

APPENDIX 1

**SUMMARY OF BSAP PROJECT BUDGET
ENDING DECEMBER, 1999.**

<u>DESCRIPTION OF ITEM</u>	<u>TOTAL</u>	<u>1998</u>	<u>1999</u>	<u>2000</u>
	US\$159,820		105,575	54,245
Non-expendable (Clearing House)	5,000		3,350	1,650
Production of BSAP Report	-		-	-
Production of Report to COP	5,000		-	5,000
Sundries	2,000		2,000	-
Steering Committee	4,000		2,650	1,350
Planning Team	1,500		1,000	500
Translation of Documents	2,500		1,650	850
Promotion/Public Awareness	8,000		5,350	2,650
	5,000		3,350	1,650
Direct Costs (not for OPS)	5,970		3,748	2,222
Net Amount	38,970		23,098	15,872
Total	38,970		23,098	15,872
BUDGET TOTAL: Net Amount	198,790		129,673	70,117
W/M	66.00		42.00	24.00

APPENDIX 2.

BSAP Steering Commiitee members

<u>Names</u>	<u>Occupation</u>	<u>Address</u>
Temakei Tebano	Manager, Atoll Research	Atoll Research, USP, Teaoaraereke.
Ribanataake Awira	Fisheries Officer	Fisheries Division, Tanaea
Kaitu Koina	Agricultural Officer	Agriculture Divisio, Tanaea
Eita Metai	Chief Water Engineer	PWD, Betio
Berea Takaria	Ass. Rural Dev. Officer	Home Affairs, Bairiki
Kentaro Ono	Chairman, Chamber of Com.	Betio
Aren Teannaki	Social Development Officer	Env. And Social Devel., Bikenibeu
Tion Nabau	Lawyer	Attorney General Chambers, Bairiki
Teem Uriam	Tourism Officer	Comm. Indust. and Labour, Betio
Danfung Ng Kamho	Envir. Educ. Officer. FSP	Abarao
Selai Cati	Women Federation Rep.	Bikenibeu
Tebutonga Ereata	Lands and Survey	Lands and Survey Office, Bairiki
Tererei Reema	Environment Co-ordinator	Environment Unit, Bikenibeu
Amara Mwakaea	Project Co-ordinator	Environment Unit, Bikenibeu
Tiibwa Tooki	Assistant Secretary	Linnix Office, Bairiki
Ruta Tiriata	Economist	Planning Division, MFEP, Bairiki
Berenato Timon	Curriculum Dev. Writer	CDU, Bikenibeu
Bwere Eritaia	Conserv. Support Officer	Environment Unit, Bikenibeu

BSAP Planning Team members

Temakei Tebano	Manager, Atoll Research	Atoll Research, USP, Teaoaraereke.
Ribanataake Awira	Fisheries Officer	Fisheries Division, Tanaea
Kaitu Koina	Agricultural Officer	Agriculture Divisio, Tanaea
Eita Metai	Chief Water Engineer	PWD, Betio
Berea Takaria	Ass. Rural Dev. Officer	Home Affairs, Bairiki
Tion Nabau	Lawyer	Attorney General Chambers, Bairiki
Tererei Reema	Environment Co-ordinator	Environment Unit, Bikenibeu
Amara Mwakaea	Project Co-ordinator	Environment Unit, Bikenibeu
Bwere Eritaia	Conserv. Support Officer	Environment Unit, Bikenibeu

BSAP Officers (and part-time)

Environment Co-Ordinator:	Mrs Tererei (Abeta) Reema
BSAP Project Coordinator:	Mr. Amara Makaea
BSAP Assistant Officer	Kautoa Tonganibeia
International Consultant:	Mr. Temakei Tebano
National Consultant	Mr. Ribanataake Awira
National Consultant	Mr. Kaitu Koina

APPENDIX 3

Kiribati Plant Names (Rare, Endangered and Extinct) (see main text for description details).

<u>Kiribati Name</u>	<u>Common name</u>	<u>Scientific name</u>
<u>Gymnosperms</u>		
<u>Breadfruit varieties</u>		
Bokeke		
Bukiraro		
Mai rekereke	Jackfruit	<i>Artocarpus heterophyllus</i>
Maitarika/Maikeang	Breadfruit tree	<i>Artocarpus moriannensis</i>
Motiniwae	Breadfruit tree	<i>Artocarpus altilis</i>
<u>Others</u>		
Aronga	Acalypha tree	<i>Acalypha wilkensisiana</i>
Bere (nambere)	Hibiscus spinach	<i>Hibiscus manihot</i>
Bero	Fig tree	<i>Ficus tinctoria</i>
Buka	Pisonia	<i>Pisonia grandis</i>
Tiaaea	Chaya	-
Kaitioka	Sugarcane	<i>Saccharum officinarum</i>
Biku	Common fig	<i>Ficus caria</i>

Checklist of all Pandanus varieties in local names. Kaitu Koina's list appears on the left column. Ray Town's list appears on the right column. Where the names probably mean a single variety they appear in brackets on both lists.

