



Florida Department of Environmental Protection
Coral Reef Conservation Program
SEAFAN BleachWatch Program



BleachWatch Data Sheet

Online Forms: www.SEAFAN.net/BleachWatch

A. OBSERVER INFORMATION: **Date of Visit:** _____ **Time:** _____

Name: _____ Email: _____

Phone: _____ Organization (if applicable): _____

Observer Category (circle): Resident Visitor Tourism Commercial Education Research Government NGO

B. SITE INFORMATION: **Latitude:** _____ **Longitude:** _____

Site Name/Location: _____ Depth Range: (ft / m): _____ Min. _____ Max.

County (circle): Miami-Dade Broward Palm Beach Martin Other: _____

Environmental Conditions (Optional): Wind Speed (circle): 0-5 kts 5-10 kts 10-15 kts 15-20 kts 20+ kts

Air Temp.: _____ Water Temp. (Surface): _____ Water Temp. (Bottom): _____ Underwater Vis. (ft / m): _____

Cloud cover (circle): Clear Partly Cloudy Mostly Cloudy Overcast

Did you observe signs of BLEACHING?

YES – Please continue with Section C and D

NO

Did you observe signs of DISEASE?

YES – Please continue with Section C and D

NO

C. BLEACHING AND DISEASE OBSERVATIONS: Single (S) - 1 Few (F) - 2-5 Many (M) - 5+

| | Bleaching: | | | | Disease: | | | | *Other observations/further description (i.e. disease pattern, color, speed of progression, etc.) |
|------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|---|
| | No Stress | Paling | Partial Bleaching | Bleached | Black Band | Tissue Loss (white) | Growth Anomaly | Other* | |
| Brain | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | |
| Branching | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | |
| Fleshy | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | |
| Flowering/Cup | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | |
| Leaf/Plate/Sheet | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | |
| Mound/Boulder | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | |

D. OVERALL OBSERVATIONS:

What was the overall severity of bleaching over the entire site? (Please check one)

___ Pale (light color) ___ Partially bleached ___ Fully Bleached ___ Dead with algae

What percent of overall coral cover was **BLEACHED** at the site? (Please check one)

___ 1 – 10% ___ 11 – 30% ___ 31 – 50% ___ 51 – 75% ___ 76 – 100%

What percent of overall coral cover was **DISEASED** at the site? (Please check one)

___ 1 – 10% ___ 11 – 30% ___ 31 – 50% ___ 51 – 75% ___ 76 – 100%

Check if you saw bleaching on:

___ Fire Coral (Hydrocoral)

___ Palythoa (Zoanthids)

___ Gorgonians (Soft Coral)

E. NOTES: (Specific species of coral affected, other observations about the site)

Thank you for your participation!
Program Coordinator
Phone: (305) 795-1204
Email: Coral@FloridaDEP.gov
www.SEAFAN.net/BleachWatch

Program Partners:



Table 1: Percent Live Coral Bleaching

The figure below is to help estimate percent of living coral cover affected by bleaching on the overall site.

| | |
|---------------------------|--|
| Category 0 absent (0%) | |
| Category 1 1-10% | |
| Category 2 11-30% | |
| Category 3 31-50% | |
| Category 4 51-75% | |
| Category 5 76-100% | |

Table 3: Non-Stony Coral ID Key

The Table below helps identify major groups of non stony corals. These corals are great baseline indicators of a mass bleaching event.

| Palythoa | Fire Coral | Gorgonians |
|--|---|--|
| | | |
| <ul style="list-style-type: none"> • Zoanthid • Encrusting • Anemone-like | <ul style="list-style-type: none"> • Hydrocoral • Encrusting • Stinging polyps | <ul style="list-style-type: none"> • Octocorals • Soft corals • Branching or encrusting |

Table 2: Coral ID Key

The Table below helps identify major groups of corals. More experienced observers are encouraged to identify by family, genus, and/or species where possible.

| | |
|--|---|
| | <p>Brain Corals: Includes all of the following:</p> <ul style="list-style-type: none"> • Brain Corals • Maze Corals • Rose Corals |
| | <p>Encrusting, Mound & Boulder: Includes all corals that often take the shape of what they grow over or the massive /boulder shaped excluding brain corals.</p> |
| | <p>Branching & Pillar Include all of the following:</p> <ul style="list-style-type: none"> • Branching • Pillar • Finger-like • Knobby |
| | <p>Plate, Leaf & Sheet Includes all corals that are flattened and are usually layered.</p> |
| | <p>Flowering & Cup Includes all corals that the corallites appears independent from the rest of the colony.</p> |
| | <p>Fleshy Corals Includes all corals with a fleshy appearance.</p> <ul style="list-style-type: none"> ▪ Cactus Corals |

Drawings courtesy of Reef Coral Identification-2003 copyright New world Publications www.fishid.com

Note: Any information submitted in this form becomes public record and may be used by the Florida Department of Environmental Protection in any manner necessary. Participating in this activity is at your own risk and the Department and staff are not responsible for personal injury or loss of property.

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