

4/7/59

# RADIOACTIVITY\* OF WESTERN PACIFIC SAMPLES R

-COUNTED, MARCH 1959; NOT CORRECTED FOR DECAY FROM TIME OF COLLECTION-

407854

	June	Oct	Jan	April
Spider Snail Liver				
Guam	135	131	783	
Palau	19.9	16.4	18.7	
Thailand	—	—	—	
Algae (Caulerpa & Halimeda)				
Guam-Caulerpa	21.5	14.8	78.8	
Guam Halimeda	8.8	5.4	34.6	
Palau Caulerpa	2.8	3.3	3.9	
Palau Halimeda	1.5	2.8	5.2	
Thailand Caulerpa	—	—	—	
Thailand Halimeda	—	—	—	
Fish Muscle				
Guam	9.3	12.2	18.4	
Palau	9.7	10.7	13.20	
Thailand	8.8	11.3	9.0	9
Fish Liver				
Guam	21.1	35.3	18.5	19
Palau	12.6	12.8	11.2	
Thailand	11.4	6.6	6.6	
Hermit Crab Skeleton				
Guam	50.8	31.8	97.5	
Palau	17.8	12.1	36.1	
Thailand	—	—	—	
Tridacna Kidney				
Guam	119	103	278	
Palau	110	101	34.0	
Thailand	24.4	—	—	
Spiny Lobster Liver				
Guam	—	50.6	—	
Palau	9.0	8.8	27.3	
Thailand	—	—	—	

US DOE ARCHIVES

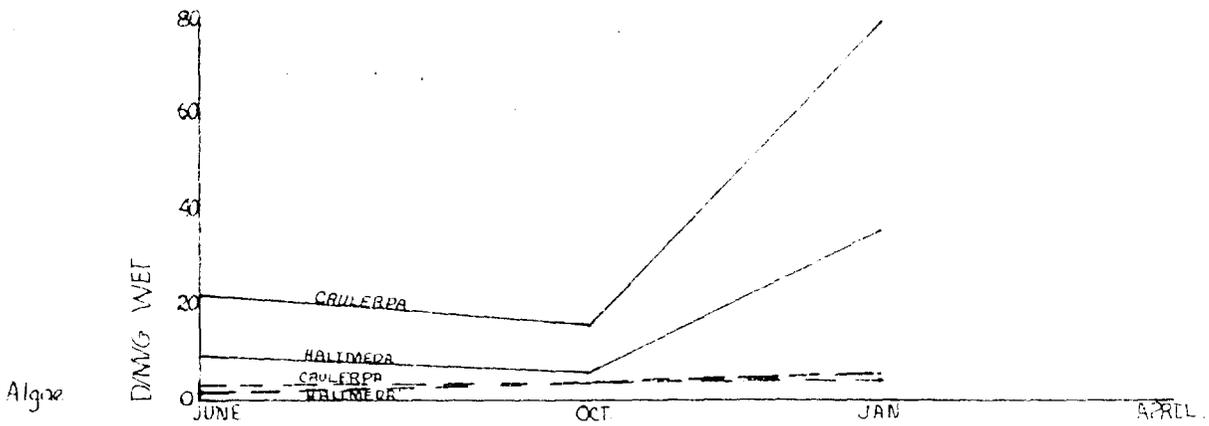
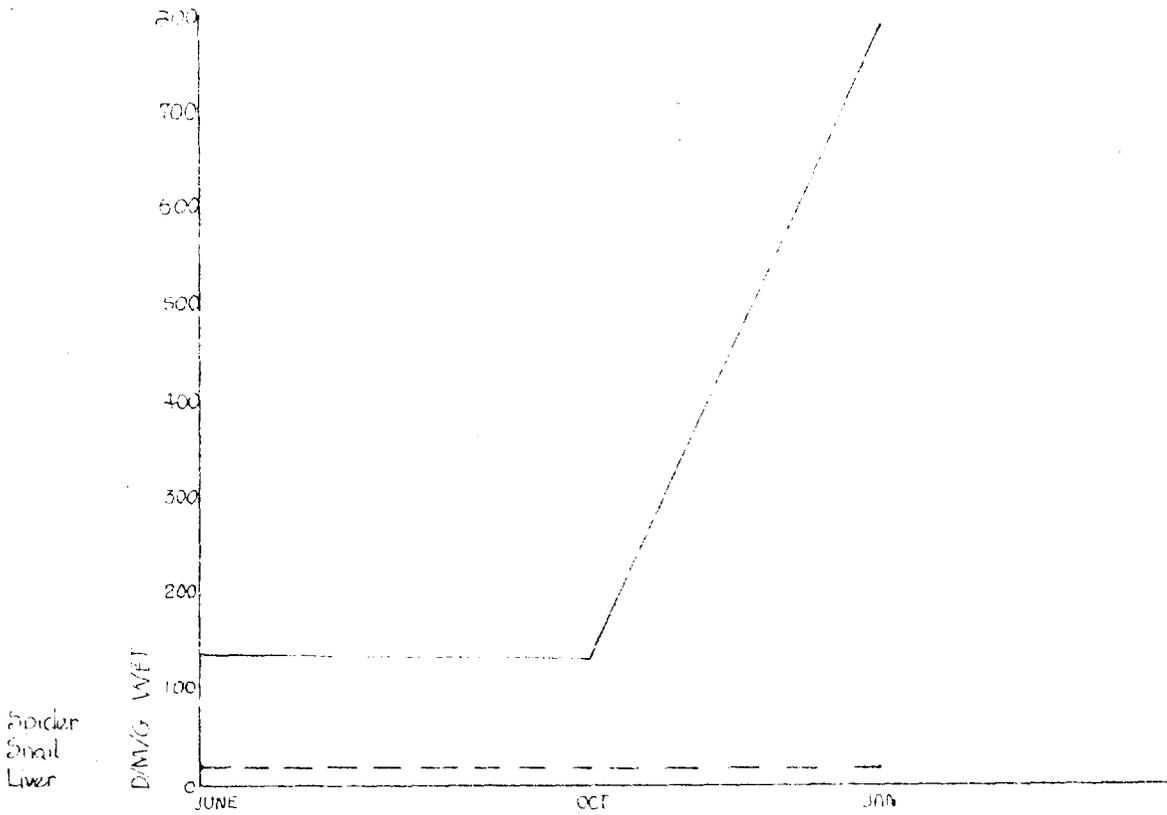
BEST COPY AVAILABLE

