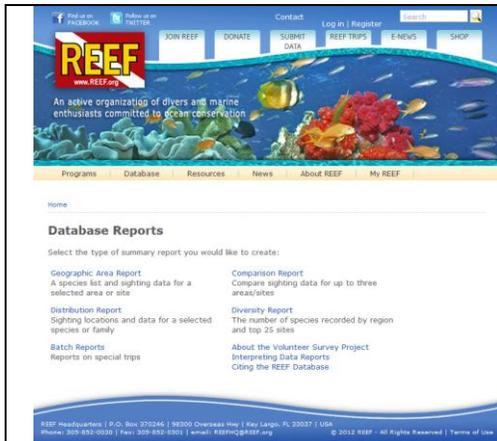




Digging Into Data Cheat Sheet

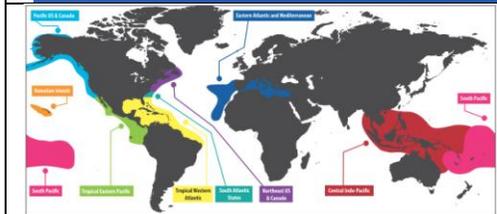
Fishinar 11/2/2016, Janna Nichols and Ellie Splain – Instructors

Questions? Feel free to contact janna@REEF.org



Home Base for all kinds of reports

From REEF.org,
click on **Database** tab,
then **Explore the Database**.

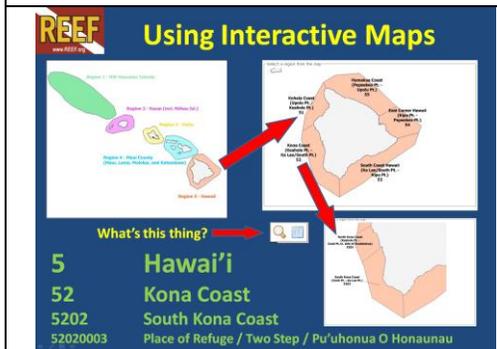


Scenario 1 – The Dive Trip

Select **Geographic Area Report**

Select Region from dropdown menu → Go

Click on maps, or type in either name or number into the search bar



Using Interactive maps

Clicking on the labels found on some maps often lead you to more detailed maps.

If you see a **magnifying glass icon** when you hover your mouse over a label, it indicates a more detailed map is available.

If you see a **chart icon**, it means you can click on that to view a detailed list.



How Zone Codes Work

Select region first: TWA, CAL/PNW, HAW, TEP, SOP, NE, SAS, CIP

Regions are divided into numbered sub-regions

Use interactive maps, or type name or enter 1-8 digits in search box

Zones are arranged in hierarchal order

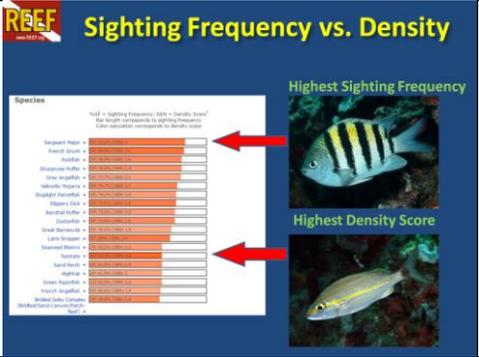
Dive sites are always 8 digits long

Geographic Zone Report

Printer-friendly version
 Select region:
 Region:
 Enter geographic zone code:
 Geographic zone code:
 2|3|4|5
 Type the name of the site or zone you would like to report on, or the REEF geographic zone code if you know it
 Start Date:
 Jan 1 1993
 End Date:
 Nov 1 2016

Getting a List of Fish found in a Region or Dive Site

Start with a Geographic Area Report. Display a list of fish by entering a 1, 2, 4 or 8 digit code in the search box. You can also search for multiple areas by using the vertical bar as separators in your search. ie: 2|3|4|5



Sighting Frequency vs. Density

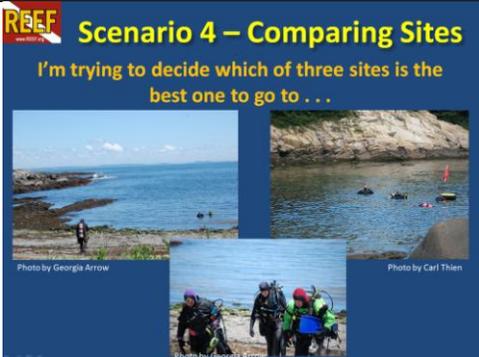
The longer bars represent higher sighting frequencies, with the most frequently seen fish at the top of the list. The darker orange bars represent higher density scores. (1-4, correlating with Single(1), Few(2), Many(3), Abundant(4).

