM OF SURVEYED AREA

LOCATION: J-211 VIEW-D

PRINCIPLE OCCUPANTS: _____

ISOTOPE USAGE: _____



TELEDYNE ISOTOPES

SMEAR RESULTS
BY LIQUID SCINTILLATION COUNTING

"INITIAL SURVEY"

LOCATION: **J-211 Island A**

SMEAR No.	Low Energy Beta Activity dpm/sample	Low Energy Beta Activity dpm/100cm^2
1	<50	<25
2	<50	<25
3	<50	<25
4	<50	<25
5	<50	<25
6	<50	<25
7	<50	<25
8	<50	<25
9	<50	<25
10	<50	<25
11	58 ±6	29
12	<50	<25

TELEDYNE ISOTOPES

SMEAR RESULTS BY LIQUID SCINTILLATION COUNTING

LOCATION: J-211 Island A

SMEAR No.	Low Energy Beta Activity dpm/sample	Low Energy Beta Activity dpm/100cm^2
11	<50	<25

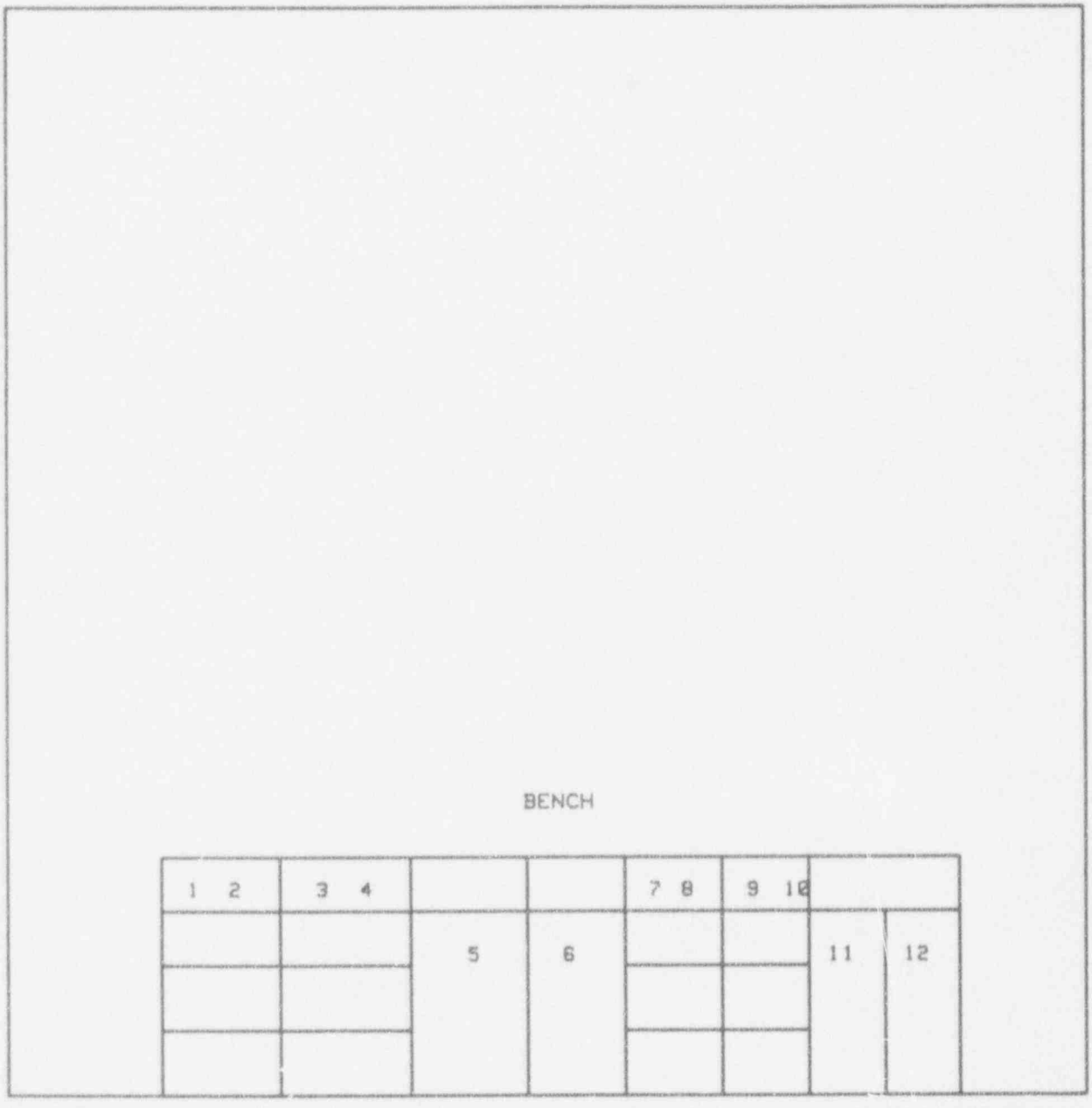
TELEDYNE ISOTOPES

DIAGRAM OF SURVEYED AREA

LOCATION: J-211 ISLAND-A

PRINCIPLE OCCUPANTS: _____

ISOTOPE USAGE: _____



TELEDYNE ISOTOPES

SMEAR RESULTS BY LIQUID SCINTILLATION COUNTING

LOCATION: J-211 Island B

SMEAR No.	Low Energy Beta Activity dpm/sample	Low Energy Beta Activity dpm/100cm^2
1	<50	<25
2	<50	<25
3	<50	<25
4	<50	<25
5	<50	<25
6	<50	<25
7	<50	<25
8	<50	<25
9	<50	<25
10	<50	<25
11	<50	<25
12	<50	<25

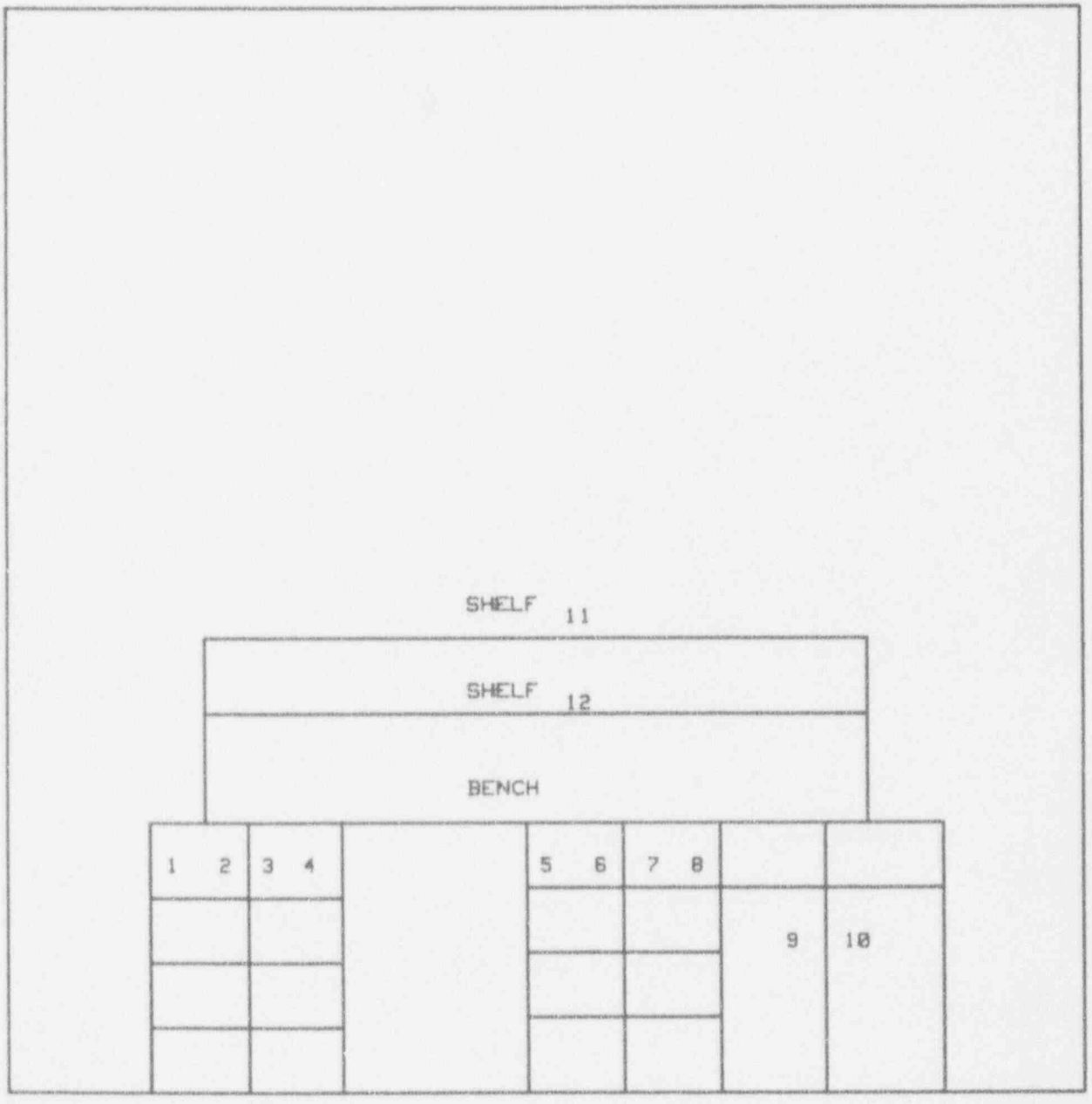
TELEDYNE ISOTOPES

DIAGRAM OF SURVEYED AREA

LOCATION: J-211 ISLAND-B

PRINCIPLE OCCUPANTS: _____

ISOTOPE USAGE: _____



TELEDYNE ISOTOPES

SMEAR RESULTS
BY LIQUID SCINTILLATION COUNTING

"INITIAL SURVEY"

LOCATION: J-211 Hood #1

SMEAR No.	Low Energy Beta Activity dpm/sample	Low Energy Beta Activity dpm/100cm^2
1	179 ±18	90
2	<50	<25
3	<50	<25
4	<50	<25
5	304 ±30	152
6	<50	<25
7	<50	<25
8	<50	<25
9	<50	<25
10	<50	<25

TELEDYNE ISOTOPES

SMEAR RESULTS BY LIQUID SCINTILLATION COUNTING

LOCATION: J-211 Hood #1

SMEAR No.	Low Energy Beta Activity dpm/sample	Low Energy Beta Activity dpm/100cm^2
1	137 ±14	69
5	<50	<25

TELEDYNE ISOTOPES

SMEAR RESULTS BY LIQUID SCINTILLATION COUNTING

LOCATION: J-212 Main View

SMEAR No.	Low Energy Beta Activity dpm/sample	Low Energy Beta Activity dpm/100cm^2
1	<50	<25
2	<50	<25
3	<50	<25
4	<50	<25
5	<50	<25
6	<50	<25
7	<50	<25
8	<50	<25
9	<50	<25
10	<50	<25
11	<50	<25
12	<50	<25
13	<50	<25
14	<50	<25

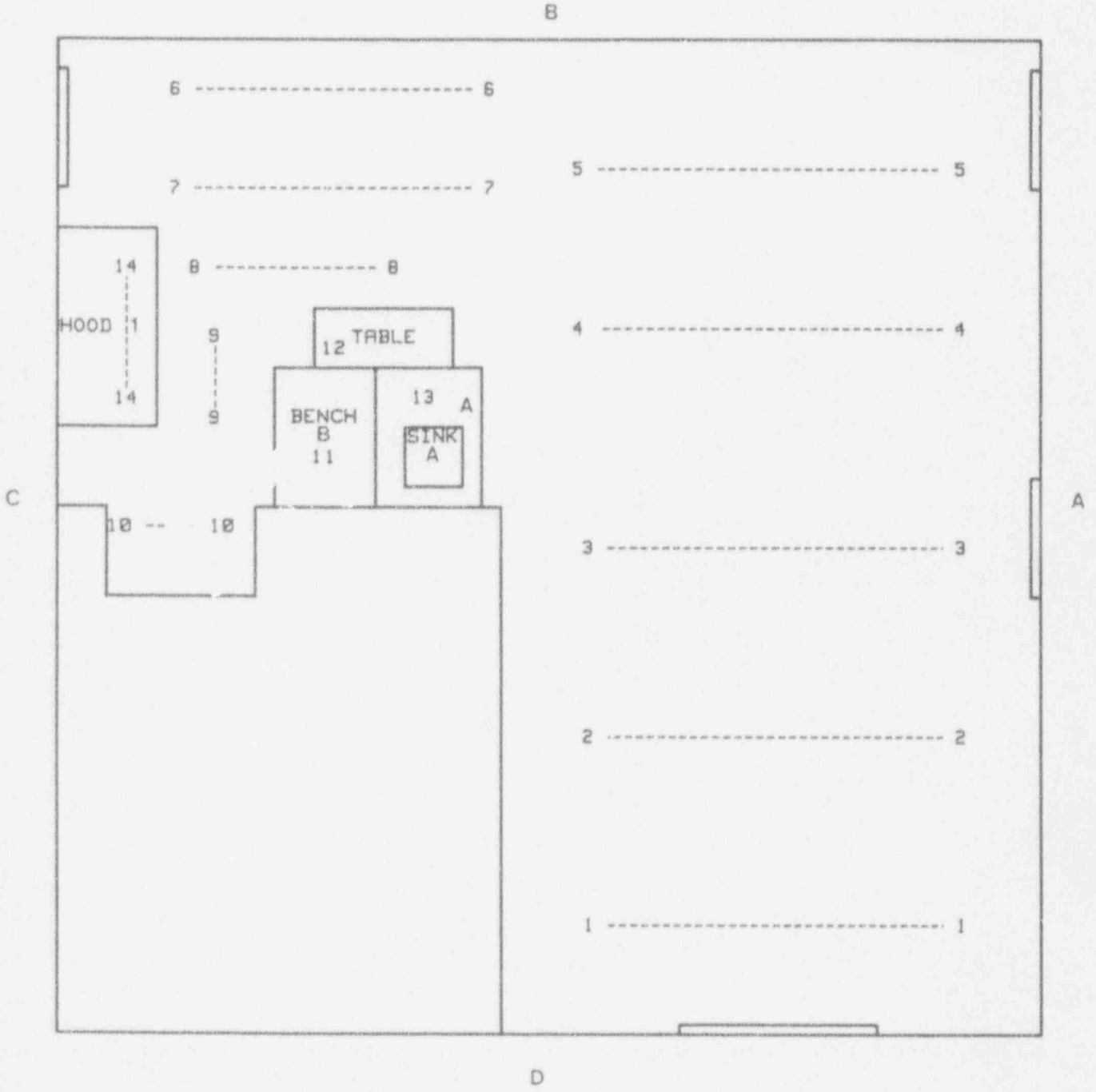
TELEDYNE ISOTOPES

DIAGRAM OF SURVEYED AREA

LOCATION: J-212 MAIN VIEW

PRINCIPLE OCCUPANTS: _____

ISOTOPE USAGE: _____



TELEDYNE ISOTOPES

SMEAR RESULTS BY LIQUID SCINTILLATION COUNTING

LOCATION: J-212 Island A

SMEAR No.	Low Energy Beta Activity dpm/sample	Low Energy Beta Activity dpm/100cm^2
1	<50	<25
2	<50	<25
3	<50	<25
4	<50	<25

