

APPENDIX I

Published Dates of Northern New South Wales

Midden Sites

Site Name	Lab No	Convent Date	SD	Material Dated	Site Type	Reference
Sth Ballina Beach	GAK3431	modern	0		f/s	McBryde 1982
Sth Ballina Beach	GAK3432	260	80		f/s	McBryde 1982
South Beach	GAK3433	350	130	charcoal	f/s	McBryde 1982
South Beach	GX2095	200	90	charcoal	f/s	McBryde 1982
South Beach	GX2096	<160		charcoal	f/s	McBryde 1982
Maguires Crossing	SUA486	915	106	charcoal	f/s	Connah 1976
Maguires Crossing	SUA485	925	106	charcoal	f/s	Connah 1976
Chiciba Ck B1	SUA122	920	80	charcoal	inland	Bailey 1975
Inner Barrier 4	SUA483	1060	100	charcoal	inland	Connah 1976
Maguires Crossing	GAK2456	1210	90	charcoal	f/s	Campbell 1972
Chiciba Ck B1	SUA123	1460	90	charcoal	inland	Bailey 1975
Wombah 1	GAK556	1530	90	charcoal	inland	McBryde 1966/1974
Wombah 1	GX0108	1660	180	charcoal	inland	McBryde 1965
Chiciba Ck B1	SUA124	1720	80	charcoal	inland	Bailey 1975
Wombah 1	GAK374	2580	150	charcoal	inland	McBryde 1965
Inner Barrier 4	SUA487	2550	106	charcoal	inland	Connah 1976
Wombah 1	GAK375	2670	160	charcoal	inland	McBryde 1965
Wombah 1	GAK376	2870	130	charcoal	inland	McBryde 1965
Wombah 1	GAK564	2960	120	charcoal	inland	McBryde 1966/1974
Wombah 1	GAK565	2930	100	charcoal	inland	McBryde 1966/1974
Wombah 1	GAK567	3040	120	charcoal	inland	McBryde 1966/1974
Connection Ck 1	SUA395/2	3340	100	shell	inland	Connah 1975
Connection Ck 1	SUA396/2	3380	100	shell	inland	Connah 1975
Connection Creek	GAK2459	3460	120	shell	inland	Campbell 1972
Wombah 1	GAK568	3230	100	charcoal	inland	McBryde 1966/1974
Clybucca 3	SUA274	3360	120	charcoal	inland	Connah 1975
Connection Ck 1	SUA396/1	3400	100	charcoal	inland	Connah 1975
Connection Ck 1	SUA395S	3750	100	shell	inland	Connah 1975
Connection Ck 1	SUA396S	3790	100	shell	inland	Connah 1975
Connection Ck 1	SUA395/1	3720	100	charcoal	inland	Connah 1975
Connection Ck 1	SUA397	3790	130	charcoal	inland	Connah 1975
Clybucca 1	GAK2457	3850	140	charcoal	inland	Campbell 1972
Connection Ck 1	SUA394	4110	100	charcoal	inland	Connah 1975
Clybucca 3	SUA275	4260	120	charcoal	inland	Connah 1975
Connection Creek	GAK2458	4850	160	shell	inland	Campbell 1972

Site Name	Lab No	Convent Date	SD	Material Dated	Site Type	Reference
Clybucca 3	SUA276	5120	150	charcoal	inland	Connah 1975
Arrawarra I	Beta-114723	1230	50	charcoal	f/s	Smith 1998a
Arrawarra I	Beta-114724	1330	70	charcoal	f/s	Smith 1998a
Arrawarra I	Beta-114725	1130	60	charcoal	f/s	Smith 1998a
Red Rock Reserve	Beta-120083	3510	70	charcoal	inland	Smith 2000
Red Rock Reserve	Beta-120084	2750	70	charcoal	inland	Smith 2000
Red Rock Reserve	Beta-120085	2960	70	charcoal	inland	Smith 2000

Comparative Reference Collection

Specimen No	Family	Classification	Common Name	Total Length mm	Fork Length mm	Cranial Length mm
1	Sillaginidae	<i>Sillago maculata</i>	whiting	210		
2	Sillaginidae	<i>Sillago maculata</i>	whiting	255		
3	Sparidae	<i>Chrysophrys auratus</i>	snapper	910		
4	Sillaginidae	<i>Sillago maculata</i>	whiting	240		
5	Sillaginidae	<i>Sillago maculata</i>	whiting	215		
6	Sillaginidae	<i>Sillago maculata</i>	whiting	250		
7	Sillaginidae	<i>Sillago maculata</i>	whiting	215		
8	Sillaginidae	<i>Sillago maculata</i>	whiting	220		
9	Sparidae	<i>Chrysophrys auratus</i>	snapper	390		
10	Sparidae	<i>Acanthopagrus australis</i>	bream	305		
11	Sparidae	<i>Chrysophrys auratus</i>	snapper	380		
12	Mugilidae	<i>Mugil cephalus</i>	mullet	350		
13	Mugilidae	<i>Mugil cephalus</i>	mullet	295		
14	Sparidae	<i>Chrysophrys auratus</i>	snapper	365		
15	Sparidae	<i>Acanthopagrus australis</i>	bream	375		
16	Epinephelidae	<i>Epinephelus coioides</i>	estuary cod	645		
17	Platycephalidae	<i>Platycephalus indicus</i>	tiger/bar-tailed flathead	390		
18	Mugilidae	<i>Mugil cephalus</i>	mullet	0		64
19	Mugilidae	<i>Mugil cephalus</i>	mullet	0		72
20	Mugilidae	<i>Mugil cephalus</i>	mullet	0		55
21	Mugilidae	<i>Mugil cephalus</i>	mullet	0		65
22	Mugilidae	<i>Mugil cephalus</i>	mullet	0		58
23	Mugilidae	<i>Mugil cephalus</i>	mullet	0		54
24	Mugilidae	<i>Mugil cephalus</i>	mullet	0		70
25	Pomotomidae	<i>Pomatomus saltatrix</i>	tailor	354		
26	Pomotomidae	<i>Pomatomus saltatrix</i>	tailor	346		
27	Sciaenidae	<i>Argyrosomus hololepidotus</i>	mulloway	0		
28	Platycephalidae	<i>Platycephalus fuscus</i>	dusky flathead	418		
29	Platycephalidae	<i>Platycephalus fuscus</i>	dusky flathead	0		
30	Platycephalidae	<i>Platycephalus fuscus</i>	dusky flathead	0		105
31	Platycephalidae	<i>Platycephalus fuscus</i>	dusky flathead	0		101
32	Platycephalidae	<i>Platycephalus fuscus</i>	dusky flathead	0		93
33	Platycephalidae	<i>Platycephalus fuscus</i>	dusky flathead	0		106
34	Platycephalidae	<i>Platycephalus fuscus</i>	dusky flathead	0		99
35	Sillaginidae	<i>Sillago maculata</i>	whiting	0		56
36	Sillaginidae	<i>Sillago maculata</i>	whiting	0		67