Distribution Report

Printer-friendly version
 Species or Family ID:
 Choose a species or family to report on
 Species ID: 0033 Family ID:
 Species List:
 Multiband Butterflyfish
 Orange Butterflyfish
 Oval Butterflyfish
 Raccoon Butterflyfish
 Reticulated Butterflyfish
 Saddleback Butterflyfish
 Spotted Butterflyfish
 Teardrop Butterflyfish
 Butterflyfish
 Family List:
 Anchoves
 Angelfish
 Arrowhead (boxfish)
 Barracuda
 Bigeye
 Blenny
 Bonafish
 Boxfish
 Butterflyfish
 Show: common names
 Date range:
 Specify a starting and ending date for the distribution report
 Start Date: Jan 1 1993 End Date: Nov 8 2016

Distribution Reports can help you find fish

Select your region
 Start typing the name of the fish you want in the box
 Highlight it, select the dates you want, then submit.
 Note you won't get site-specific info, just regional info.



Use the database to find good sites to dive

Do a Geographic Area Report for the area you're interested in.
 Look at which sites have the most surveys done on them. This likely indicates good access and good marine life.
 Jot down the zone codes for 3 sites you'd like to compare.

Species

%SF = Sighting Frequency; DEN = Density Score

Rank	Common Name	Total		91010901		91010905		91010909	
		SF%	DEN	SF%	DEN	SF%	DEN	SF%	DEN
1	Cunner	66.9	3	74.5	3.1	66.7	2.9	58.3	3
2	Winter Flounder	62.5	1.9	63.1	2.1	59.5	1.7	66.5	2
3	Striped Bass	43.1	1.8	40.8	1.8	40.7	1.8	49.6	1.9
4	Pollock	32.8	2.5	24.6	2.3	42.5	2.6	27.3	2.4
5	Winter Skate	29	1.7	27.9	1.8	32.2	1.7	25.2	1.6
6	Rock Gunnel	25.5	1.5	27	1.6	25.5	1.5	23.7	1.4
7	Windowpane Flounder	24.4	1.6	33.3	1.8	26.7	1.5	10.1	1.6
8	Grubby Sculpin	23.6	1.8	31.8	1.9	15.6	1.6	26.3	1.8
9	Sea Raven	17.5	1.2	19.2	1.3	19.1	1.2	12.9	1.2
10	Summer Flounder	16.3	1.8	24.6	2	13.6	1.6	10.4	1.8
11	Little Skate	15.3	1.8	15.6	2	12	1.6	20.1	1.7
12	American Lobster	14.9	2.5	17.4	2.4	11	2.6	18	2.6
13	Shorthorn Sculpin	11.6	1.4	9.3	1.3	14	1.4	10.4	1.4
14	Atlantic Rock Crab	11.2	2.5	12.9	2.4	8.3	2.7	13.7	2.4
15	Black Sea Bass	11.1	1.7	12	1.9	8.7	1.5	13.7	1.8
16	Skate sp. (unidentified)	10.1	1.7	9.9	1.8	10.1	1.6	10.4	1.6
17	Sea Lettuce	9.6	2.7	9.9	2.7	7.6	2.4	12.2	2.8
18	Northern Pipefish	8.3	1.7	7.2	1.5	5.7	1.8	13.7	1.7
19	Atlantic Cod	8.1	1.8	8.7	1.9	5.1	2	12.2	1.6
20	Jonah Crab	8	2.2	10.2	2.3	5.5	2.2	9.4	2
21	Noon Snail	7.6	1.9	14.4	1.9	5.3	1.8	2.9	1.9

Comparing 3 sites

Do a Comparison Report for the 3 sites you found in the previous step.
 Look for species you might want to see and at which of your 3 sites they are seen more frequently.

