Angels & Butterflies		
Centropyge fisheri		Fisher's
C. loriculus		Flame
C. potteri		Potter's
Desmoholocanthus arcuatus		Bandit
Chaetodon auriga	✓	Threadfin
C. citrinellus		Speckled
C. ephippium		Saddleback
C. fremblii		Bluestripe
C. kleinii		Blacklip
C. lineolatus	✓	Lined
C. lunula	✓	Racoon
C. lunulatus		Oval
C. miliaris		Milletseed
C. multicinctus		Multiband
C. ornatissimus		Ornate
C. quadrimaculatus	X	Fourspot
C. unimaculatus	X	Teardrop
Forcipiger species		Longnose
Hemitaurichthys polylepis		Pyramid
H. thompsoni		Thompson's
Heniochus diphreutes		Pennantfish

Damsels		
Abudefduf abdominalis		Sargent Major
A. sordidus		Blackspot Sargent
A. vaigiensis		Indo-Pacific Sargent
Chromis agilis		Agile
C. hanui	✓	Chocolate-dip
C. ovalis	✓	Oval
C. vanderbilti	✓	Blackfin
C. verater		Threespot
Dascyllus albiselia		Hawaiian Dascyllus
P. imparipennis	✓	Brighteye
P. johnstonianus	✓	Blue-eye
Plectroglyphidodon sindonis		Rock
Stegastes fasciolatus	✓	Pacific Gregory

Eels		
Echidna nebulosa		Snowflake
Gymnomuraena zebra		Zebra
Gymnothorax flavimarginatus		Yellowmargin
Gymnothorax meleagris		Whitemouth
Gymnothorax rueppelliae		Yellowhead
Gymnothorax species		Moray
Gymnothorax undulatus	✓	Undulated

Files		
Aluterus scriptus		Blue Scrawled
Cantherhines dumerilii	✓	Barred
Cantherhines sandwichiensis		Squaretail
Pervagor spilosoma		Fantail

Gobies, Blenny's,		
Blenniidae	✓	Blenny sp.
Exallius brevis		Shortbody blenny
Cirripectes vanderbilti		Scarface Blenny
Coryphopterus sp.		Goby
Gobiidae species		Goby
Parapercis schauinslandi		Sand Perch
Plagiotremus goslinei	✓	Scale-eating Blenny
Psilogobius mainlandi		Hawaiian Shrimp Goby

Hawks		
Amblycirrhitus bimacula		Twospot
Cirrhitops fasciatus	✓	Redbar
C. pinnulatus		Stocky
Oxycirrhites typus		Longnose
Paracirrhites arcatus	✓	Arc-eye
P. forsteri		Blackside

Introduced species		
Cephalopholis argus	✓	Blue-spotted Grouper
Lutjanus fulvus		Blacktail Snapper
L. kasmira		Bluestripe Snapper

Goats		
Mulloidichthys flavolineatus		Yellowstripe
Mulloidichthys pflugeri		Pfugeri
Mulloidichthys vanicolensis		Yellowfin
Parupeneus bifasciatus		Doublebar
Parupeneus cyclostomus		Blue
Parupeneus multifasciatus	✓	Manybar
Parupeneus pleurostigma		Sidespot
Parupeneus porphyreus		Whitesaddle

Misc.		
Antennarius commersoni		Frogfish
Scorpaenodes species		Scorpionfish
Dendrochirus barberi		Hawaiian lionfish
Pterois sphex		Hawaiian turkeyfish
Apogon species	✓	Cardinalfish
Aulostomus chinensis		Trumpet
Fistularia commersonii		Cornetfish
Decapterus macarellus		Mackerel Scad
Selar crumenophthalmus		Big-Eyed Scad
Hyporhamphus acutus		Acute halfbeak
Kuhlia sandvicensis		Hawaiian Flagtail
Kyphosus species	X	Chub
Synodus species		Lizardfish

Nocturnal/Redfish		
Myripristis species		Soldierfish
M. berndti		Bigscale
M. kuntee		Epaulette
Priacanthus meeki		Hawaiian Bigeye
Heteropriacanthus cruentatus		Glasseye
Sargocentron xantherythrum		Hawaiian Squirrelfish
S. spiniferum		Saber
S. ensiferum		Yellowstripe
S. tiere		Tahitian

Predators		
Aphareus furca		Smalltooth Jobfish
Aprion virescens		Green Jobfish
Carangoides ferdau		Barred Jack
C. orthogrammus		Island
Caranx ignobilis		Giant White Trevally
C. melampygus		Blue
C. sexfasciatus		Bigeye
Monotaxis grandoculis		Bigeye Emperor
Scomberoides lysan		Leatherback

Parrots		
Calotomus carolinus		Stareye
C. zonarchus		Yellowbar
Chlorurus perspicillatus		Spectacled
C. sordidus	✓	Bulllethead
Scarus dubius		Regal
S. psittacus		Palenose
S. rubroviolaceus		Redlip