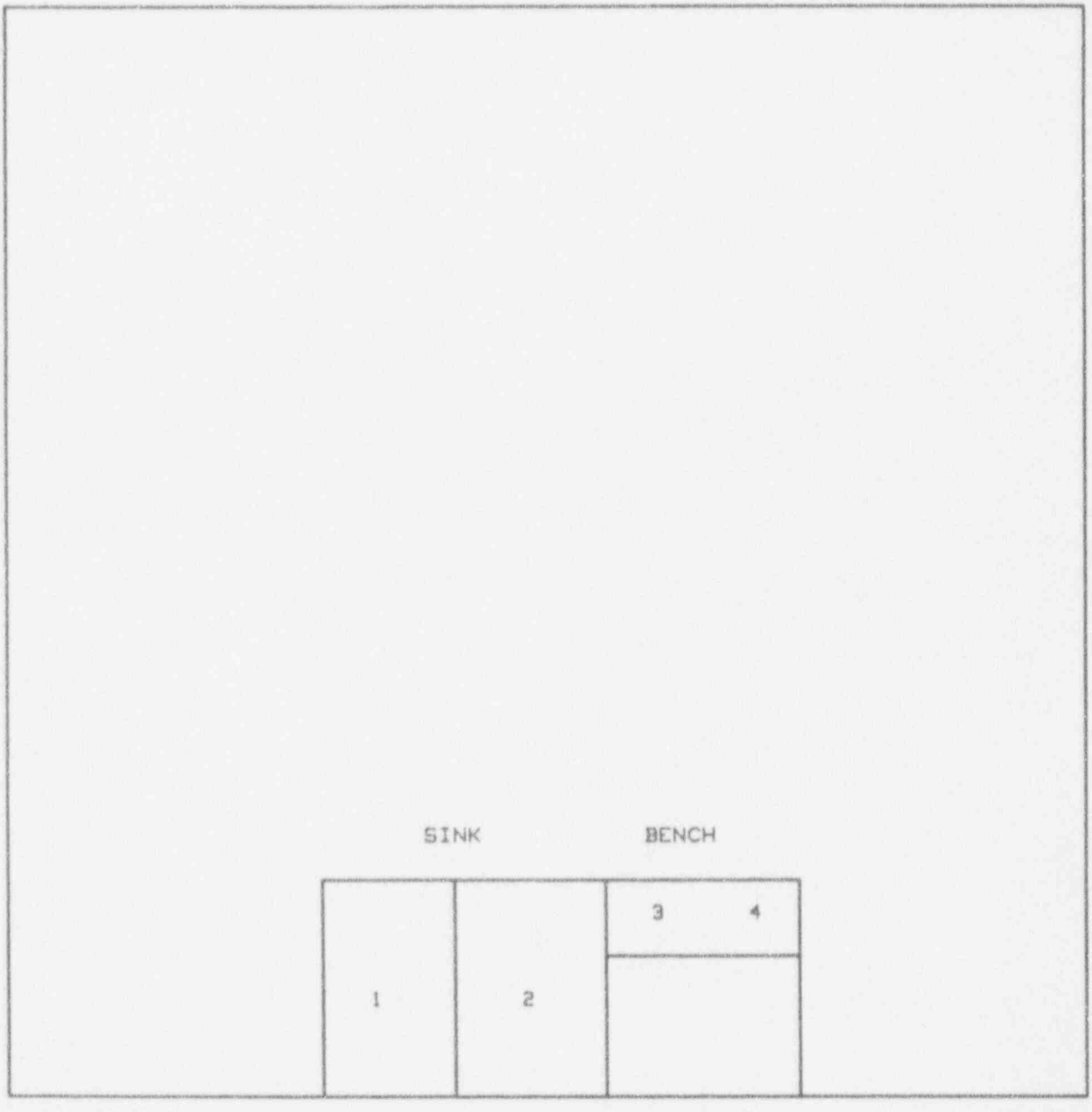
TELEDYNE ISOTOPES

DIAGRAM OF SURVEYED AREA

LOCATION: J-212 ISLAND-A

PRINCIPLE OCCUPANTS: _____

ISOTOPE USAGE: _____



TELEDYNE ISOTOPES

SMEAR RESULTS BY LIQUID SCINTILLATION COUNTING

LOCATION: J-212 Island B

SMEAR No.	Low Energy Beta Activity dpm/sample	Low Energy Beta Activity dpm/100cm^2
1	<50	<25
2	<50	<25

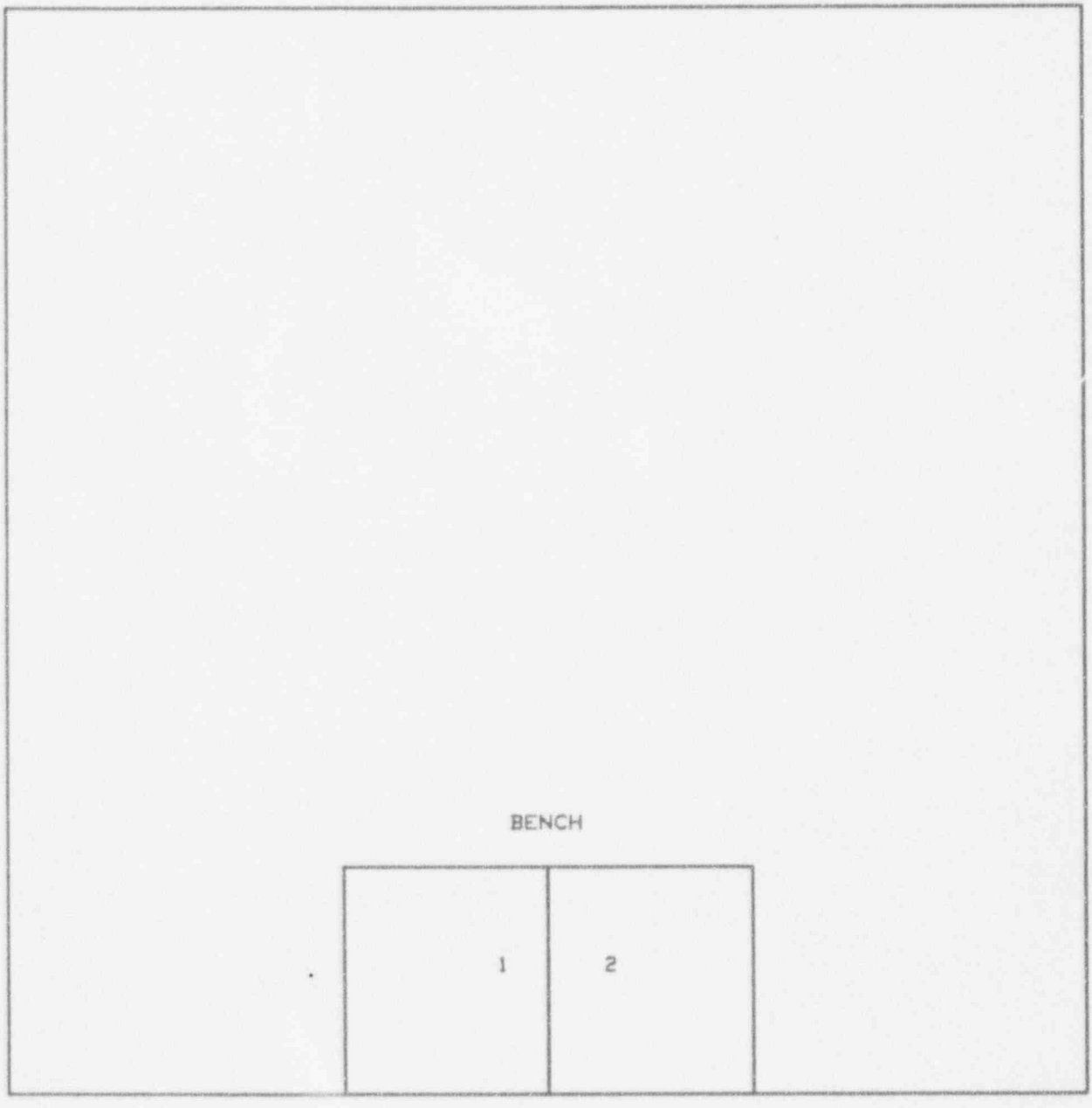
TELEDYNE ISOTOPES

DIAGRAM OF SURVEYED AREA

LOCATION: J-212 ISLAND-B

PRINCIPLE OCCUPANTS:

ISOTOPE USAGE:



TELEDYNE ISOTOPES

SMEAR RESULTS BY LIQUID SCINTILLATION COUNTING

LOCATION: J-212 Hood #1

SMEAR No.	Low Energy Beta Activity dpm/sample	Low Energy Beta Activity dpm/100cm^2
1	<50	<25
2	<50	<25
3	<50	<25
4	<50	<25
5	<50	<25
6	<50	<25
7	<50	<25
8	<50	<25
9	<50	<25
10	<50	<25

TELEDYNE ISOTOPES

SMEAR RESULTS
BY LIQUID SCINTILLATION COUNTING

"INITIAL SURVEY"

LOCATION: J-213 Main View

SMEAR No.	Low Energy Beta Activity dpm/sample	Low Energy Beta Activity dpm/100cm^2
1	<50	<25
2	<50	<25
3	<50	<25
4	<50	<25
5	<50	<25
6	<50	<25
7	75 ±8	38
8	<50	<25
9	661 ±66	331

TELEDYNE ISOTOPES

SMEAR RESULTS
BY LIQUID SCINTILLATION
COUNTING

"POST DECON SURVEY"

LOCATION: J-213 Main View

SMEAR No.	Low Energy Beta Activity dpm/sample	Low Energy Beta Activity dpm/100cm^2
7	<50	<25
9	<50	<25

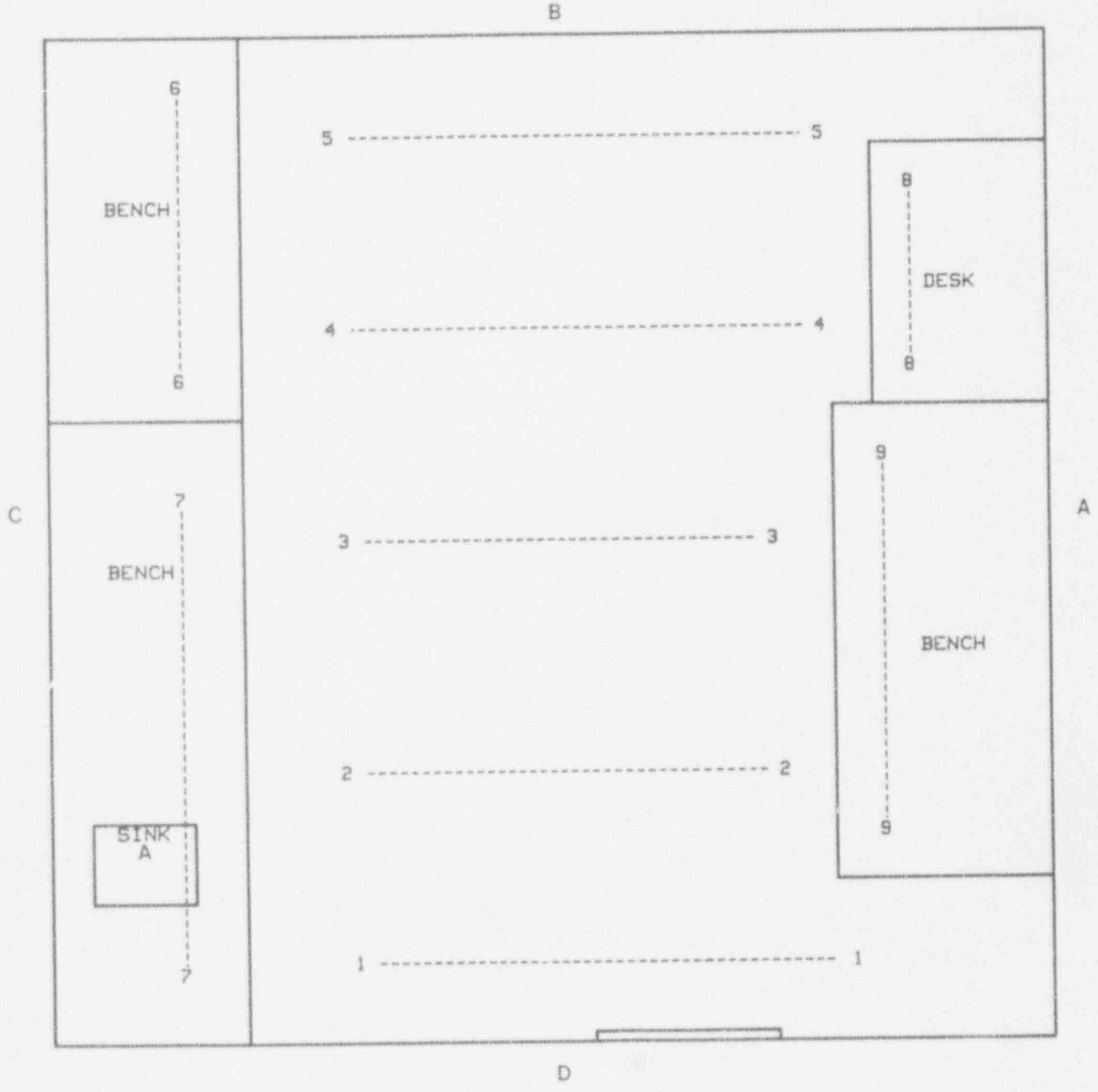
TELEDYNE ISOTOPES

DIAGRAM OF SURVEYED AREA

LOCATION: J-213 MAIN VIEW

PRINCIPLE OCCUPANTS: _____

ISOTOPE USAGE: _____



TELEDYNE ISOTOPES

SMEAR RESULTS
BY LIQUID SCINTILLATION COUNTING

"INITIAL SURVEY"

LOCATION: J-213 View A

SMEAR No.	Low Energy Beta Activity dpm/sample	Low Energy Beta Activity dpm/100cm^2
1	<50	<25
2	<50	<25
3	<50	<25
4	<50	<25
5	<50	<25
6	199 ±20	100
7	<50	<25
8	<50	<25
9	<50	<25
10	<50	<25
11	<50	<25
12	<50	<25
13	<50	<25
14	214 ±21	107
15	<50	<25
16	<50	<25
17	<50	<25
18	<50	<25
19	<50	<25
20	<50	<25

TELEDYNE ISOTOPES

SMEAR RESULTS
BY LIQUID SCINTILLATION
COUNTING

"POST DECON SURVEY"

LOCATION: J-213 View A

SMEAR No.	Low Energy Beta Activity dpm/sample	Low Energy Beta Activity dpm/100cm^2
6	<50	<25
14	<50	<25