Folder	Box	Job
19	9	1326

HERMAN'S OFFICE  
INVENTORY CONTROL

\* Gross beta counts - Geiger counter  
Self absorption correction factor based upon K<sup>40</sup>

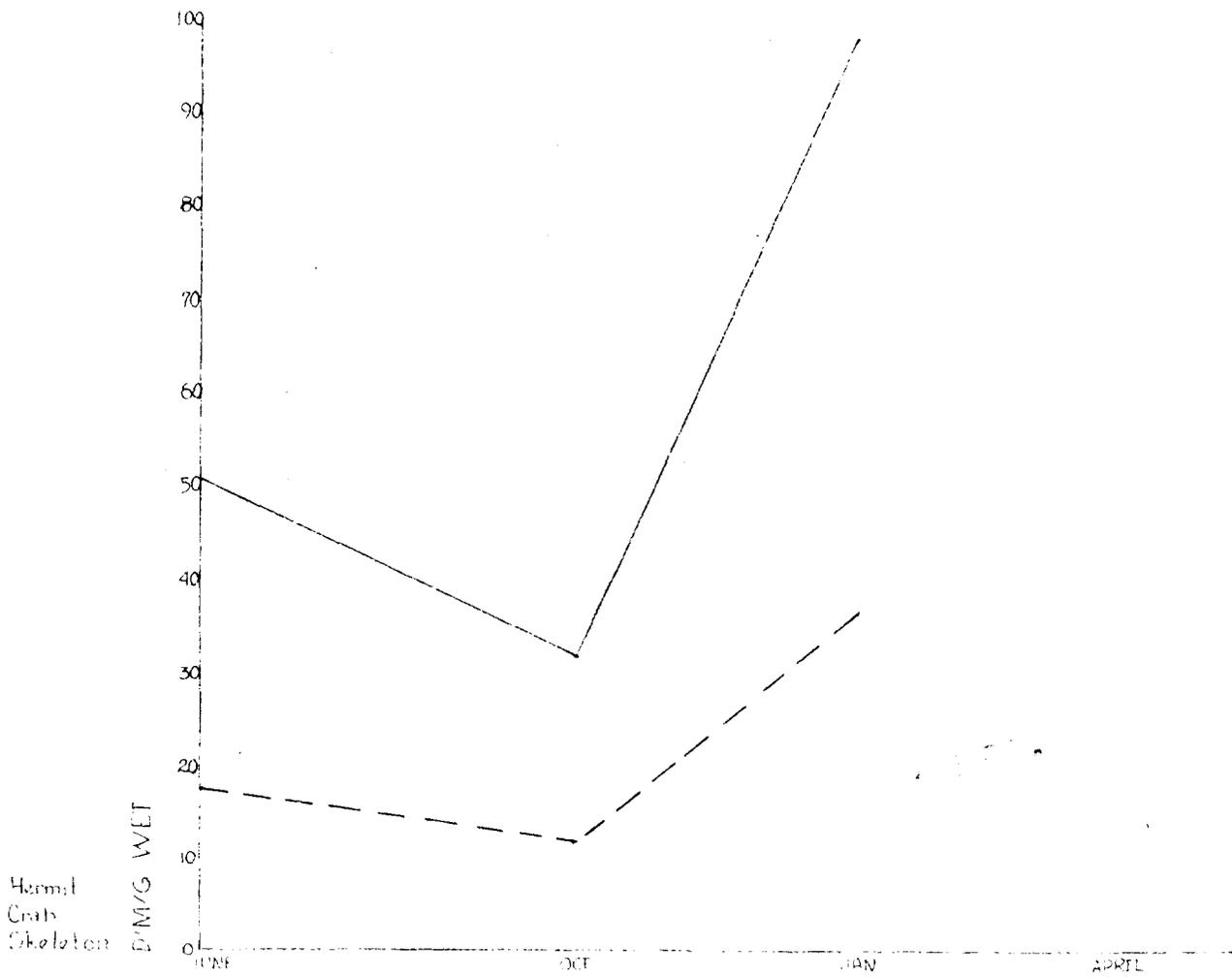
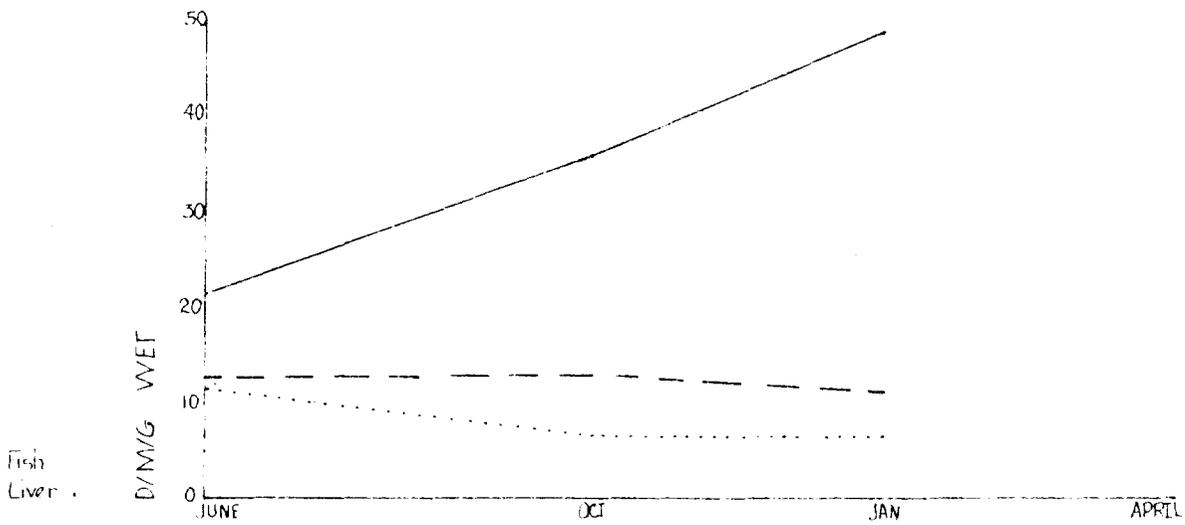
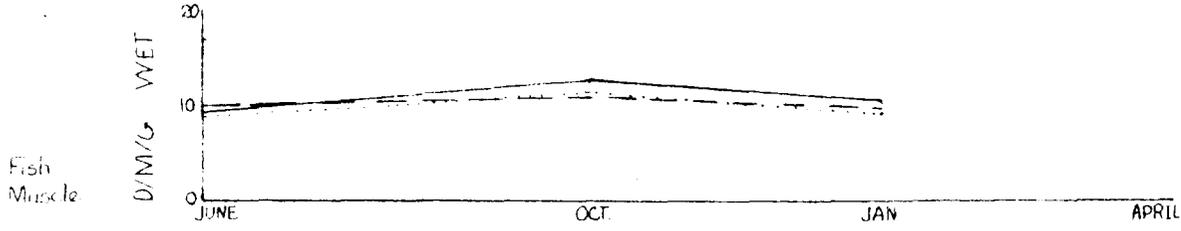


