

Clelia 610

Pilot: Ben

Obs. 1: Chris Koenig

Obs 2: Bob Ballard

Date: 08/31/01

Visibility: 30'

Depth range: 190-262

Time: 10:40-13:40

Chapmans 610

Objectives: Transects/exploration

General Habitat: Large rolling hills/dunes of dead coral rubble with some small sprigs of live *Oculina* on the tips were common. There was a large expanse of small-medium relief colonies of dead intact *Oculina*. Throughout these areas small live *Oculina* heads were scattered. These types of features were observed on the south slope of the Southern pinnacle/hill. Possible fresh water springs were noted on the North face of the ridges. Towards the end of the dive the habitat became small rolling dunes of sand/rubble hash until transect 11 where it changed to thick dense rubble.

Invertebrates: The most common invertebrates seen were the Diadematidae (black long-spine urchins) and *Eucidaris* (pencil urchins) which were densely scattered over the bottom

- 2 Asteroidea (sea stars)
- 10+ Ophiuroidea (brittle star)
- 1 Holothuroidea (sea cucumber)
- some sponge growth (Demospongiae)

Human Impact:

- Some tracks as well as some discarded gear was spotted from the sub
- Line (anchor/long-line) on live coral head

Fish:

- Most fish large and small were associated with the live *Oculina* and dead in-tact large clumps. For example, if there were only 2 clumps over one whole transect, the fish were more than likely only in those two areas and not widely distributed throughout.
- Barely any fish except *Serranus phoebe* were associated with the sand/coral rubble ridges.

Commercially Important Species

- 11 Transects were completed
 - the most large species occurred in T5-T6; the habitat in this area consisted of nice colonies of small scattered live *Oculina* heads and large intact dead colonies
 - Transect 11 was comprised of a dense mat of dead *Oculina* on the North face of the

North pinnacle/hill

Transect Data

	Start- TI	TI	T2	T3	T4	T5	T6	T7	T8	T9	T10	T11
M. phenax	1					5						3-4
M. microlepis												
E. adscensionis							1					
Epinephelus morio					1							
E. niveatus												
E. drummondhayi						1	1-2					
R. maculatus												
Calamus sp.						3	3					

Other Species Observed

	Acanthurus sp.		Equetus lanceolatus		Paralichthys sp.
A	Anthiinae		Equetus sp.		Plectranthias garrupellus
	Apogon sp		Equetus umbrosus		Plectrypops retrospinus
	Bodianus pulchellus		Equetus iwamotoi		Pomacetrus sp.
	Centropristis ocyurus		Gymnothorax moringa		Priacanthus arenatus
	Centropristis striata		Halichores bathyphilus	F	Pristigenys alta
	Centropristis fuscula		Halichores sp		Rypticus maculatus
M	Chaetodon aya	A	Hemanthias vivanus		Scorpaena
	Chaetodon ocellatus	F	Holacanthus bermudensis		Serranus flaviventris
M	Chaetodon sedentarias		Holacanthus ciliaris	M	Serranus phoebe
F	Chaetodon sp.	A	Holanthias martinicensis	M	Seriola dumerili
	Chromis cyanea		Holocentrus		Seriola rivoliana

	Acanthurus sp.		Equetus lanceolatus		Paralichthys sp.
A	Anthiinae		Equetus sp.		Plectranthias garrupellus
			adscensionis		
F	Chromis enchrysurus		Holocentrus sp.		Synodus sp
	Chromis scotti		Labridae		Callionymidae
	Decodon puellaris	F	Liopropoma eukrines		Canthigaster urosticta
S	Diplectrum formosum		Ogcocephalus sp.		

Good shots:

3chip1:

1. 11:48:43RT
dense dead intact and small patch live coral; Yellowtail Reefish, RoughTongue Bass., Tattlers and a black urchin
610-1.mpg
610-1.jpg
2. 11:52:01-11:52:08Rt
Speckled Hind, and the 2 species of butterflyfish in clip
610-2.mpg
610-2.jpg
C aya
low/med relief intact coral, some live on tips
3. 11:56RT
numerous Anthiids in dead coral zone(a lot is intact) with small bit of scattered live coral, clip will be best to use here
610-3.mpg
610-3.jpg
4. 12:30RT
dense dead thickets of rubble, nothing in- tact with no fish
610-4.mpg
610-4.jpg

3chip2

5. 13:03
sand/rubble hash with a large red brittle star
610-5.mpg
610-5.jpg