



Chagos Archipelago

Overview of 112 dive sites. Figures are averages across the sites that report them (n = sites with a value); each site's own page has its individual values. Regional summaries: [Egmont](#) / [Danger Island](#) / [Cauvin Bank](#), [Great Chagos Bank West](#) / [Brothers](#) / [Eagle](#), [Victory Bank](#) / [Great Chagos Bank North](#), [Salomon](#) / [Blenheim](#) / [Speakers Bank](#), [Peros Banhos](#).

0

5

Coral Health Index: 3.36/5



Photo: Anderson Mayfield/Coral Reef Diagnostics — [Chagos Archipelago](#) - Egmont (BIEG05)

COUNTRY

**Chagos
Archipelago**

SITES

112
each linked below

HARD CORAL COVER
(OVERVIEW MEAN)

38% ± 16% (std.
dev.)
n=112. range 4.2–86%

WATER TEMP. DURING
SURVEYS (OVERVIEW
MEAN)

29.8°C
n = 105 of 112 sites;
surveyed Mar 2015–May

CORAL HEALTH INDEX
(OVERVIEW MEAN)

3.36 / 5

n = 7 of 112 sites; 2.5 = average (above average)

CORAL BLEACHED
(OVERVIEW MEAN)

9.4%

n = 103 of 112 sites
([Mayfield & Dempsey 2026](#)).

MOST RECENT WATER
TEMPERATURE
RECORD

28.9°C

16 Sep 2026 · [Chagos](#)

MOST RECENT
HEAT STRESS
RECORD



0.0°C-weeks

16 Sep 2026 · below alert level

MEAN ANNUAL MAX
DEGREE HEATING
WEEKS (DHW), LAST 5
YEARS

4.4°C-weeks

2021–2025 · Chagos

HIGHEST ANNUAL
HEAT STRESS

17.9°C-weeks 🔥

in 2016 · Chagos

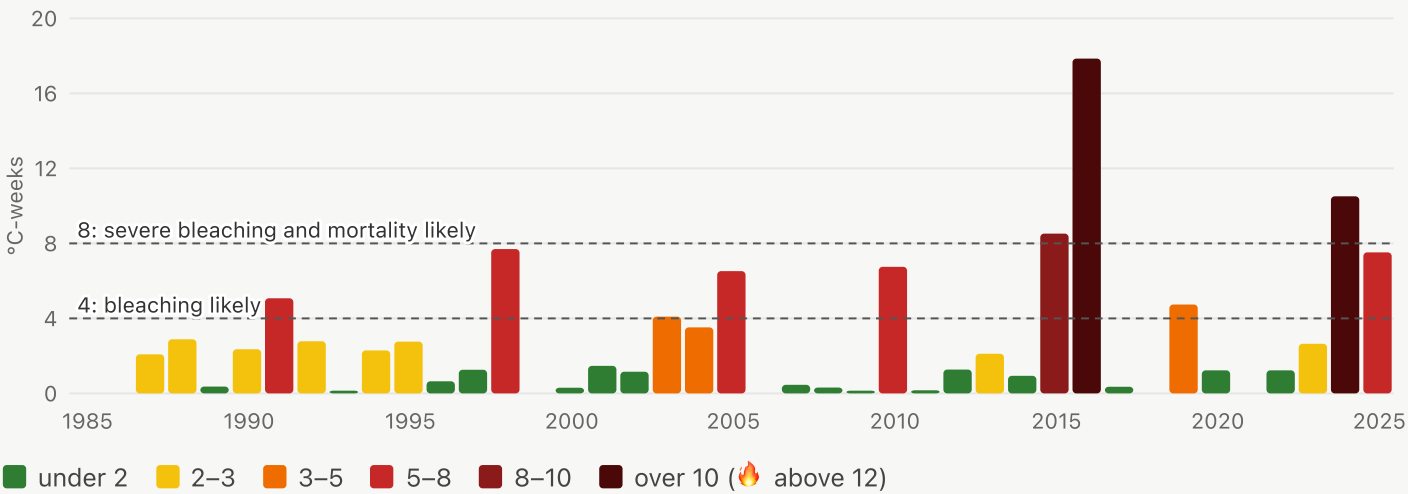
SEVERE HEAT-STRESS
YEARS

3

1985–2025 · 2 in the last 10 years

Heat-stress figures: [NOAA Coral Reef Watch](#) — [Chagos](#) 5-km virtual station. Each pill links its source record and carries the values behind it.

