

Dataset_ID	Organization_Name	DataYear	GeographicArea	SurveyType	MethodOverview	% Coral Cover Data Type	
						Live	Bleached
DAR_01	DAR Hawaii	2019	Hawaii	Rapid Visual Assessments	One observer conducts single RVA at a location	Percentage	Percentage - calculated using taxa level cover and bleaching data
DAR_02	DAR Oahu	2019	Oahu	Rapid Visual Assessments	Two to three observers 10m apart simultaneously conduct RVAs along a transect	Binned	Binned
DAR_03_1	DAR Kauai	2019	Kauai	Rapid Visual Assessments	Five RVAs conducted at 10m intervals along a transect	Percentage	Percentage
DAR_03_2	DAR Kauai	2019	Kauai	Rapid Visual Assessments	Five RVAs conducted at 10m intervals along a transect	Percentage	Percentage
DAR_04_1	DAR Maui	2019	Maui	Rapid Visual Assessments	Two observers 10m apart simultaneously conduct 2-5 RVAs every 10m along a transect	Percentage	Binned
DAR_04_2	DAR Maui	2019	Maui	Rapid Visual Assessments	Two observers simultaneously conduct RVAs at the start and end of a 25m transect	Binned	Binned
DAR_04_3	DAR Maui	2019	Maui	Rapid Visual Assessments	One observer conducts single RVA at a location	Percentage	Percentage
ESD_01	NOAA ESD	2019	Hawaii, Maui, Lanai, Oahu	Rapid Visual Assessments	One observer conducts single RVA at a location	Percentage	Percentage - calculated using taxa level cover and bleaching data
ESD_02	NOAA ESD	2019	Kure, Pearl & Hermes, Lisianski, French Frigate Shoals	Rapid Visual Assessments	One observer conducts single RVA at a location	Percentage	Percentage
TNC_01	TNC Hawaii	2019	Hawaii	Rapid Visual Assessments	One observer conducts single RVA at a location	Percentage	Percentage - calculated using taxa level cover and bleaching data
SIO_01	SIO	2019	Maui	Rapid Visual Assessments	One observer conducts single RVA at a location	Percentage - calculated using taxa level cover data	Percentage - calculated using taxa level cover and bleaching data
SIO_02	SIO	2019	Maui	Retroactive RVAs	Visual assessment generated retroactively using photos and videos of survey area	Percentage - calculated using taxa level cover data	Percentage - calculated using taxa level cover and bleaching data
HIMB_01	HIMB Coral Reef Ecology Lab	2019	Oahu	Rapid Visual Assessments	One observer conducts single RVA at a location	Percentage	Percentage - sum of percent bleached and percent paled
PACN_01	PACN	2019	Hawaii	Photoquadrat Assessments	Benthic image analysis using point count identification on non-overlapping photoquads taken at 1m intervals along 25m long transects	Percentage	Percentage
ESD_03	NOAA ESD	2019	Oahu, Kure, Pearl & Hermes, Lisianski,	Photoquadrat Assessments	Benthic image analysis using point count identification on non-overlapping photoquads taken at 1m intervals along 30m long transects	Percentage	Percentage
TNC_02	TNC Hawaii	2019	Maui	Photoquadrat Assessments	Benthic image analysis using point count identification on non-overlapping photoquads taken at 1m intervals along 25m long transects	Percentage	Percentage
ASU_01	ASU Asner Lab	2019	Hawaii	Transect Intercept Assessments	Transect point surveys were used to classify benthic composition across reef substrates. Surveyors deployed one 25 m transect three times per survey at three isobaths when possible: 15 m, 10 m, and 5 m. When deeper isobaths were not accessible replicates were conducted at available isobaths. Surveyors recorded benthic composition every 0.25 m for the full 25 m transect to species level for living taxa and recorded all non-living substrate. Surveyors assessed and recorded corals as bleached and non-bleached, paling corals were marked as non-bleached. GPS coordinates were taken at the start and end of each transect with a Garmin eTrex 30x (Garmin Ltd., United States).	Percentage	Percentage
DAR_05	DAR Oahu	2019	Oahu	Photoquadrat Assessments	Benthic image analysis using point count identification on non-overlapping photoquads taken at 0.5m intervals on either side along 10m long transects (for a total of 40 images per transect). Using CoralNet, each image had 40 points overlaid for identification of the benthos.	Percentage	Percentage

