Sub/ROV ID:

Dive Information Form

Activity ID: GOA04 DIVE#6
Dive Number: 4031

General Dive Information

Target Area Name:

PARTICIPANTS				BOUNDING COORDINATES			
PARTICIPANT 1	PART. 1 ROLE	PARTICIPANT 2	PART. 2 ROLE	North (Lat)	South (Lat)	East (Long)	West (Long)
Peter Etnoyer	Principal Investigator	Danielle Parker	Scientist	54° 31.38 N	54° 30.84 N	136° 55.44 W	136° 54.78 W
PARTICIPANT 3	PART. 3 ROLE	PARTICIPANT 4	PART. 4 ROLE	DATES		TIMES	
Anthony Tarantino	Pilot			START	STOP	START	STOP
Max Depth (m):	800			08/06/2004	08/06/2004	08:00AM PDT	16:00 PDT

ASSOCIATED PROJECT:

Brief Physical/Biological Desciption of Dive Track

Example: Dive started on flat sandy bottom. Changed to rock and cobble, with numerous octocoral and fans, as large rock wall was approached at about the mid point of dive track. Worked up and down wall from north end to south end until the end of the dive... *(please DO NOT reference tracking file)*

The dive started at 850meters, in the middle of a coral field. There were several species of coral, some covered with brittle stars, as well as shrimp and crabs. We took video and still shots of Paragorgia coral, Primnoid coral, and a large sponge, then took samples of each. We moved around a little, staying at about 850 meters, and photoed and sampled other corals and sponges. We moved up to 700 meters, taking Niskins at about every 75 meters. Once at 700 meters, there were a lot of big bamboo coral. We documented them, and then took a couple samples. We collected a couple of rocks. We ended the dive by doing a transect at 700 meters, then coming back to the top.

Dive Objectives

Provide a brief description of the objectives for this dive.

1) Fix position; 2) Collect water with Niskin bottle in coral beds at 50m depths (800,750,700,650,600…). 3) Collect rocks from ridge; 4) Net coral colony w/commensals; 5) Conduct one (1) 500m video transect at ~700m depth, direction at pilot's discretion. For transect, align port p&t with 3-chip so lasers are in view for transect, constant speed and altitude; 6) Collect corals and sweeper tentacles; 7) Collect coral assemblages using multi-chamber slurp, pelagic slurps & nets; 8) If necessary, retrieve crab trap.

Data, Samples, Multimedia Collected During Dive

Multimedia? ☐ Y ☐ N Samples? ☐ Y ☐ N Data? ☐ Y ☐ N Transects? ☐ Y ☐ N

Comments

We collected samples, took videos, and still photos, and did a transect.

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Scientist Observations and Ratings of Dive Track

DIVE TRACK RATINGS Rate the dive track overall (1=low; 10=high): Uniqueness ☐ Health ☐ Disturbance ☐ Biodiversity ☐

RELIEF VARIATION Highest observed feature (m): ☐

GEOMORPHOLOGY & SEDIMENTS (Check all that were observed)

Dominant Features/% Cover
- ☐ mounds ____
- ☐ pinnacles ____
- ☐ ridges ____
- ☐ drowned reefs ____
- ☐ rock outcrops ____
- ☐ low-relief hard bottom ____
- ☐ sand waves ____
- ☐ pits ____
- ☐ vents ____
- ☐ sea mounts ____
- ☐ walls ____
- ☐ pinnacles/ridges ____
- ☐ oculina rubble ____
- ☐ rock rubble ____
- ☐ sand ____
- ☐ Other...

Sediments and % Cover
- ☐ Rock, Continuous Strata ____
- ☐ Boulder (> 256Mm) ____
- ☐ Cobble (64mm - 256mm) ____
- ☐ Gravel (4mm - 64mm) ____
- ☐ Coarse Sand (.5mm - 4mm) ____
- ☐ Medium Sand (.25mm - .5mm) ____
- ☐ Fine Sand (.06mm - .25mm) ____
- ☐ Silt (.004mm - .06mm) ____
- ☐ Clay (< .004mm)- ____
- ☐ Mix of Boulders & Cobbles ____
- ☐ Mix of Cobbles & Gravel ____
- ☐ Mix of Gravel & Sand ____
- ☐ Mix of Sand & Silt ____
- ☐ Mix of Silt & Clay ____
- ☐ Artificial Substrate-Vertical Piling ____
- ☐ Other...

Living Habitat Structure and % Cover
- ☐ Sponges ____
- ☐ Stony Corals ____
- ☐ Octocorals ____
- ☐ Bryozoans ____
- ☐ Oculina ____
- ☐ Dead Coral w/ encrusting orgs ____
- ☐ Other Ceranthids ____
- ☐ Sponge/Octocorals 2% ____
- ☐ Hydroids, bryozoans ____
- ☐ Other...

Comments/Other Types:

lots of rocks, and lots of corals

HUMAN ACTIVITY OR IMPACT
- ☐ Anchor Damage
- ☐ Trawl Tracks or Damage
- ☐ Wrecks
- ☐ Discarded Gear
- ☐ Active Gear
- ☐ Garbage
- ☐ Excavations
- ☐ Buoys or Markers
- ☐ Suspected Disease
- ☐ Sedimentation
- ☐ Spilled Fuel
- ☐ Cables
- ☐ Oil & Gas Development
- ☐ Other...

Comments:

LIVING MARINE RESOURCES

Abundance: Circle estimated abundance of fish & invertebrates.
0-None; **S**ingle; **F**ew (2 - 10); **M**any (11 - 100); **A**bundant (>100)

Pelagic Fish:	N S F M A
Bottom Fish:	N S F M A
Crustacean:	N S F M A
Mollusk:	N S F M A
Echinoderm:	N S F M A
Other Benthic:	N S F M A

Other Benthics:

Unique/rare invertebrate species observed:

Unique/rare vertebrate species observed:

Comments:

many coral, some fish, sea stars, brittle stars, crabs, shrimp, sponges,

FISH OBSERVATIONS AND ABUNDANCE

Abundance: **Mark whether: S**-Single; F-**F**ew (2 - 10); M-**M**any (11 - 100); A-**A**bundant (>100)

_____	S F M A	_____	S F M A	_____	S F M A
_____	S F M A	_____	S F M A	_____	S F M A
_____	S F M A	_____	S F M A	_____	S F M A
_____	S F M A	_____	S F M A	_____	S F M A
_____	S F M A	_____	S F M A	_____	S F M A
_____	S F M A	_____	S F M A	_____	S F M A
_____	S F M A	_____	S F M A	_____	S F M A
_____	S F M A	_____	S F M A	_____	S F M A
_____	S F M A	_____	S F M A	_____	S F M A
_____	S F M A	_____	S F M A	_____	S F M A
_____	S F M A	_____	S F M A	_____	S F M A
_____	S F M A	_____	S F M A	_____	S F M A
_____	S F M A	_____	S F M A	_____	S F M A
_____	S F M A	_____	S F M A	_____	S F M A
_____	S F M A	_____	S F M A	_____	S F M A
_____	S F M A	_____	S F M A	_____	S F M A

General Comments