Pandanus varieties

<u>Kaitu Koina List (1999/2000)</u>	<u>Ray Town List (1960s)</u>
Aaenaewati	Ara-irua
Anabwanaba (Arabanaba)	Ara-oninge
Anibwanakoi	Arauakitonga
Anikairinano	Arauarea
Anikaunauna	Araumauma (Araumwaumwa)
Anikatouea	Araumakai ((Irimakae)
Anikouri	Aauranea
Animamanang (Aramaerennang)	Aaurabono
Aniwaentang (Ararawaentang)	Aauriamaere (Aauriamwaere)
Annabai	Aauriaria (Aauriaria)
Antabwearake (Arataberakea)	Aauruaki
Antibitia (Arabitia)	Aautaono
Antinakarewe	Aautongau (Utongau)

Arabaikarawa	Aramaerennang (Animamanang)
Arabaikiaro (Arabaikiaro)	Aramaii (Irimaii)
Arabwaotin (Arabaotin)	Aramaiaki (Aramaiaki)
Arabuota	Aramaoia (Aramaoia)
Arabukitabaa (Arabukitaba)	Aramaibinben (Aramaibinben)
Arakaakiaia (Arakakaia)	Aramaonimaai (Araonimaai)
Arakauki (Arakauki)	Aramanikewe
Aramaibinben (Aramaibinben)	Aramaoruru (Irimaoruru)
Aramaiaki (Aramaiaki or Arawaiki)	Aramangau
Aramaoia (Aramaoia)0	Aramakuanrara
Aramaon	Aramarata
Aramaru (Aramaru)	Aramarena (Iritabwena)
Aramatakoi	Aramarieta (Aramwaieta)
Aramatang (Aramatang)	Aramaru (Aramaru)
Aramboia (Aramboia)	Aramatang (Aramatang)
Aramwaieta (Aramarieta)	Aramonamona
Aramwenga	Aramumun
Arangauea	Aramboia (Aramboia)
Arantebwe (Arantebwe)	Aranau
Araonimaai (Aramaonimaai)	Aranakarara
Ararikitoo	Aranonotoa (Irionotoa)
Arataborio	Aranorauea
Arataitara (Arataitara)	Arantebwe (Arantebwe)
Aratamaroanimwakin (Arabobanimakin)	Aranaonio
Aratebwai	Aranaua
Aratokotoko (Aratokotoko)	Arangaba
Aratekura (Aratekura)	Arangareimoa
Aratemam (Aratemam)	Arabaikarawa (Te tinabaikarawa)
Aratenneia (Aratenneia)	Arabaikawa
Aratewae	Arabaikiaro (Arabaikiaro)
Araumwaumwa (Araumauma)	Arabaotin (Arabaotin)
Aauriaria (Aauriaria)	Arabauntai
Aauriamwaere (Aauriamaere)	Arabanaba (Anabwanaba)
Arawaentongo (Arawaentongo)	Arabaniqueang (Irikeang)
Awaneari	Arabakea
Bakororo	Arabaraki
Buniantonga	Arabarara
Iriatabo (Arataboatabo)	Arabareaka
Iribabonnang (Arababonnang)	Arabino
Iribawanabwana	Arabikeruru
Iribionga	Arabiketibu
Iribobutae	Arabitia (Antibitia)
Iribuangui	Araboinabanaba
Iribubura (Arabubura, Aratebubura)	Arabouru
Iriburerua	Arababonnang (Iribabonnang)

Irikabwea	Arabobanimakin (Aratamaroanmwakin)
Irikaiwete (Arakaiwete)	Arabotarika
Irikouri	Arabuantienti
Irikanoabouana	Arabuatoro
Irikeang (Arabanikeang, Arakeang, Aracang)	Arabuaa
Irikiko	Arabubura (Iribubura)
Irikiri	Arabukirababa
Irikuama	Arabukitaba (Arabukitabaa)
Irimaii (Aramaii or Aratemaii)	Arabureka
Irimangkoriri	Arabutanongana
Irimakae (Araumakai)	Arabuti
Irimanriki	Arakaiwete (Irikaiwete)
Irimaoruru (Aramaoruru)	Arakainikatonga
Irimwakiro	Arakauki (Arakauki)
Irineiaro	Arakanewe
Irionotoa (Araonotoa)	Arakangkang
Iritabuaeroa	Arakakaia (Arakaakaia)
Iritabwena (Aramarena)	Arakakaraki
Iritabuki (Arakatangkun
Iritai	Arakaterna
Iritawatawa (Aratawatawa)	Arakateke (Irikateke)
Iritebuu	Arakateketeke
Iritokouea	Arakatokinano
Iriuraura	Arakawakawa
Iriuatabo	Arakeang (Irikeang)
Iroro	Arakieura
Ntinatina	Arakimangu
Te tina (Aratina)	Arakuarawete
Te tinabaikarawa (Arabaikarawa)	Ararainimane
Utongau (Arautongau)	Ararake
Uruutongau	Arataberakea (Antabwearake)
	Ararawaetang (Aniwaentang)
	Ararei
	Aranikua
	Arataoroba
	Aratauanro
	Aratamaroanimakin (Aratamaroanmwakin)
	Arataboatabo (Iriatabo)
	Aratabokarawa
	Arataboria
	Aratabo (Iriatabo)
	Aratawatawa (Iritawatawa)
	Arataitara (Arataitara)
	Arateang (Irikeang, Arakeang)

	Aratota
	Aratebubura (Iribubura)
	Arauriamwaere (Arauriamwaere)
	Arateitibong
	Arateuti
	Aratemaii (Irimaii, Aramaii)
	Aratemam (Aratemam)
	Aratemane
	Aratenao
	Aratenneia (Aratenneia)
	Aratengaongao
	Aratengea
	Arateberu
	Aratekauake
	Aratekena
	Aratekukunei
	Aratekura (Aratekura)
	Araterube
	Aratebeau
	Aratewaeana
	Aratina (Te tina)
	Aratike
	Aratonaro
	Aratongarua
	Aratoka
	Aratokotoko (Aratokotoko)
	Arawaentongo (Arawaentongo)
	Arawaibwebwe
	Arawaiki (Arawaiki)

Corals of Kiribati:

Checklist on corals of Kiribati identified by E. Lovell assisted by the MRAM team. Coral samples were taken from Abaiang and Tarawa during the Survey conducted on 3rd-20th December 1999 (provided by Ribanataake Awira).

