PLANKTON

4×10^{-3}
2.5×10^{6}
10×10^{3}
10^{4}

Pooled Plankton Samples
"A" "B" + "C" nets

$1\ gal = 0.00379\ m^3$

Total Volume pumped = $2.5 \times 10^6\ gal = 9.5 \times 10^3\ m^3$

404891

	Co^{60}	Co^{57}	Zn^{65}	Mn^{54}	Zr^{95}-Nb^{95}	Ru^{106}-Rh^{106}	Ce^{144}-Pr^{144}
d/m/total sample*	741	402	380	63	241	596	2280
$\div 9.5 \times 10^3$							
$d/m/m^3$	7.8×10^{-2}	4.2×10^{-2}	4.0×10^{-2}	6.6×10^{-3}	2.5×10^{-2}	6.3×10^{-2}	2.4×10^{-1}
total vol in lagoon = $4.7 \times 10^{10}\ m^3$							
total d/m in plankton in lagoon	37×10^8	20×10^8	19×10^8	3.1×10^8	12×10^8	30×10^8	110×10^8
$\div 2.2 \times 10^6 = \mu c$	1700	~~900~~ 910	860	150	550	1400	5000
mc	1.7	0.91	0.86	0.15	0.55	1.4	5.0

* Since total sample actually represents 3/4 of sample

$\div 0.75$ | 2.3 | 1.2 | 1.1 | 0.20 | 0.73 | 1.9 | 6.7 | mc in total plankton in lagoon.

Total = 14

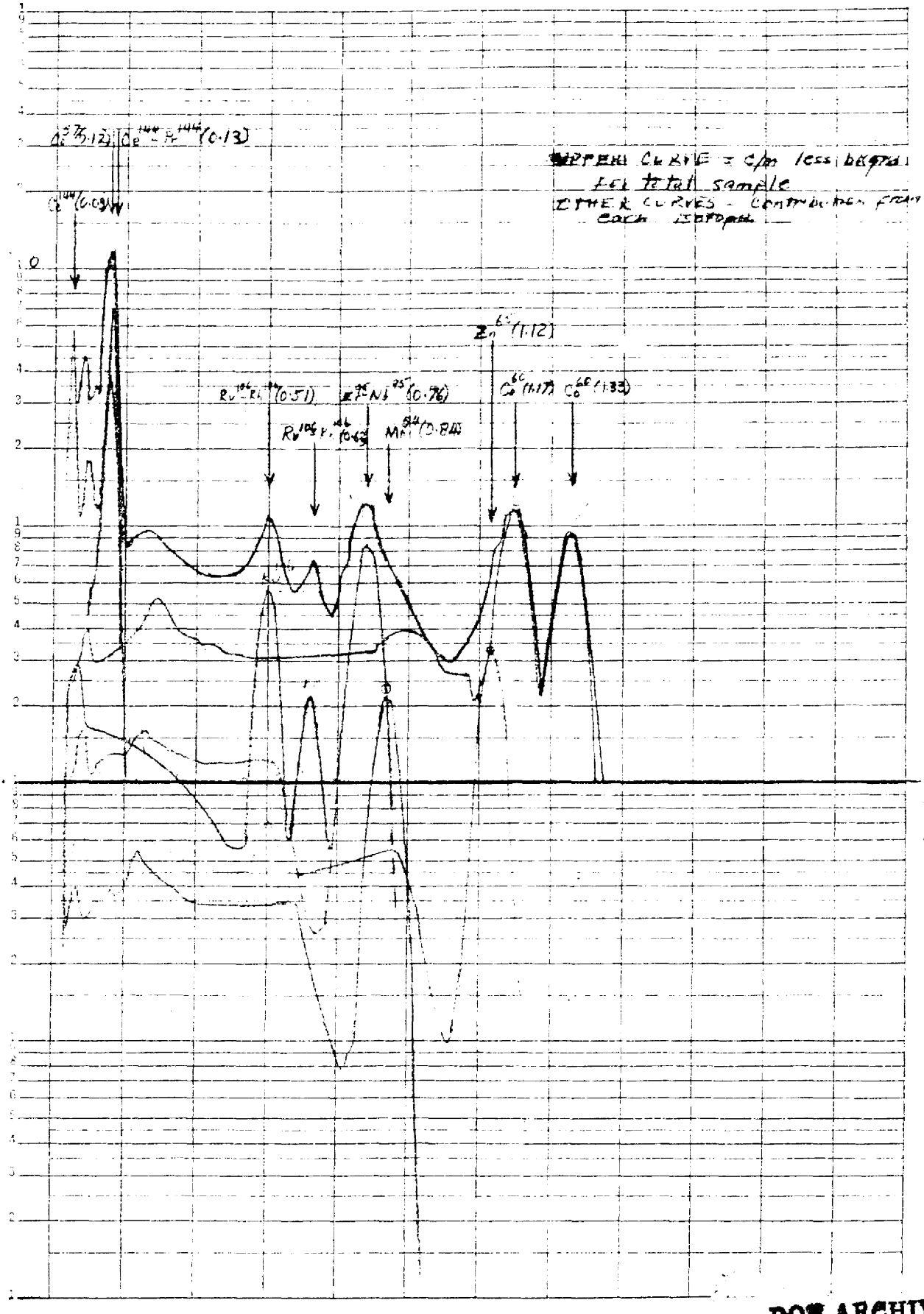
Al —

These values seem low & have not been rechecked. However, you might want to refer to them to give some idea of the relative amounts of the various radionuclides in plankton at Enewetak.