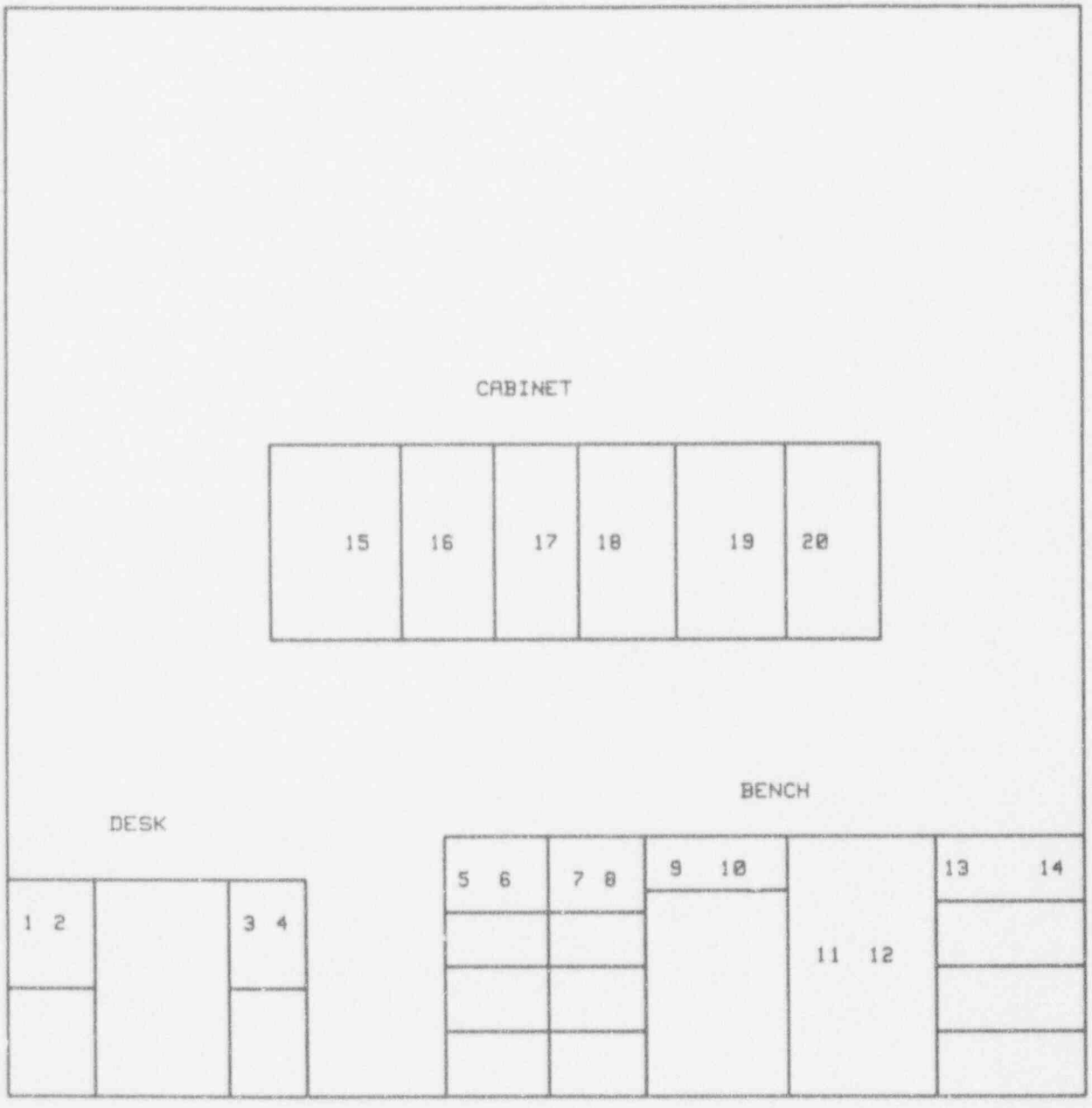
TELEDYNE ISOTOPES

DIAGRAM OF SURVEYED AREA

LOCATION: J-213 VIEW-A

PRINCIPLE OCCUPANTS: _____

ISOTOPE USAGE: _____



TELEDYNE ISOTOPES

SMEAR RESULTS
BY LIQUID SCINTILLATION
COUNTING

"INITIAL SURVEY"

LOCATION: J-213 View C

SMEAR No.	Low Energy Beta Activity dpm/sample	Low Energy Beta Activity dpm/100cm^2
1	<50	<25
2	<50	<25
3	<50	<25
4	<50	<25
5	<50	<25
6	<50	<25
7	<50	<25
8	646 ±65	323
9	<50	<25
10	<50	<25
11	<50	<25
12	<50	<25
13	<50	<25
14	<50	<25
15	<50	<25
16	<50	<25

TELEDYNE ISOTOPES

SMEAR RESULTS
BY LIQUID SCINTILLATION
COUNTING

"POST DECON SURVEY"

LOCATION: J-213 View C

SMEAR No.	Low Energy Beta Activity dpm/sample	Low Energy Beta Activity dpm/100cm^2
8	<50	<25

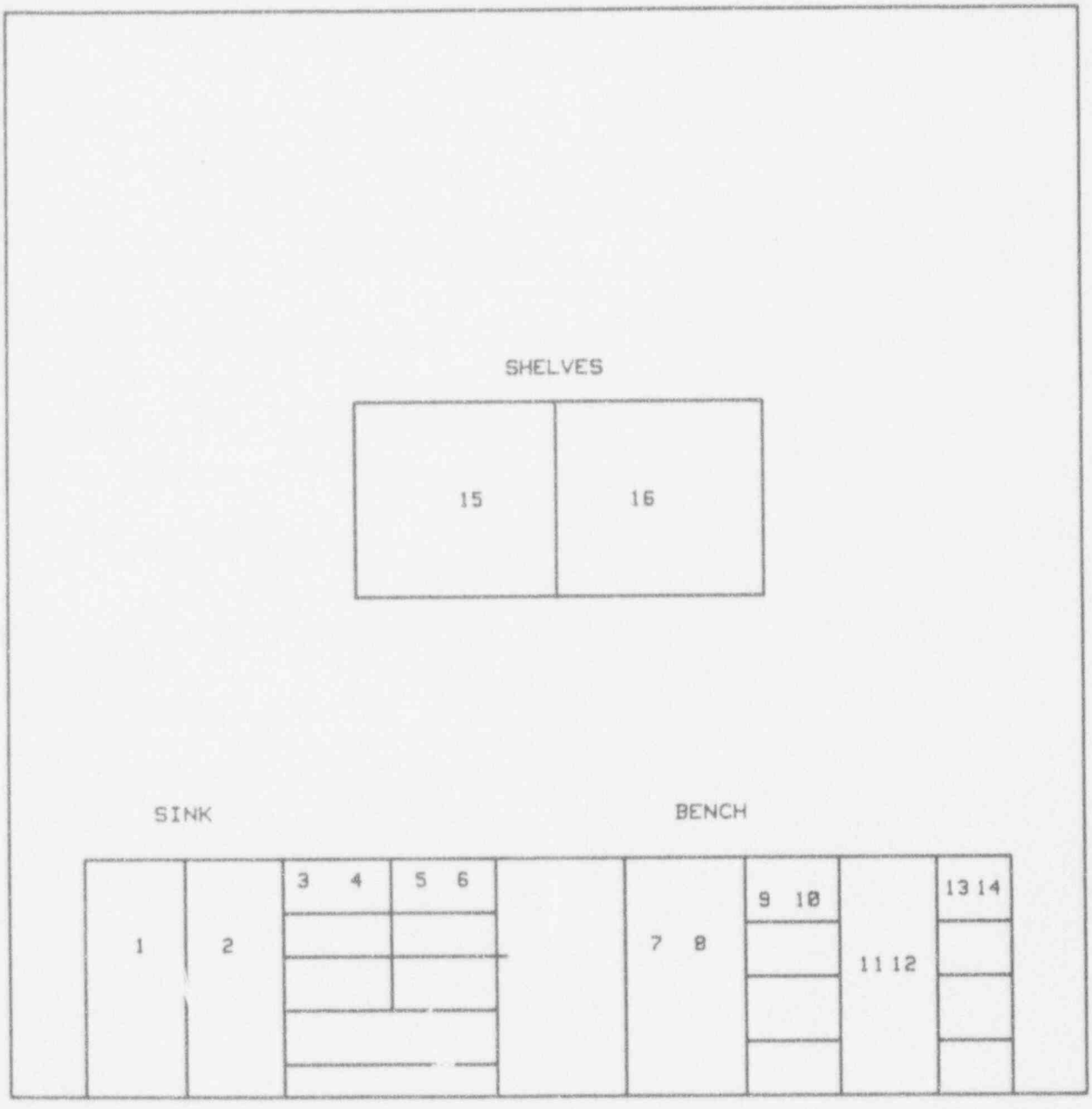
TELEDYNE ISOTOPES

DIAGRAM OF SURVEYED AREA

LOCATION: J-213 VIEW-C

PRINCIPLE OCCUPANTS: _____

ISOTOPE USAGE: _____



TELEDYNE ISOTOPES

SMEAR RESULTS BY LIQUID SCINTILLATION COUNTING

LOCATION: J-214 Main View

SMEAR No.	Low Energy Beta Activity dpm/sample	Low Energy Beta Activity dpm/100cm^2
1	<50	<25
2	<50	<25
3	<50	<25
4	<50	<25
5	<50	<25
6	<50	<25
7	<50	<25
8	<50	<25
9	<50	<25
10	<50	<25
11	<50	<25
12	<50	<25
13	<50	<25
14	<50	<25
15	<50	<25
16	<50	<25
17	<50	<25
18	<50	<25
19	<50	<25
20	<50	<25

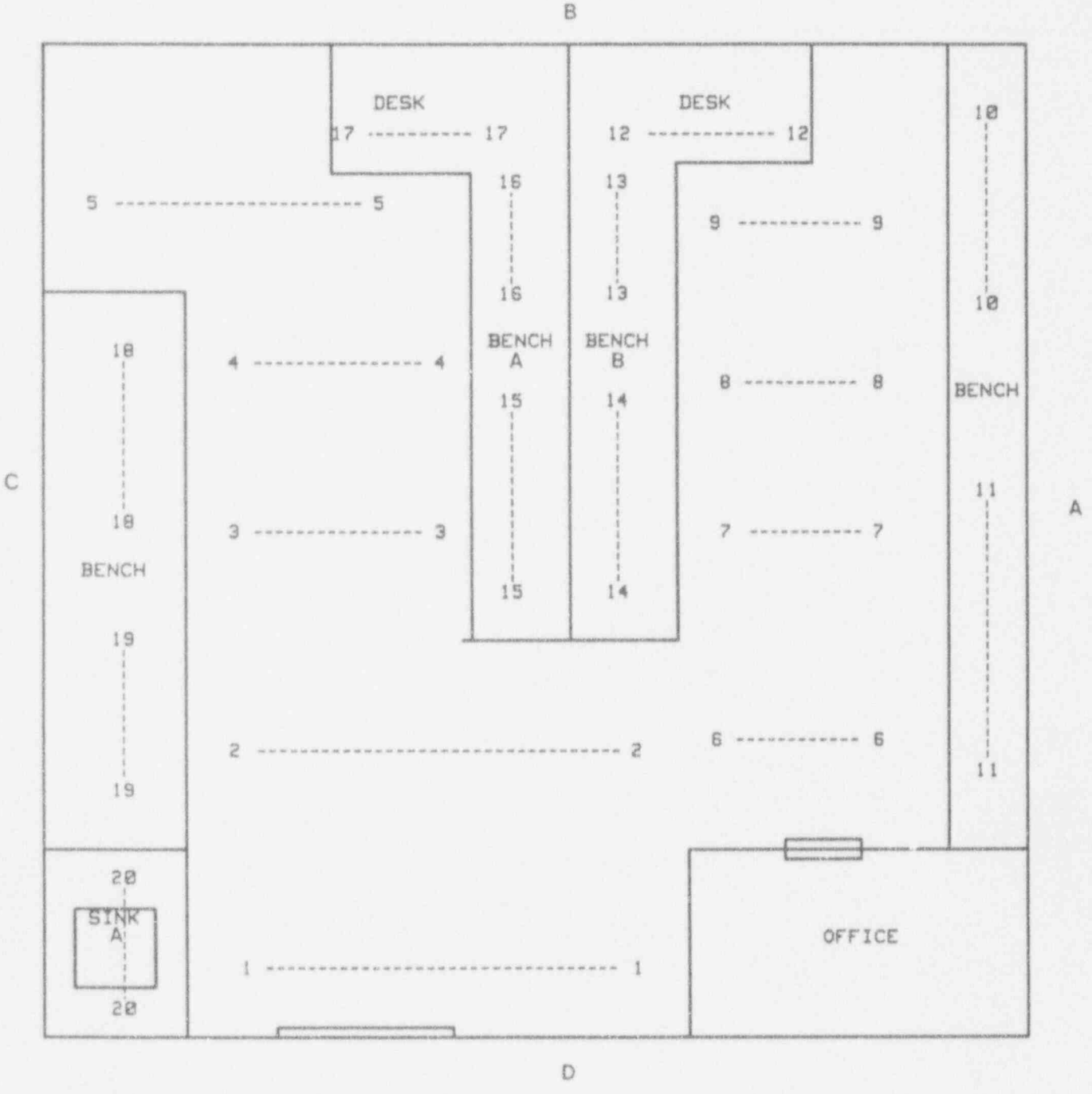
TELEDYNE ISOTOPES

DIAGRAM OF SURVEYED AREA

LOCATION: J-214 MAIN VIEW

PRINCIPLE OCCUPANTS: _____

ISOTOPE USAGE: _____



TELEDYNE ISOTOPES

SMEAR RESULTS BY LIQUID SCINTILLATION COUNTING

LOCATION: J-214 View A

SMEAR No.	Low Energy Beta Activity dpm/sample	Low Energy Beta Activity dpm/100cm^2
1	<50	<25
2	<50	<25
3	<50	<25
4	<50	<25
5	<50	<25
6	<50	<25
7	<50	<25
8	<50	<25
9	<50	<25
10	<50	<25
11	<50	<25
12	<50	<25
13	<50	<25
14	<50	<25
15	<50	<25
16	<50	<25
17	<50	<25
18	<50	<25

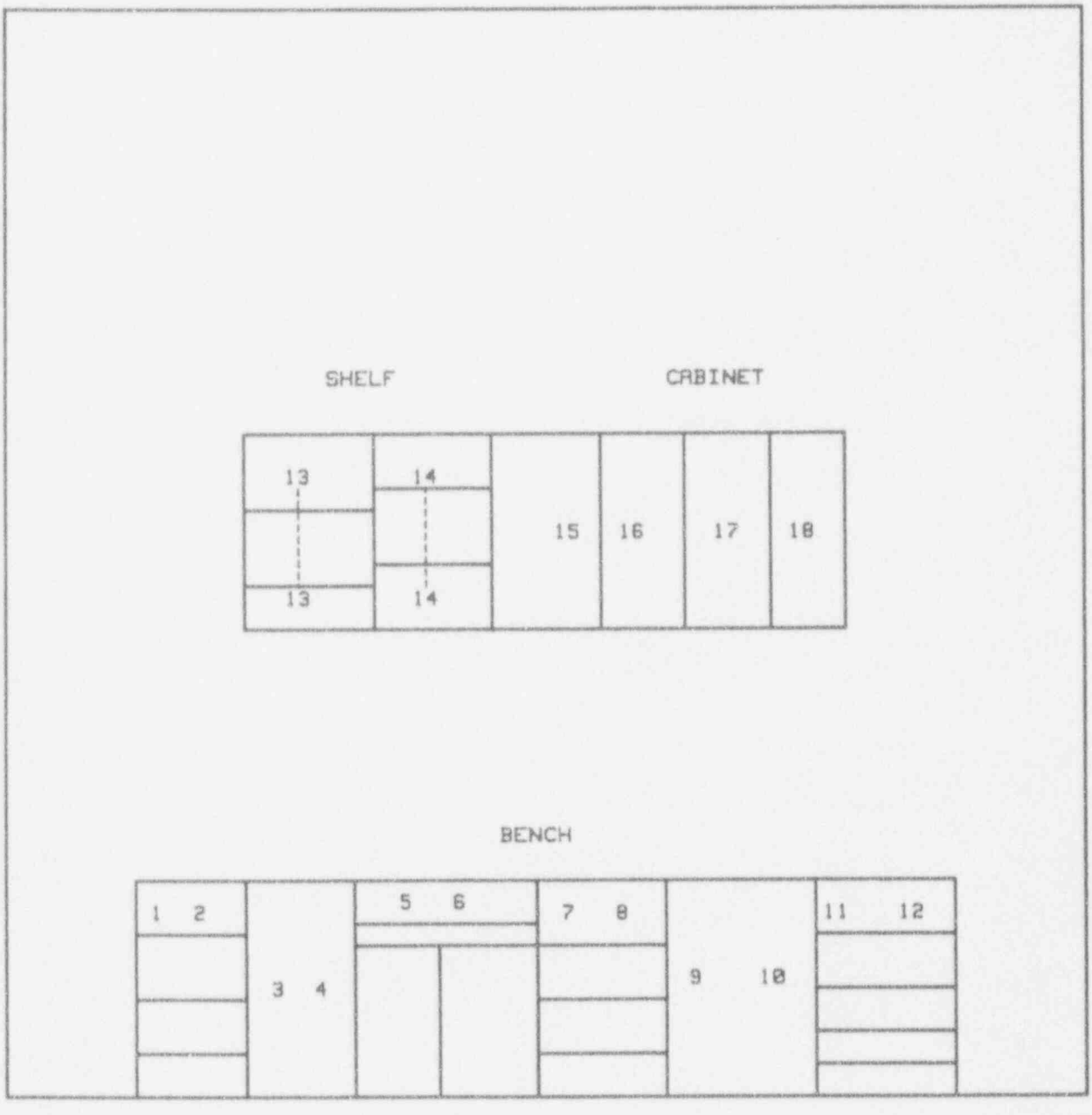
TELEDYNE ISOTOPES

DIAGRAM OF SURVEYED AREA

LOCATION: J-214 VIEW-A

PRINCIPLE OCCUPANTS: _____

ISOTOPE USAGE: _____



TELEDYNE ISOTOPES

SMEAR RESULTS BY LIQUID SCINTILLATION COUNTING

LOCATION: J-214 View B

SMEAR No.	Low Energy Beta Activity dpm/sample	Low Energy Beta Activity dpm/100cm^2
1	<50	<25
2	<50	<25
3	<50	<25
4	<50	<25
5	<50	<25
6	<50	<25
7	<50	<25
8	<50	<25
9	<50	<25