Family	Genus	Species	Location
Acroporidae			
1. Acroporidae	Acropora	Paniculata	Lagoon, Abaiang
2. Acroporidae	Acropora	Ranc	NW reef, Abaiang
3. Acroporidae	Acropora	Tartusoa	NW reef, Abaiang
4. Acroporidae	Acropora	Cf. Cytherea	NW reef, Abaiang
5. Acroporidae	Acropora	Secale	North reef, Abaiang
6. Acroporidae	Acropora	Valida	North reef, Abaiang

7. Acroporidae	Acropora	Tenius	NW reef. Abaiang
8. Acroporidae	Acropora	Anthoceras	SE reef. Abaiang
9. Acroporidae	Acropora	Humilis	South reef. Abaiang
10. Acroporidae	Acropora	Muricata	SE seaward Abaiang
11. Acroporidae	Acropora	Muricata	Centrral west Lagoon TRW
12. Acroporidae	Acropora	Intermedia	Centrral west Lagoon TRW
13. Acroporidae	Acropora	Grandis	Centrral west Lagoon TRW
14. Acroporidae	Acropora	Clathrata	Centrral west Lagoon TRW
15. Acroporidae	Acropora	Cytherea	Centrral west Lagoon TRW
16. Acroporidae	Acropora	Cf. Microphthakma	Centrral west Lagoon TRW
17. Acroporidae	Acropora	Cf. Spicifera	Centrral west Lagoon TRW
18. Acroporidae	Acropora	Selapo	Centrral west Lagoon TRW
19. Acroporidae	Acropora	Spp.	Ambo seaward rf. Abaiang
20. Acroporidae	Acropora	Gemmifera	Cetral west lagoon TRW
21. Acroporidae	Astreopora	Myriophthalma	Cetral west lagoon TRW
22. Acroporidae	Astreopora	Myriophthalma	SE seaward reef. Abaiang
23. Acroporidae	Montipora	Cf. Grisea	Lagoon Abaiang
24. Acroporidae	Montipora	Cf. Verrucosa	Lagoon Abaiang
25. Acroporidae	Montipora	Cf. Efflorescens	NW reef. Abaiang
26. Acroporidae	Montipora	Venosa	North reef. Lagoon Abaiang
27. Acroporidae	Montipora	Hoffmeister	Lagoon Abaiang
28. Acroporidae	Montipora	Cf. Intrumi	SE seaward reef, Abaiang
29. Acroporidae	Montipora	Monasteriata	SE seaward reef, Abaiang
Agariciidae			
30. Agariciidae	Pavona	Varians	NW reef. Abaiang
31. Agariciidae	Pavona	Darus	North reef. Tarawa
32. Agariciidae	Pavona	Minuata	North reef. Abaiang
33. Agariciidae	Pavona	Maldiverises	NW reef. Abaiang
34. Agariciidae	Pachyseris	Speciosa	NW reef. Abaiang
35. Agariciidae	Gardineroseris	Planuata	NW reef. Abaiang
Poritidae			
36. Poritidae	Porites	Rus	Bikenibeu, Tarawa
37. Poritidae	Porites	Spp.	Norht west reef. Abaiang
38. Poritidae	Porites	Cylindrica	Ambo seaward, Tarawa
39. Poritidae	Goniopora	Spp.	North reef, Tarawa
Milleporidae			
40. Milleporidae	Millepora	Cf. Platyphylla	Lagoon Abaiang
41. Milleporidae	Millepora	spp	Nei Tebwa, Tarawa
Fungiidae			
42. Fungiidae	Fungia	Fungites	North reef, Tarawa
43. Fungiidae	Fungia	Repanda	Bikenibeu
44. Fungiidae	Fungia	Repanda	South seaward, Abaiang
45. Fungiidae	Fungia	Scutaria	South seaward, Abaiang
46. Fungiidae	Fungia	Scutaria	Central west lagoon, TRW
47. Fungiidae	Fungia	Concinna	North reef, Tarawa

48. Fungiidae	Fungia	Valida	North reef, Abaiang
49. Fungiidae	Fungia	Cf. Granulosa	Lagoon, Abaiang
50. Fungiidae	Halomitra	Spp	Nei Tebwa, Abaiang
51. Fungiidae	Herpolitha	Limax	North reef, Tarawa
52. Fungiidae	Sandalolitha	Robusta	NW reef, Abaiang
53. Fungiidae	Cycloserly	Costulata	Lagoon, Abaiang
Menulinidae			
54. Menulinidae	Merulina	Ampliata	NW reef, Abaiang
Pocilloporidae			
55. Pocilloporidae	Pocillopora	Verracosa	North reef, TRW
56. Pocilloporidae	Pocillopora	Damicornis	North reef, TRW
57. Pocilloporidae	Pocillopora	Damicornis	Central west lagoon, TRW
58. Pocilloporidae	Stylopora	Pistillata	North reef, TRW
59. Pocilloporidae	Seriatopora	Histris	North reef, Abaiang
Dendrophyllidae			
60. Dendrophyllidae	Turbinaria	Cf. reinformis	North reef, TRW
61. Dendrophyllidae	Turbinaria	Cf. reinformis	SE seaward reef, Abaiang
Faviidae			
62. Faviidae	Favia	Stelligera	NW reef, Abaiang
63. Faviidae	Favia	Matthai	North reef, Abaiang
64. Faviidae	Favites	Russelli	NW reef, Abaiang
65. Faviidae	Goniastrea	Reniformo	Lagoon Abaiang
66. Faviidae	Goniastrea	Retiformis	North reef, Abaiang
67. Faviidae	Goniastrea	Paspera	Ambo seaward, Tarawa
68. Faviidae	Hydnophora	Rigida	NW reef, Abaiang
69. Faviidae	Hydnophora	Microconos	Lagoon, Abaiang
70. Faviidae	Conicstrea	Cf. Favulus	South of seaward Abaiang
71. Faviidae	Cypiracthea	Microphthalma	South of seaward, Abaiang
72. Faviidae	Cyphastrea	Serailia	Lagoon Abaiang
73. Faviidae	Leptastrea	Cf. Bewickensis	North reef, Abaiang
74. Faviidae	Leptastrea	Purpurea	South of seaward Abaiang
75. Faviidae	Leptastrea	Pruinosa	South of seaward Abaiang
76. Faviidae	Leptoria	Phyrgia	NW reef, Abaiang
77. Faviidae	Montastrea	Surta	NW reef, Abaiang
78. Faviidae	Oulophyllia	Crispa	Fisheries Division, TRW
79. Faviidae	Platygyra	Daedalea	NW reef, Abaiang
Mussidae			
80. Mussidae	Lobophyllia	Corymbosa	Central west lagoon Tarawa
81. Mussidae	Lobophyllia	Hemprichi	SE seaward reef, Tarawa
Pectiniidae			
82. Pectiniidae	Mycedium	Dlephantotus	Ambo seaward, Tarawa