Heat stress, 1985–2025



Annual maximum Degree Heating Weeks, [NOAA Coral Reef Watch](#) 5-km virtual station: Chagos. DHW ≥ 4: bleaching likely; ≥ 8: severe bleaching and mortality likely. [Download the annual DHW data \(CSV\)](#).





112 sites in this region — click a marker to open that site.

Overview

Between 9 March and 3 May 2015, the [Khaled bin Sultan Living Oceans Foundation's Global Reef Expedition](#) surveyed 112 stations across the [Chagos Archipelago](#): Egmont atoll, Danger Island and Cauvin Bank; the western Great Chagos Bank, including the Three Brothers and Eagle Island; the northern Great Chagos Bank and Victory Bank; Salomon, Blenheim Reef and Speakers Bank; and [Peros Banhos](#). The Great Chagos Bank is a mostly submerged atoll of about 13,000 km², the largest atoll structure in the world (Spalding et al. 2001). The archipelago formed over the trace of the Réunion hotspot at the southern end of the Chagos–Laccadive Ridge, about 500 km from the [Maldives](#). It holds some 220 scleractinian species, including *Ctenella chagius*, which may be found nowhere else, and its remote, largely uninhabited atolls lie inside the region's largest marine protected area. Before 1998, coral typically covered 50–80% of seaward and lagoon slopes, and that year's [bleaching](#) is estimated to have removed 80–85% of it on seaward reefs.

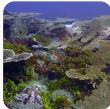
The survey ran in two legs. From 9 to 28 March the team worked Egmont, Danger Island, Cauvin Bank, and the western Great Chagos Bank (59 stations). From 14 April to 3 May it worked the northern atolls and banks: Peros Banhos (20 stations), the Nelson Island lagoon and Victory Bank (8), and Salomon, Blenheim and Speakers Bank (25). Most stations are sheltered lagoon, bank and channel reefs, with forereefs on the outer rims of the atolls and off the Brothers. Logged maximum depths ran from 11.0 m at [BIEG07](#) on Egmont to 31.2 m at [BIPB75](#) on Peros Banhos and [BIVB99](#) on Victory Bank.

Hard coral cover averaged 37.9% over all 112 stations, and 26 held 50% or more. The northern atolls were richest: Peros Banhos averaged 46.6% (n = 20) and Salomon, Blenheim and Speakers Bank 45.1% (n = 25), with Speakers Bank alone at 51.7% (n = 7). Victory Bank and the northern Great Chagos Bank averaged 40.5% (n = 8), Egmont, Danger Island and Cauvin Bank 36.2% (n = 9), and the western Great Chagos Bank 30.7% (n = 50). The lowest station in Chagos was [BIDI12](#), a macroalgal meadow off Danger Island at 4.2%, followed by Cauvin Bank ([BICA01](#), 4.6%). The highest recorded value, 86.0% at [BISP96](#) on Speakers Bank, is best read as a best-patch value, as are 72.4% at [BIPB72](#) and 71% at [BISA98](#); among the rest, [BITB58](#) on the Three Brothers reached 67.0%. Most reefs are *Acropora*-led, with tiered tables and staghorn in the lagoons, while *Porites* leads on some forereefs, blue coral (*Heliopora*) dominates [BIVB99](#), and algal cover ranged from 10.3% at [BISP96](#) to 70.0% at [BICC51](#).

