

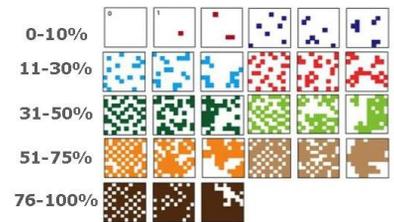


BleachWatch VI Report Instructions (side 1)

Side one of the datasheet is all about the critical bleaching information– if you see bleaching be sure to fill out each question. If you don't see bleaching answer "no" and then proceed to side 2.

Be sure to include this basic information in every report, especially the dive site name or description (if there isn't a named dive site, describe the location within a known bay or area).

This question wants you to estimate how much hard coral was alive on the reef area surveyed. The drawing below can help you determine how prevalent corals were at your site:



Use the chart below to help identify the types of coral you saw at your site– it's important to get a sense of what the composition of corals is at your site versus the types of corals that are bleaching

BleachWatch VI Report (side 1)

CRITICAL DATA

Date: _____ Time: _____ Island: _____
 Dive Site/Specific Location: _____
 Water Temperature: _____ °F Depth Range: _____

Percentage of live hard coral across the entire reef area: (circle one)
 0% 1-10% 11-30% 31-50% 51-75% 76-100%

What were the 3 most common types of hard coral at your site?
 Brain Branching Pillar Flowering/Cup
 Mound/Boulder Fleshy Leaf/Plate/Sheet

Did you see bright white bleaching on any of the corals in your site?

Yes (answer questions below) **No** (skip to side 2)

Percentage of corals bleached bright white across your site: (circle one)
 Low (1-10%)
 Medium (11-50%)
 High (51-90%)
 Extreme (>90%)





What depth did the bleaching occur? (if needed provide range) _____ ft

Which of the following were most affected by the bleaching?
 Brain Branching Pillar Flowering/Cup Mound/Boulder Fleshy
 Leaf/Plate/Sheet Zoanthids Fire Corals Soft Corals

Notes: (give a brief description of what you saw or other notes about your site)

Take photos and submit data online: www.reefconnect.org/bleachwatch

This is the most important question– and its asking for bright white bleaching– bleached corals are still alive and have polyps and tentacles, but their color is gone making them appear bright white. This can happen in isolated corals, or it can happen to a lot of corals at the same time. If you saw bleached corals answer yes and continue with the questions below, if you did not see bleaching answer no and skip to the notes section and/or side 2 of the datasheet.

- ### Coral ID
- 

Brain Corals:
Includes all of the following:
Brain Corals, Maze Corals, Rose Corals
 - 

Encrusting, Mound & Boulder:
Includes all corals that often take the shape of what they grow over or the massive /boulder shaped excluding brain corals.
 - 

Branching & Pillar
Include all of the following:
Branching, Pillar, Finger-like, Knobby
 - 

Plate, Leaf & Sheet
Includes all corals that are flattened and are usually layered.
 - 

Flowering & Cup
Includes all corals that the corallites appear independent from the rest of the colony.
 - 

Fleshy Corals
Includes all corals with a fleshy appearance; Cactus Corals



BleachWatch VI Report Instructions (Side 1)

Side one of the datasheet is all about the critical bleaching information— if you see bleaching be sure to fill out each question. If you don't see bleaching answer "no" and then proceed to side 2.

It is important to quantify the extent of bleaching (how many corals or how much of the reef was bleached?) Use the chart below to guide you.

BleachWatch VI Report (side 1) CRITICAL DATA

Date: _____ Time: _____ Island: _____

Dive Site/Specific Location: _____

Water Temperature: _____ °F Depth Range: _____

Percentage of live hard coral across the entire reef area: (circle one)

0% 1-10% 11-30% 31-50% 51-75% 76-100%

What were the 3 most common types of hard coral at your site?

Brain Branching Pillar Flowering/Cup
Mound/Boulder Fleshy Leaf/Plate/Sheet

Did you see bright white bleaching on any of the corals in your site?

Yes (answer questions below)

No (skip to side 2)

Percentage of corals bleached bright white across your site: (circle one)

Low (1-10%)

Medium (11-50%)

High (51-90%)

Extreme (>90%)



What depth did the bleaching occur? (if needed provide range) _____ ft

Which of the following were most affected by the bleaching?

Brain Branching Pillar Flowering/Cup Mound/Boulder Fleshy
Leaf/Plate/Sheet Zoanthids Fire Corals Soft Corals

Notes: (give a brief description of what you saw or other notes about your site)

Take photos and submit data online: www.reefconnect.org/bleachwatch

%*	Description	Visual Assessment
1-10	Low or mild bleaching	Bleached colonies seen occasionally and are conspicuous, but vast majority of colonies not bleached
10-50	Moderate bleaching	Bleached colonies frequent but less than half of all colonies
50-90	High bleaching	Bleaching very frequent and conspicuous, most corals bleached
>90	Extreme bleaching	Bleaching dominates the landscape, unbleached colonies not common. The whole reef looks white

Not all corals bleach at the same time— knowing what types of coral are bleaching is helpful information. Zoanthids, fire corals and soft corals are not hard corals, but can bleach as well and that's why they are included here.