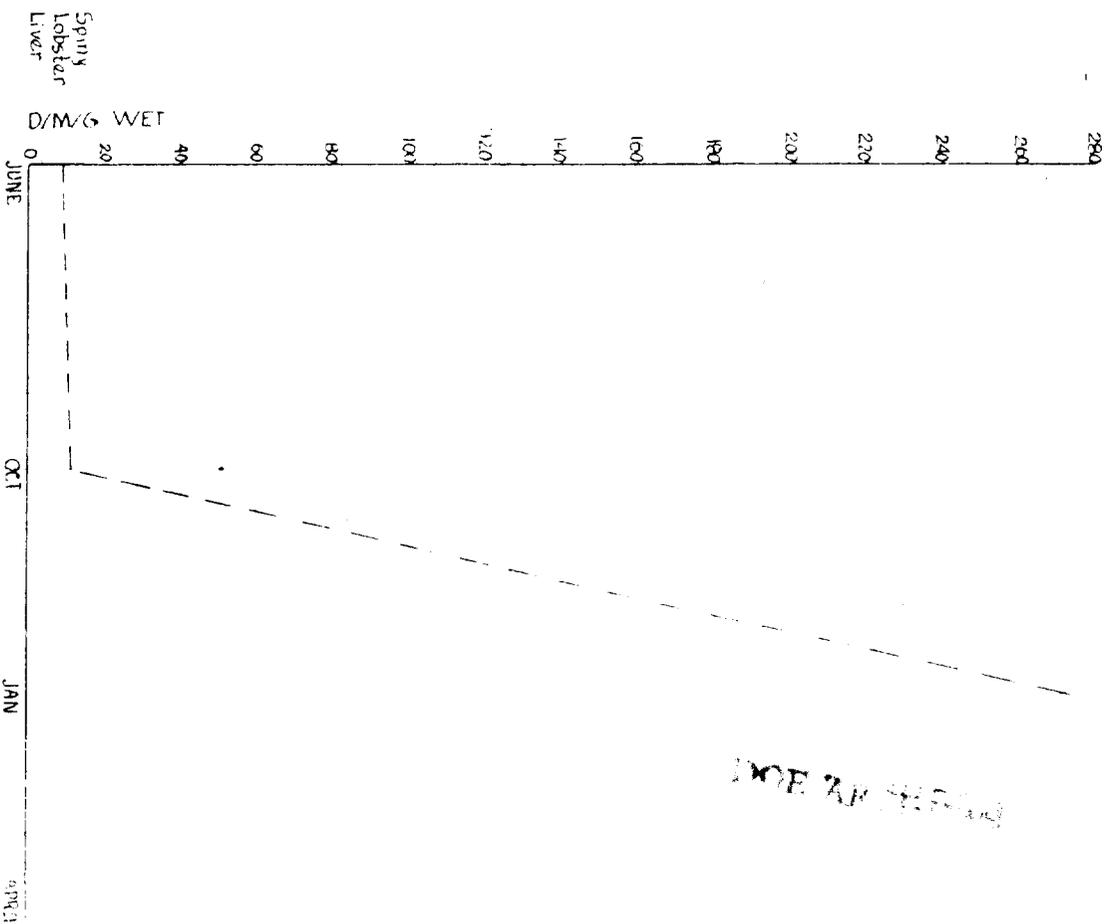