The expedition coincided with the onset of the 2015 bleaching. No Coral Health Index was scored in Chagos, but published bleaching values averaged 8.6% across the 99 stations that have one, rising from 6.7% on the March leg ($n = 51$) to 10.6% in April and May ($n = 48$). By region, the western Great Chagos Bank averaged 6.8% ($n = 44$) and Egmont, Danger Island and Cauvin Bank 6.2% ($n = 7$), against 10.7% at Peros Banhos ($n = 19$) and 11.0% at Salomon, Blenheim and Speakers Bank ($n = 22$). The highest values were 38.2% at [BIPB112](#) on Peros Banhos, 34.0% at [BISA84](#) and 31.5% at [BISA104](#) on Salomon's exposed forereefs. Repeat dives at Peros Banhos tracked the event directly: [BIPB69](#) rose from 0.0% on 16 April to 36.5% on 2 May, and [BIPB72](#) from 10.0% to 37.5% in 13 days, with tabular *Acropora* worst affected. Several published values do not match the photographs, in both directions. Crown-of-thorns starfish were rare except for an active outbreak at [BINI80](#), with at least eleven starfish in five frames; single animals were photographed at [BIEG02](#), [BIEA52](#) and [BITB55](#). Lesioned brain and massive corals were noted at three Danger Island stations.

What stands out is the combination of very high diversity and a reef system caught mid-bleaching. [BIBL87](#) on Blenheim carries 36 coral genera, the highest count stated for any Chagos station, and the endemic *Ctenella* was recorded on the Three Brothers, Victory Bank, Salomon, and Speakers Bank. An abandoned fishing net draped over live coral at [BISA107](#), inside the no-take protected area, was the only fishing gear recorded. Sharks were seen throughout, including silvertip, gray, and whitetip reef sharks and a tawny nurse shark, along with a reef manta ray at [BIPB66](#), hawksbill turtles and spotted eagle rays.

Highlights

- Repeat dives at Peros Banhos caught bleaching rising from 0.0% to 36.5% in about two weeks, with fields of white tables beside dark branching stands ([BIPB69](#), [BIPB72](#)). 
- The highest published bleaching in Chagos, 38.2%, with meter-scale tables gone bone-white beside pigmented neighbors ([BIPB112](#)); Salomon's forereefs followed at 34.0% and 31.5% ([BISA84](#), [BISA104](#)). 
- An active crown-of-thorns outbreak on the northern Great Chagos Bank, at least eleven starfish in five frames ([BINI80](#)). 
- Overlapping *Acropora* tables in a multi-layered canopy on Speakers Bank, with the lowest algal cover in Chagos, 10.3% ([BISP96](#)). 
- 67.0% cover on the Three Brothers, with one depth band 93% blue coral (*Heliopora*) and the next 80% *Acropora* ([BITB58](#)). 

- 36 coral genera on the Blenheim forereef, the highest count stated for any Chagos station ([BIBL87](#)).



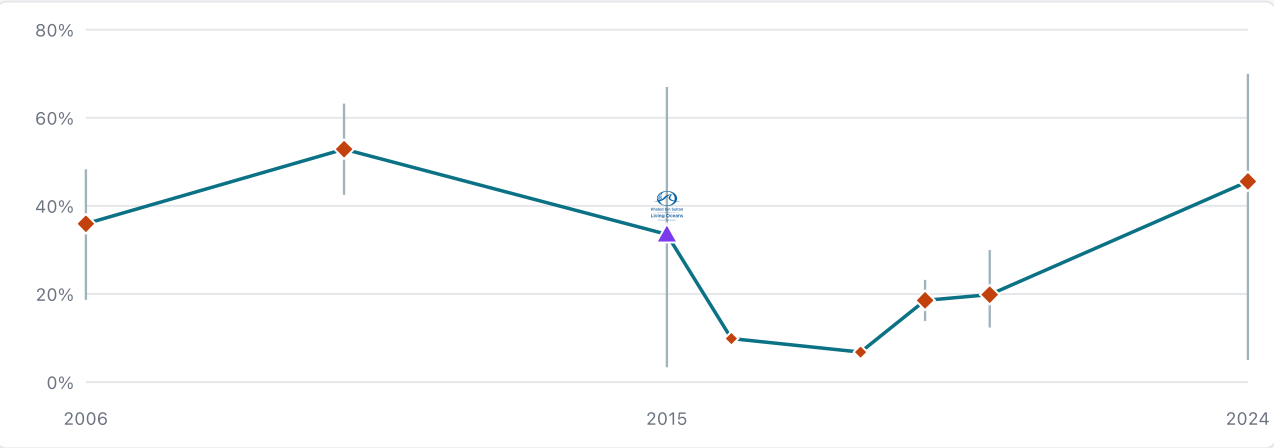
- A single dive recorded the full bleaching sequence on tabular *Acropora* on Egmont, from healthy tissue to freshly dead skeleton ([BIEG05](#)).