Coral ID



Brain Corals:

Includes all of the following:
Brain Corals, Maze Corals,
Rose Corals



Encrusting, Mound & Boulder:

Includes all corals that often take the shape of what they grow over or the massive /boulder shaped excluding brain corals.



Branching & Pillar

Include all of the following:
Branching, Pillar, Finger-like,
Knobby



Plate, Leaf & Sheet

Includes all corals that are flattened and are usually layered.



Flowering & Cup

Includes all corals that the corallites appear independent from the rest of the colony.



Fleshy Corals

Includes all corals with a fleshy appearance; Cactus Corals

When in doubt write it out! Use the notes section to add additional information or to give a better description of the bleaching you saw.



BleachWatch VI Report Instructions (Side 2)

Side 2 of the datasheet is for those who want to report on other impacts that might be affecting corals. It's important to comment on the amount of corals affected and the types of corals affected. Use the notes section for any further clarification.

Similar to estimating how many corals were affected by bleaching, it is also good to know how many corals were affected by any other impacts reported. **Be sure to include a percentage and types of coral affected for each impact!**

BleachWatch VI Report (side 2) ADDITIONAL DATA

Check the boxes below if you saw any of the following impacts to corals. For each impact, please indicate:

- **Percentage of corals affected across your site** [Low (1-10%), Medium (11-50%), High (51-90%), Extreme(>90%)]
- **Types of coral that were most impacted** [Brain, Branching/Pillar, Fleshy, Flowering/Cup, Leaf/Plate/Sheet, Mound/Boulder, Soft Coral, Fire Coral]

Paling (starting to lose color) Percent affected: _____
Most impacted coral types: _____

Obvious disease (distinct band or pattern) Percent affected: _____
Most impacted coral types: _____

Recent mortality (white skeleton with no tissue, maybe thin layer of algae)
Percent affected: _____ Coral types: _____

Other impact (invasive species, anchor damage, marine debris, other)
Impact: _____ Percent affected: _____
Most impacted coral types: _____

Did your site contain abundant/dominating amounts of any of the following?

- Soft Coral Fire Coral Zoanths Tunicate Mats
Macroalgae Sponge *Ramircrusta* Algae Dead coral (skeleton)

Notes: (give a brief description of what you saw or other notes about your site)

Take photos and submit data online: www.reefconnect.org/bleachwatch

Identifying the types of coral affected by each impact will help with any follow up following the impact.

Coral ID

Brain Corals:



Includes all of the following:
Brain Corals, Maze Corals,
Rose Corals

Encrusting, Mound & Boulder:



Includes all corals that often take the shape of what they grow over or the massive /boulder shaped excluding brain corals.

Branching & Pillar



Include all of the following:
Branching, Pillar, Finger-like,
Knobby

Plate, Leaf & Sheet



Includes all corals that are flattened and are usually layered.

Flowering & Cup



Includes all corals that the corallites appear independent from the rest of the colony.

Fleshy Corals



Includes all corals with a fleshy appearance; Cactus Corals

Review the training presentation or the "Coral ID and Impacts Guide" for examples of these impacts!

There is more to the reef than just hard corals—sometimes other creatures can dominate the space that corals could take up. These items don't count towards the percent coral coverage on side 1, but it is good to know if they are dominating the landscape. See the training presentation or Coral ID and impacts guide for example photos

When in doubt write it out! Use the notes section to add additional information or to give a better description of the impact you saw.



BleachWatch VI Report Instructions

Below are some helpful images to guide you in your observations. More information can be found in the BleachWatch VI training presentation or in the Coral ID and Impacts Guide on www.reefconnect.org/bleachwatch

BleachWatch ID Key

Coral ID



Brain Corals:

Includes all of the following:
Brain Corals, Maze Corals,
Rose Corals



Encrusting, Mound & Boulder:

Includes all corals that often take the shape of what they grow over or the massive /boulder shaped excluding brain corals.



Branching & Pillar

Include all of the following:
Branching, Pillar, Finger-like,
Knobby



Plate, Leaf & Sheet

Includes all corals that are flattened and are usually layered.



Flowering & Cup

Includes all corals that the corallites appear independent from the rest of the colony.



Fleshy Corals

Includes all corals with a fleshy appearance; Cactus Corals

Bleaching Guide



Disease



Predation



Other ID

Ramircrusta



Zoanthid



Estimating % Cover