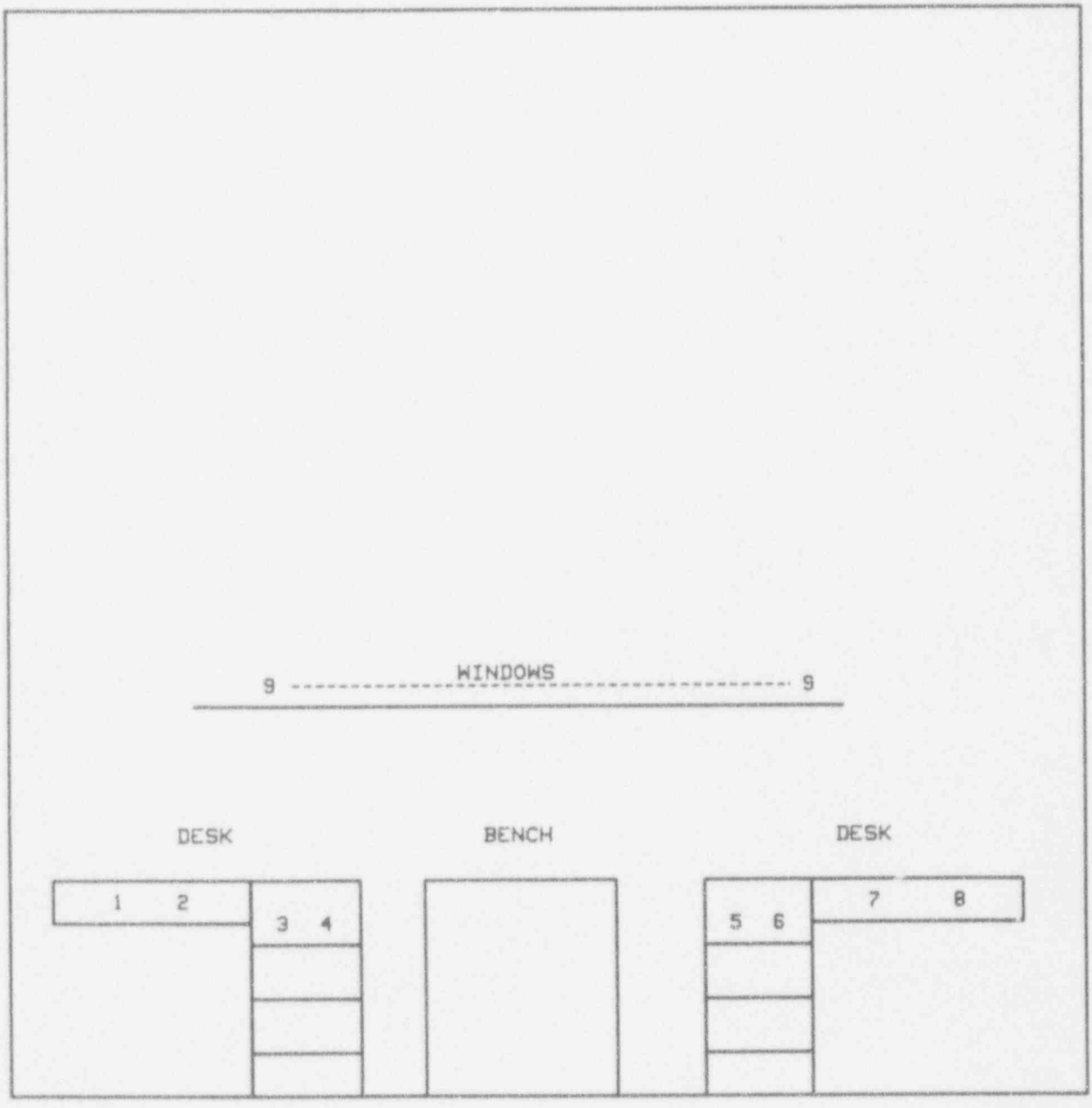
TELEDYNE ISOTOPES

DIAGRAM OF SURVEYED AREA

LOCATION: J-214 VIEW-B

PRINCIPLE OCCUPANTS: _____

ISOTOPE USAGE: _____



TELEDYNE ISOTOPES

SMEAR RESULTS BY LIQUID SCINTILLATION COUNTING

LOCATION: J-214 View C

SMEAR No.	Low Energy Beta Activity dpm/sample	Low Energy Beta Activity dpm/100cm^2
1	<50	<25
2	<50	<25
3	<50	<25
4	<50	<25
5	<50	<25
6	<50	<25
7	<50	<25
8	<50	<25
9	<50	<25
10	<50	<25
11	<50	<25
12	<50	<25
13	<50	<25
14	<50	<25
15	<50	<25
16	<50	<25
17	<50	<25
18	<50	<25
19	<50	<25
20	<50	<25

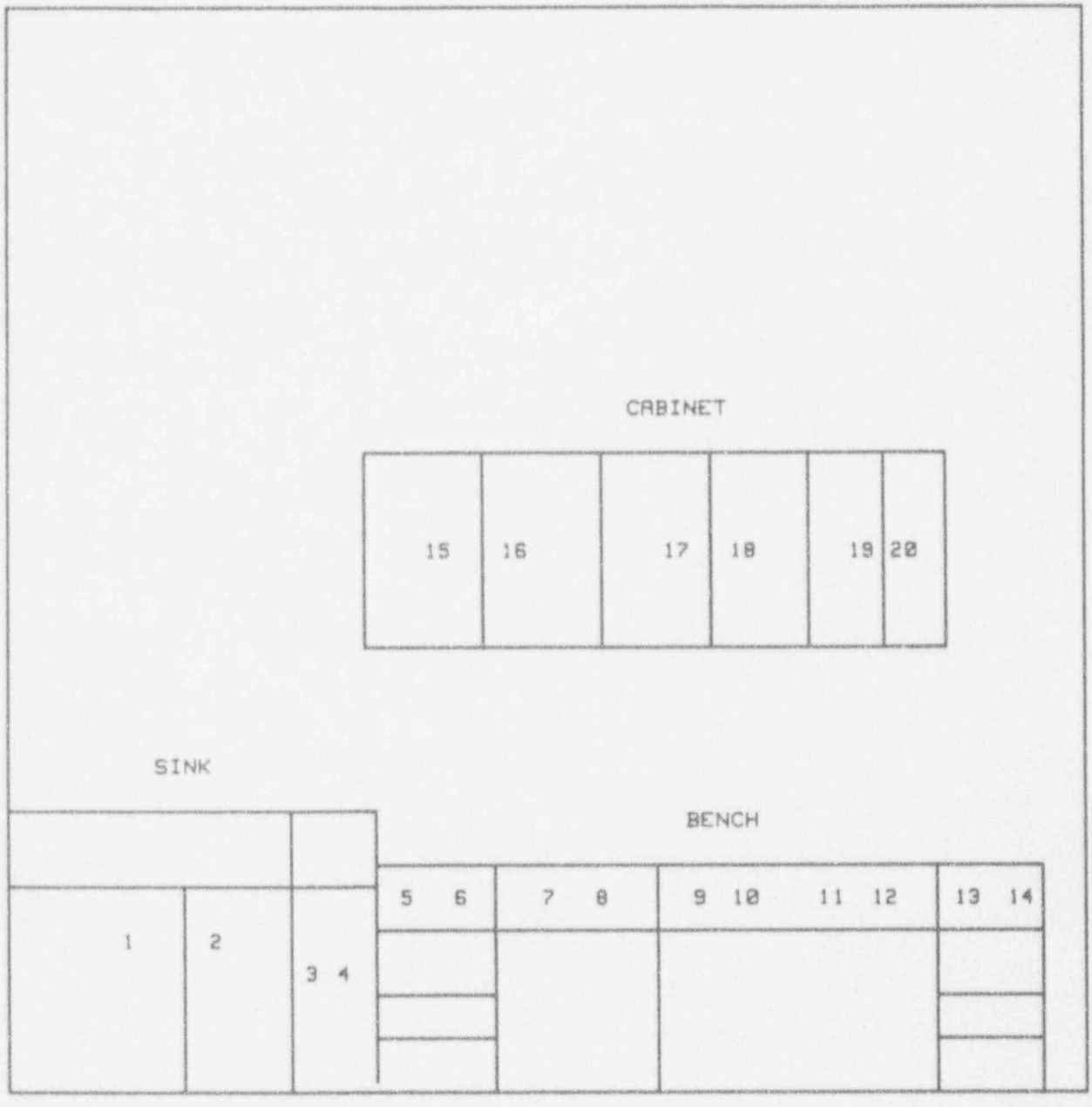
TELEDYNE ISOTOPES

DIAGRAM OF SURVEYED AREA

LOCATION: J-214 VIEW-C

PRINCIPLE OCCUPANTS: _____

ISOTOPE USAGE: _____



TELEDYNE ISOTOPES

SMEAR RESULTS BY LIQUID SCINTILLATION COUNTING

LOCATION: J-214 Island A

SMEAR No.	Low Energy Beta Activity dpm/sample	Low Energy Beta Activity dpm/100cm^2
1	<50	<25
2	<50	<25
3	<50	<25
4	<50	<25
5	<50	<25
6	<50	<25

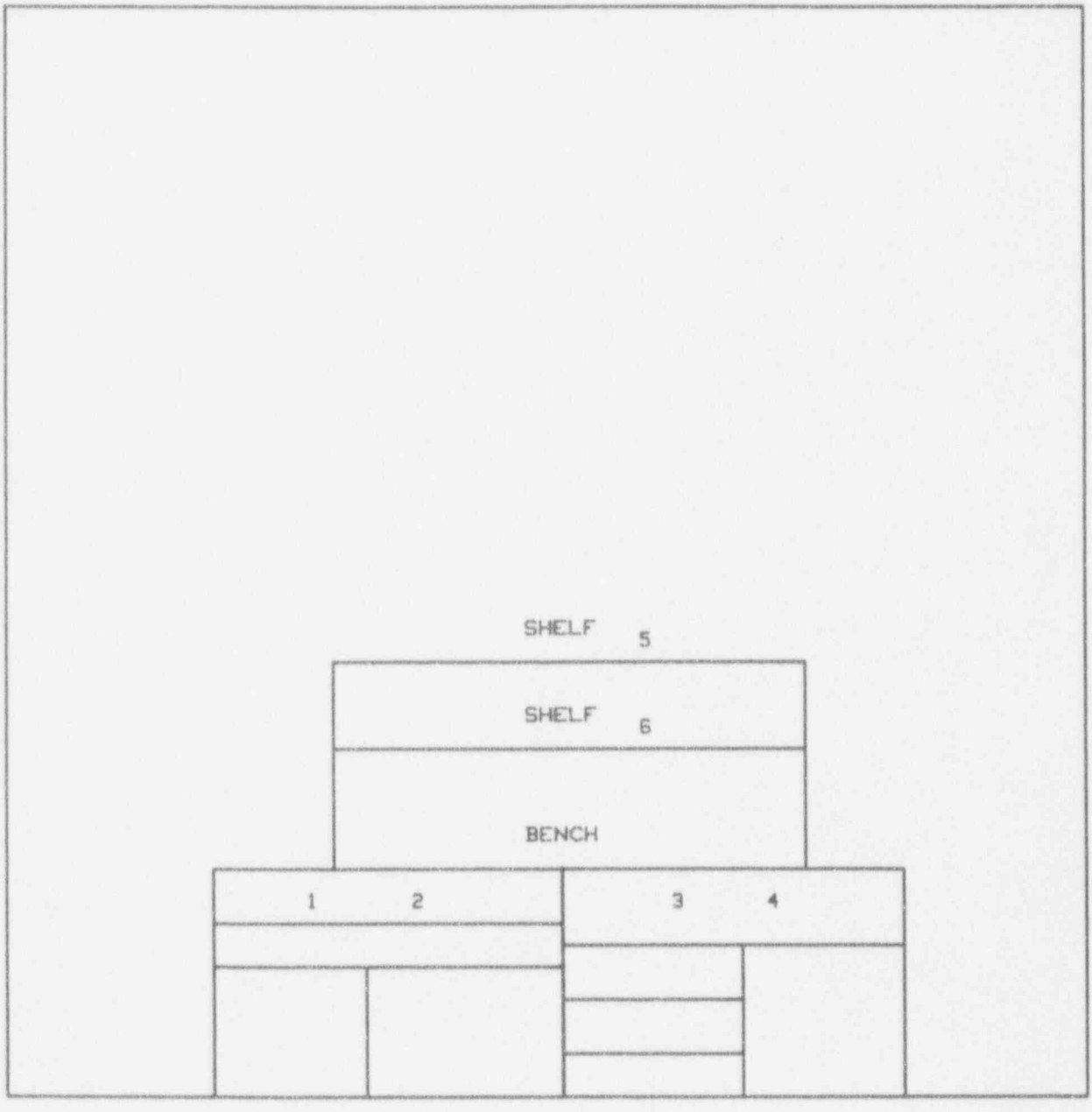
TELEDYNE ISOTOPES

DIAGRAM OF SURVEYED AREA

LOCATION: J-214 ISLAND-A

PRINCIPLE OCCUPANTS: _____

ISOTOPE USAGE: _____



TELEDYNE ISOTOPES

SMEAR RESULTS BY LIQUID SCINTILLATION COUNTING

LOCATION: J-214 Island B

SMEAR No.	Low Energy Beta Activity dpm/sample	Low Energy Beta Activity dpm/100cm^2
1	<50	<25
2	<50	<25
3	<50	<25
4	<50	<25
5	<50	<25
6	<50	<25
7	<50	<25
8	<50	<25