Comparative Reference Collection

Specimen No	Family	Classification	Common Name	Total Length mm	Fork Length mm	Cranial Length mm
37	Sillaginidae	<i>Sillago maculata</i>	whiting	0		57
38	Sillaginidae	<i>Sillago maculata</i>	whiting	0		64
39	Sillaginidae	<i>Sillago maculata</i>	whiting	0		72
40	Sillaginidae	<i>Sillago maculata</i>	whiting	0		31
41	Mugilidae	<i>Mugil cephalus</i>	mullet	390		
42	Mugilidae	<i>Mugil cephalus</i>	mullet	368		
43	Scomberomerae	<i>Scomberomorus commerson</i>	spanish mackerel	0		160
44	Girellidae	<i>Girella tricuspidata</i>	luderick	240		
45	Carangidae	<i>Pseudocaranx dentex</i>	trevally	260		
46	Scorpididae	<i>Scorpis lineolata</i>	sweep	240		
47	Sparidae	<i>Acanthopagrus australis</i>	bream	0		
48	Sparidae	<i>Rhabdosargus sarba</i>	tarwhine	230		
49	Sparidae	<i>Chrysophrys auratus</i>	snapper	345		
50	Mullidae	<i>Upeneichthys lineatus</i>	red mullet	185		
51	Scorpaenidae	<i>Scorpaena cardinalis</i>	scorpion cod	270		
52	Triglidae		gurnard	265		
53	unknown		pop-eyed cod	255		
54	Cheilodactylidae	<i>Nemadactylus douglasii</i>	morwong	290		
55	Aulopidae	<i>Aulopus purpurissatus</i>	sgt. Baker	320		
56	Percichthyidae	<i>Macquaria colonorum</i>	australian bass	295	240	
57	Mugilidae	<i>Mugil cephalus</i>	mullet	0		
58	Arripidae	<i>Arripis trutta</i>	australian salmon	520	425	
59	Mugilidae	<i>Mugil cephalus</i>	mullet	0		
60	Mugilidae	<i>Mugil cephalus</i>	mullet	0		
61	Mugilidae	<i>Mugil cephalus</i>	mullet	0		
BRA32/76	Sciaenidae	<i>Argyrosomus hololepidotus</i>	mulloway	unknown		
BRA77/76	Labridae	unknown	wrasse/parrot fish	350		
BRA175/78	Zeidae	<i>Zeus faber</i>	john dory	unknown		
BRA71/76	unknown	unknown	pigfish	300		
BRA73/76	Platycephalidae	<i>Platycephalus fuscus</i>	dusky flathead	363		
BRA117/77	Haemulidae	<i>Plectorhinchus flavomaculatus</i>	butterfish/ sweetlips	unknown		
UNE85/126	Diodontidae	unknown	porcupine fish	unknown		

APPENDIX II

Comparative Reference Collection

Comparative Reference Collection

Specimen No	Family	Classification	Common Name	Total Length mm	Fork Length mm	Cranial Length mm
1	Sillaginidae	<i>Sillago maculata</i>	whiting	210		
2	Sillaginidae	<i>Sillago maculata</i>	whiting	255		
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4	Sillaginidae	<i>Sillago maculata</i>	whiting	240		
5	Sillaginidae	<i>Sillago maculata</i>	whiting	215		
6	Sillaginidae	<i>Sillago maculata</i>	whiting	250		
7	Sillaginidae	<i>Sillago maculata</i>	whiting	215		
8	Sillaginidae	<i>Sillago maculata</i>	whiting	220		
9	Sparidae	<i>Chrysophrys auratus</i>	snapper	390		
10	Sparidae	<i>Acanthopagrus australis</i>	bream	305		
11	Sparidae	<i>Chrysophrys auratus</i>	snapper	380		
12	Mugilidae	<i>Mugil cephalus</i>	mullet	350		
13	Mugilidae	<i>Mugil cephalus</i>	mullet	295		
14	Sparidae	<i>Chrysophrys auratus</i>	snapper	365		
15	Sparidae	<i>Acanthopagrus australis</i>	bream	375		
16	Epinephelidae	<i>Epinephelus coioides</i>	estuary cod	645		
17	Platycephalidae	<i>Platycephalus indicus</i>	tiger/bar-tailed flathead	390		
18	Mugilidae	<i>Mugil cephalus</i>	mullet	0		64
19	Mugilidae	<i>Mugil cephalus</i>	mullet	0		72
20	Mugilidae	<i>Mugil cephalus</i>	mullet	0		55
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22	Mugilidae	<i>Mugil cephalus</i>	mullet	0		58
23	Mugilidae	<i>Mugil cephalus</i>	mullet	0		54
24	Mugilidae	<i>Mugil cephalus</i>	mullet	0		70
25	Pomotomidae	<i>Pomatomus saltatrix</i>	tailor	354		
26	Pomotomidae	<i>Pomatomus saltatrix</i>	tailor	346		
27	Sciaenidae	<i>Argyrosomus hololepidotus</i>	mulloway	0		
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29	Platycephalidae	<i>Platycephalus fuscus</i>	dusky flathead	0		
30	Platycephalidae	<i>Platycephalus fuscus</i>	dusky flathead	0		105
31	Platycephalidae	<i>Platycephalus fuscus</i>	dusky flathead	0		101
32	Platycephalidae	<i>Platycephalus fuscus</i>	dusky flathead	0		93
33	Platycephalidae	<i>Platycephalus fuscus</i>	dusky flathead	0		106
34	Platycephalidae	<i>Platycephalus fuscus</i>	dusky flathead	0		99
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49	Sparidae	<i>Chrysophrys auratus</i>	snapper	345		
50	Mullidae	<i>Upeneichthys lineatus</i>	red mullet	185		
51	Scorpaenidae	<i>Scorpaena cardinalis</i>	scorpion cod	270		
52	Triglidae		gurnard	265		
53	unknown		pop-eyed cod	255		
54	Cheilodactylidae	<i>Nemadactylus douglasii</i>	morwong	290		
55	Aulopidae	<i>Aulopus purpurissatus</i>	sgt. Baker	320		
56	Percichthyidae	<i>Macquaria colonorum</i>	australian bass	295	240	
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58	Arripidae	<i>Arripis trutta</i>	australian salmon	520	425	
59	Mugilidae	<i>Mugil cephalus</i>	mullet	0		
60	Mugilidae	<i>Mugil cephalus</i>	mullet	0		
61	Mugilidae	<i>Mugil cephalus</i>	mullet	0		
BRA32/76	Sciaenidae	<i>Argyrosomus hololepidotus</i>	mulloway	unknown		
BRA77/76	Labridae	unknown	wrasse/parrot fish	350		
BRA175/78	Zeidae	<i>Zeus faber</i>	john dory	unknown		
BRA71/76	unknown	unknown	pigfish	300		
BRA73/76	Platycephalidae	<i>Platycephalus fuscus</i>	dusky flathead	363		
BRA117/77	Haemulidae	<i>Plectorhinchus flavomaculatus</i>	butterfish/ sweetlips	unknown		
UNE85/126	Diodontidae	unknown	porcupine fish	unknown		

APPENDIX III

Skeletal Element Measurements and Total Length of

Platycephalidae and Sparidae

In Comparative Reference Collection

APPENDIX III

**Skeletal Element Measurements and Total Length of
Platycephalidae and Sparidae in Comparative Reference Collection.**

Table III.1 Total Length and Dentary Symphysis Height of Platycephalidae in Comparative Collection.

Comparative Collection Reference No.	Taxon	Total Length (mm)	Dentary Symphysis Height (mm)
28	flathead	418	4.4
17	flathead	390	4.2
73/76	flathead	363	3.5

Table III.2 Total Length and Supraoccipital Width of Sparidae in Comparative Collection.