► **Notable observations (14)**

Coral cover over time (pooled)

One point per year: the mean of every hard coral cover value available for this region that year — Anderson’s own dives and every independent survey station within 5 km of them. The vertical bar is the full range behind that mean. Different programs use different methods at different stations, so this is a regional summary, not a single comparable series. Eight values above 70% were excluded as best-patch figures rather than site means. Years resting on fewer than three values are drawn as smaller points (2016, 2018). Non-CRD/LOF points are from [XL Catlin Seaview Survey \(University of Queensland\)](#). Marker shape: ● his own dives, ◆ other organizations’ surveys, ▲ a mix of both, that year,  the year includes his [Global Reef Expedition](#) dives with the [Khaled bin Sultan Living Oceans Foundation](#) (CRD+LOF data).



► **Sites in this region (112)**

% coral cover by method

Pooled across 104 dive sites

Method	Mean % coral cover	Std. dev. between dive sites	n dive sites	Note
Manual point count (author)	34.0%	±13	28	frame-weighted 40.1% over 613 frames
CoralNet automated point classifier	32.8%	±11	89	frame-weighted 34.0% over 1,895 frames

CoralSCOP (SAM-based mask-sum), edited photos	32.2%	±8.3	104	frame-weighted 33.9% over 2,498 frames
Claude (Anthropic), blind point count	26.5%	±11	104	frame-weighted 29.0% over 2,495 frames
In-house DINOv3 point classifier	30.5%	±11	104	frame-weighted 31.2% over 2,500 frames
In-water diver transect (line/point intercept)	37.7%	±16	101	—

The mean is an UNWEIGHTED mean of the dive site values — each dive site counts once, whatever its photo count — which is the convention of the published tables and of every other figure on this page. The frame-weighted alternative is given per method in the Note column; where the two differ, the difference is a photo-count imbalance, not a coral-cover finding.

Closest to the reference

Over the dive sites where an independent reference exists, Manual point count (author) sits closest to it — a mean absolute deviation of 9.5 pp across 27 dive sites, then [CoralNet](#) automated point classifier 10.5 pp (n=86), Claude (Anthropic), blind point count 13.2 pp (n=101). A mean absolute deviation is not an accuracy score: a model with a consistent offset is correctable, while one with the same deviation scattered in both directions is not.

By dive site

Dive site	Manual point count	CoralNet	CoralSCOP (edited)	Claude	DINOv3	Diver transect	coralscapes_v1	coralscapes
BIBL82	17.5% n=4	27.6% n=18	35.8% n=22	28.3% n=22	26.1% n=22	37.9%	42.0% n=22	50.2% n=22
BIBL83	20.8% n=9	25.6% n=6	40.7% n=15	23.8% n=15	24.7% n=15	33.1%	42.2% n=15	45.2% n=15
BIBL86	—	31.9% n=27	25.1% n=27	34.4% n=27	36.0% n=27	47.2%	50.5% n=27	49.4% n=27
BIBL87	—	27.9% n=35	29.5% n=35	30.3% n=35	34.0% n=35	40.6%	41.5% n=35	48.0% n=35
BICC35	—	17.0% n=15	20.5% n=15	6.7% n=15	13.1% n=15	13.8%	21.0% n=15	23.9% n=15
BICC36	—	19.4% n=15	24.7% n=15	6.4% n=15	18.2% n=15	5.8%	21.0% n=15	26.5% n=15
BICC50	—	29.4% n=11	28.8% n=11	15.7% n=11	30.0% n=11	12.1%	36.9% n=11	48.0% n=11
BICC51	—	21.9% n=17	27.5% n=17	20.7% n=17	24.1% n=17	15.4%	26.9% n=17	28.4% n=17
BIDI08	—	36.4% n=35	38.9% n=35	35.2% n=35	29.1% n=35	59.0%	50.2% n=35	53.1% n=35