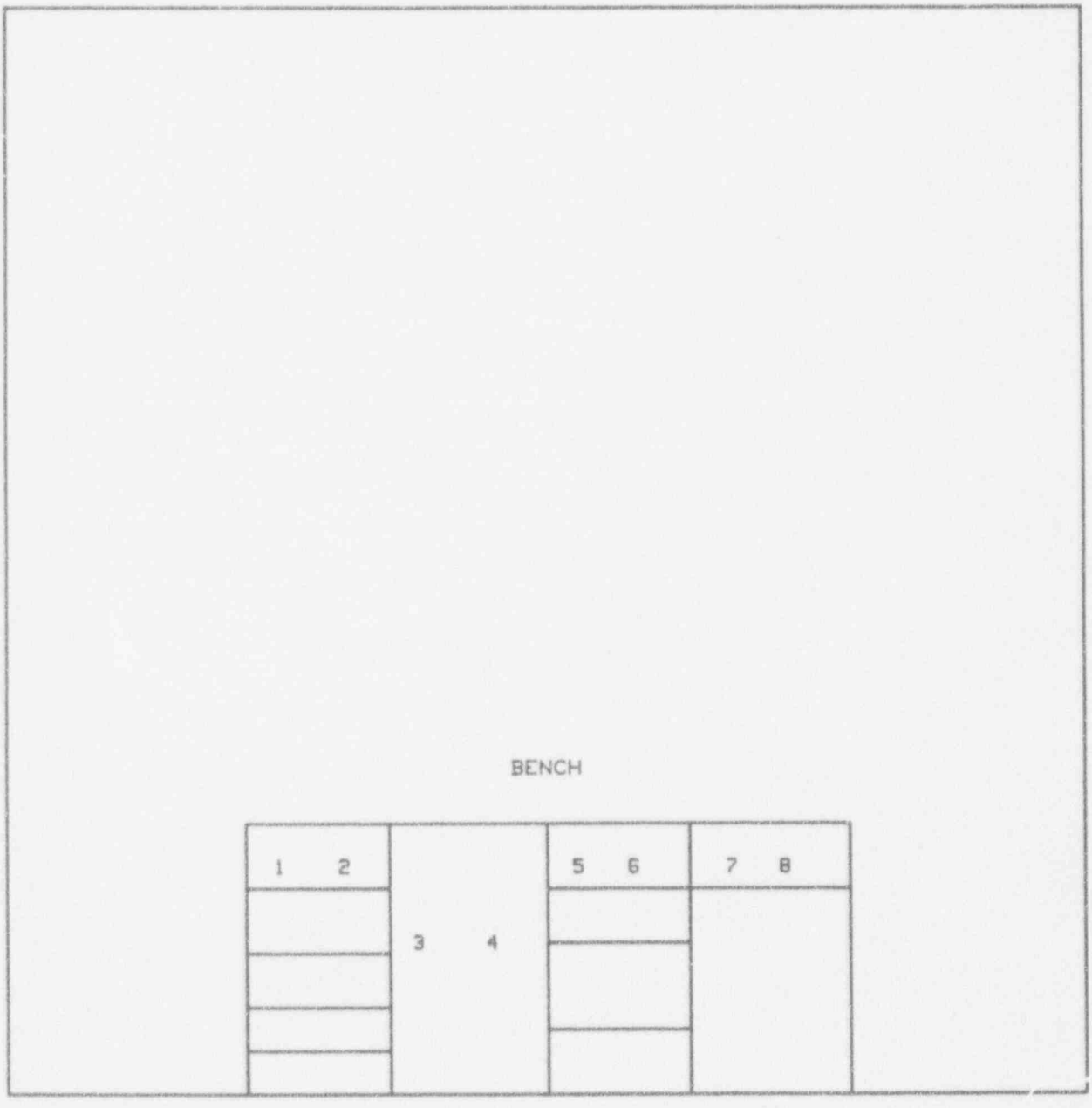
TELEDYNE ISOTOPES

DIAGRAM OF SURVEYED AREA

LOCATION: J-214 ISLAND-B

PRINCIPLE OCCUPANTS: _____

ISOTOPE USAGE: _____



TELEDYNE ISOTOPES

SMEAR RESULTS BY LIQUID SCINTILLATION COUNTING

LOCATION: J-215 Main View

SMEAR No.	Low Energy Beta Activity dpm/sample	Low Energy Beta Activity dpm/100cm^2
1	<50	<25
2	<50	<25
3	<50	<25
4	<50	<25
5	<50	<25
6	<50	<25
7	<50	<25
8	<50	<25
9	<50	<25
10	<50	<25
11	<50	<25
12	<50	<25
13	<50	<25
14	<50	<25
15	<50	<25
16	<50	<25
17	<50	<25
18	<50	<25
19	<50	<25
20	<50	<25

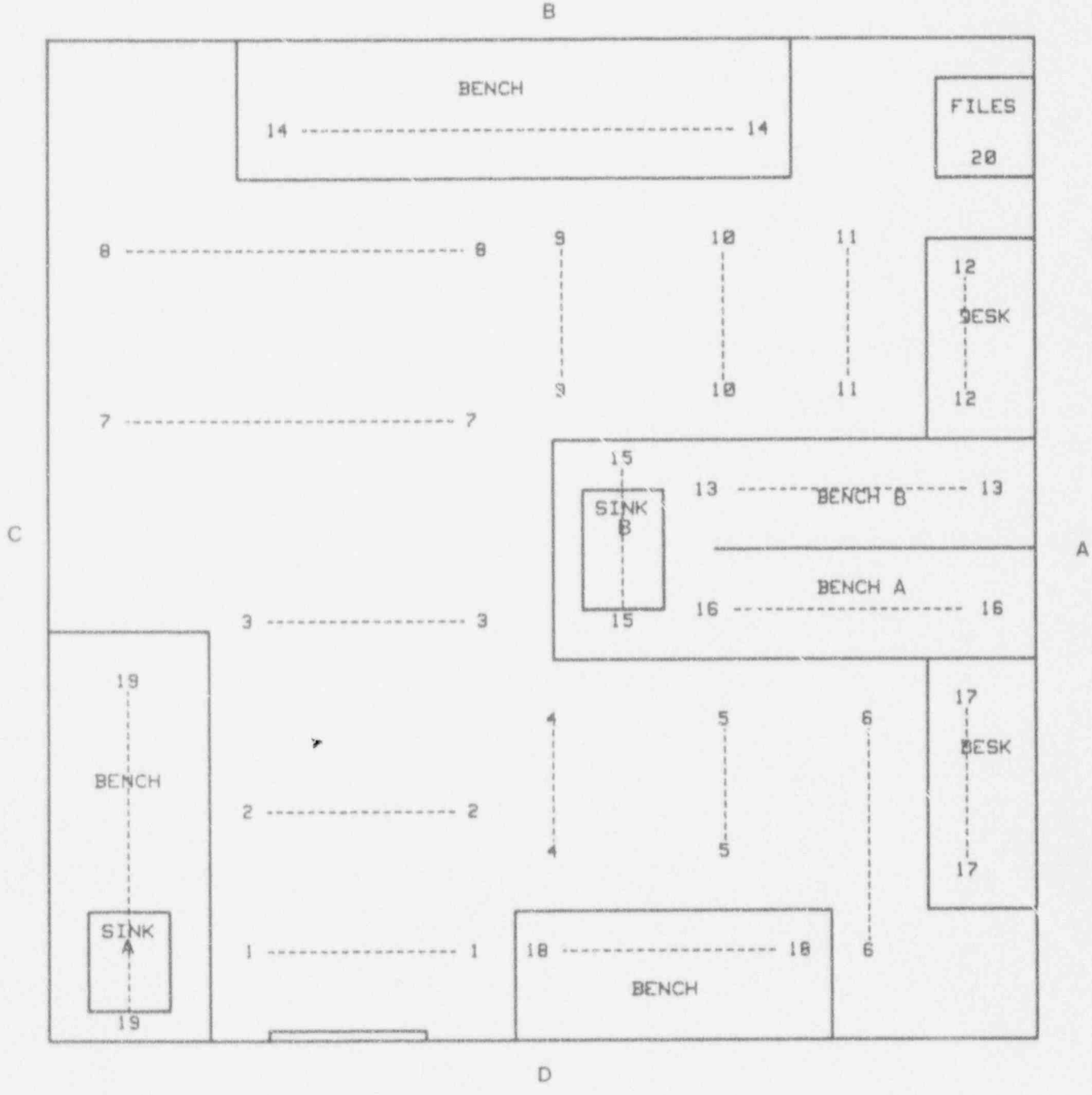
TELEDYNE ISOTOPES

DIAGRAM OF SURVEYED AREA

LOCATION: J-215 MAIN VIEW

PRINCIPLE OCCUPANTS: _____

ISOTOPE USAGE: _____



TELEDYNE ISOTOPES

SMEAR RESULTS BY LIQUID SCINTILLATION COUNTING

LOCATION: J-215 View A

SMEAR No.	Low Energy Beta Activity dpm/sample	Low Energy Beta Activity dpm/100cm^2
1	<50	<25
2	<50	<25
3	<50	<25
4	<50	<25
5	<50	<25
6	<50	<25
7	<50	<25
8	<50	<25
9	<50	<25
10	<50	<25
11	<50	<25
12	<50	<25
13	<50	<25
14	<50	<25
15	<50	<25
16	<50	<25
17	<50	<25
18	<50	<25
19	<50	<25
20	<50	<25

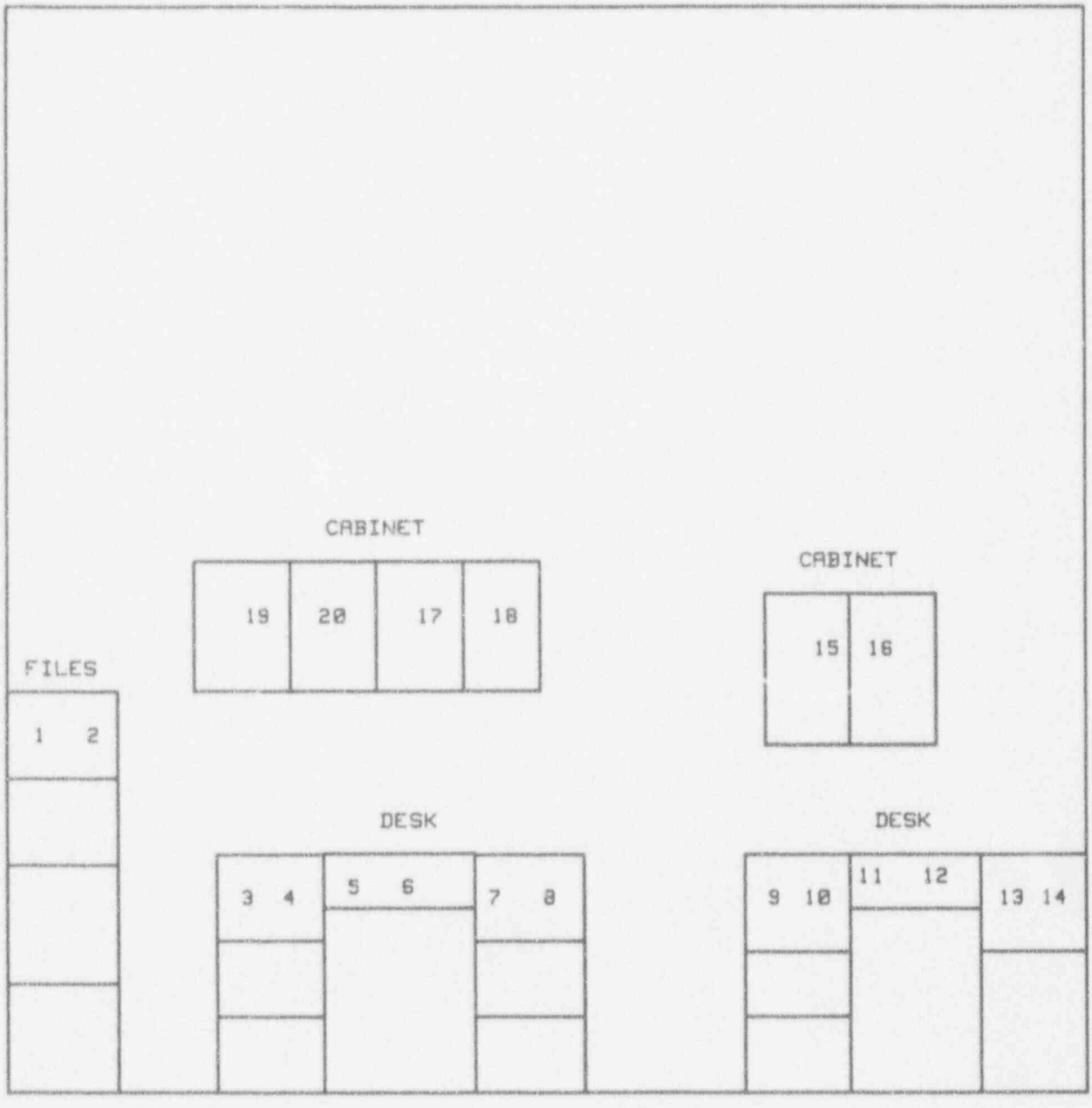
TELEDYNE ISOTOPES

DIAGRAM OF SURVEYED AREA

LOCATION: J-215 VIEW-A

PRINCIPLE OCCUPANTS: _____

ISOTOPE USAGE: _____



TELEDYNE ISOTOPES

SMEAR RESULTS BY LIQUID SCINTILLATION COUNTING

LOCATION: J-215 View B

SMEAR No.	Low Energy Beta Activity dpm/sample	Low Energy Beta Activity dpm/100cm^2
1	<50	<25
2	<50	<25
3	<50	<25
4	<50	<25
5	<50	<25
6	<50	<25
7	<50	<25
8	<50	<25
9	<50	<25
10	<50	<25
11	<50	<25

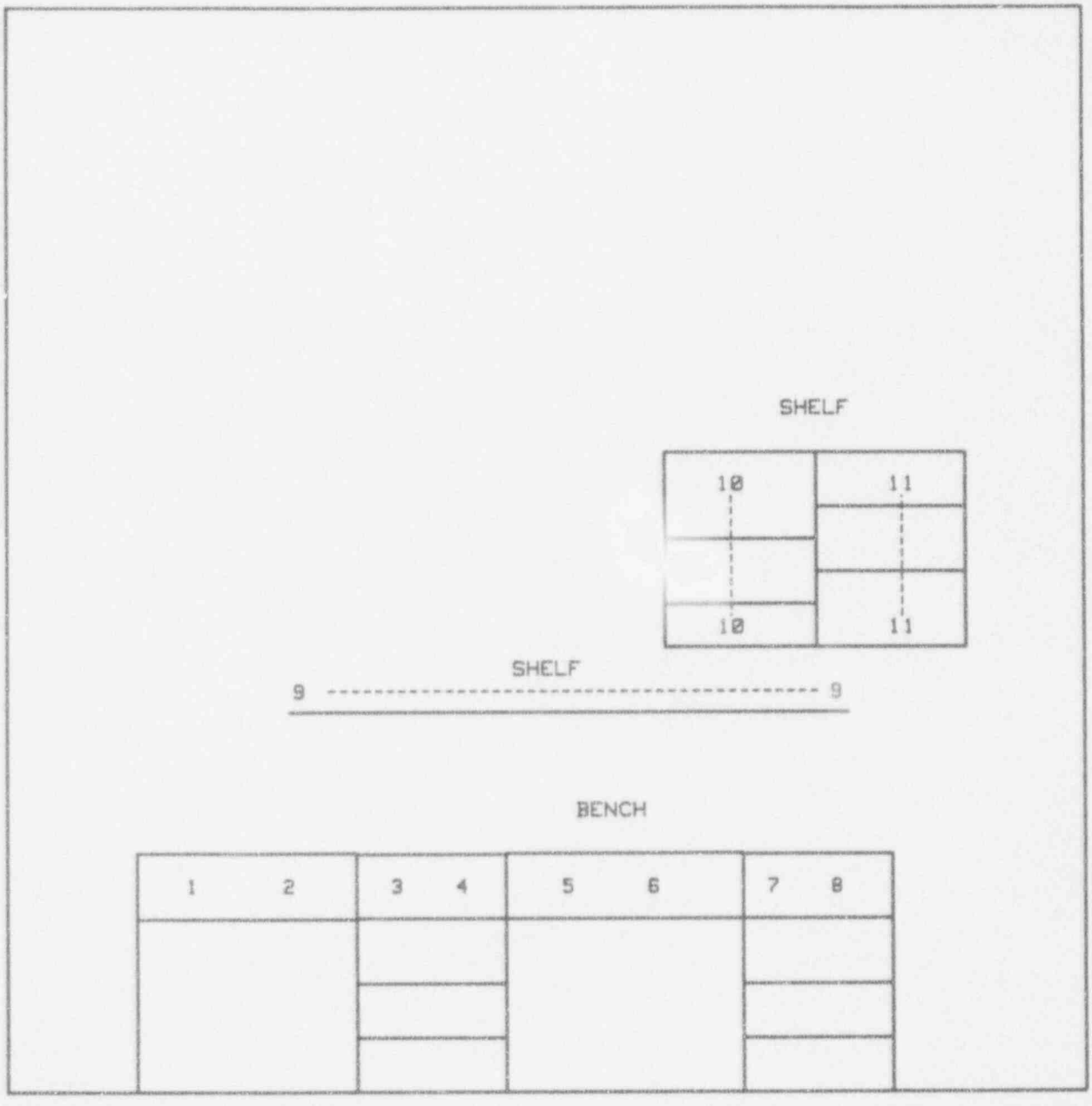
TELEDYNE ISOTOPES

DIAGRAM OF SURVEYED AREA

LOCATION: J-215 VIEW-B

PRINCIPLE OCCUPANTS: _____

ISOTOPE USAGE: _____



TELEDYNE ISOTOPES

SMEAR RESULTS BY LIQUID SCINTILLATION COUNTING

LOCATION: J-215 View C

SMEAR No.	Low Energy Beta Activity dpm/sample	Low Energy Beta Activity dpm/100cm^2
1	<50	<25
2	<50	<25
3	<50	<25
4	<50	<25
5	<50	<25
6	<50	<25
7	<50	<25
8	<50	<25
9	<50	<25
10	<50	<25