BEST COPY AVAILABLE

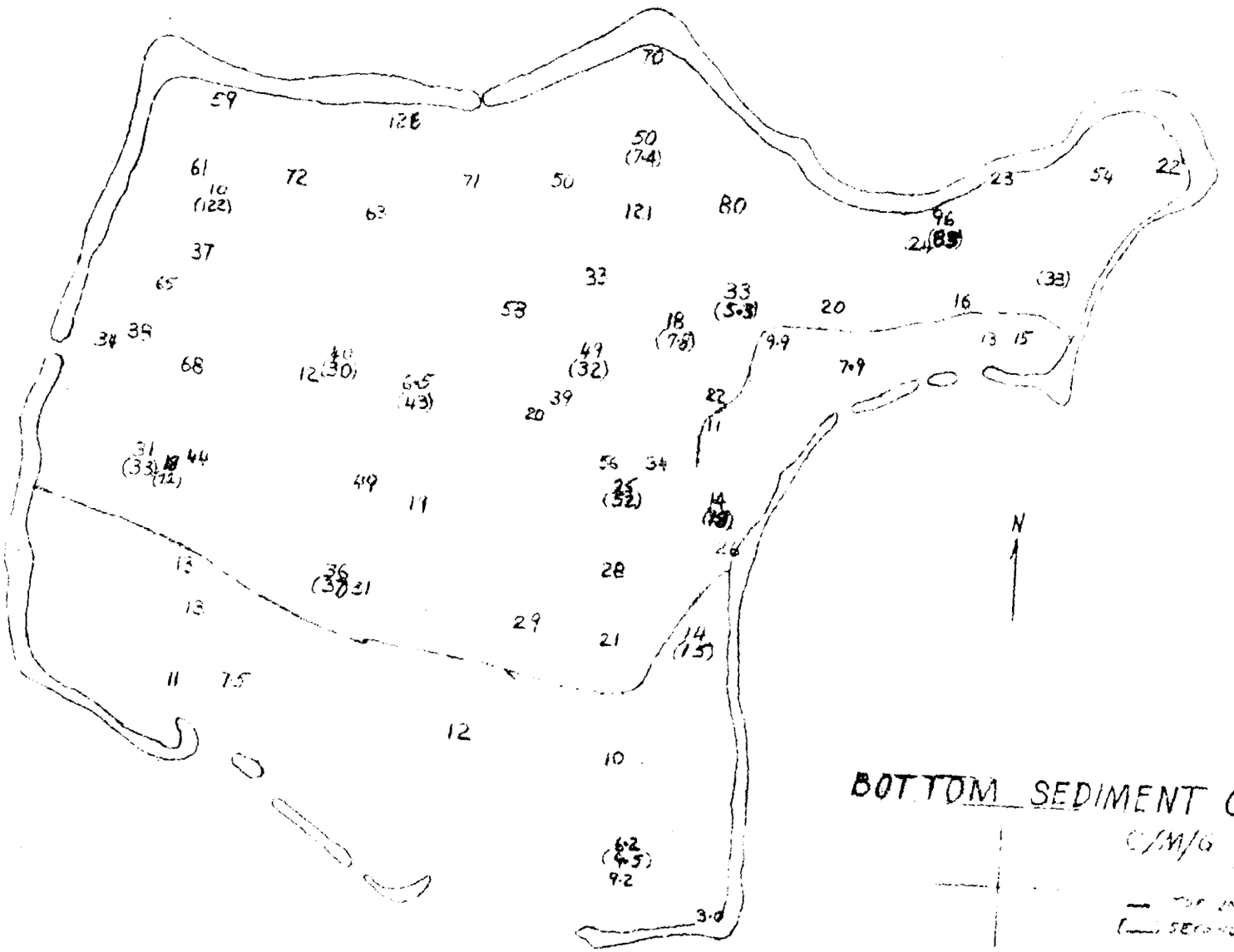
DOE ARCHIVES

PLAYTON B
DEC. 1959



SEMI-LOGARITHMIC 359-92
KEUFFEL & ESSER CO.

DOE ARCHIVES



BOTTOM SEDIMENT CORES

C/M/G & B-COUNTS

— TOP INCH

— SECOND INCH

Data as of
9 Feb. 60

100 gms ground sample

DOE ARCHIVES