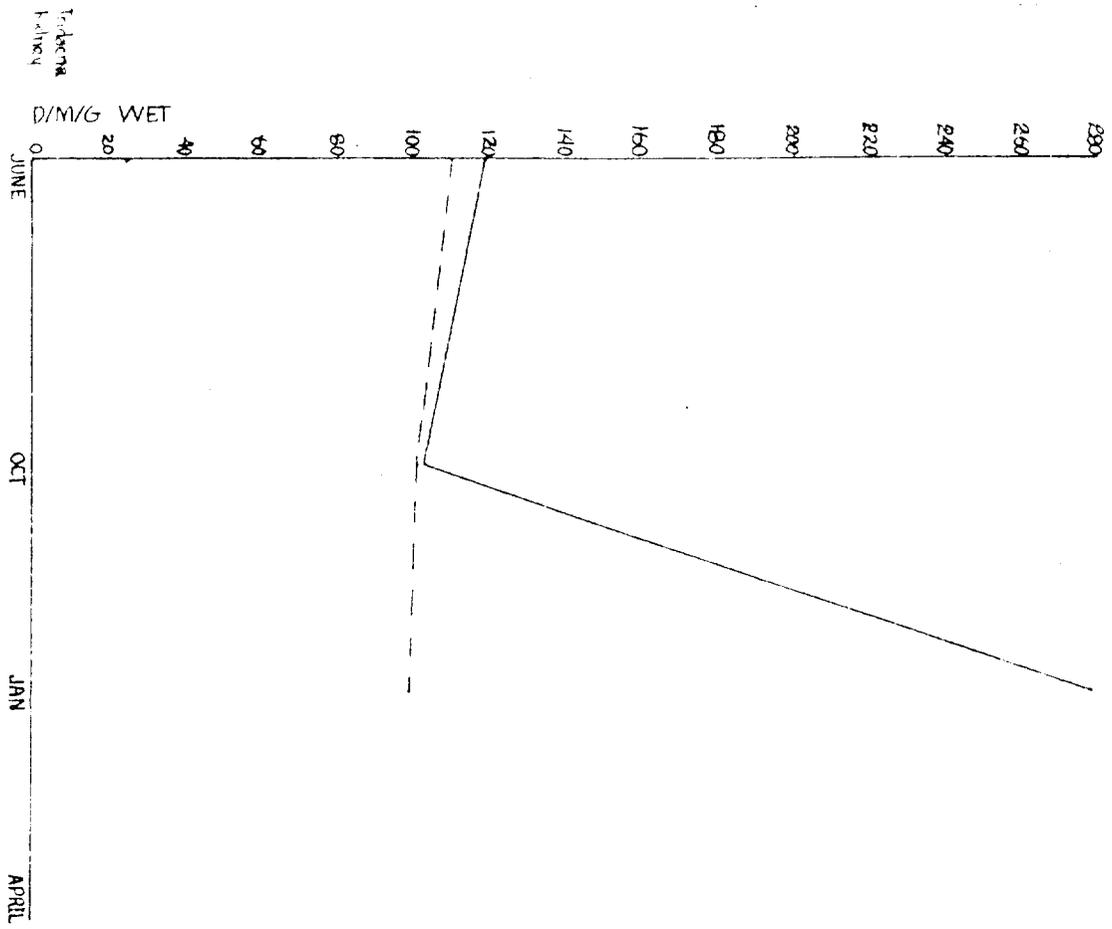