Fin-fishes species of Kiribati:

Family	Genera	Species	Common Name
Acanthuridae	<i>Acanthurus</i>	<i>dussumieri</i>	Evestripe Surgeonfish
	<i>Acanthurus</i>	<i>guttatus</i>	Whitespotted Surgeonfish
	<i>Acanthurus</i>	<i>leurocheicus</i>	Palelipped Surgeonfish
	<i>Acanthurus</i>	<i>maculiceps</i>	White Freckled Surgeonfish
	<i>Acanthurus</i>	<i>nigricauda</i>	Epaniette Surgeonfish
	<i>Acanthurus</i>	<i>triostegus</i>	Convict Surgeonfish
	<i>Acanthurus</i>	<i>xanthoterus</i>	Yellowfin Surgeonfish
	<i>Ctenochaetus</i>	<i>binotatus</i>	Twospot surgeonfish
	<i>Ctenochaetus</i>	<i>hawaiiensis</i>	Black surgeonfish
	<i>Ctenochaetus</i>	<i>marginatus</i>	Striped fin surgeon fish
	<i>Ctenochaetus</i>	<i>strigosus</i>	Spotted Surgeonfish
	<i>Naso</i>	<i>tuberosus</i>	Humpnose Unicornfish
	<i>Naso</i>	<i>viamingii</i>	Bignose Unicornfish
	<i>Zebrosoma</i>	<i>rostratum</i>	Longnose Unicornfish
		<i>Paracanthurus</i>	<i>hepatus</i>
Alopiidae	<i>Alopias</i>	<i>vulpinus</i>	Thresher shark
	<i>Antennaatus</i>	<i>coccinens</i>	Scarlet Frogfish
Antennariidae	<i>Antennaatus</i>	<i>tuberosus</i>	Tuberculated Frogfish
	<i>Antennarius</i>	<i>dorensis</i>	New Guinean Frogfish
Apogonidae	<i>Apogon</i>	<i>amustatus</i>	Striped Cardinalfish
	<i>Apogon</i>	<i>exestigma</i>	Narrowstripe Cardinalfish
	<i>Apogon</i>	<i>fraenatus</i>	Bridled Cardinal fish.
	<i>Apogon</i>	<i>fuscus</i>	Samoan Cardinalfish
	<i>Apogon</i>	<i>kallopterus</i>	Iridescent Cardinal fish.
	<i>Apogon</i>	<i>novemfasciatus</i>	Sevenstriped Cardinalfish
	<i>Apogon</i>	<i>taeniophorus</i>	Reef-flat Cardinalfish
	<i>Apogon</i>	<i>taeniopterus</i>	Bandfin Cardinalfish
	<i>Cheilodipterus</i>	<i>quinguelincatus</i>	Fivelined Cardinalfish
	<i>Fowleria</i>	<i>marmorata</i>	Marbled Cardinalfish
	<i>Pseudamiag</i>	<i>gelatinosa</i>	Gelatinous Cardinalfish
	<i>Sphaeramia</i>	<i>orbicularis</i>	Orbiculate Cardinalfish
	<i>Liopropoma</i>	<i>pallidum</i>	Pallid basslet
	<i>Liopropoma</i>	<i>pallidum</i>	Meteer Perch
	<i>Luzonichthys</i>	<i>whitley</i>	
	<i>Plectropomus</i>	<i>areolatus</i>	Squartail coralgroupier
	<i>Plectranthisas</i>	<i>nanus</i>	
	<i>Plectranthisas</i>	<i>taylori</i>	
	<i>Pseudanthias</i>	<i>bartlettiorum</i>	Bartlett's anthias
	<i>Pseudanthias</i>	<i>bieolor</i>	Bicolor anthias
<i>Pseudanthias</i>	<i>cooperi</i>	Red-bar anthias	
<i>Pseudanthias</i>	<i>dispar</i>	Peach fairy basslet	
<i>Variola</i>	<i>louti</i>	Yellow-edged tyretail	
Blennidae	<i>Xiphas</i>	<i>gladius</i>	Swordfish
	<i>Rhabdoblennius</i>	<i>snowi</i>	
	<i>Essenius</i>	<i>bicolor</i>	Bicolor blenny
	<i>Escenius</i>	<i>medas</i>	Persian blenny
	<i>Escenius</i>	<i>posifrontalis</i>	Comical blenny
	<i>Aspidontus</i>	<i>taeruatatus taeniatus</i>	False cleanerfish
	<i>Blenniella</i>	<i>caudolineata</i>	
<i>Blenniella</i>	<i>gibbifrons</i>	Humpheaded blenny	