BIDI09	—	38.0% n=30	32.2% n=30	33.6% n=30	23.6% n=30	37.7%	56.2% n=30	61.0% n=30
BIDI10	—	27.1% n=13	32.9% n=13	22.5% n=13	16.2% n=13	23.0%	44.2% n=13	49.4% n=13
BIDI12	—	10.4% n=14	17.9% n=14	2.9% n=14	11.0% n=14	4.2%	8.2% n=14	10.0% n=14
BIDI13	—	20.5% n=11	24.9% n=11	17.8% n=11	18.2% n=11	7.8%	22.0% n=11	23.5% n=11
BIDI14	—	23.5% n=9	30.3% n=9	19.2% n=9	21.9% n=9	15.2%	26.7% n=9	26.2% n=9
BIDI15	—	24.6% n=9	20.6% n=9	36.4% n=9	37.0% n=9	20.1%	45.3% n=9	48.3% n=9
BIDI16	—	25.6% n=13	30.9% n=13	24.4% n=13	22.3% n=13	30.4%	32.2% n=13	35.6% n=13
BIEA18	—	22.3% n=35	28.1% n=35	17.7% n=35	14.6% n=35	20.7%	32.9% n=35	32.4% n=34
BIEA19	—	27.2% n=14	39.2% n=14	30.8% n=14	25.5% n=14	27.5%	41.9% n=14	44.8% n=14
BIEA20	—	24.6% n=19	27.1% n=19	22.2% n=19	16.0% n=19	10.8%	30.8% n=19	35.4% n=19
BIEA22	—	49.2% n=23	50.0% n=23	30.8% n=23	44.8% n=23	21.6%	44.0% n=23	46.1% n=23
BIEA23	—	35.7% n=24	39.5% n=24	28.5% n=24	28.8% n=24	24.6%	43.8% n=24	49.2% n=24
BIEA24	—	40.6% n=11	39.2% n=11	37.4% n=11	41.2% n=11	12.7%	48.5% n=11	49.3% n=11
BIEA25	—	29.5% n=19	29.8% n=19	16.4% n=19	25.6% n=19	15.7%	31.1% n=19	32.8% n=19
BIEA26	—	21.0% n=30	27.2% n=30	14.5% n=30	14.1% n=30	21.0%	23.3% n=30	28.4% n=30
BIEA52	—	38.1% n=22	39.1% n=22	34.5% n=22	21.8% n=22	34.1%	49.6% n=22	50.0% n=22
BIEG02	25.5% n=21	—	23.7% n=21	18.2% n=21	23.7% n=21	31.8%	31.1% n=21	34.5% n=21
BIEG03	23.9% n=36	—	25.7% n=36	16.6% n=36	18.4% n=36	37.3%	31.5% n=36	34.0% n=36
BIEG04	33.9% n=19	—	28.2% n=19	25.9% n=19	35.1% n=19	29.2%	36.4% n=19	38.7% n=19
BIEG05	40.7% n=35	57.8% n=24	41.4% n=59	39.1% n=59	40.2% n=59	46.7%	61.2% n=59	63.6% n=59
BIEG06	—	44.2% n=30	22.6% n=30	31.6% n=30	34.0% n=30	43.5%	46.0% n=30	46.5% n=30
BIEG07	40.6% n=8	—	26.8% n=8	28.5% n=8	56.7% n=8	47.5%	30.9% n=8	33.5% n=8