Key

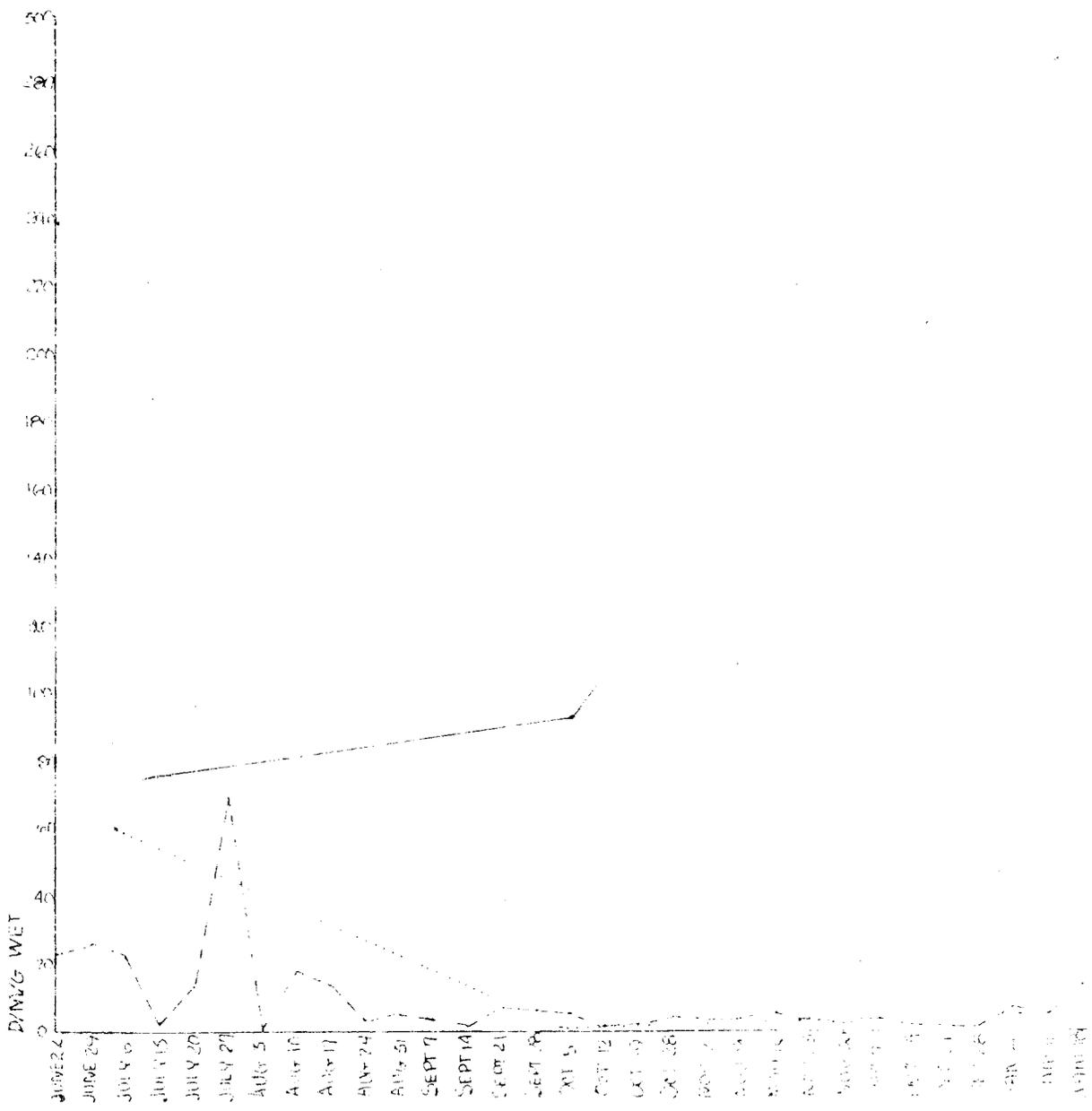
- GUAM ..... (Dotted line)
- PALAU ..... (Dashed line)
- THAILAND ..... (Solid line)

1011- 131 151





DO NOT WRITE



Key

- Guam ———
- Palau - - - - -
- Thailand .....>

1005 HIND

Beta Counts - Austin County

self absorption  
correction factor

AVERAGE D/M/G WET

4/7/59

Corrected in March, not corrected  
to date of counting

Guam

Palau

Thailand

	June	Oct	Jan	April	June	Oct	Jan	April	June	Oct	Jan	Apr
<b>MUSCLE</b>												
Surgeon fish	9.3	13.4	11.3		10.0	10.7	11.2					
Goat fish	10.1	13.5	10.8		10.8	12.3	9.9					
Grouper	8.5	9.7	8.3		8.2	9.1	7.8		10.4	9.0	11.3	
Hermit crab	7.7	9.9	6.5		7.2	6.3	5.4					
Spider snail	10.3	11.9	30.4		8.4	14.4	8.3					
Tridacna	8.0	7.2	12.6		4.7	5.5	7.6		6.0			
Spiny lobster		14.3			6.8	7.7	12.1					
Coconut crab					5.0							
Leiognathus									8.0	13.9	8.1	
Anchovie									5.6	14.6	9.8	
Tuna (light muscle)									10.8	10.6	8.2	
Tuna (dark muscle)									9.2	8.4	7.6	
Swimming Crab									5.8	4.9	5.2	
Pinna											4.8	
Pteria											3.9	
Arca (foot)											2.7	
<b>LIVER</b>												
Surgeon fish	18.2	43.7	56.6		11.6	14.2	16.9					
Goat fish	23.4	24.8	53.2		11.4	8.8	10.0					
Grouper	21.6	37.4	35.0		14.7	15.4	6.8		12.4	4.4	5.5	
Spider snail	135	131	783		19.9	16.4	18.7					
Spiny lobster		50.6			9.0	10.8	273					
Tuna									10.4	8.8	7.8	
Swimming Crab									8.6	3.0	6.7	
<b>VISCERA</b>												
Hermit crab	18.3											
Leiognathus									5.2	31.7	4.9	
Anchovie									8.7	10.5	7.6	
Pinna											8.9	
Pteria											6.3	
<b>EXCRETION</b>												
Hermit crab	50.8	31.8	97.5		17.8	12.1	36.1					
Coconut crab					21.1							
<b>EXCRETION</b>												
Tridacna	119	103	278		110	101	99.0		24.4			