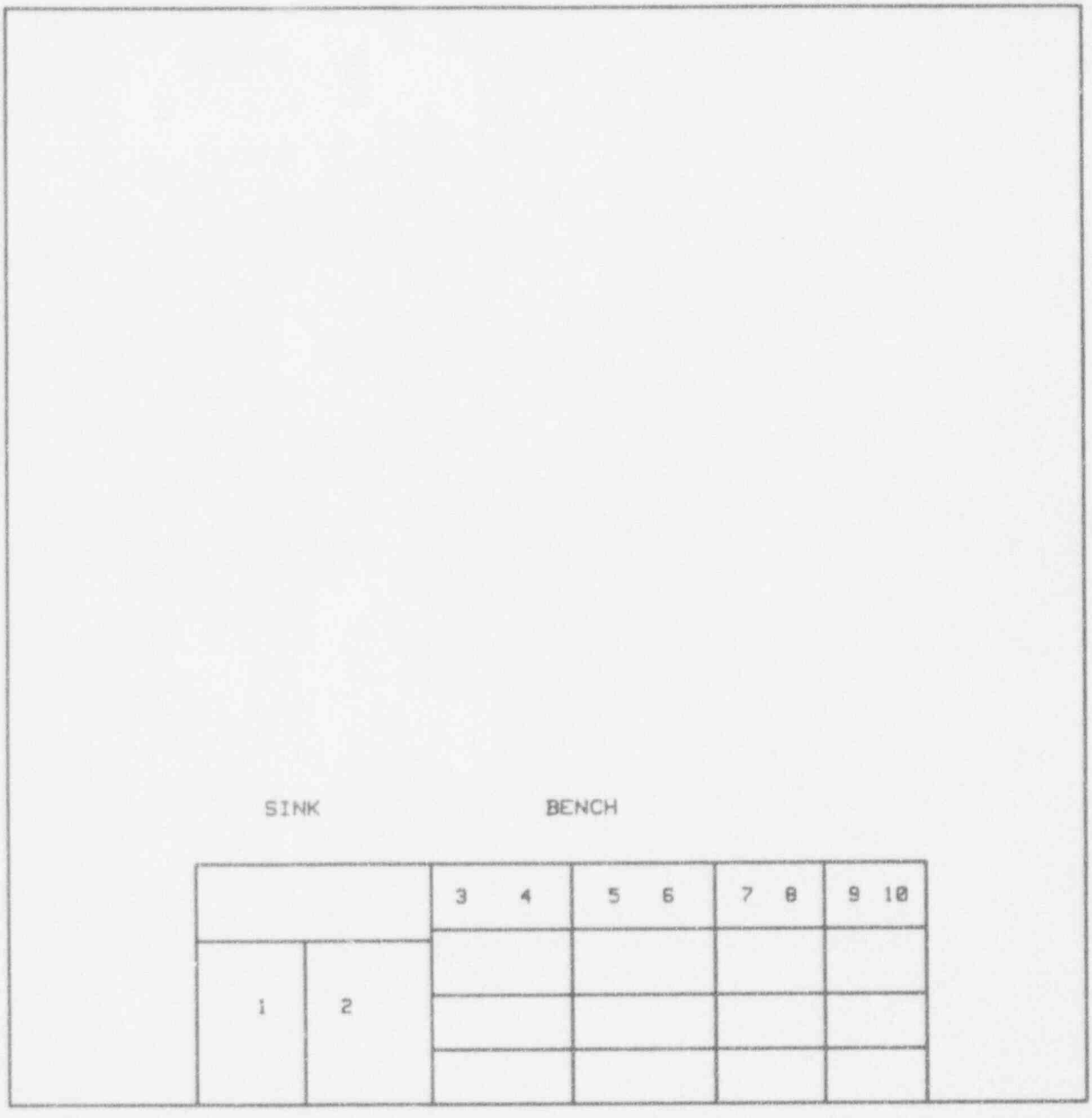
TELEDYNE ISOTOPES

DIAGRAM OF SURVEYED AREA

LOCATION: J-215 VIEW-C

PRINCIPLE OCCUPANTS: _____

ISOTOPE USAGE: _____



TELEDYNE ISOTOPES

SMEAR RESULTS BY LIQUID SCINTILLATION COUNTING

LOCATION: J-215 View D

SMEAR No.	Low Energy Beta Activity dpm/sample	Low Energy Beta Activity dpm/100cm^2
1	<50	<25
2	<50	<25
3	<50	<25
4	<50	<25
5	<50	<25
6	<50	<25
7	<50	<25
8	<50	<25

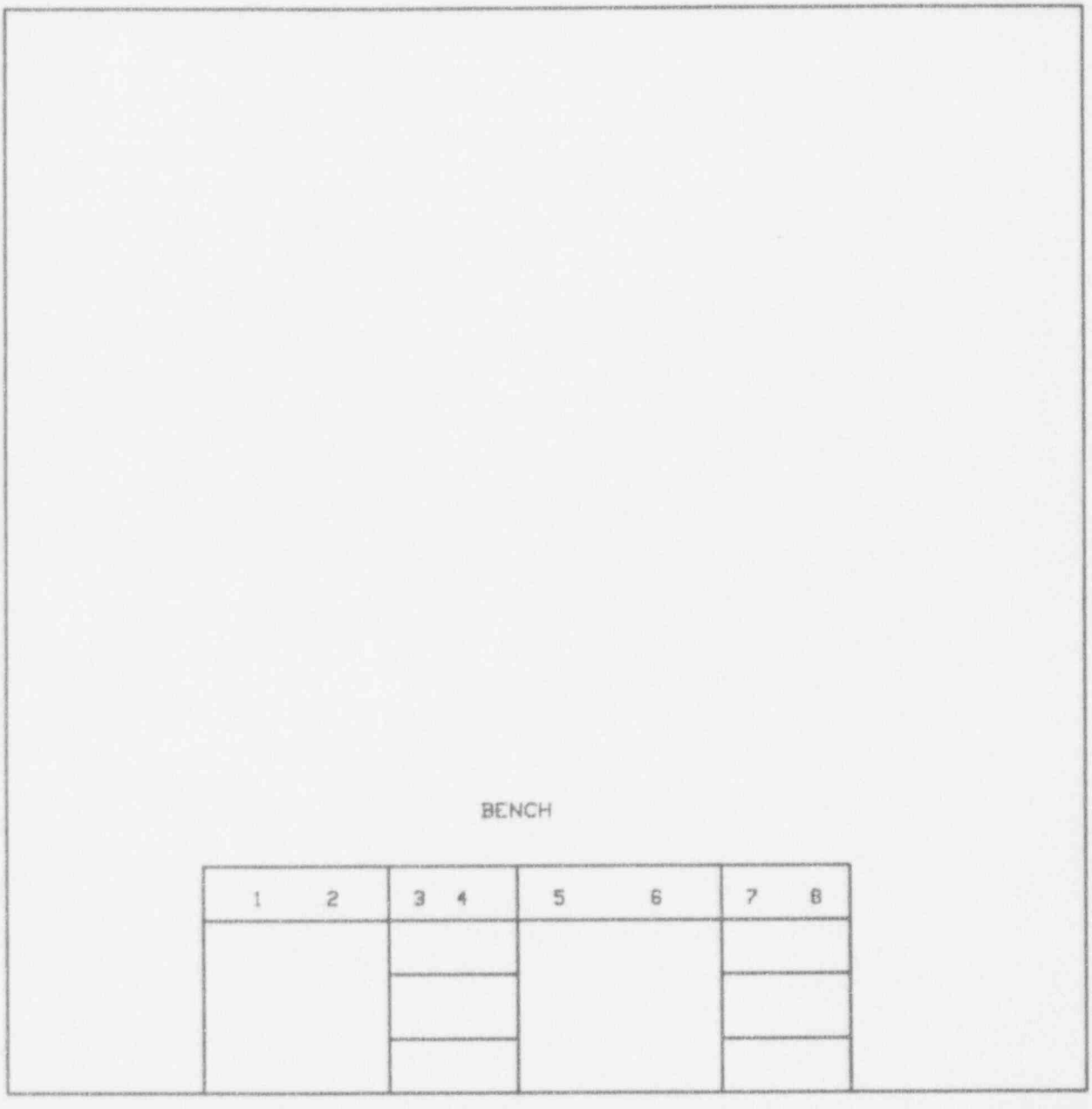
TELEDYNE ISOTOPES

DIAGRAM OF SURVEYED AREA

LOCATION: J-215 VIEW-D

PRINCIPLE OCCUPANTS: _____

ISOTOPE USAGE: _____



TELEDYNE ISOTOPES

SMEAR RESULTS BY LIQUID SCINTILLATION COUNTING

LOCATION: J-215 Island A

SMEAR No.	Low Energy Beta Activity dpm/sample	Low Energy Beta Activity dpm/100cm^2
1	<50	<25
2	<50	<25
3	<50	<25
4	<50	<25
5	<50	<25
6	<50	<25
7	<50	<25
8	<50	<25
9	<50	<25
10	<50	<25

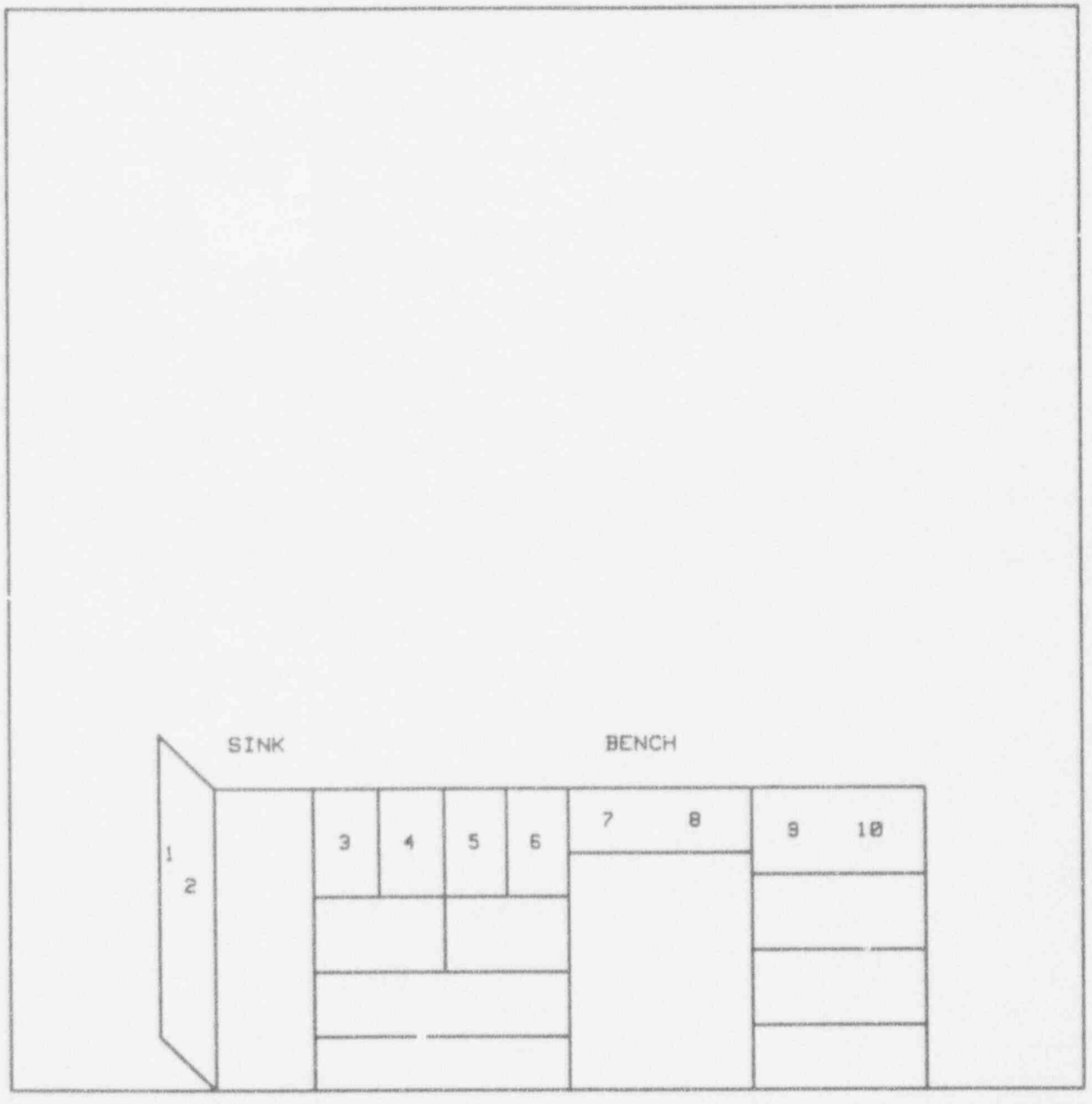
TELEDYNE ISOTOPES

DIAGRAM OF SURVEYED AREA

LOCATION: J-215 ISLAND-R

PRINCIPLE OCCUPANTS: _____

ISOTOPE USAGE: _____



TELEDYNE ISOTOPES

SMEAR RESULTS BY LIQUID SCINTILLATION COUNTING

LOCATION: J-215 Island B

SMEAR No.	Low Energy Beta Activity dpm/sample	Low Energy Beta Activity dpm/100cm^2
1	<50	<25
2	<50	<25
3	<50	<25
4	<50	<25
5	<50	<25
6	<50	<25
7	<50	<25
8	<50	<25
9	<50	<25
10	<50	<25