	<i>Bienniella paucis</i>	
	<i>Cirripectes auritus</i>	Blackflap blenny
	<i>Cirripectes fuscognitatus</i>	Spotted blenny
	<i>Cirripectes jewnigi</i>	
	<i>Cirripectes perustus</i>	Flaming blenny
	<i>Cirripectes polyzona</i>	
	<i>Cirripectes quagga</i>	
	<i>Cirripectes variolosus</i>	
	<i>Entomacrotus candofasciantus</i>	
	<i>Entomacrotus cymatobiotus</i>	
	<i>Entomacrotus sealei</i>	Seales rockskipper
	<i>Entomacrotus striatus</i>	Reef margin blenny
	<i>Entomacrotus thalassinus</i>	
	<i>Istiblennius erientulus</i>	Rippled rockskipper
	<i>Istiblennius imeatus</i>	Lined rockskipper
	<i>Meiacanthus atrodocus</i>	Focktail blenny
	<i>Ouobranchius rotundiceps obliques</i>	
	<i>Petroscirtes mitratus</i>	Floral blenny
	<i>Petroscirtes xestus</i>	Xestus sabretooth blenny
	<i>Plagietremus laudandus</i>	Bicolour fangblenny
	<i>Plagietromus rhinorhynchus</i>	Bluestripped fangblenny
	<i>Plagietromus tapeinosoma</i>	Piano tangblenny
Balistidae	<i>Abalistes stellaris</i>	Starry triggerfish
	<i>Balistapus undulatus</i>	Orange-lined triggerfish
	<i>Balistoides conspicillum</i>	Clown triggerfish
	<i>Balistoides viridescens</i>	Titan triggerfish
Bothidae	<i>Arglossus debilis</i>	Weak left eye flounder
Caesionidae	<i>Caesio caerulea</i>	Blue and gold fusilier
	<i>Caesio teres</i>	Yellow and blueback fusilier
	<i>Pterocaesion marri</i>	Marrs fusilier
	<i>Pterocaesion pisang</i>	Banana fusilier
	<i>Pterocaesion tile</i>	Dark-banded fusilier
	<i>Pterocaesion trilineata</i>	Three-stripe fusilier
Caracanthidae	<i>Caracanthus maenlatus</i>	Spotted coral croucher
Carangidae	<i>Carangoides fordau</i>	
	<i>Carangoides hedlandensis</i>	
	<i>Carangoides orthogrammus</i>	
	<i>Carangoides plagiotaenia</i>	
	<i>Casax ignobitis</i>	Giant trevally
	<i>Casax melampygus</i>	Bluefin trevally
	<i>Casax sexfasciatus</i>	Bigeye trevally
	<i>Naucrates ductors</i>	Bilofish
	<i>Decapledrus maerosoma</i>	Shortfin scad
	<i>Decapledrus talol</i>	Roughear scad
	<i>Elagatis bipinnulata</i>	Rainbow runner
	<i>Selar boops</i>	Oxeve scad
	<i>Seriola dumerili</i>	Greater amberjack
	<i>Seiola rivoliana</i>	Almaco jack
	<i>Uraspis helvola</i>	Whitemouth jack
	<i>Atule mate</i>	
	<i>Caranx ignob</i>	
Chaetodontidae	<i>Chaetodon dedius</i>	Marquesas butterfly

	<i>Chaetodon kleinii</i>	Sunbrust butterfly
	<i>Chaetodon quadrimaculatus</i>	Fourspot butterfly
	<i>Chaetodon vagabundus</i>	Vagabond butterfly
	<i>Chaetodon meyeri</i>	Scrawled butterfly
	<i>Chaetodon</i>	Spotband butterfly
	<i>Hemiochus manoceros</i>	Masked bannerfish
	<i>Hemiochus thompsoni</i>	Horned bannerfish
	<i>Hemitaurichthys thompsoni</i>	Thompsons butterfly
Carcharhinidae	<i>Galeocerdo cuvier</i>	Tiger shark
	<i>Prionace glauca</i>	Blue shark
Chariidae	<i>Chanos chanos</i>	Milkfish
	<i>Herklotsichthys quadrimaculatus</i>	Bluestripe herring
Cirrihitidae	<i>Cirrihitus pinnulatus</i>	Stocky hawkfish
	<i>Paracirrhites arcatus</i>	Arc-eye hawkfish
	<i>Paracirrhites forsteri</i>	Blackside hawkfish
	<i>Paracirrhites henistietus</i>	Whitespot hawkfish
	<i>Neocirrhites armatus</i>	Flame hawkfish
clupeidae	<i>Spratelloides delicatulus</i>	Delicate round herring
	<i>Spratelloides gracilis</i>	Silverstripped round herring
coryphaenidae	<i>Coryphaena equiselis</i>	Panpano dolphinfish
	<i>Coryphaena hippurus</i>	Common dolphinfish
Carangidae	<i>Scomberoides lysan</i>	Doublespotted queenfish
	<i>Trachinotus bailleni</i>	Smallspotted darft
	<i>Trachinotus blochii</i>	Sunbnose pompano
Congridae	<i>Heteroconfer hassi</i>	Spotted garden eel
Carchanthidae	<i>Carchahinus albimarginatus</i>	Silvertip shark
	<i>Carchahinus alblvrhynchos</i>	Grey reef-shark
	<i>Carchahinus falciformis</i>	Silky shark
	<i>Carchahinus melanopterus</i>	Blacktip reef shark
Ephippidae	<i>Drepane punctata</i>	Spotted sicklefish
Engraulidae	<i>Enerasicholia punctifer</i>	Buccaneer achovy
Gempylidae	<i>Diplospinus multistriatus</i>	Striped escolar
	<i>Gempylus serpens</i>	Snake mackerel
	<i>Lepidocybium flavobrunneum</i>	Escolar
	<i>Nealotus tripes</i>	Blacksnake mackerel
	<i>Promethichthys promethens</i>	Rondi escolar
Gerreidae	<i>Gerres ovena</i>	Common silver-biddy
Gobiidae	<i>Asterropteryx scnipunctatus</i>	Starry glyv
	<i>Eviota cometa</i>	Comet pygmy goby
	<i>Eviota fasciola</i>	Barred pygmy goby
	<i>Eviota infulata</i>	Infulata pygmy goby
	<i>Eviota pellucida</i>	Pellucida pygmy goby
	<i>Istigobius rigilius</i>	Riligius goby
	<i>Macrodontogobius wilburi</i>	Largeetooth goby
	<i>Paragobiodon lacurucolus</i>	Blackfin coral goby
	<i>Valenciennesa parua</i>	
	<i>Valenciennesa sexguttata</i>	Sixspot goby
	<i>Valenciennesa strigata</i>	Blueband goby
Gobiesocidae	<i>Lepadichthys minor</i>	Minor chugfish
Gramuictidae	<i>Plesiops coralicola</i>	Bluegill longfish
Gramuistidae	<i>Pogonoperca punctata</i>	
Hemiramphidae	<i>Hyporhamphus acutus acutus</i>	Pacific halfbeak
Hemigaleidae	<i>Friaenodon obesus</i>	Whitetip reef shark