Guam

Palau

Thailand

	Guam				Palau				Thailand					
	June	Oct.	Jan	April	June	Oct.	Jan	April	June	Oct.	Jan	April		
MUSCLE	Hermit crab 26.4													
Arca									7.6	5.1				
Parts													3.8	
ALGAE	Caulerpa	21.9	14.8	78.8		2.8	3.3	3.9						
	Halimeda	8.8	5.4	34.6		1.5	2.8	5.2						
	Sargassum	11.4												14.5
	Laurencia									10.0				
	Dictyota?									25.1		11.5		

# Guam d/m/g Wet

	Surgeonfish muscle		Goat fish muscle		Grouper muscle		Hermit Crab Skeleton	
	d/m/g	Ave.	d/m/g	Ave.	d/m/g	Ave.	d/m/g	Ave.
June	9.3 9.1 9.4	9.3	10.7 9.9 9.8	10.1	10.5 7.7 7.3	8.5	45.6 <u>56.0</u>	50.8 <u>26.4</u>
							skel. + muscle 26.4	26.4
Oct.	11.7 11.6 16.9	13.4	11.2 13.6 15.6	13.5	10.9 10.5 7.8	9.7	39.4 23.5 32.5	31.8
Jan.	9.5 12.6 11.7	11.3	9.8 10.4 12.2	10.8	7.7 8.1 9.2	8.3	22.5 23.1 44.3	97.5

## April

	Surgeonfish liver		Goat fish liver		Grouper liver		Hermit Crab Muscle	
	d/m/g	Ave.	d/m/g	Ave.	d/m/g	Ave.	d/m/g	Ave.
June	18.1 20.8 15.7	18.2	29.5 12.8 28.6	23.6	24.2 18.8 21.7	21.6	7.6 <u>7.8</u>	9.7 <u>18.3</u>
							viscera 18.3	18.3
Oct.	50.1 37.3 43.6	43.7	22.4 25.7 26.2	24.8	58.2 29.4 24.7	37.4	9.3 11.5 8.8	9.9
Jan.	50.8 63.9 55.0	56.6	40.1 63.9 55.5	53.2	39.8 19.0 46.3	35	7.0 6.7 5.8	6.5

## April

NOT ARCHIVED

	Spider snail liver		Clam (Tridacna) kidney		Algae (Caulerpa)		Spiny lobster muscle	
	d/m/g	Ave.	d/m/g	Ave.	d/m/g	Ave.		
June	183 80.8 191	135	136 109 35.1	119	22.3 20.9 22.4	21.9		
Oct.	160 165 68.4	131	118 89.9 102	103	14.8 14.7 14.9	14.8	14.7 10.6 17.5	14.3
Jan.	629 609 1020	783	367 265 202	278	113 56.4 66.9	78.8		

April

	Spider snail muscle		Clam (Tridacna) muscle		Algae (Halimneda)		Spiny lobster liver	
	d/m/g	Ave.	d/m/g	Ave.	d/m/g	Ave.		
June	6.3 11.5 13.0	10.3	7.3 9.7 6.9	8.0	7.4 10.7 8.5	8.8		
Oct.	10.3 12.1 13.4	11.9	5.9 7.8 7.8	7.2	5.8 5.0 5.3	5.4	78.1 51.6 22.1	50.6
Jan.	25.0 25.4 40.8	30.4	16.0 4.7 12.2	12.0	32.2 37.0 34.5	34.6		

April

DO NOT ARCHIVE THIS

Algae (Sargassum)  
d/mig AUE

June

Oct. 11.4 11.4  
11.9  
10.8

Jan.