BINI77	—	29.8% n=11	33.5% n=11	25.7% n=11	26.1% n=11	43.0%	38.2% n=11	41.1% n=11
BINI78	—	24.4% n=16	28.4% n=16	24.8% n=16	29.0% n=16	19.1%	26.9% n=16	28.6% n=16
BINI79	—	19.4% n=15	21.2% n=15	17.9% n=15	21.6% n=15	31.5%	27.2% n=15	25.0% n=15
BINI80	37.6% n=10	26.8% n=14	34.9% n=24	29.4% n=24	36.9% n=24	42.8%	42.4% n=24	45.9% n=24
BIPB110	—	36.6% n=45	36.7% n=44	29.5% n=45	36.6% n=45	39.3%	44.3% n=43	49.6% n=43
BIPB112	43.6% n=14	—	37.7% n=14	28.7% n=14	44.3% n=14	45.0%	50.6% n=14	55.0% n=14
BIPB114	29.0% n=22	34.4% n=7	35.2% n=29	20.0% n=29	31.7% n=29	39.6%	37.0% n=29	38.5% n=29
BIPB60	38.8% n=38	—	41.9% n=38	29.5% n=38	33.4% n=38	42.2%	55.5% n=38	57.2% n=38
BIPB61	17.9% n=14	—	32.5% n=14	17.0% n=14	22.1% n=14	20.0%	41.0% n=14	43.0% n=14
BIPB62	48.0% n=19	—	31.6% n=19	33.6% n=19	35.3% n=19	59.6%	57.6% n=18	57.5% n=18
BIPB63	46.9% n=29	—	38.4% n=29	35.0% n=29	33.3% n=29	56.0%	66.2% n=29	66.7% n=29
BIPB64	22.7% n=21	—	33.3% n=21	22.8% n=21	26.2% n=21	31.2%	34.3% n=21	41.4% n=21
BIPB65	32.9% n=19	—	27.5% n=19	30.3% n=19	32.3% n=19	41.4%	52.3% n=19	54.9% n=19
BIPB66	12.5% n=6	—	28.8% n=6	2.3% n=6	26.1% n=6	7.0%	41.9% n=6	40.9% n=6
BIPB67	36.4% n=41	—	29.5% n=41	26.1% n=41	33.8% n=41	41.9%	49.3% n=41	52.2% n=41
BIPB68	44.9% n=43	—	39.2% n=43	36.8% n=43	38.5% n=43	55.0%	71.9% n=43	73.8% n=43
BIPB69	54.2% n=110	56.1% n=6	42.6% n=116	39.1% n=116	47.4% n=116	64.7%	74.4% n=116	75.4% n=116
BIPB70	45.4% n=28	45.1% n=27	35.7% n=55	34.9% n=55	40.2% n=55	60.3%	56.6% n=55	59.5% n=55
BIPB72	50.5% n=41	56.1% n=34	39.9% n=75	44.3% n=75	49.2% n=75	72.4%	64.4% n=75	69.0% n=75
BIPB73	—	45.2% n=45	46.9% n=45	37.6% n=45	45.3% n=45	50.1%	48.0% n=45	50.6% n=45
BIPB74	39.3% n=8	56.0% n=13	47.1% n=21	51.1% n=21	48.9% n=21	62.4%	64.5% n=21	65.9% n=21
BIPB75	—	39.2% n=9	43.7% n=9	32.4% n=9	42.2% n=9	43.9%	51.0% n=9	56.5% n=9