Comparative Collection Reference No.	Taxon	Total Length (mm)	Supra- occipital Width (mm)
15	breem	375	10.4
49	snapper	345	8.5
3	snapper	910	25.6

APPENDIX IV

*Allocation of Faunal Remains
(Shellfish, Fish, and 'Other' Fauna)
to Analytical Units*

APPENDIX IV

Allocation of Faunal Remains to Analytical Units

Clybucca 3, Cutting II

Shellfish Remains

Table IV.1 Analytical Unit 1 – Adjusted for Different Areas Excavated

Taxa	Spit 1	Spit 2	AU1
Anadara trapezia	0.25	1	1.25
Sacostrea commercialis	0.75	20.75	21.5
Other	0	0.25	0.25
Fragments	0.75	23.5	24.25

Table IV.2 Analytical Unit 2 – Adjusted for Different Areas Excavated

Taxa	Spit 3	Spit 4	Spit 5	Spit 6	Spit 7	Spits 8&9	AU2
Anadara trapezia	1.5	2	2	2.5	2.5	6	16.5
Sacostrea commercialis	39.25	31.5	30	28	43.5	51	223.25
Other	0.5	0.5	0.5	1	0.5	0.5	3.5
Fragments	48.25	37	37.5	40	48.5	65	276.25

Table IV.3 Analytical Units 4 and 5

Taxa	Spits 10&11	Spits 12&13	AU4 and 5
Anadara trapezia	1	0.5	1.5
Sacostrea commercialis	12	0.5	12.5
Other	0.5	0	0.5
Fragments	14.5	0.5	15

Stuarts Point 1, Cutting II

Shellfish Remains

Table IV.4 Analytical Unit 1 – Adjusted for Different Areas Excavated

Taxa	L1S1	L1S2	L1S3	Analytical
	kg	kg	kg	Unit 1
<i>Anadara trapezia</i>	4.13	6.88	5.13	32.25
<i>Saccostrea commercialis</i>	21.38	37.75	24.13	166.5
<i>Pyrazus ebeninus</i>	2.38	1.5	0.88	9.5
Other	4.5	3.25	2.38	20.25
<i>Fragments</i>	26.38	34.75	16.25	154.75
	58.77	84.13	48.77	383.25

Table IV.5 Analytical Unit 2 – Adjusted for Different Areas Excavated

Taxa	L2S1	L2S2	L2S3	Analytical
	kg	kg	kg	Unit 2
<i>Anadara trapezia</i>	6.63	20.88	19.88	94.75
<i>Saccostrea commercialis</i>	36	47.38	75.5	317.75
<i>Pyrazus ebeninus</i>	1.25	3.25	4.38	17.75
Other	2.63	4.5	7.5	29.25
<i>Fragments</i>	24.75	30.63	27.5	165.75
	71.26	106.64	134.76	625.25

Table IV.6 Analytical Unit 3

Taxa	L2S4	L2S5	Analytical
	kg	kg	Unit 3
<i>Anadara trapezia</i>	14	28.5	42.5
<i>Saccostrea commercialis</i>	62.5	49.75	112.25
<i>Pyrazus ebeninus</i>	0.5	0	0.5
Other	2.75	4	6.75
<i>Fragments</i>	13.75	16	29.75
	93.5	98.25	191.75

Allocation of Faunal Remains to Analytical Units

Table IV.7 Analytical Unit 4

Taxa	L2S6 kg	L2S7 kg	L2S8 kg	L2S9 kg	L2S10 kg	L2S11 kg	L2S12 kg	L2S13 kg	Analytical Unit 4
<i>Anadara trapezia</i>	50.75	87.25	86	120.25	61	72.55	65	2.5	545.3
<i>Saccostrea commercialis</i>	22.75	10.25	7	5.5	4	1	0.5	0	51
<i>Pyrazus ebeninus</i>	0	0	0	0	0	0	0	0	0
Other	2.5	2	1.75	0.5	0.75	0.5	0.5	0	8.5
<i>Fragments</i>	13	12	10.75	13	10.5	5.5	4	0	68.75
	89	111.5	105.5	139.25	76.25	79.55	70	2.5	673.55

Allocation of Fish Remains

Table IV.8 Fish Remains – Clybuca 3, Cutting I, Analytical Unit 1

Taxon	Dentary	Broken Dentary	Premaxilla	Prevomer	Supraoccipital	Cleithrum	Urohyal	Otolith	Atlas	Broken vert	Spines/Ptery	Pieces	Total NISP	Weight (g)	MNI
Platycephalidae	6	5	1	1									13	2.37	3
Sparidae			1		6								7	2.68	6
Sciaenidae			2					1					3	5.5	2
NISP	6	5	4	1	6			1					23	10.55	
Unidentified	1					2	7		1	3	95	20	129	9.48	
Total	7	5	4	1	6	2	7	1	1	3	95	20	152	20.03	

Table IV.9 Fish Remains – Clybuca 3, Cutting I, Analytical Unit 2

Taxon	Dentary	Broken Dentary	Articular	Maxilla	Premaxilla	Broken Premax	Quadrate	Prevomer	Broken Prevomer	Supraoccipital	Cleithrum	Hyomandib	Urohyal	Post-temporal	Inter-musc	Atlas	Abdominal vert	Caudal vert	Vertebrae	Broken vert	Ultimate vert	Vert Pieces	Spines/Ptery	Pieces	NISP	Total NISP	Weight (g)	
Platycephalidae	19	12	3		10			5	4							1	1									55	65	14.01
<i>Platycephalus fuscus</i>																						9				9		
<i>Platycephalus indicus</i>																						1				1		
Sparidae	3	8		4	4	3	2			21						3	8	2								58	64	10.72
<i>Acanthopagrus australis</i>					5																					5		
<i>Rhabdosargus sarba</i>					1																					1		
Mugilidae																	33	6				6				45	45	4.03
Sillaginidae																	7	5								12	12	.46
Sciaenidae	1				1																					2	2	1.96
NISP	23	20	3	4	21	3	2	5	4	21						4	49	13			16				188	188	31.18	
Unidentified											5	3	25	3	3				61	118	7	37	510	1269	2041		126.52	
Total	23	20	3	4	21	3	2	5	4	21	5	3	25	3	3	4	49	13	61	118	23	37	510	1269	2229		157.7	

Table IV.10 Fish Remains – Clybucca 3, Cutting I, Analytical Unit 3

Taxon	Dentary	Premaxilla	Supraoccipital	Ultimate vert	Spines/Ptery	Pieces	Total NISP	Weight (g)	MNI
Platycephalidae							10.08		1
<i>Platycephalus fuscus</i>				1					
Sparidae			3				30.56		3
NISP			3	1			40.64		
Unidentified	2	1			20	10	332.08		
Total	2	1	3	1	20	10	372.72		

Table IV.11 Fish Remains – Clybuca 3, Cutting II, Analytical Unit 1

Taxon	Broken Dentary	Broken Premaxilla	Supraoccipital	Abdominal vert	Broken vert	Spines/Ptery	Total NISP	Weight (g)	MNI
Platycephalidae	1						1	0.31	1
Sparidae	1	2	8				11	4.46	8
Mugilidae				1			1	0.08	1
Sciaenidae	1						1	0.38	1
NISP	3	2	8	1			14	5.23	
Unidentified	1				1	6	8	1.54	
Total	4	2	8	1	1	6	22	6.77	

Table IV.12 Fish Remains – Clybucca 3, Cutting II, Analytical Unit 2

Taxon	Dentary	Broken Dentary	Premaxilla	Broken Premaxilla	Post-temporal	Supraoccipital	Otolith	Atlas	Abdominal vert	Caudal vert	Vertebrae	Broken vert	Ultimate vert	Spines/Ptery	Pieces	NISP	Total NISP	Weight (g)	MNI
Platycephalidae <i>Platycephalus fuscus</i>	19	1		2	1			2	1				7		26	33	7.1	12	
Sparidae <i>Acanthopagrus australis</i>		4	2	2		12				1					21	27	9.89	12	
Mugilidae									3						3		30.2	1	
Sillaginidae	1									1					2		20.22	1	
Sciaenidae							1								1		12.48	1	
NISP	21	5	5	6	1	12	1	2	4	2			7		66	66	19.89		
Unidentified											1	4	1	123	44		20.09		
Total	21	5	5	6	1	12	1	2	4	2	1	4	8	123	44	239	39.98		