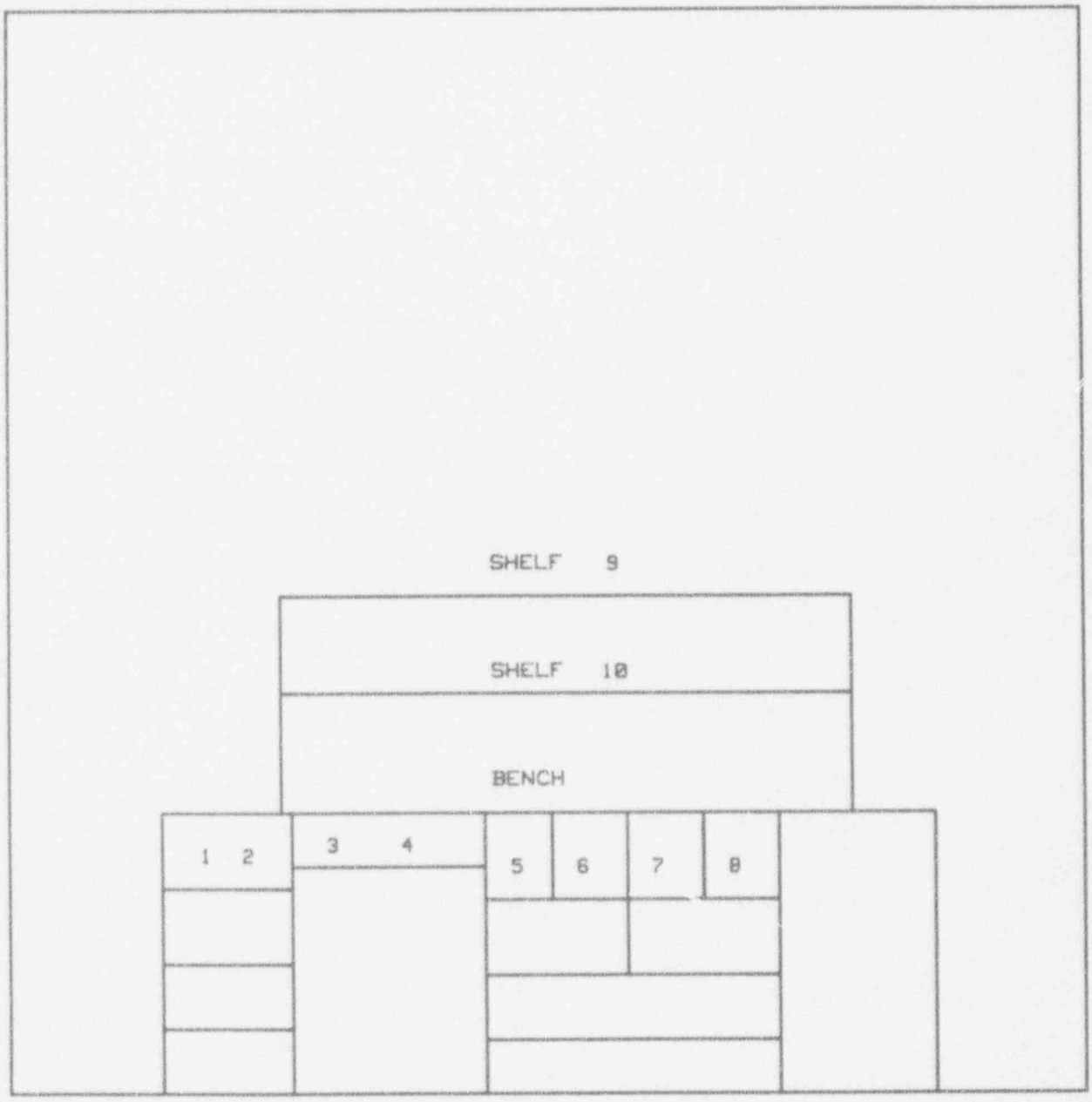
TELEDYNE ISOTOPES

DIAGRAM OF SURVEYED AREA

LOCATION: J-215 ISLAND-B

PRINCIPLE OCCUPANTS: _____

ISOTOPE USAGE: _____



TELEDYNE ISOTOPES

SMEAR RESULTS BY LIQUID SCINTILLATION COUNTING

LOCATION: J-216 Main View

SMEAR No.	Low Energy Beta Activity dpm/sample	Low Energy Beta Activity dpm/100cm^2
1	<50	<25
2	<50	<25
3	<50	<25
4	<50	<25
5	<50	<25
6	<50	<25
7	<50	<25
8	<50	<25
9	<50	<25
10	<50	<25
11	<50	<25
12	<50	<25
13	<50	<25
14	<50	<25
15	<50	<25
16	<50	<25
17	<50	<25
18	<50	<25
19	<50	<25
20	<50	<25
21	<50	<25
22	<50	<25

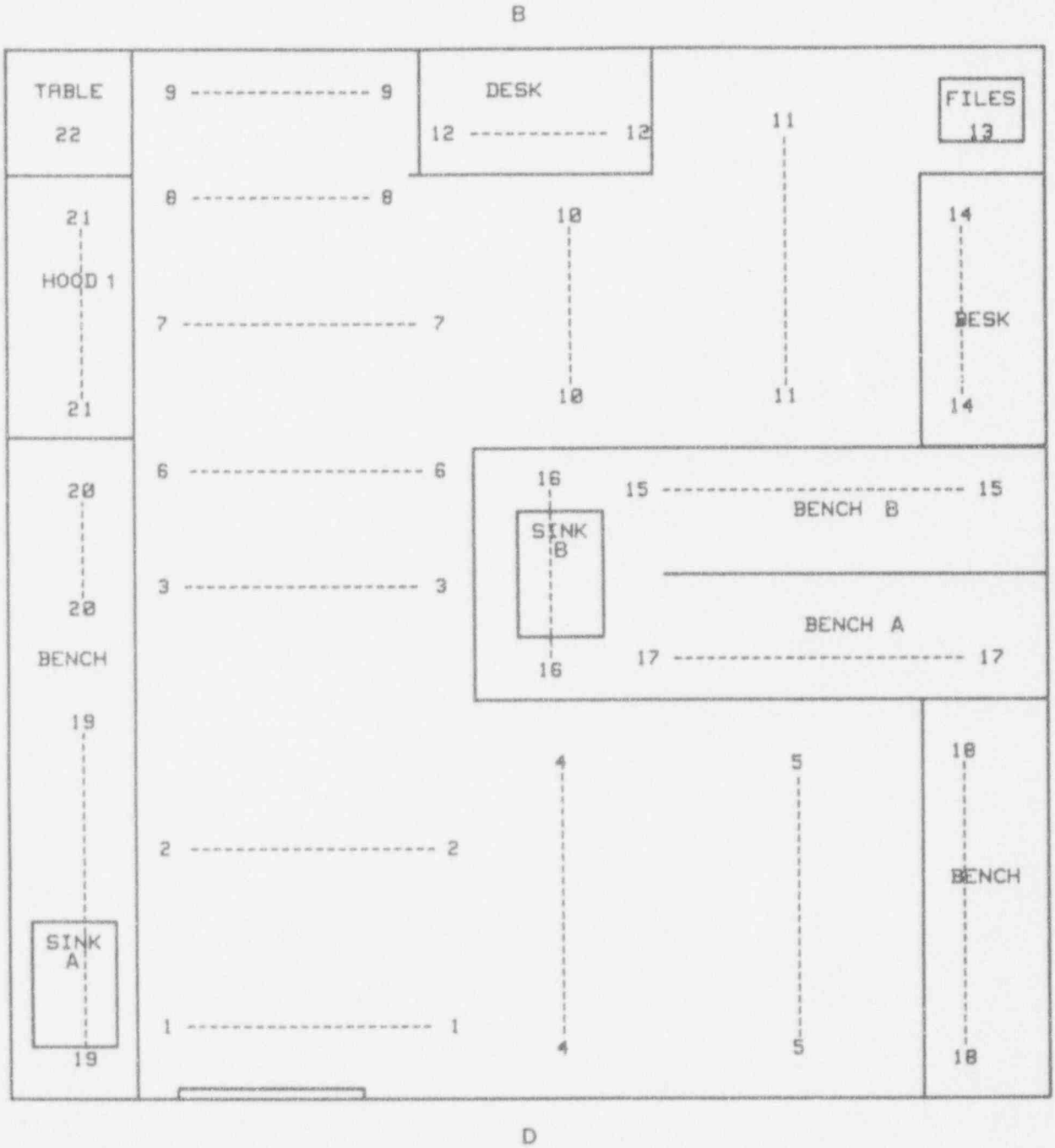
TELEDYNE ISOTOPES

DIAGRAM OF SURVEYED AREA

LOCATION: J-216 MAIN VIEW

PRINCIPLE OCCUPANTS: _____

ISOTOPE USAGE: _____



TELEDYNE ISOTOPES

SMEAR RESULTS BY LIQUID SCINTILLATION COUNTING

LOCATION: J-216 View A

SMEAR No.	Low Energy Beta Activity dpm/sample	Low Energy Beta Activity dpm/100cm^2
1	<50	<25
2	<50	<25
3	<50	<25
4	<50	<25
5	<50	<25
6	<50	<25
7	<50	<25
8	<50	<25
9	<50	<25
10	<50	<25
11	<50	<25
12	<50	<25
13	<50	<25
14	<50	<25
15	<50	<25
16	<50	<25
17	<50	<25
18	<50	<25
19	<50	<25
20	<50	<25
21	<50	<25
22	<50	<25
23	<50	<25
24	<50	<25

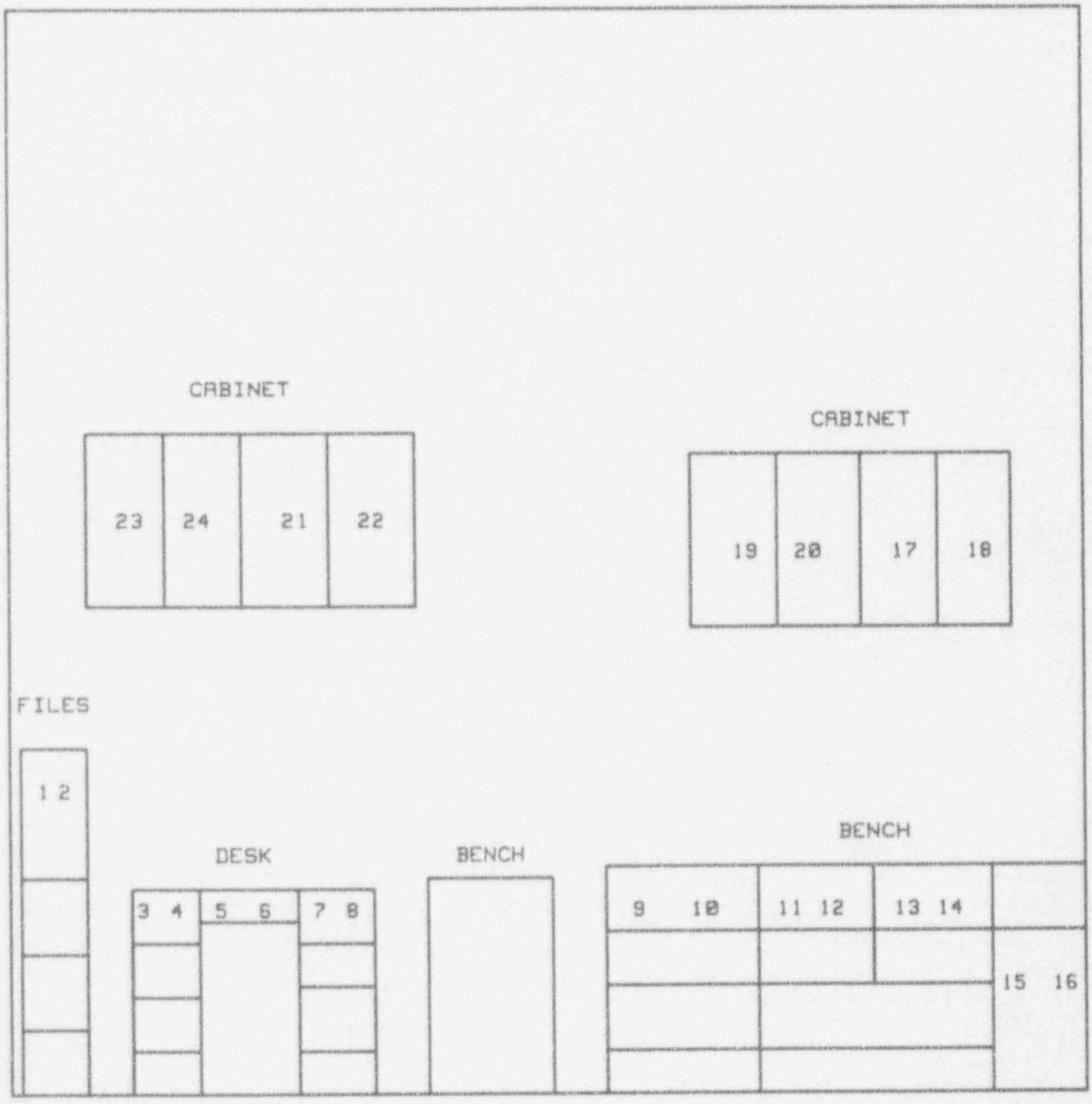
TELEDYNE ISOTOPES

DIAGRAM OF SURVEYED AREA

LOCATION: J-216 VIEW-R

PRINCIPLE OCCUPANTS: _____

ISOTOPE USAGE: _____



TELEDYNE ISOTOPES

SMEAR RESULTS BY LIQUID SCINTILLATION COUNTING

LOCATION: J-216 View B

SMEAR No.	Low Energy Beta Activity dpm/sample	Low Energy Beta Activity dpm/100cm^2
1	<50	<25
2	<50	<25
3	<50	<25
4	<50	<25
5	<50	<25
6	<50	<25
7	<50	<25
8	<50	<25
9	<50	<25
10	<50	<25
11	<50	<25
12	<50	<25
13	<50	<25
14	<50	<25
15	<50	<25
16	<50	<25
17	<50	<25

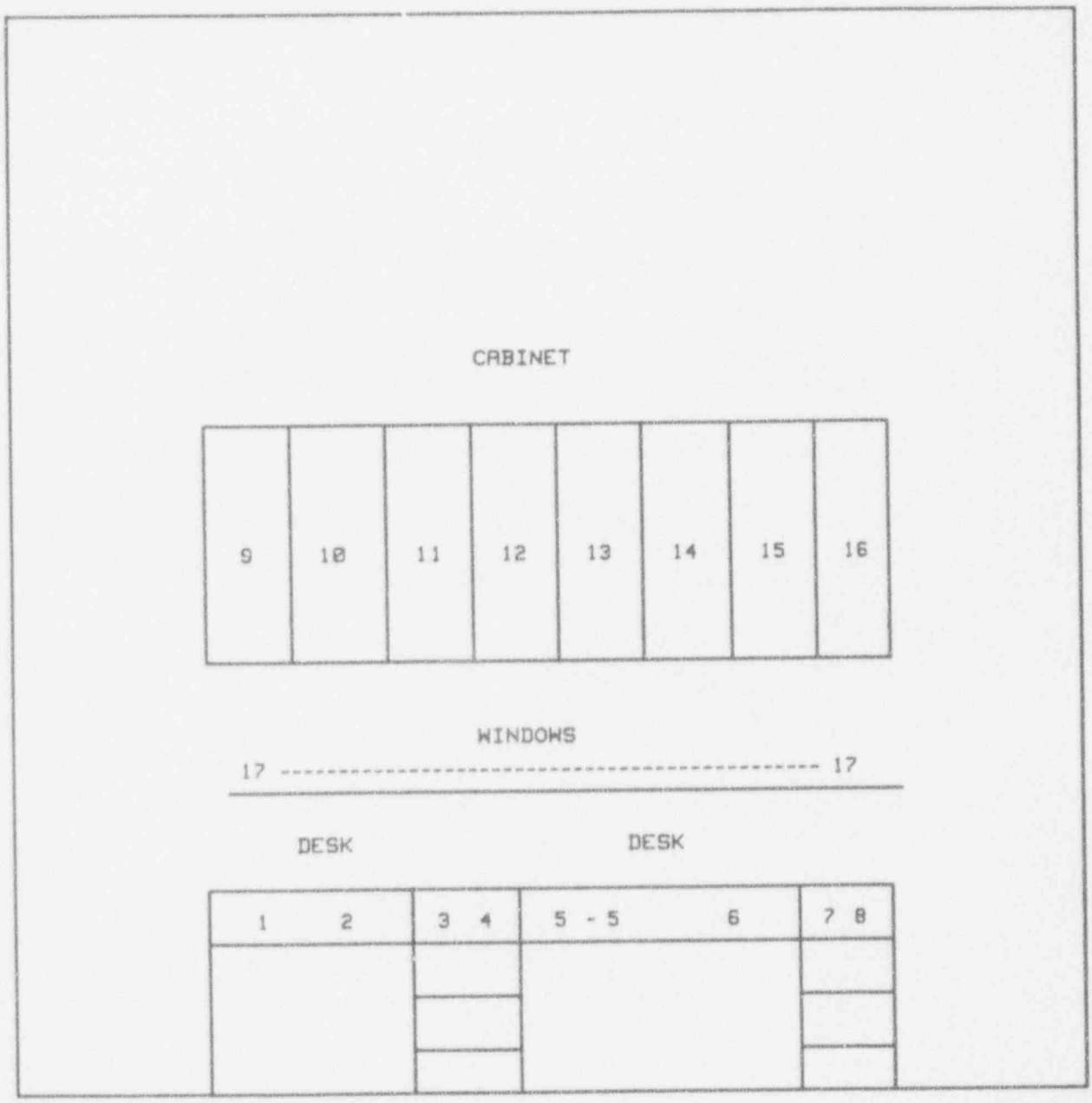
TELEDYNE ISOTOPES

DIAGRAM OF SURVEYED AREA

LOCATION: J-216 VIEW-B

PRINCIPLE OCCUPANTS: _____

ISOTOPE USAGE: _____



TELEDYNE ISOTOPES

SMEAR RESULTS BY LIQUID SCINTILLATION COUNTING

LOCATION: J-216 View C

SMEAR No.	Low Energy Beta Activity dpm/sample	Low Energy Beta Activity dpm/100cm^2
1	<50	<25
2	<50	<25
3	<50	<25
4	<50	<25
5	<50	<25
6	<50	<25
7	<50	<25
8	<50	<25
9	<50	<25
10	<50	<25
11	<50	<25
12	<50	<25
13	<50	<25
14	<50	<25