Haemulidae	<i>Scolopsis lineatus</i>	Striped monock bream
Holocentridae	<i>Sargecentron candionaculatum</i>	Silverspot squirrelfish
	<i>Sargecentron violaceum</i>	Violet squirrelfish
	<i>Sargecentron microstoma</i>	Smallmouth squirrelfish
	<i>Sargecentron tiereoides</i>	Pink squirrelfish
Holocentridae	<i>Myripristis adusta</i>	Shawdowfin soldierfish
	<i>Myripristis amaena</i>	Brick soldierfish
	<i>Myripristis bembdi</i>	Blotcheye soldierfish
	<i>Myripristis kuntee</i>	Pearly soldierfish
	<i>Myripristis murdjan</i>	Pinecone soldierfish
	<i>Myripristis pralinia</i>	Scarlet soldierfish
	<i>Myripristis violacea</i>	Lattice soldierfish
	<i>Myripristis woodsi</i>	Whiterspot soldierfish
Istiophoridae	<i>Istiophorus platypterus</i>	Indo-pacific sailfish
	<i>Tetrapturus andax</i>	Striped marlin
	<i>Makaira indica</i>	Black marlin
	<i>Wetmorella nigropinnata</i>	Sharpnose wrasse
	<i>Anampses caenileopuntatus</i>	Bluespotted wrase
	<i>Anampses melanurus</i>	White-spotted wrasse
	<i>Bodianus anthiodes</i>	Llyretail hogfish
	<i>Bodianus axillaris</i>	Anilspot hogfish
	<i>Bodianus loxozonus</i>	Blackfun hogfish
	<i>Bodianus prognathus</i>	
	<i>Cheilinus trilobatus</i>	Tripletail wrasse
	<i>Cheilinus undulatus</i>	Humphead wrasse
	<i>Chlorurus sordidus</i>	Diasy parrotfish
Kuliidae	<i>Kuhlia marginata</i>	Dark margined flagtail
Kyphosidae	<i>Kysphous anerascens</i>	Blue sea club
Lethrinidae	<i>Gymnocranius grandoculis</i>	Blue-lined large-eye bream
	<i>Enthodentex anreolineatus</i>	Striped large-eye bream
	<i>Lethrinus atkinsoni</i>	Pacific yellowtail emperorr
	<i>Lethrinus obsoletus</i>	Orange-strippped emperorr
	<i>Lethrinus olivacens</i>	Longface emperorr
	<i>Lethrinus rubrioperculatus</i>	Spotoheek emperorr
	<i>Lethrinus xanthochilus</i>	Yellolip emperorr
	<i>Monotaxis grandoculis</i>	Humpnose big-eye bream
Lamnidae	<i>Isurus oxrinchus</i>	Shortfin mako
	<i>Isurus paucus</i>	Longfin mako
Lutjanidae	<i>Aphareus furca</i>	Small toothed jobfish
	<i>Aphareus rutilans</i>	Rusty jobfish
	<i>Apricon virescens</i>	Green jobfish
	<i>Enprotomiorns bispinatus</i>	Pygmy shark
	<i>Macolor niger</i>	Black and white snapper
	<i>Paracaesio kusakari</i>	Saddle-back snapper
	<i>Paracaesio xanthura</i>	Yellowtail blue snapper
	<i>Pristipomoides argyrogrmmicus</i>	Ornate jobfish
	<i>Pristipomoides auricilla</i>	Goldflag jobfish
	<i>Pristipomoides filamentosus</i>	Crimson jobfish
	<i>Pristipomoides flavipinnis</i>	Golden eye jobfish
	<i>Pristipomoides multidens</i>	Goldbanded jobfish
	<i>Pristipomoides sieboldii</i>	Lavender jobfish
	<i>Pristipomoides zonatus</i>	Oblique-banded snapper