Table IV.13 Summary of Fish Remains – Clybuca 3, Cutting I

Taxon	Analytical Unit 1			Analytical Unit 2			Analytical Unit 3		
	MNI	NISP	Weight (g)	MNI	NISP	Weight (g)	MNI	NISP	Weight (g)
Platycephalidae	3	13	2.37	12	65	14.01	1	1	0.08
Sparidae	6	7	2.68	21	64	10.72	3	3	0.56
Mugilidae	0	0	0	6	45	4.03	0	0	0
Sillaginidae	0	0	0	1	12	0.46	0	0	0
Sciaenidae	2	3	5.5	1	2	1.96	0	0	0

Table IV.14 Summary of Fish Remains – Clybuca 3, Cutting II

Taxon	Analytical Unit 1			Analytical Unit 2		
	MNI	NISP	Weight (g)	MNI	NISP	Weight (g)
Platycephalidae	1	1	0.31	19	60	13.61
Sparidae	8	11	4.46	38	53	18.94
Mugilidae	1	1	0.08	1	3	0.2
Sillaginidae				1	2	0.22
Sciaenidae	1	1	0.38	1	4	7.65

Table IV.15 Summary of Fish Remains – Clybucca 3, Cutting I, Adjusted for Different Excavation Areas

Taxon	Analytical Unit 1			Analytical Unit 2			Analytical Unit 3		
	MNI	NISP	Weight (g)	MNI	NISP	Weight (g)	MNI	NISP	Weight (g)
Platycephalidae	3	13	2.37	12	65	14.01	1	1	0.08
Sparidae	5	6	2.52	21	64	10.72	3	3	0.56
Mugilidae	0	0	0	6	45	4.03	0	0	0
Sillaginidae	0	0	0	1	12	0.46	0	0	0
Sciaenidae	2	3	5.5	1	2	1.96	0	0	0

Table IV.16 Summary of Fish Remains – Clybucca 3, Cutting II, Adjusted for Different Excavation Areas

Taxon	Analytical Unit 1			Analytical Unit 2		
	MNI	NISP	Weight (g)	MNI	NISP	Weight (g)
Platycephalidae	1	1	0.31	16	47	10.36
Sparidae	4	6	2.23	29	40	14.42
Mugilidae	1	1	0.08	1	3	0.2
Sillaginidae				1	2	0.22
Sciaenidae	1	1	0.38	1	3	5.07

Table IV.17 Summary of Fish Remains – Clybucca 3, Cuttings I and II Combined

Taxon	Analytical Unit 1			Analytical Unit 2			Analytical Unit 3		
	MNI	NISP	Weight (g)	MNI	NISP	Weight (g)	MNI	NISP	Weight (g)
Platycephalidae	4	14	2.68	28	112	24.37	1	1	0.08
Sparidae	9	12	4.85	50	104	25.14	3	3	0.56
Mugilidae	1	1	0.08	7	48	4.23	0	0	0
Sillaginidae	0	0	0	2	14	0.68	0	0	0
Sciaenidae	3	4	5.88	2	5	7.03	0	0	0

Table IV.18 Fish Remains – Stuarts Point 1, Cutting II, Analytical Unit 1

Taxon	Dentary	Broken Dentary	Articular	Maxilla	Premaxilla	Broken Premax	Quadrate	Prevomer	Broken Prevomer	Palatine	Supraoccipital	Cleithrum	Urohyal	Post-temporal	Otolith	Intermusc	Atlas	Abdominal vert	Vertebrae	Broken vert	Ultimate vert	Vert Pieces	Spines/Ptery	Pieces	NISP	Total NISP	Weight (g)	MNI
Platycephalidae	64	13	21	1	67		1	3	14	2		1		1			13	3			1				205	257	96.52	53
<i>Platycephalus fuscus</i>																					52				52			
Sparidae	5	1	2	2	6	6					50	1					1	3			1				78	92	32.16	50
<i>Acanthopagrus australis</i>	1				11																				12			
<i>Rhabdosargus sarba</i>		1			1																				2			
Mugilidae																		3							3	3	0.4	1
Sillaginidae																	2	5							7	7	1.07	2
Sciaenidae															1										1	1	0.56	1
NISP	70	15	23	3	85	6	1	3	14	2	50	2	0	1	1	0	16	14	0	0	54	0	0	0	360	360	130.71	107
Unidentified	5	0	0	0	0	0	6	0	0	3	1	15	11	2	0	4	0	0	13	49	7	9	187	811	1123	165.96		
Totals	75	15	23	3	85	6	7	3	14	5	51	17	11	3	1	4	16	14	13	49	61	9	187	811	1483	296.67		

Table IV.19 Fish Remains – Stuarts Point 1, Cutting II, Analytical Unit 2

Taxon	Dentary	Broken Dentary	Articular	Maxilla	Premaxilla	Broken Premax	Prevomer	Broken Prevomer	Palatine	Supraoccipital	Cleithrum	Hyomandibular	Urohyal	Post-temporal	Pre-opercular	Neurocranium	Inter-muscular	Atlas	Axis	Abdominal vert	Caudal Vert	Vertebrae	Broken vert	Ultimate vert	Vert Pieces	Spines/Ptery	Scale	Pieces	NISP
Platycephalidae	77	45	22		74		12	24	7					10				20		12	1								304
<i>Platycephalus fuscus</i>																								59					59
<i>Platycephalus indicus</i>																								4					4
Sparidae	25	30	9	16	13	31				87								2		35	9	1							258
<i>Acanthopagrus australis</i>	2				40																								42
<i>Rhabdosargus sarba</i>	1				3																								4
Mugilidae	1																				74	8							83
Sillaginidae									1									1	3	17		6							28
Sciaenidae	1	2																1											4
Girellidae					1																								1
Pomotomidae		1																											1
NISP	107	78	31	16	131	31	12	24	8	87				10				24	3	138	18	7		63					788
Unidentified	20		25		1				3	2	61	5	51	1	1	45	19					161	352	26	298	961	1	3621	5654
Totals	127	78	56	16	132	31	12	24	11	89	61	5	51	11	1	45	19	24	3	138	18	168	352	89	298	961	1	3621	6442

Allocation of Faunal Remains to Analytical Units

Table IV.20 Fish Remains – Stuarts Point, Cutting II, Analytical Unit 3

Taxon	Dentary	Broken Dentary	Articular	Maxilla	Premaxilla	Broken Premax	Quadrate	Prevomer	Broken Prevomer	Palatine	Supraoccipital	Cleithrum	Urohyal	Neurocranium	Post-temporal	Otolith	Intermusc	Atlas	Abdominal Vert	Caudal Vert	Vertebrae	Broken vert	Ultimate vert	Vert Pieces	Spines/Ptery	Scale	Pieces	NISP	Total NISP	
Platycephalidae	38	23	22	3	20			5	14	6					2			7	2	7									149	165
<i>Platycephalus fuscus</i>																							16						16	
<i>Platycephalus indicus</i>																												0		
Sparidae	11	12	4	5	4	6					15								8	2								67	85	
<i>Acanthopagrus australis</i>					16																							16		
<i>Rhabdosargus sarba</i>					2																							2		
Mugilidae																			49	3		1	10					63	63	
Sillaginidae																			1	1								2	2	
Sciaenidae	1				1											1												3	3	
Girellidae																			3									3	3	
Scorpididae																			3									3	3	
NISP	50	35	26	8	43	6		5	14	6	15				2	1		7	66	13		1	26				324	324		
Unidentified	2						1					1	35	6				1			61	208	8	63	387	9	1682	2464		
Totals	52	35	26	8	43	6	1	5	14	6	15	1	35	6	2	1	0	8	66	13	61	209	34	63	387	9	1682	2788		