Dataset ID	Bleaching Severity (Recorded Y/N)	Taxa Level Data Type				Metadata	
		Dominant Taxa Code	Dominant Taxa % Cover	Dominant Taxa % Bleached	Dominant Taxa Severity	Depth	Survey Coordinates
DAR_01	Y	Recorded per survey	Percentage recorded per survey	Percentage recorded per survey	Average	Recorded per survey	Recorded per survey
DAR_02	N	Most dominant across all surveys per transect per observer	Not recorded	Not recorded	Not recorded	Average across all surveys per transect per observer	Recorded per survey
DAR_03_1	N	Most dominant species along transect recorded	Not recorded	Not recorded	Not recorded	Average per transect recorded	Recorded per survey
DAR_03_2	N	Most dominant species along transect recorded	Not recorded	Not recorded	Not recorded	Average per transect recorded	Recorded per survey
DAR_04_1	N	Most dominant across all surveys per transect per observer	Percentage; recorded as average observed across all surveys per transect per observer	Not recorded	Not recorded	Average across all surveys per transect per observer	One waypoint taken per pair of observers 10m apart
DAR_04_2	N	Recorded per survey	Percentage recorded per survey	Not recorded	Not recorded	Recorded per survey	Recorded at beginning of 25m transect
DAR_04_3	Y	Recorded per survey	Percentage recorded per survey	Not recorded	Not recorded	Recorded per survey	Recorded per survey
ESD_01	Y	Recorded per survey	Percentage recorded per survey	Percentage recorded per survey	Average and Maximum	Recorded per survey	Recorded per survey
ESD_02	Y (Note: only levels 1-3 recorded)	Recorded per survey	Not recorded	Not recorded	Not recorded	Recorded per survey	Recorded per survey
TNC_01	Y	Recorded per survey	Percentage recorded per survey	Percentage recorded per survey	Average and Maximum	Recorded per survey	Recorded per survey
SIO_01	N	Recorded per survey	Percentage recorded per survey	Percentage recorded per survey	Average	Recorded per survey	Recorded per survey
SIO_02	N	Recorded per survey	Percentage recorded per survey	Percentage recorded per survey	Average	Recorded per survey	Recorded per survey
HIMB_01	Y	Recorded per survey	Percentage recorded per survey	Not recorded	Not recorded	Recorded per survey	Recorded per survey
PACN_01	N	Recorded per survey	Percentage recorded per survey	Percentage recorded per survey	Not recorded	Recorded per survey	Recorded per survey
ESD_03	N	Recorded per survey	Percentage recorded per survey	Percentage recorded per survey	Not recorded	Recorded per survey	Recorded per survey
TNC_02	N	Recorded per survey	Percentage recorded per survey	Percentage recorded per survey	Not recorded	Recorded per survey	Recorded per survey
ASU_01	N	Recorded per survey	Percentage recorded per survey	Percentage recorded per survey	Not recorded	Recorded per survey	Recorded per survey
DAR_05	N	Recorded per survey	Percentage recorded per survey	Percentage recorded per survey	Not recorded	Recorded per survey	Recorded per survey

Dataset ID	Area Surveyed m2	Total Area Surveyed m2	Supplier Of Dataset	Owner Of Record For Dataset	Data Authors	Method Name
DAR_01	100	2700	Lindsey Kramer	Lindsey Kramer	Courtney Couch, Lindsey Kramer	DAR Kona Bleaching Methods 2019
DAR_02	78.5	65861.5	Kendall Tucker	Paul Murakawa	Trevor Johannsen, Wesley Dukes, Natalie Dunn, Kimberly Fuller, Daniel Lager, Kazuki Kageyama, Jake Reichard, Mia Melamed, Debra Ford, Anita Tsang, Hanalei Hoopai-Sylva, Cathrine Gewecke, Kirk Deitschman, Edward Kekoa	DAR Coral Bleaching Protocol 2019
DAR_03_1	250	5000	Cameron Shayler	Cameron Shayler	Ka'ilikea Shayler, McKenna Allen, Heather Ylitalo-Ward, Kimberly Fuller	DAR Coral Bleaching Protocol 2019
DAR_03_2	393	98250	Cameron Shayler	Cameron Shayler	Ka'ilikea Shayler, McKenna Allen, Heather Ylitalo-Ward, Kimberly Fuller	DAR Coral Bleaching Protocol 2019
DAR_04_1	78.5	4082	Tatiana Martinez	Russell Sparks	Kristy Stone, Tatiana Martinez, Linda Castro, Cole Peralto, Russell Sparks, Dylan Simonson, Jessica Talbot, Adam Wong, Jeannine Rossa, Itana Silva	DAR Coral Bleaching Protocol 2019
DAR_04_2	78.5	15072				DAR Coral Bleaching Protocol 2019
DAR_04_3	78.5	16328				NOAA Coral Bleaching Surveys SOP 2019
ESD_01	100-154	20874	Morgan Winston	Morgan Winston	Ari Halperin, Brittany Huntington, Bernardo Vargas-Angel, Courtney Couch, Mollie Asbury, Morgan Winston, Rhonda Suka, Tom Oliver	NOAA Coral Bleaching Surveys SOP 2019
ESD_02	154	7084			Ari Halperin, James Morioka, Joao Garriques, Hannah Barkley, Tate Wester, Noah Pomeroy, Morgan Winston, Kerry Reardon	NOAA Coral Bleaching Surveys SOP 2019
TNC_01	100	9500	Julia Rose	Eric Conklin	Courtney Couch, Julia Rose, Anita Tsang, Chelsie Counsell	NOAA Coral Bleaching Surveys SOP 2019
SIO_01	100	400	Brian Zgliczynski	Brian Zgliczynski	Samantha Clements, Orion McCarthy	NOAA Coral Bleaching Surveys SOP 2019
SIO_02	100	100	Brian Zgliczynski	Brian Zgliczynski	Samantha Clements, Orion McCarthy	NOAA Coral Bleaching Surveys SOP 2019
HIMB_01	100	3500	Kuulei Rodgers	Kuulei Rodgers	Kuulei Rodgers, Keisha Bahr	Bahr et al. 2015, Bahr et al. 2017
PACN_01	25	750	Kelly Kozar	Ryan Monello	Sheila McKenna, Amanda McCutcheon	PACN NPS Coral Bleaching Overview 2019
ESD_03	30	5010	Morgan Winston	Morgan Winston	Paula Misa, Cristi Richards	NOAA Coral Bleaching Surveys SOP 2019
TNC_02	25	850	Dwayne Minton	Eric Conklin	Dwayne Minton	Survey of Marine Resources at Kipahulu, Maui 2019
ASU_01	25	5150	Asner Lab ASU	Asner Lab ASU	Bryant Grady	
DAR_05	10	120	Kimberly Fuller	Paul Murakawa	DAR AIS	DAR Mitigation Monitoring Protocol (DRAFT); DAR CoralNet Protocol