

Appendix

*Data from surveys of paua in the proposed marine reserve area off Nugget Point
(10 February 1994) with explanatory notes*

MAF Fisheries

PAUA SURVEY - KEY

Sea Condition

1 = calm
2 = wind chop
3 = swell < 1m
4 = swell 1-2m
5 = swell > 2m

Patch Frequency

1	1 - 4
2	5 - 10
3	11 - 20
4	21 - 40
5	41 - 80
6	> 80

KINA

L	Absent or very low density & barren ground
M	Present but sparse or in 1 or 2 patches
H	Abundant Some barrens Large Barren areas

Visibility

1 = > 10m
2 = 6 - 10m
3 = 3 - 6 m
4 = 1.5 - 3m
5 = < 1.5m

Topography

1 = Solid reef
2 = Boulder-huge
3 = Rock - 1/4m ²
4 = Cobbles
5 = Pebbles/gravel
6 = Rubble
7 = Conglomerate
8 = Sand

Rock Lobster

Record all sightings & approx age/size, sex if possible

Algae

Record all dominant macro algae

MAF Fisheries

PAUA SURVEY

Divers

Stratum Nuggets Vis 3 Site 18
 Date 10/2/94 Topo 1, 3, 8 Sea 2

	1	2
Name	<u>Steve</u>	<u>Ray</u>
Depth	<u>2m</u>	<u>2m</u>
Time		

L	Diver1	Diver2	L	Diver1	Diver2	L	Diver1	Diver2
50			90			130		1
51			91			131	1	
52			92			132		111
53			93		1	133		
54			94			134		1
55			95	1	111	135		1
56			96		1	136	1	
57			97			137		
58			98		1	138		
59			99		1	139		
60			100	1		140		
61			101			141	1	1
62			102			142		
63			103			143		
64			104			144	1	
65			105			145		
66			106			146		
67			107			147		
68			108			148		
69			109		1	149		
70			110			150		
71			111			151		
72			112	1	1	152		
73			113	1		153		
74			114		11	154		
75			115		1	155		
76			116		1	156		
77			117	1	1	157		
78	1		118		11	158		
79			119		1	159		
80			120	1	1	160		
81			121		11	161		
82			122			162		
83			123			163		
84			124	1	11	164		
85			125			165		
86			126	1	1	166		
87			127		11	167		
88			128		1	168		
89		1	129			169		

JUVENILES	
	56
	59
	42
	42
	37
	31
	69
	26
	38
	49
	65
	<u>0.12</u>
	35
	41
	<u>ans</u>
	27

H. australis	
	1

Patch Freq	1	2
1	7	9
2		5
3		
4		
5		
6		

Rock Lobster
0

Other
/

KINA
0 0

ALGAE
Davillea
Marginarella

(office use only)
Total Number

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Total Biomass

--	--

Marginarella here has oval slats

MAF Fisheries

PAUA SURVEY

Divers

Stratum Augusts
Date 10/12/94

Vis 3
Topo 1,2,3

Site 15
Sea 3

Name	1	2
	<u>Steve</u>	<u>Dean</u>
	Depth	Time
	<u>7m</u>	<u>7m</u>
	<u>28</u>	<u>28</u>

L	Diver1	Diver2	L	Diver1	Diver2	L	Diver1	Diver2
50			90			130		
51			91			131		
52			92			132		
53			93			133		
54			94			134		
55			95			135		
56			96			136		
57			97			137		
58			98			138		
59			99			139		
60			100			140		
61			101			141		
62			102			142		
63			103			143		
64			104			144		
65			105			145		
66			106			146		
67			107			147		
68			108			148		
69			109			149		
70			110			150		
71			111			151		
72			112			152		
73			113			153		
74			114			154		
75			115			155		
76			116			156		
77			117			157		
78			118			158		
79			119			159		
80			120			160		
81			121			161		
82			122			162		
83			123			163		
84			124			164		
85			125			165		
86			126			166		
87			127			167		
88			128			168		
89			129			169		

JUVENILES	
78	75
58	74
28	73
10	68

H. australis	
90	95
115	103

H. v. r. g.
43
54
42
43
46
41
44
38
34

Patch Freq	1	5
1	10	5
2	3	
3		
4		1
5	1	
6		1

Rock Lobster
1 x 0+
12 x 0+ to 1+

Other

KINA
0 0

ALGAE
Durvillaea
Masquinarella

(office use only)
Total Number

Total Biomass