Table IV.21 Fish Remains – Stuarts Point 1, Cutting II, Analytical Unit 4

Taxon	Dentary	Broken Dentary	Articular	Maxilla	Premaxilla	Broken Premax	Quadrate	Prevomer	Broken Prevomer	Palatine	Supraoccipital	Cleithrum	Hyomandibular	Urohyal	Post-temporal	Operculum	Neurocranium	Intermusc	Atlas	Axis	Abdominal Vert	Caudal Vert	Vertebrae	Broken vert	Ultimate vert	Vert Pieces	Spines/Ptery	Scale	Pieces	
Platycephalidae	31	15	40		26			5	11	5					6				19	1	2	5								
<i>Platycephalus fuscus</i>																														32
<i>Platycephalus indicus</i>																														4
Sparidae	12	5	4	4	10	12					23										8	4								
<i>Acanthopagrus australis</i>					23																									
<i>Rhabdosargus sarba</i>						1																								
Mugilidae			1																		20	3							8	
Sillaginidae																					2	5								
Sciaenidae	2				1																									
Girellidae					2					1																				
Scorpididae																														
NISP	45	20	45	4	62	13		5	11	6	23				6				19	1	35	17						44		
Unidentified	7		1				5			1		53	6	32	1	7	44	2	1				21	91	2	99	433	3	1281	
Totals	52	20	46	4	62	13	5	5	11	7	23	53	6	32	7	7	44	2	20	1	35	17	21	91	46	99	433	3	1281	

Table IV.22 Summary of Fish Remains – Stuarts Point 1, Cutting II

Taxon	Analytical Unit 1			Analytical Unit 2			Analytical Unit 3			Analytical Unit 4		
	MNI	NISP	Weight (g)	MNI	NISP	Weight (g)	MNI	NISP	Weight (g)	MNI	NISP	Weight (g)
Platycephalidae	53	257	96.52	63	367	143.06	20	165	40.22	36	202	45.62
Sparidae	50	92	32.16	87	304	90.67	15	85	20.01	23	106	30.52
Mugilidae	1	3	0.4	7	83	11.99	10	63	8.6	8	32	4.21
Sillaginidae	2	7	1.07	2	28	2.93	1	2	0.19	1	7	0.49
Sciaenidae	1	1	0.56	2	4	2.9	1	3	2.23	1	3	1.28
Girellidae	0	0	0	1	1	0.1	1	3	0.25	1	6	0.41
Scorpididae	0	0	0	0	0	0	1	3	0.33	0	0	0
Pomotomidae	0	0	0	1	1	0.3	0	0	0	0	0	0

Table IV.23 Summary of Fish Remains – Stuarts Point 1, Cutting II, Adjusted for Different Areas Excavated

Taxon	Analytical Unit 1			Analytical Unit 2			Analytical Unit 3			Analytical Unit 4		
	MNI	NISP	Weight (g)	MNI	NISP	Weight (g)	MNI	NISP	Weight (g)	MNI	NISP	Weight (g)
Platycephalidae	27	129	48.26	32	184	71.53	20	165	40.22	36	202	45.62
Sparidae	25	46	16.08	49	152	45.34	15	85	20.01	23	106	30.52
Mugilidae	1	2	0.2	4	42	6	10	63	8.6	8	32	4.21
Sillaginidae	1	4	0.54	1	14	1.47	1	2	0.19	1	7	0.49
Sciaenidae	0	1	0.28	1	2	1.45	1	3	2.23	1	3	1.28
Girellidae	0	0	0	1	1	0.05	1	3	0.25	1	6	0.41
Scorpididae	0	0	0	0	0	0	1	3	0.33	0	0	0
Pomotomidae	0	0	0	1	1	0.15	0	0	0	0	0	0

Allocation of 'Other' Faunal Remains

Clybucca 3, Cutting I

Table IV.24 Analytical Unit 1

Taxon	Spit 1	Spit 2	Analytical Unit 1
Mammal	0	30.09	30.09
Reptile	0	0	0
Bird	0	0.47	0.47
Crab	0	0	0
	0	30.56	30.56

Table IV.25 Analytical Unit 2

Taxon	Spit 3	Spit 4	Spit 5	Spit 6	Analytical Unit 2
Mammal	25.75	44.56	6.07	3.23	79.61
Reptile	0	0	0	0	0
Bird	1.01	3.5	0	0	4.51
Crab	1.46	0	0	0	1.46
	28.22	48.06	6.07	3.23	85.58

Table IV.26 Analytical Unit 3

Taxon	Spit 7	Spits 8 and 9	Analytical Unit 3
Mammal	11.08	1.75	12.83
Reptile	0	0	0
Bird	0	0	0
Crab	0	0	0
	11.08	1.75	12.83

Clybuca 3, Cutting II

Table IV.27 Analytical Unit 1

Taxon	Spit 1	Spit 2	Analytical Unit 1
Mammal	0	21.5	21.5
Reptile	0	0	0
Bird	0	1.71	1.71
Crab	0	0	0

Table IV.28 Analytical Unit 2

Taxon	Spit 3	Spit 4	Spit 5	Spit 6	Spit 7	Spits 8 and 9	Analytical Unit 2
Mammal	71.26	72.81	58.53	45.15	47.28	23.84	318.87
Reptile	0.16	0	0.22	0	0	0.47	0.85
Bird	2.12	0	0	0	0	0	2.12
Crab	0.24	0	0	0	0	0	0.24
Turtle	1.76	0	0	0	0	0	1.76

Table IV.29 Analytical Units 4 and 5

Taxon	Spits 10 and 11	Analytical Units 4 and 5
Mammal	5.7	5.7
Reptile	0	0
Bird	0	0
Crab	0	0

Clybucca 3

Table IV.30 Analytical Unit 1 – Cuttings I and II, Adjusted for Different Excavation Areas

Taxon	Spit 1	Spit 2	Analytical Unit 1
Mammal	0	41.7	41.7
Reptile	0	0	0
Bird	0	1.33	1.33
Crab	0	0	0

Table IV.31 Analytical Unit 2 – Cuttings I and II, Adjusted for Different Excavation Areas

Taxon	Spit 3	Spit 4	Spit 5	Spit 6	Spit 7	Spits 8 and 9	Analytical Unit 2
Mammal	61.38	117.37	64.6	48.38	47.28	23.84	362.85
Reptile	0.08	0	0.22	0	0	0.47	0.77
Bird	2.07	3.5	0	0	0	0	5.57
Crab	1.58	0	0	0	0	0	1.58
Turtle	0.88	0	0	0	0	0	0.88

Table IV.32 Analytical Unit 3 – Cuttings I and II

Taxon	Spit 7	Spits 8 and 9	Analytical Unit 3
Mammal	11.08	1.75	12.83
Reptile	0	0	0
Bird	0	0	0
Crab	0	0	0

Table IV.33 Analytical Units 4 and 5 – Cuttings I and II

Taxon	Spits 10 and 11	Analytical Units 4 and 5
Mammal	5.7	5.7
Reptile	0	0
Bird	0	0
Crab	0	0

Stuarts Point 1, Cutting II

Table IV.34 Analytical Unit 1 – Adjusted for Different Excavation Areas

Taxon	L1S1 g	L1S2 g	L1S3 g	Analytical Unit 1
Mammal	88.79	73.3	12.4	174.48
Reptile	0.06	0.29	0.1	0.45
Bird	0	0.16	0.4	0.56
Crab	0	0	0	0