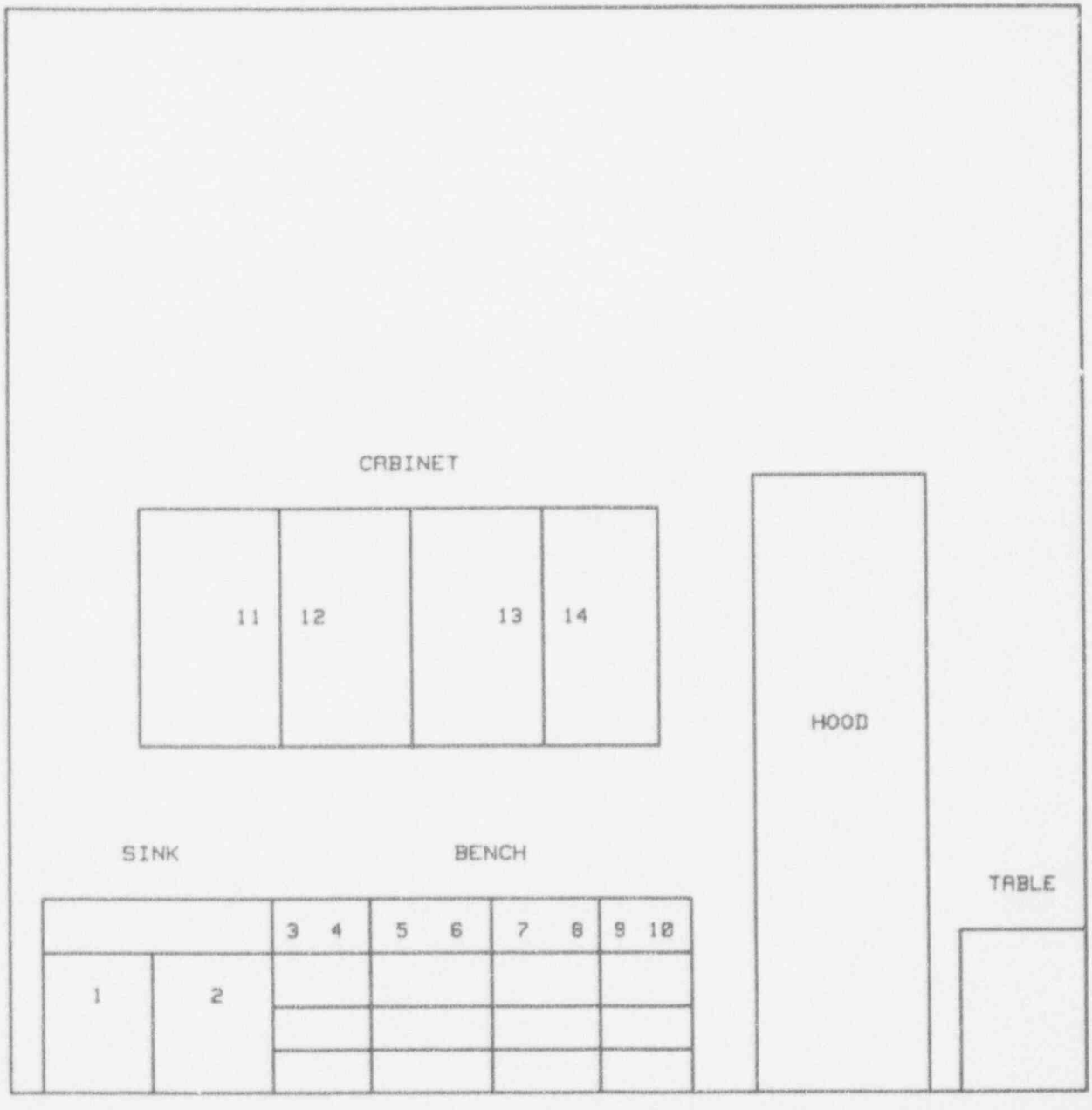
TELEDYNE ISOTOPES

DIAGRAM OF SURVEYED AREA

LOCATION: J-216 VIEW-C

PRINCIPLE OCCUPANTS: _____

ISOTOPE USAGE: _____



TELEDYNE ISOTOPES

SMEAR RESULTS BY LIQUID SCINTILLATION COUNTING

LOCATION: J-216 Island A

SMEAR No.	Low Energy Beta Activity dpm/sample	Low Energy Beta Activity dpm/100cm^2
1	<50	<25
2	<50	<25
3	<50	<25
4	<50	<25
5	<50	<25
6	<50	<25
7	<50	<25
8	<50	<25
9	<50	<25
10	<50	<25

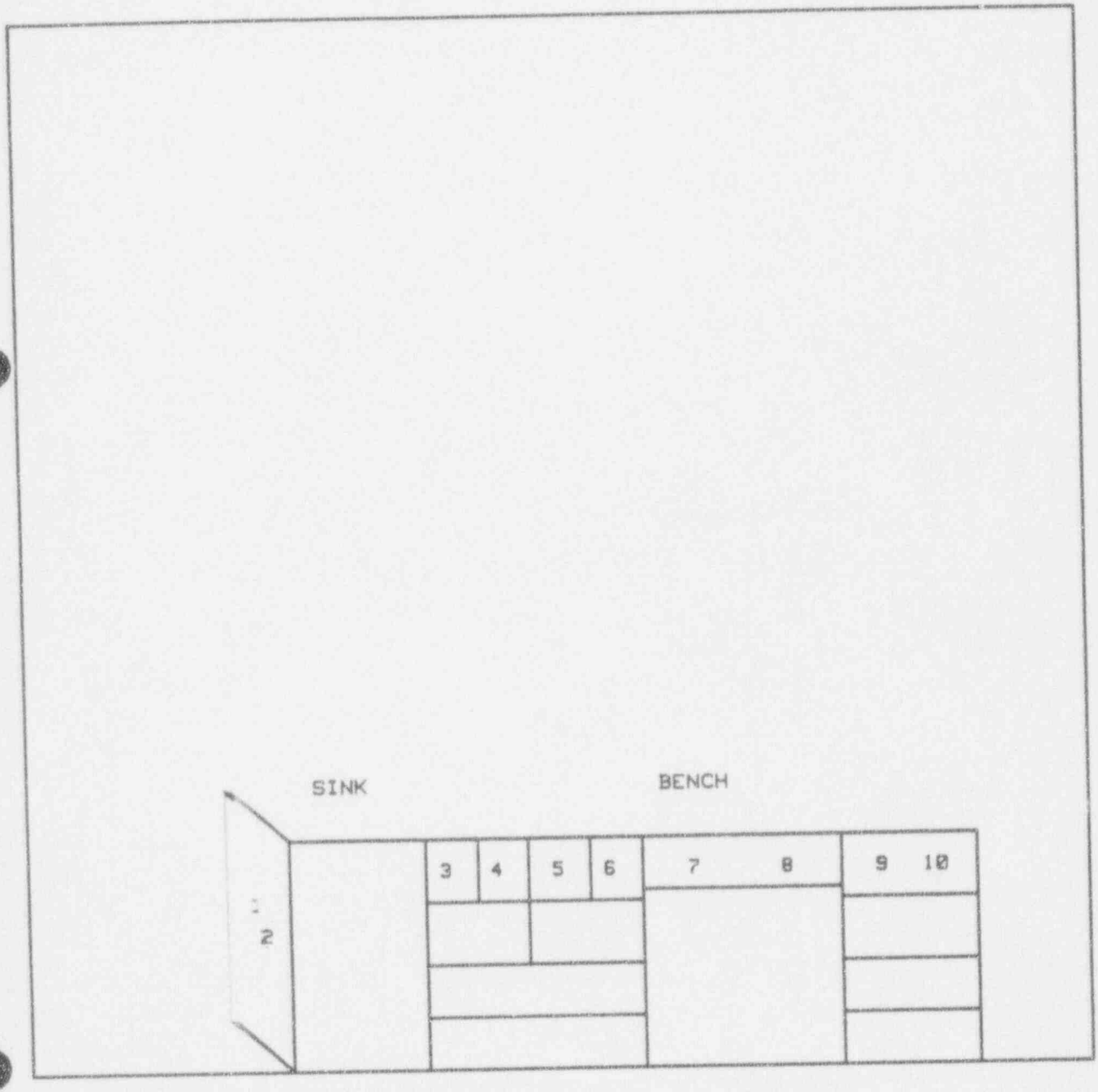
TELEDYNE ISOTOPES

DIAGRAM OF SURVEYED AREA

LOCATION: J-216 ISLAND-A

PRINCIPLE OCCUPANTS: _____

ISOTOPE USAGE: _____



TELEDYNE ISOTOPES

SMEAR RESULTS BY LIQUID SCINTILLATION COUNTING

LOCATION: J-216 Island B

SMEAR No.	Low Energy Beta Activity dpm/sample	Low Energy Beta Activity dpm/100cm^2
1	<50	<25
2	<50	<25
3	<50	<25
4	<50	<25
5	<50	<25
6	<50	<25
7	<50	<25
8	<50	<25
9	<50	<25
10	<50	<25
11	<50	<25
12	<50	<25

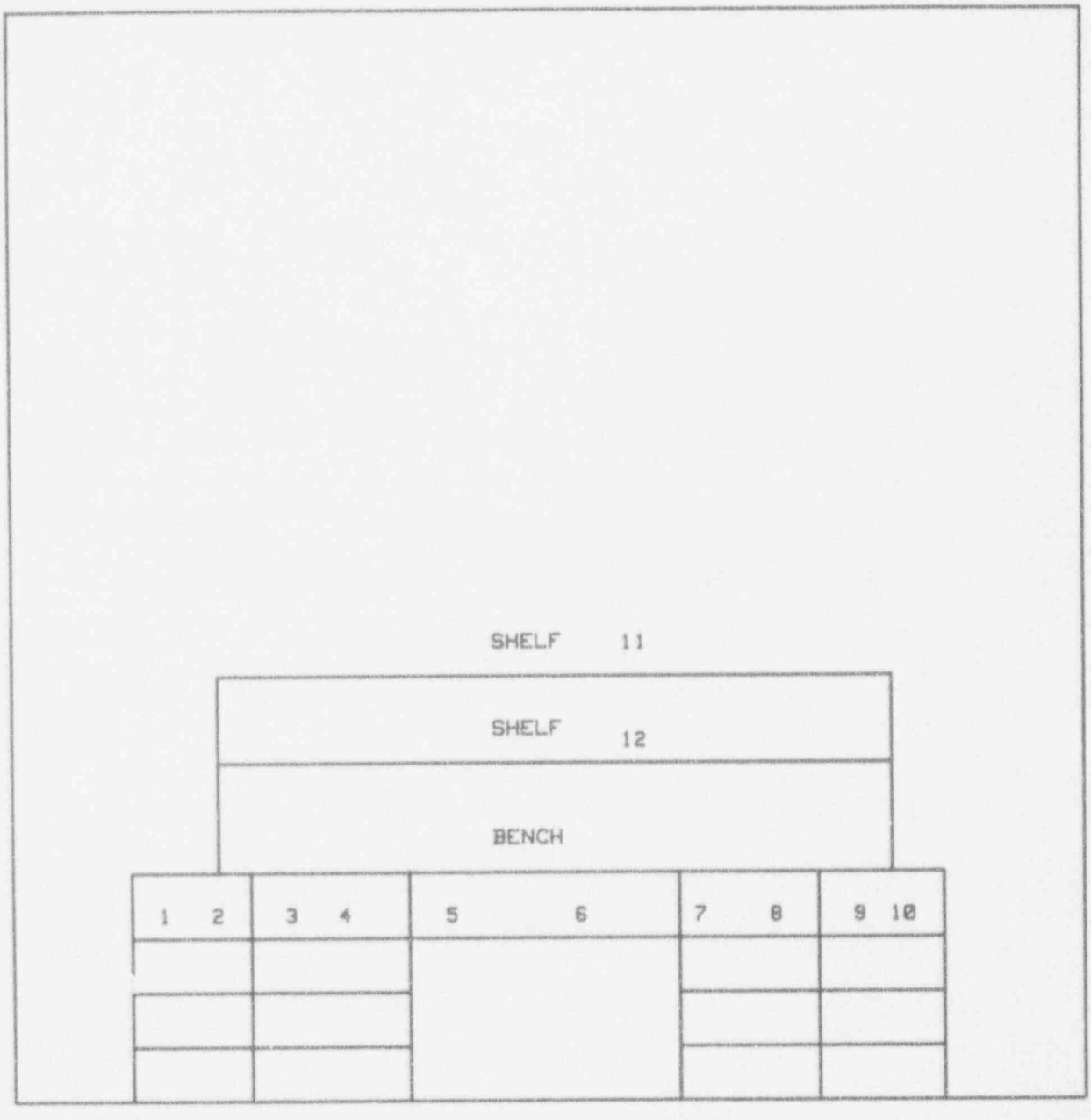
TELEDYNE ISOTOPES

DIAGRAM OF SURVEYED AREA

LOCATION: J-216 ISLAND-B

PRINCIPLE OCCUPANTS: _____

ISOTOPE USAGE: _____



TELEDYNE ISOTOPES

SMEAR RESULTS BY LIQUID SCINTILLATION COUNTING

LOCATION: J-216 Hood #1

SMEAR No.	Low Energy Beta Activity dpm/sample	Low Energy Beta Activity dpm/100cm^2
1	<50	<25
2	<50	<25
3	<50	<25
4	<50	<25
5	<50	<25
6	<50	<25
7	<50	<25
8	<50	<25
9	<50	<25
10	<50	<25