BIPB76	—	29.9% n=20	29.0% n=20	20.9% n=20	31.5% n=20	35.9%	34.7% n=20	39.8% n=20
BISA102	—	31.1% n=27	34.4% n=27	21.5% n=27	30.1% n=27	30.9%	33.2% n=27	34.7% n=27
BISA103	—	28.4% n=19	36.1% n=19	30.1% n=19	37.2% n=19	32.5%	40.5% n=19	44.5% n=19
BISA104	—	44.2% n=16	41.0% n=16	35.7% n=16	45.6% n=16	36.2%	46.0% n=16	50.6% n=16
BISA105	—	23.8% n=19	23.4% n=19	27.8% n=19	36.0% n=19	50.3%	41.8% n=19	47.0% n=19
BISA107	—	18.0% n=12	21.7% n=12	18.5% n=12	20.6% n=12	24.6%	32.1% n=12	41.2% n=12
BISA84	25.8% n=2	16.7% n=5	40.1% n=7	17.5% n=7	28.6% n=7	48.8%	35.3% n=7	34.3% n=7
BISA88	—	45.8% n=13	43.4% n=13	42.7% n=13	54.1% n=13	56.7%	55.3% n=13	59.9% n=13
BISA91	—	46.7% n=13	44.0% n=13	40.3% n=13	55.6% n=13	52.4%	58.0% n=13	64.8% n=13
BISA92	—	29.4% n=39	29.0% n=39	18.8% n=39	25.6% n=39	24.5%	33.1% n=39	34.3% n=39
BISA93	—	38.7% n=27	26.4% n=28	33.0% n=27	26.4% n=28	39.1%	58.3% n=26	61.0% n=27
BISA94	—	47.4% n=2	21.4% n=2	23.1% n=2	56.7% n=2	40.3%	43.5% n=2	63.2% n=2
BISA97	—	51.1% n=12	29.4% n=12	51.1% n=12	49.7% n=12	54.4%	67.8% n=12	69.3% n=12
BISP100	—	21.7% n=7	27.0% n=7	31.9% n=7	34.8% n=7	53.9%	42.2% n=7	43.2% n=7
BISP101	—	39.1% n=13	32.6% n=13	23.0% n=13	32.1% n=13	50.0%	42.2% n=13	43.5% n=13
BISP89	—	17.2% n=13	27.6% n=13	19.9% n=13	21.5% n=13	33.2%	28.6% n=13	29.9% n=13
BISP90	—	27.6% n=8	37.9% n=8	24.7% n=8	30.8% n=8	39.8%	41.6% n=8	43.2% n=8
BISP95	—	21.9% n=26	23.1% n=25	17.8% n=26	20.4% n=26	56.9%	28.0% n=26	27.6% n=26
BISP96	—	55.6% n=18	48.2% n=18	51.5% n=18	49.3% n=18	86.0%	69.0% n=18	72.7% n=18
BITB27	—	34.5% n=16	37.5% n=16	23.8% n=16	24.4% n=16	36.6%	45.9% n=16	47.8% n=16
BITB28	—	26.9% n=43	29.0% n=43	18.5% n=43	20.2% n=43	28.5%	33.5% n=43	37.5% n=43
BITB29	—	29.6% n=49	25.9% n=49	18.5% n=49	23.7% n=49	30.2%	39.5% n=49	42.1% n=49