	<i>Lutjanus argentimaculatus</i>	Mangrove red snapper
	<i>Lutjanus bohar</i>	Two-spot red snapper
	<i>Lutjanus fulviflammus</i>	Dory snapper
	<i>Lutjanus fulvus</i>	Blacktail snapper
	<i>Lutjanus gibbus</i>	Humpback snapper
	<i>Lutjanus kasmira</i>	Common bluestripe snapper
	<i>Lutjanus malabaricus</i>	Malabar blood snapper
	<i>Lutjanus monostigma</i>	One spot snapper
	<i>Lutjanus quinquelmeatus</i>	Five lined snapper
	<i>Lutjanus rivulatus</i>	Bubberlip snapper
	<i>Lutjanus russellii</i>	Russells snapper
	<i>Lutjanus semicinctus</i>	Black banded snapper
	<i>Lutjanus tumorensis</i>	Timor snapper
	<i>Lutjanus vitta</i>	Brown stripe red snapper
	<i>Etelis carbunculus</i>	Ruby snapper
	<i>Etelis cornescans</i>	Flame snapper
	<i>Etelis radiosus</i>	Scarlet snapper
	<i>Paracaesio kusakari</i>	Saddle back snapper
	<i>Paracaesio xanthura</i>	Yellowtail blue snapper
	<i>Prsitipomoides argyrogrmmicus</i>	Ornate jobfish
	<i>Pristipomoides auricilla</i>	Crimson jobfish
	<i>Pristipomoides filamentosus</i>	Golden eye jobfish
	<i>Pristipomoides flavipinnis</i>	Goldbanded jobfish
	<i>Pristipomoides multidentis</i>	Oblique banded snaper
	<i>Pristipomoides sieboldii</i>	Bonefish
	<i>Pristipomoides zonatus</i>	Thresher shark
Labridae	<i>Stethojulis bandanesis</i>	Red shoulder wrasse
	<i>Thalassoma amblycephalum</i>	Bluntheaded wrasse
	<i>Thalassoma hardwicke</i>	Sixbar wrasse
	<i>Thalassoma lunare</i>	Moon wrasse
	<i>Labroides bicolor</i>	Bicolor cleaner wrasse
	<i>Labroides pectoralis</i>	Blackspot cleaner wrasse
	<i>Labroides rubrolabiatus</i>	Redlip cleaner wrasse
	<i>Wet morella Inigropinnata</i>	Sharpnose wrasse
	<i>Anampses caemleopuntatus</i>	Blue spotted wrasse
	<i>Anampses melanurus</i>	White spotted wrasse
	<i>Bodianus anthiodes</i>	Lyretail hogfish
	<i>Bodianus axillaris</i>	Axilspot hogfish
	<i>Bodianus loxozonus</i>	Blackfin hogfish
	<i>Bodianus prognathus</i>	
	<i>Cheilinus trilobatus</i>	Tripletail wrasse
	<i>Cheilinus undulatus</i>	Humphead wrasse
	<i>Cheilinus sordidus</i>	Daisy parrotfish
Megalopidae	<i>Albula glossodonta</i>	Bonefish
	<i>Albula vulpes</i>	Thresher shark
Malacosteidae	<i>Aristostomias Innifer</i>	
	<i>Malacanthus brevirostris</i>	Quakerfish
	<i>Malacanthus latovittatus</i>	Blue blanguillo
Mugilidae	<i>Geninugil crenilabis</i>	Fringelip mullet
Muraenidae	<i>Echidua leucotaenia</i>	Whiteface moray
	<i>Enchelycore bayeri</i>	Bayer's moray
	<i>Enchevcore pardalis</i>	Leopard moray eel
	<i>Gymnothorax breedeni</i>	Blackcheck maray

	<i>Gymnothorax gracilicauda</i>	Slendertail moray
	<i>Gymnothorax margaritophorus</i>	Blotch-neck moray
	<i>Muraenichthys gymnotus</i>	Slender worm eel
	<i>Uropterygius xanthopterus</i>	Freckleface reef-eel
Mullidae	<i>Mulladiethys minicus</i>	Minic goatfish
	<i>Parupeneus barberinus</i>	Dash-and-dot goatfish
	<i>Parupeneus ciliatus</i>	White saddle goatfish
	<i>Parupeneus cyclostomus</i>	Gold-saddle goatfish
	<i>Parupeneus pleurostigma</i>	Sidespot goatfish
	<i>Upeneus taenuepterus</i>	Fin-stripe goatfish
Microdesmidae	<i>Ptereleotris evides</i>	Blackfin dartfish
	<i>Ptereleotris hanae</i>	Blue hana goby
	<i>Ptereleotris heteroptera</i>	Blacktail goby
	<i>Ptereleotris microlepis</i>	Blue gudgeon
	<i>Ptereleotris monoptera</i>	
	<i>Ptereleotris zelara</i>	
Ostrciidae	<i>Pervagor marginalis</i>	
Pempheridae	<i>Pempheris analensis</i>	Silver weeper
Pinguipedidae	<i>Parapercis clathrata</i>	Latticed sandperch
Plesiopidae	<i>Callopleiops onalensis</i>	Comet
Penroonectidae	<i>Samariscus triocellatus</i>	Three-spot righteye flounder
Poeciliidae	<i>Gambusia affinis affinis</i>	Mosquitofish
Pomacentridae	<i>Stegastes albifasciatus</i>	Whitebar gregory
	<i>Stegastes aureus</i>	Golden gregory
	<i>Stegastes fasciolatus</i>	Pacific gregory
	<i>Stegastes lividus</i>	Blunt snout gregory
	<i>Stegastes nigricans</i>	Dusky farmerfish
Pomacanthidae	<i>Apolemichthys griffisi</i>	Griffisi angelfish
	<i>Apolemichthys nanathopuclatus</i>	Goldspotted angelfish
	<i>Centropyge bicolor</i>	Bicolor angelfish
	<i>Centropyge loriailus</i>	Flaming angelfish
	<i>Centropyge multicolor</i>	Multicolor angelfish
	<i>Centropyge nigriocellus</i>	Blackspot angelfish
	<i>Panacanthus imperator</i>	Emperor angelfish
Pseudogrammididae	<i>Aporops bilinearis</i>	
Pomacentridae	<i>Abudefduf septemfasciatus</i>	Banded sergeant
	<i>Abudefduf sordidus</i>	Blackspot sergeant
	<i>Abudefduf vaiiensis</i>	Indo-Pacific sergeant
	<i>Amblyglyphidodon aureus</i>	Golden damselfish
	<i>Amblyglyphidodon curacao</i>	Staghorn damselfish
	<i>Amphiprion crysepterus</i>	Orangefin anemonefish
	<i>Amphiprion melanopus</i>	Fire downfish
	<i>Amphiprion perideraion</i>	Pink anemonefish
	<i>Chronus acares</i>	Midget chronus
	<i>Chronus atripes</i>	Dark-fin chronus
	<i>Chronus caerulea</i>	Green chronus
	<i>Chronus caudalis</i>	Blue anil chronus
	<i>Chronus leptocephalus</i>	Scaly chronus
	<i>Chronus margaritifer</i>	Bicolor chronus
	<i>Chronus viridus</i>	Blue-green damselfish
	<i>Chronus weberi</i>	Weber's chronus
	<i>Chronus nathura</i>	Paletail chronus
	<i>Chrysiptera biocellata</i>	Twinspot damselfish