Surgeons		
Acanthurus achilles		Achilles
A. blochii		Ringtail
A. dussumieri		Eye-stripe
A. guttatus		Whitespotted
A. leucopareius	X	Whitebar
A. nigricans		Goldrim
A. nigrofuscus	✓	Brown
A. nigroris		Bluelined
A. olivaceus	✓	Orangeband
A. thompsoni		Thompson's
A. triostegus	✓	Convict
A. xanthopterus		Yellowfin
Ctenochaetus strigosus	✓	Goldring
Naso. annulatus		Whitemargin
N. brevirostris		Paletail
N. hexacanthus		Sleek
N. lituratus		Orangespine
N. unicornis		Bluespine
Zebrasoma flavescens		Yellow tang
Z. veliferum		Sailfin

Tobies, Triggs, & Puffs		
Canthigaster amboinensis	✓	Ambon Toby
C. coronata		Crown
C. jactator	✓	Whitespotted
Melichthys niger		Black Durgon
M. vidua		Pinktail
Rhinecanthus aculeatus		Lagoon Triggerfish
R. rectangulus		Reef
Sufflamen bursa	✓	Lei
S. fraenatus		Bridled
Arothron hispidus		Stripebelly Puffer
A. meleagris		Spotted
Diodon holocanthus		Spiny
D. hystrix		Porcupine
Ostracion meleagris		Spotted Boxfish
O. whitleyi		Whitley's

Wrasses		
Anampses chrysocephalus		Psychedelic
A. cuvier		Pearl
Bodianus bilunulatus	✓	Hawaiian Hogfish
Cheilio inermis		Cigar
Coris ballieui		Lined Coris
C. flavovittata		Yellowstrip coris
C. gaimard	✓	Yellowtail Coris
C. venusta		Elegant Coris
Cymolutes lecluse		Sharp-Headed
Gomphosus varius	✓	Bird
Halichoeres ornatissimus		Ornate
Labroides phthirophagus	✓	Hawaiian Cleaner
Macropharyngodon geoffroy	✓	Shortnose
Novaculichthys taeniourus	✓	Rockmover
Oxycheilinus bimaculatus		Twospot
O. unifasciatus		Ringtail
Pseudocheilinus evanidus		Disappearing
P. octotaenia	✓	Eightline
P. tetrataenia		Fourline
Pseudojuloides cerasinus		Smalltail
Stethojulis balteata	✓	Belted
Thalassoma ballieui	X	Blacktail
T. duperrey	✓	Saddle
T. lutescens		Sunset
T. purpureum	✓	Surge
Moorish idol	X	
Green Sea Turtles, clean		
Green Sea Turtles, tumors		

new recruits getting coloration
Kpl, OS, MAGE JROBI

Name: PM

Date: 8-30-07

Location: KAPAPA ISLAND

Depth / Bearing:

26' 300°→

Date 8-30-07 Time	Bearing 300	Depth 25-30 Observer PM	
Location ~~MOOH~~ KAPAPA	Survey Station (1-11)	Survey Site A B C D (circle one)	Transect 1 2 3 (circle one)
Aulo chinensis			
Fist commersonii			
Cirr pinnulatus		FLAT, NOT MUCH FISH	
Para arcutus			
Para forsteri			
Cara melampygus			
Lutj fulvus			
Lutj kasmira			
Mull flavolineatus			
Paru bifasciatus			
Paru multifasciatus	D-1 C-4	C, D	
Chae auriga			
Chae lunula	D		lineolatus - D
Chae miliaris			
Chae multicinctus			
Chae ornatissumus	uni - D quad - C		quad - D-2
Forc flavissimus			
Abud abdominalis			
Chro ovalis			
Chro vanderbilti		A-4, 8	
Plect imparipennis		B	
Steg fasciolatus	B,		B, C, B, B, B
Bodi bilunulatus			35-1
Coris flavovittata			
Coris gaimard			old lady - 30-2 Ballewei
Gomph varius	C,		
Halich ornatissimus			
Labr phthirophagus	B, B, B,		
Steth balteata		B, C, B, B, C	
Thal duperrey	C-6, B-4	B, C, B, C-3, D-4	C, D, D, C, C, D, D
Chlor sordidus			25-3, 30-2
Zanclus cornutus			D-1 Zonarchus - 25-1
Acan blochii			30-6, 4, 4
Acan nigrofuscus	D-16, 4, 6,		C-4
Acan nigroris			leuco - D-8
Acan olivaceus	30-4		35-4
Acan triostegus	D 16		
Cteno hawaiiensis			
Cteno strigosus	C-4, 8, 3,		D, C, D, D, C-6
Naso lituratus			
Naso unicornis			35-3
Zebra flavescens			
Meli vidua			~~[illegible]~~ 25-1
Rhin aculeatus			
Rhin rectangulus			
Suff bursa			
Canth jactator			
		20' 5 g min.	