BITB30	—	29.9% n=12	30.3% n=12	14.0% n=12	18.3% n=12	42.5%	33.9% n=12	38.2% n=12
BITB32	—	16.7% n=19	19.9% n=19	11.7% n=19	11.8% n=19	30.3%	17.9% n=19	19.8% n=19
BITB33	—	20.3% n=27	22.3% n=27	7.9% n=27	11.5% n=27	18.5%	18.4% n=26	17.5% n=26
BITB34	—	41.4% n=11	46.6% n=11	37.0% n=11	34.5% n=11	61.1%	56.5% n=11	66.7% n=10
BITB37	—	37.3% n=56	42.4% n=57	29.0% n=56	29.6% n=57	38.8%	51.2% n=55	54.5% n=55
BITB38	—	33.7% n=44	31.5% n=44	26.3% n=44	28.1% n=44	56.0%	54.1% n=44	56.3% n=44
BITB39	—	40.1% n=60	44.4% n=61	36.7% n=60	31.7% n=61	50.3%	53.3% n=59	57.5% n=59
BITB40	—	28.5% n=5	30.8% n=5	23.6% n=5	22.7% n=5	44.9%	39.7% n=5	45.7% n=5
BITB41	—	31.8% n=13	39.5% n=13	24.9% n=13	31.8% n=13	41.9%	40.3% n=13	42.0% n=13
BITB42	—	31.1% n=49	35.4% n=51	22.6% n=49	24.4% n=51	36.2%	39.5% n=50	42.8% n=51
BITB43	—	35.9% n=12	36.6% n=12	22.3% n=12	14.7% n=12	28.7%	46.7% n=12	50.3% n=12
BITB44	—	33.2% n=36	38.7% n=36	26.9% n=36	29.4% n=36	40.5%	44.2% n=36	47.0% n=36
BITB45	—	44.5% n=13	36.1% n=13	33.3% n=13	39.2% n=13	45.6%	50.5% n=13	51.9% n=13
BITB46	—	27.5% n=11	31.3% n=11	18.4% n=11	15.2% n=11	25.8%	34.5% n=10	37.7% n=10
BITB47	—	43.0% n=2	33.2% n=2	25.5% n=2	35.0% n=2	53.7%	46.0% n=2	45.2% n=2
BITB53	—	35.2% n=22	27.4% n=22	23.4% n=22	30.8% n=22	36.7%	40.7% n=22	42.0% n=22
BITB54	—	34.3% n=99	30.9% n=99	29.8% n=99	20.8% n=99	49.5%	50.0% n=97	53.9% n=97
BITB55	—	43.3% n=14	38.3% n=14	33.2% n=14	33.8% n=14	47.6%	47.1% n=14	51.0% n=14
BITB56	—	19.9% n=13	18.0% n=13	19.4% n=13	20.3% n=13	21.3%	25.0% n=13	26.2% n=13
BITB57	—	44.0% n=111	36.4% n=111	43.4% n=111	33.2% n=111	40.1%	65.6% n=111	67.8% n=111
BITB58	—	31.0% n=1	29.9% n=1	31.0% n=1	40.0% n=1	67.0%	28.1% n=1	32.6% n=1
BIVB108	40.0% n=1	25.1% n=10	28.2% n=11	11.7% n=11	23.9% n=11	45.7%	23.2% n=10	18.1% n=11

BIVB109	36.7% n=1	35.0% n=32	24.9% n=33	35.0% n=33	39.0% n=33	34.7%	67.3% n=33	66.1% n=33
BIVB81	—	37.8% n=5	49.2% n=5	56.7% n=5	44.7% n=5	51.7%	60.9% n=5	63.4% n=5
BIVB99	—	20.8% n=11	18.5% n=11	35.4% n=11	24.5% n=11	55.6%	64.2% n=11	62.9% n=11
BICA01	0.0% n=1	—	0.3% n=1	0.0% n=1	3.3% n=1	4.6%	1.3% n=1	0.4% n=1
BIDI16.5	45.6% n=13	38.7% n=11	29.7% n=11	26.3% n=11	41.8% n=11	—	37.2% n=11	39.4% n=11
BIEA24.5	—	19.6% n=5	21.2% n=5	15.2% n=5	20.7% n=5	—	20.3% n=5	22.0% n=5
BITB34.5	—	47.2% n=3	33.4% n=3	21.9% n=3	53.3% n=3	—	29.2% n=3	28.6% n=3

n under each value is the number of photographs that method scored at that dive site. ⚠ marks a cell that is not an independent check.

Reference: IN-WATER DIVER TRANSECT, independent of the imagery ([Mayfield & Dempsey 2026](#), Oceans 7:1).

Denominator: line/point intercept along the transect; not a photo-point denominator. Source: published ([Mayfield & Dempsey 2026](#), Oceans 7:1, suppl. S1); formal 38.7% cover / 30.5% bleaching, tourist-diver 35.1% / 31.8% ⚠ The reference here is NOT the same instrument as at [Mauritius](#), [Oman](#), [Kenya](#) or the Red Sea. Those are point counts on the photographs; this is a diver swimming a transect. The models and the reference never saw the same thing. ⚠ SITE-LEVEL ONLY. The 2,500 frames were not associated with any transect taken within 200 m of them, so transect-vs-image comparisons are site means, never frames. The transect value is already in the pin `cover` field (109 of 112 pins, sourced to the paper's suppl. S1) and is read from there, never re-imported.

Nearby external survey stations

63 independent survey records within 5 km of a site in this region (deduplicated across sites).

► [Show all 63 records](#)

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