	<i>Chrysiptera flauca</i>	Grey demoiselle
	<i>Dascyllus aruanus</i>	Whitetail dascyllus
	<i>Dascyllus reticulatus</i>	Reticulate dascyllus
	<i>Dascyllus trimaculatus</i>	Threespot dascyllus
	<i>Hepidozygus tapeinosoma</i>	Fnsilier damselfish
	<i>Plectroglyphidodon dicku</i>	Blackbar devil
	<i>Plectroglyphidodon lacrymatus</i>	Whitespotted devil
	<i>Plectroglyphidodon phoenixensis</i>	Phoenix devil
	<i>Pomacentrus coelestis</i>	Neon damselfish
	<i>Pomacentrus paro</i>	Sapplure damselfish
	<i>Pomacentrus vaiuli</i>	Ocelate damselfish
Rhincodontidae	<i>Rhincodon typus</i>	Whale shark
Siganidae	<i>Siganus arfeneus</i>	Steamlined spinefoot
	<i>Siganus pnelus</i>	Masked spinefoot
	<i>Siganus punctatus</i>	Goldspotted spinefoot
	<i>Siganus spinus</i>	Little Spinefoot
	<i>Siganus vulpinus</i>	Foreface
Squalidae	<i>Isistius brasiliensis</i>	Cookiercutler Shark
Syngriathidea	<i>Choeroichthys sculptus</i>	Sculptured pipefish
Synodontidae	<i>Synodus dermatogenys</i>	Sand Lizardfish
	<i>Synodus jaculum</i>	Lighthorse lizardfish
	<i>Synodus variegatus</i>	Variiegated lizardfish
Scaridae	<i>Bolbometopon muricatum</i>	Green humphead parrotfish
	<i>Calotomus Carolinus</i>	Caroline's parrotfish
	<i>Scarns altipinnis</i>	Filament finned parrotfish
	<i>Scarns frenatus</i>	Bridled parrotfish
	<i>Scarns frontalis</i>	Tan-faced parrotfish
	<i>Scarns ghobban</i>	Blue-barred parrotfish
	<i>Scarns globiceps</i>	Globehead parrotfish
	<i>Scarns microhinus</i>	Steephead parrotfish
	<i>Scarns oviceps</i>	Darkcapped parrotfish
	<i>Scarns tricolor</i>	Tricolour parrotfish
Scombridae	<i>Acanthocybium solandri</i>	wahos
	<i>Euthynnus affinis</i>	kawakawa
	<i>Katsuwonus affinis</i>	Skipjack tuna
	<i>Scomberomorus commerson</i>	Narrow-barred spanish mackerel
	<i>Thunnus alalunga</i>	Albacore
	<i>Thunnus albacares</i>	Yellowfin tuna
	<i>Thunnus obesus</i>	Bieye tuna
Scorpanidae	<i>Scorpaenodes Kelloggi</i>	Kellogg's scorpaenfish
	<i>Scorpaenopsis diabolus</i>	False stonefish
	<i>Sebastapustes cyanostigina</i>	Yellows potted scorpaenfish
Serranidae	<i>Aethaloperca rogaa</i>	Redmouth grouper
	<i>Anthias anrulentus</i>	
	<i>Anthias olivaceus</i>	
	<i>Anypserodon leneogrammicus</i>	Slender grouper
	<i>Cephaloholis argus</i>	Peacock hind
	<i>Cephaloholis leopard</i>	Leopard hind
	<i>Cephaloholis miniata</i>	Coral hind
	<i>Cephaloholis polleni</i>	Harlequin hind
	<i>Cephaloholis sexmaculata</i>	Sixblotch hind
	<i>Cephaloholis sonnerati</i>	Tomato hind

	<i>Cephaloholis spiloparaea</i>	Strawberry hind
	<i>Cephaloholis nrodeta</i>	Darkfin hind
	<i>Epinephelus caeruleopunctatus</i>	Whitespotted grouper
	<i>Epinephelus cyanopodus</i>	Speckled blue grouper
	<i>Epinephelus fasciatus</i>	Blacktip grouper
	<i>Epinephelus hexagonatus</i>	Starspotted grouper
	<i>Epinephelus howlandi</i>	Blacksaddle grouper
	<i>Epinephelus lanceolatus</i>	Giant grouper
	<i>Epinephelus macrospilos</i>	Snubnose grouper
	<i>Epinephelus maculatus</i>	Highfin grouper
	<i>Epinephelus melamostigma</i>	One blotch grouper
	<i>Epinephelus merra</i>	Honey comb grouper
	<i>Epinephelus miliaris</i>	Netfin grouper
	<i>Epinephelus polyphkadion</i>	Camouflage grouper
	<i>Epinephelus retonte</i>	Red tipped grouper
	<i>Epinephelus socialis</i>	Surge grouper
	<i>Epinephelus spilotoceps</i>	Foursaddle grouper
	<i>Epinephelus tauvina</i>	Greasy grouper
	<i>Epinephelus timorensis</i>	Yellowspotted grouper
	<i>Gracila albomarginata</i>	Masked grouper
Tetraodontidae	<i>Caninigaster solandri</i>	Spotted sharpnose
Trichiuridae	<i>Bentnodesmus vityaze</i>	Vityaz frostfish
Triglidae	<i>Lepidotrisla jimjoehob</i>	
Tripterygiidae	<i>Enneapterygius hemimelas</i>	Half black triplefin
	<i>Enneapterygius minustus</i>	Minute triplefin
	<i>Helcogramma capidata</i>	Hooded triplefin
	<i>Helcogramma chica</i>	Little hoode triplefin
	<i>Helcogramma striata</i>	Tropical stripped triplefin

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