Table IV.35 Analytical Unit 2 – Adjusted for Different Excavation Areas

Taxon	L2S1 g	L2S2 g	L2S3 g	Analytical Unit 2
Mammal	13.18	16.08	19.17	48.43
Reptile	0	0.11	0	0.11
Bird	0	0	0	0
Crab	0.51	0	0	0.51

Table IV.36 Analytical Unit 3 – Adjusted for Different Excavation Areas

Taxon	L2S4 g	L2S5 g	Analytical Unit 3
Mammal	5.27	12.26	17.53
Reptile	0	0	0
Bird	0	0	0
Crab	0	0	0

Table IV.37 Analytical Unit 4

Taxon	L2S6 g	L2S7 g	L2S8 g	L2S9 g	L2S10 g	L2S11 g	L2S12 g	L2S13 g	Analytical Unit 4
Mammal	7.03	4.26	5.04	1.29	2.54	1.88	9.03	2.87	33.94
Reptile	0	0	0	0	0	0	0	0	0
Bird	0.88	0.18	0	0	0	0	0	0	1.06
Crab	0	0	0	0	0	0	0	0	0

APPENDIX V

Calculation of Estimated Live Size of

Sparidae and Platycephalidae

Represented in the Case-Study Sites

Stuarts Point Sparidae				Stuarts Point Platycephalidae			
Supraoccipital Width (mm)	Constant	Slope	Total Length (mm)	Dentary Symphysials Height (mm)	Constant	Slope	Total Length (mm)
Analytical Unit 1				Analytical Unit 1			
10.2	40.957	33.868	386.4106	7.6	167.6	55.224	587.3024
7.9	40.957	33.868	308.5142	9.3	167.6	55.224	681.1832
9.8	40.957	33.868	372.8634	6.1	167.6	55.224	504.4664
9.05	40.957	33.868	347.4624	6.5	167.6	55.224	526.556
12.4	40.957	33.868	460.9202	4.9	167.6	55.224	438.1976
9.8	40.957	33.868	372.8634	4.1	167.6	55.224	394.0184
7.8	40.957	33.868	305.1274	5.05	167.6	55.224	446.4812
7.8	40.957	33.868	305.1274	6.1	167.6	55.224	504.4664
7.2	40.957	33.868	284.8066	8.1	167.6	55.224	614.9144
9.1	40.957	33.868	349.1558	8.6	167.6	55.224	642.5264
7.7	40.957	33.868	301.7406	7.4	167.6	55.224	576.2576
6.7	40.957	33.868	267.8726	5.9	167.6	55.224	493.4216
5.9	40.957	33.868	240.7782	5.8	167.6	55.224	487.8992
6.7	40.957	33.868	267.8726	10.5	167.6	55.224	747.452
10.4	40.957	33.868	393.1842	10.75	167.6	55.224	761.258
11.8	40.957	33.868	440.5994	7.25	167.6	55.224	567.974
11.2	40.957	33.868	420.2786	7.3	167.6	55.224	570.7352
12.9	40.957	33.868	477.8542	7	167.6	55.224	554.168
8.8	40.957	33.868	338.9954	9.5	167.6	55.224	692.228
7.7	40.957	33.868	301.7406	11	167.6	55.224	775.064
8.4	40.957	33.868	325.4482	7.6	167.6	55.224	587.3024
6.5	40.957	33.868	261.099	7.5	167.6	55.224	581.78
7.8	40.957	33.868	305.1274	9.4	167.6	55.224	686.7056
6.9	40.957	33.868	274.6462	7.9	167.6	55.224	603.8696
6.75	40.957	33.868	269.566	5.3	167.6	55.224	460.2872
7	40.957	33.868	278.033	6	167.6	55.224	498.944
6.3	40.957	33.868	254.3254	8.3	167.6	55.224	625.9592
11.4	40.957	33.868	427.0522	6.1	167.6	55.224	504.4664
10.6	40.957	33.868	399.9578	4.9	167.6	55.224	438.1976
10.1	40.957	33.868	383.0238	5.3	167.6	55.224	460.2872
9.6	40.957	33.868	366.0898	5.1	167.6	55.224	449.2424
9.1	40.957	33.868	349.1558	6.5	167.6	55.224	526.556
9.2	40.957	33.868	352.5426	6.65	167.6	55.224	534.8396
9.7	40.957	33.868	369.4766	4.9	167.6	55.224	438.1976
10.9	40.957	33.868	410.1182	5.7	167.6	55.224	482.3768
7.5	40.957	33.868	294.967	6.6	167.6	55.224	532.0784
8.7	40.957	33.868	335.6086	6.7	167.6	55.224	537.6008
9.3	40.957	33.868	355.9294	3.1	167.6	55.224	338.7944
8.4	40.957	33.868	325.4482	3.8	167.6	55.224	377.4512
7.5	40.957	33.868	294.967	7.4	167.6	55.224	576.2576
Analytical Unit 2				7.6	167.6	55.224	587.3024
8.4	40.957	33.868	325.4482	5.1	167.6	55.224	449.2424
7.3	40.957	33.868	288.1934	5.3	167.6	55.224	460.2872
9.1	40.957	33.868	349.1558	7.4	167.6	55.224	576.2576
9.7	40.957	33.868	369.4766	4.7	167.6	55.224	427.1528
7.3	40.957	33.868	288.1934	10.4	167.6	55.224	741.9296
8.2	40.957	33.868	318.6746	9.2	167.6	55.224	675.6608
6.8	40.957	33.868	271.2594	12.3	167.6	55.224	846.8552
7.1	40.957	33.868	281.4198	7.2	167.6	55.224	565.2128