April

SEARCHED INDEXED



	Spider snail liver		Clam (Tridacna) kidney		Algae (Caulerpa)		Spinny lobster muscle	
	d/m/g	Ave	d/m/g	Ave	d/m/g	Ave	d/m/g	Ave
June	26.4 17.3 15.9	19.9	77.8 168 83.0	110	3.1 2.1 3.2	2.8	5.6 6.0 8.7	6.8
Oct	16.7 15.2 17.3	16.4	118 59.8 128	101	2.5 3.4 4.0	3.3	8.7 9.5 4.8	7.7
Jan	14.0 22.1 20.1	18.7	69.9 123 104	99.0	3.8 4.2 3.7	3.9	20.9 17.1 16.3	18.1

April

	Spider snail muscle		Clam (Tridacna) muscle		Algae (Halimeda) Bkna Bknd		Spinny lobster liver	
	d/m/g	Ave	d/m/g	Ave	d/m/g	Ave	d/m/g	Ave
June	9.5 6.0 9.2	8.4	5.1 5.3 3.8	4.7	4.5	1.5	9.9 7.9 9.3	9.0
Oct	20.6 16.7 6.0	14.4	6.1 3.7 6.7	5.3	2.3 4.0 2.1	2.8	16.1 10.2 6.1	10.8
Jan	9.0 7.4 8.4	8.3	7.3 8.3 7.2	7.6	4.9 5.9 5.4	5.2	308 333 177	273

April

DO NOT WRITE

# Thailand d/m/g Wet

	<u>Leiognathus macleay</u>		"Anchovie" muscle		Grouper muscle		Tuna light muscle & Liver			
	d/m/g	Ave	d/m/g	Ave	d/m/g	Ave	d/m/g	Ave	d/m/g	Ave
June	9.5 7.2 7.4	8.0	6.2 6.5 4.1	5.6	8.6 10.6 11.9	10.4	11.4 10.3	10.8	9.9 10.9	10
Oct.	14.1 13.0 14.7	13.9	20.2 12.8 10.7	14.6	9.8 10.0 7.3	9.0	9.0 12.2	10.6	8.6 8.9	8
Jan	8.4 9.7 6.1	8.1	11.0 8.8 9.6	9.8	11.9 11.1 11.0	11.3	7.4 9.1	8.2	7.3 8.2	7
April										

	<u>Leiognathus viserra</u>		"Anchovie" viserra		Grouper liver		Tuna dark muscle	
	d/m/g	Ave	d/m/g	Ave	d/m/g	Ave	d/m/g	Ave
June	5.8 8.4 10.5	8.2	8.8 10.0	8.7	9.8 11.8 15.5	12.4	9.3 9.2	9.2
Oct	Bkgnd Bkgnd 95.2	31.7	8.6 Bkgnd 25.0	10.5	Bkgnd 8.2 5.1	4.4	7.5 9.3	8.4
Jan	Bkgnd 7.2 7.6	4.9	6.5 7.7 8.7	7.6	4.4 6.0 6.1	5.5	8.5 6.8	7.6
April								

DATE: 11/1/78

	Swimming Crab Muscle		Clam (Tridacna) Kidney		Arca		Algae	
	d/m/g	Ave	d/m/g	Ave	d/m/g	Ave	d/m/g	Ave
June	6.0 6.1 5.3	5.8	27.5 21.3	24.4	1/2 8.5 6.6	7.6	Laurencia (9.7 12.4 17.9) Pictyota (25.3 28.0 23.7)	10.0 25.1
Oct	4.9 5.5 4.2	4.9			1/2 4.6, 6.1 3.3, 4.3 3.1, 4.1	5.1	name? (8.4 11.9 12.2)	11.5
Jan	5.3 4.2 6.2	5.2	Pinna 19.8 visceral mass 8.0 Styela 16.3 visceral mass 6.3	8.9 6.3	soft parts 4.9 minus font 3.4 2.7	3.8	Sargassum (14.5 14.0 14.9)	14.3

April

	Swimming Crab Liver		Clam (Tridacna) Muscle		Arca	
	d/m/g	Ave	d/m/g	Ave	d/m/g	Ave
June	5.1 9.4 11.4	8.6	4.9 4.0	6.0		
Oct	3.2 3.9 3.8	3.0				
Jan	4.1 3.2 3.7	6.7	Pinna 5.3 visceral mass 4.4 Styela 6.4 visceral mass 3.9	4.8 3.9	bone 3.2 visceral 2.7 6.0	2.7

April

DOP ARCHITECTS