Stuarts Point Sparidae				Stuarts Point Platycephalidae			
Supraoccipital Width (mm)	Constant	Slope	Total Length (mm)	Dentary Symphysis Height (mm)	Constant	Slope	Total Length (mm)
8.5	40.957	33.868	328.835	9.1	167.6	55.224	670.1384
8.6	40.957	33.868	332.2218	3.6	167.6	55.224	366.4064
12.9	40.957	33.868	477.8542	5.4	167.6	55.224	465.8096
12.5	40.957	33.868	464.307	5.4	167.6	55.224	465.8096
10	40.957	33.868	379.637	5	167.6	55.224	443.72
13.7	40.957	33.868	504.9486	5.5	167.6	55.224	471.332
11.5	40.957	33.868	430.439	5.6	167.6	55.224	476.8544
7.6	40.957	33.868	298.3538	5	167.6	55.224	443.72
11.7	40.957	33.868	437.2126	6	167.6	55.224	498.944
11.7	40.957	33.868	437.2126	5.9	167.6	55.224	493.4216
10.6	40.957	33.868	399.9578	6.8	167.6	55.224	543.1232
11	40.957	33.868	413.505	4.1	167.6	55.224	394.0184
10.4	40.957	33.868	393.1842	4.7	167.6	55.224	427.1528
12.2	40.957	33.868	454.1466	5.9	167.6	55.224	493.4216
7.1	40.957	33.868	281.4198	Analytical Unit 2			
10.8	40.957	33.868	406.7314	11.1	167.6	55.224	780.5864
9.8	40.957	33.868	372.8634	4.3	167.6	55.224	405.0632
9.5	40.957	33.868	362.703	11.7	167.6	55.224	813.7208
7.1	40.957	33.868	281.4198	5.9	167.6	55.224	493.4216
9.1	40.957	33.868	349.1558	6	167.6	55.224	498.944
9.6	40.957	33.868	366.0898	6.1	167.6	55.224	504.4664
6.8	40.957	33.868	271.2594	6.1	167.6	55.224	504.4664
9.6	40.957	33.868	366.0898	5.9	167.6	55.224	493.4216
8.6	40.957	33.868	332.2218	6.9	167.6	55.224	548.6456
6.9	40.957	33.868	274.6462	6.1	167.6	55.224	504.4664
8.7	40.957	33.868	335.6086	7.7	167.6	55.224	592.8248
7.6	40.957	33.868	298.3538	6	167.6	55.224	498.944
9.7	40.957	33.868	369.4766	4.6	167.6	55.224	421.6304
7.9	40.957	33.868	308.5142	7.1	167.6	55.224	559.6904
7.4	40.957	33.868	291.5802	4	167.6	55.224	388.496
6.4	40.957	33.868	257.7122	6.9	167.6	55.224	548.6456
8	40.957	33.868	311.901	3.4	167.6	55.224	355.3616
5.9	40.957	33.868	240.7782	7.6	167.6	55.224	587.3024
5.1	40.957	33.868	213.6838	7.1	167.6	55.224	559.6904
9.8	40.957	33.868	372.8634	6.2	167.6	55.224	509.9888
12.5	40.957	33.868	464.307	7.6	167.6	55.224	587.3024
10.8	40.957	33.868	406.7314	6.9	167.6	55.224	548.6456
9.2	40.957	33.868	352.5426	6.9	167.6	55.224	548.6456
7.6	40.957	33.868	298.3538	8.9	167.6	55.224	659.0936
9.9	40.957	33.868	376.2502	7.1	167.6	55.224	559.6904
9.4	40.957	33.868	359.3162	8.6	167.6	55.224	642.5264
9.6	40.957	33.868	366.0898	4.4	167.6	55.224	410.5856
9.3	40.957	33.868	355.9294	8.3	167.6	55.224	625.9592
11.3	40.957	33.868	423.6654	8.4	167.6	55.224	631.4816
8.1	40.957	33.868	315.2878	6.7	167.6	55.224	537.6008
7.7	40.957	33.868	301.7406	4.5	167.6	55.224	416.108
7.1	40.957	33.868	281.4198	7.1	167.6	55.224	559.6904
7.1	40.957	33.868	281.4198	8.6	167.6	55.224	642.5264
6.4	40.957	33.868	257.7122	6.5	167.6	55.224	526.556
9	40.957	33.868	345.769	7.3	167.6	55.224	570.7352

Stuarts Point Sparidae				Stuarts Point Platycephalidae			
Supraoccipital Width (mm)	Constant	Slope	Total Length (mm)	Dentary Symphysis Height (mm)	Constant	Slope	Total Length (mm)
8	40.957	33.868	311.901	6.5	167.6	55.224	526.556
13.9	40.957	33.868	511.7222	3.3	167.6	55.224	349.8392
13	40.957	33.868	481.241	8.8	167.6	55.224	653.5712
9.9	40.957	33.868	376.2502	4.4	167.6	55.224	410.5856
6.8	40.957	33.868	271.2594	4.4	167.6	55.224	410.5856
8.5	40.957	33.868	328.835	6.5	167.6	55.224	526.556
6.9	40.957	33.868	274.6462	10	167.6	55.224	719.84
7.4	40.957	33.868	291.5802	10.5	167.6	55.224	747.452
7.7	40.957	33.868	301.7406	5.8	167.6	55.224	487.8992
12.2	40.957	33.868	454.1466	6.8	167.6	55.224	543.1232
11.3	40.957	33.868	423.6654	8.3	167.6	55.224	625.9592
8.1	40.957	33.868	315.2878	5.1	167.6	55.224	449.2424
5.9	40.957	33.868	240.7782	10.4	167.6	55.224	741.9296
4.8	40.957	33.868	203.5234	6.2	167.6	55.224	509.9888
Analytical Unit 3				5.3	167.6	55.224	460.2872
12.4	40.957	33.868	460.9202	5.4	167.6	55.224	465.8096
8.9	40.957	33.868	342.3822	6	167.6	55.224	498.944
9.9	40.957	33.868	376.2502	4.9	167.6	55.224	438.1976
8.1	40.957	33.868	315.2878	5.2	167.6	55.224	454.7648
7	40.957	33.868	278.033	6.3	167.6	55.224	515.5112
5.6	40.957	33.868	230.6178	7.5	167.6	55.224	581.78
8.3	40.957	33.868	322.0614	5.9	167.6	55.224	493.4216
6.3	40.957	33.868	254.3254	3.8	167.6	55.224	377.4512
6	40.957	33.868	244.165	7.8	167.6	55.224	598.3472
8.3	40.957	33.868	322.0614	5.4	167.6	55.224	465.8096
7.3	40.957	33.868	288.1934	5.7	167.6	55.224	482.3768
7.3	40.957	33.868	288.1934	12.1	167.6	55.224	835.8104
8.8	40.957	33.868	338.9954	6.5	167.6	55.224	526.556
8	40.957	33.868	311.901	4.8	167.6	55.224	432.6752
7.5	40.957	33.868	294.967	9.7	167.6	55.224	703.2728
Analytical Unit 4				9.7	167.6	55.224	703.2728
9.5	40.957	33.868	362.703	4.3	167.6	55.224	405.0632
9.2	40.957	33.868	352.5426	6	167.6	55.224	498.944
8.9	40.957	33.868	342.3822	4.5	167.6	55.224	416.108
9.9	40.957	33.868	376.2502	3.5	167.6	55.224	360.884
9.4	40.957	33.868	359.3162	7.2	167.6	55.224	565.2128
8.4	40.957	33.868	325.4482	6.2	167.6	55.224	509.9888
10	40.957	33.868	379.637	7.1	167.6	55.224	559.6904
8.8	40.957	33.868	338.9954	5.4	167.6	55.224	465.8096
7.4	40.957	33.868	291.5802	6	167.6	55.224	498.944
8.6	40.957	33.868	332.2218	10.5	167.6	55.224	747.452
11.8	40.957	33.868	440.5994	Analytical Unit 3			
10.1	40.957	33.868	383.0238	10.5	167.6	55.224	747.452
9.4	40.957	33.868	359.3162	6.9	167.6	55.224	548.6456
7.1	40.957	33.868	281.4198	4.9	167.6	55.224	438.1976
6.3	40.957	33.868	254.3254	5.2	167.6	55.224	454.7648
12.8	40.957	33.868	474.4674	7.4	167.6	55.224	576.2576
12.7	40.957	33.868	471.0806	5.7	167.6	55.224	482.3768
7.8	40.957	33.868	305.1274	6.6	167.6	55.224	532.0784
6.8	40.957	33.868	271.2594	5.6	167.6	55.224	476.8544

Stuarts Point Sparidae				Stuarts Point Platycephalidae			
Supraoccipital Width (mm)	Constant	Slope	Total Length (mm)	Dentary Symphysials Height (mm)	Constant	Slope	Total Length (mm)
9.9	40.957	33.868	376.2502	5.3	167.6	55.224	460.2872
11.9	40.957	33.868	443.9862	5.8	167.6	55.224	487.8992
9.6	40.957	33.868	366.0898	5.1	167.6	55.224	449.2424
				3.5	167.6	55.224	360.884
				6.5	167.6	55.224	526.556
				3.9	167.6	55.224	382.9736
				4.9	167.6	55.224	438.1976
				5	167.6	55.224	443.72
				9.4	167.6	55.224	686.7056
				5.4	167.6	55.224	465.8096
				4.8	167.6	55.224	432.6752
				6.1	167.6	55.224	504.4664
				8.1	167.6	55.224	614.9144
				4.9	167.6	55.224	438.1976
				9.6	167.6	55.224	697.7504
				4.3	167.6	55.224	405.0632
				5.4	167.6	55.224	465.8096
				6	167.6	55.224	498.944
				4	167.6	55.224	388.496
				4.9	167.6	55.224	438.1976
				4.6	167.6	55.224	421.6304
				8	167.6	55.224	609.392
				6.1	167.6	55.224	504.4664
				5.9	167.6	55.224	493.4216
				4.9	167.6	55.224	438.1976
				5.9	167.6	55.224	493.4216
				3.9	167.6	55.224	382.9736
				6.4	167.6	55.224	521.0336
				3.9	167.6	55.224	382.9736
				6.4	167.6	55.224	521.0336
				Analytical Unit 4			
				6	167.6	55.224	498.944
				5.4	167.6	55.224	465.8096
				4.3	167.6	55.224	405.0632
				6.4	167.6	55.224	521.0336
				4	167.6	55.224	388.496
				4.6	167.6	55.224	421.6304
				4.4	167.6	55.224	410.5856
				5.8	167.6	55.224	487.8992
				7.2	167.6	55.224	565.2128
				4.8	167.6	55.224	432.6752
				6.5	167.6	55.224	526.556
				4.7	167.6	55.224	427.1528
				6.5	167.6	55.224	526.556
				7.6	167.6	55.224	587.3024
				6	167.6	55.224	498.944
				4.7	167.6	55.224	427.1528
				6.8	167.6	55.224	543.1232
				3.5	167.6	55.224	360.884
				2.9	167.6	55.224	327.7496

Stuarts Point Sparidae				Stuarts Point Platycephalidae			
Supraoccipital Width (mm)	Constant	Slope	Total Length (mm)	Dentary Symphysis Height (mm)	Constant	Slope	Total Length (mm)
				6.4	167.6	55.224	521.0336
				4.1	167.6	55.224	394.0184
				4.6	167.6	55.224	421.6304
				6.1	167.6	55.224	504.4664
				5.8	167.6	55.224	487.8992

Clybucca Sparidae				Clybucca Platycephalidae			
Supraoccipital Width (mm)	Constant	Slope	Total Length (mm)	Dentary Symphysi s Height (mm)	Constant	Slope	Total Length (mm)
Analytical Unit 1				Analytical Unit 1			
7.4	40.957	33.868	291.5802	data	constant	slope	TL
11.2	40.957	33.868	420.2786	3.4	167.6	55.224	355.3616
10.8	40.957	33.868	406.7314	5.8	167.6	55.224	487.8992
5.7	40.957	33.868	234.0046	3.8	167.6	55.224	377.4512
11.1	40.957	33.868	416.8918	3.8	167.6	55.224	377.4512
10.6	40.957	33.868	399.9578	7.2	167.6	55.224	565.2128
7.5	40.957	33.868	294.967	5.7	167.6	55.224	482.3768
7.6	40.957	33.868	298.3538	5.5	167.6	55.224	471.332
7.7	40.957	33.868	301.7406	6.5	167.6	55.224	526.556
7.9	40.957	33.868	308.5142				
6.5	40.957	33.868	261.099				
Analytical Unit 2				Analytical Unit 2			
6	40.957	33.868	244.165	9.3	167.6	55.224	681.1832
8.5	40.957	33.868	328.835	11	167.6	55.224	775.064
6	40.957	33.868	244.165	4.9	167.6	55.224	438.1976
6	40.957	33.868	244.165	6.1	167.6	55.224	504.4664
7	40.957	33.868	278.033	5.6	167.6	55.224	476.8544
8.2	40.957	33.868	318.6746	3.4	167.6	55.224	355.3616
9.9	40.957	33.868	376.2502	4.8	167.6	55.224	432.6752
7.2	40.957	33.868	284.8066	3.9	167.6	55.224	382.9736
8.4	40.957	33.868	325.4482	4.4	167.6	55.224	410.5856
9.8	40.957	33.868	372.8634	4.6	167.6	55.224	421.6304
8.5	40.957	33.868	328.835	7.9	167.6	55.224	603.8696
10.7	40.957	33.868	403.3446	6.2	167.6	55.224	509.9888
7.8	40.957	33.868	305.1274	6.1	167.6	55.224	504.4664
7.7	40.957	33.868	301.7406	3.3	167.6	55.224	349.8392
6.8	40.957	33.868	271.2594	3.3	167.6	55.224	349.8392
5.3	40.957	33.868	220.4574	6.4	167.6	55.224	521.0336
7.4	40.957	33.868	291.5802	3.3	167.6	55.224	349.8392
5.6	40.957	33.868	230.6178	3.2	167.6	55.224	344.3168
3.5	40.957	33.868	159.495	6.4	167.6	55.224	521.0336
4.8	40.957	33.868	203.5234	5	167.6	55.224	443.72
6.1	40.957	33.868	247.5518	5.4	167.6	55.224	465.8096
11.5	40.957	33.868	430.439	7	167.6	55.224	554.168
8.4	40.957	33.868	325.4482	6.6	167.6	55.224	532.0784
8.1	40.957	33.868	315.2878	4.4	167.6	55.224	410.5856
10.8	40.957	33.868	406.7314	7.6	167.6	55.224	587.3024
8.4	40.957	33.868	325.4482	5.1	167.6	55.224	449.2424
8	40.957	33.868	311.901	7.1	167.6	55.224	559.6904
7.4	40.957	33.868	291.5802	7.2	167.6	55.224	565.2128
7.1	40.957	33.868	281.4198	6.8	167.6	55.224	543.1232
6.7	40.957	33.868	267.8726	5.6	167.6	55.224	476.8544
9.3	40.957	33.868	355.9294	5.9	167.6	55.224	493.4216
9.6	40.957	33.868	366.0898	7.4	167.6	55.224	576.2576
10.3	40.957	33.868	389.7974	5.6	167.6	55.224	476.8544
7.8	40.957	33.868	305.1274	5.9	167.6	55.224	493.4216
8.4	40.957	33.868	325.4482	5	167.6	55.224	443.72
11.6	40.957	33.868	433.8258	5.2	167.6	55.224	454.7648
7.1	40.957	33.868	281.4198	3.3	167.6	55.224	349.8392

Clybucca Sparidae				Clybucca Platycephalidae			
Supraoccipital Width mm	Constant	Slope	Total Length (mm)	Dentary Symphysi s Height mm	Constant	Slope	Total Length (mm)
10.5	40.957	33.868	396.571	3.6	167.6	55.224	366.4064
7.9	40.957	33.868	308.5142	6.6	167.6	55.224	532.0784
7.6	40.957	33.868	298.3538	7.3	167.6	55.224	570.7352
10.5	40.957	33.868	396.571	6.2	167.6	55.224	509.9888
9.1	40.957	33.868	349.1558	6.6	167.6	55.224	532.0784
11.5	40.957	33.868	430.439	4.2	167.6	55.224	399.5408
10.4	40.957	33.868	393.1842	6	167.6	55.224	498.944
7.7	40.957	33.868	301.7406	4.2	167.6	55.224	399.5408
7.7	40.957	33.868	301.7406	5.7	167.6	55.224	482.3768
				5.8	167.6	55.224	487.8992
				2.7	167.6	55.224	316.7048
				5.2	167.6	55.224	454.7648
Analytical Unit 3							
6.4	40.957	33.868	257.7122				
5.6	40.957	33.868	230.6178				
7.4	40.957	33.868	291.5802				

APPENDIX VI

CD Data Base

Faunal Assemblages Recovered from

Clybucca 3

And

Stuarts Point 1