

## **Digging Into Data Cheat Sheet**

Fishinar 11/2/2016, Janna Nichols and Ellie Splain – Instructors Questions? Feel free to contact janna@REEF.org

Conclast	Home Base for all kinds of reports
	From REEF.org,
entivaistas computed to device status ingline entivaistas computed to gener observation	click on <b>Database</b> tab,
Programs Database Resources News About REEF My REEF	then <i>Explore the Database</i> .
Norre	
Select the type of summary report you would like to create:	
Geographic Area Report     Companies Manon Heport     Companies     Companies Manon Heport     Companies     Companies Manon Heport     Companies     Companies Manon Heport     Companies     Compan	
Sighting locations and data for a selected species or family Batch Reports About the Volunteer Survey Project	
Reports on speculi orga Enterprising Gata Reports Citing the REEF Database	
6107 Madapateus I 5-0, Bio 27(2)46   48200 Coverant Nay   Key Leaph, R. 20027   UAA Minus 203 252 0020   Faux 203 2622   12:1   awaki HBMG((AMF ang	
	Scenario 1 – The Dive Trip
	Select <b>Geographic Area Report</b>
	Select Region from dropdown menu $\rightarrow$ Go
	Click on maps, or type in either name or number into the
	search bar
REF Using Interactive Mans	Using Interactive mans
	Clicking on the labels found on some mans often load you to
Aper 2: Aper (2) At Man (2)	Clicking on the labels found on some maps often lead you to
The second secon	more detailed maps.
Hand the second s	If you see a <i>magnifying glass icon</i> when you hover your
What's this thing?	mouse over a label, it indicates a more detailed map is
5 Hawai'i	available.
52 Kona Coast 5202 South Kona Coast	If you see a <i>chart icon</i> , it means you can click on that to
52020003 Place of Refuge / Two Step / Pu'uhonua O Honaunau	view a detailed list.
Pressue Internet Context Log in (Repeter     Section 20)     Repeter     Section 20)	How Zone Codes Work
	Select region first: TWA, CAL/PNW, HAW, TEP, SOP, NE, SAS,
entiusiasis committes to generation	CIP
Programs Database Resources News About REEF My REEF	Regions are divided into numbered sub-regions
nome - Cutalesse Reports Geographic Zone Report	Use interactive maps, or type name or enter 1-8 digits in
Pentar-friendly version Select: Region: Tropion Versen Atlant:	search box
Tropical Weeter Adamic Caldrians, PacKit kothweet and Alasia Invision Tropical Genters Pecific	Zones are arranged in hierarchal order
sourt monte Montes US and Eastern Candoa 1 Sourh Rohmes US and Eastern Candoa 2 Sourh Rohmes State Contrait Inde Practic © 2012 2027 - All Rights Reserved   Terms of Une mail: 82279-02812 (2027 - All Rights Reserved   Terms of Une "Candoa Tudo Practic	Dive sites are always 8 digits long

Geographic Zone Report         Pintar-Needdy version         Select region         Region: Hewait         Change         Enter geographic zone code         Geographic zone code         201413         Type the remo of the ate or zone you would like to report on, or the REEP geographic zone code if you know it         Start Date:         Jon * 1       1913 •         End Date:         Inv * 1       2014 •         Generate Regent	<b>Getting a List of Fish found in a Region or Dive Site</b> 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 Frequencies Sighting Frequency vs. Density Sighting Frequency Sighting	<b>Sighting Frequency vs. Density</b> 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).
Plane-Mardy varie         Plane-Mardy varie <t< th=""><td><b>Distribution Reports can help you find fish</b> 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.</td></t<>	<b>Distribution Reports can help you find fish</b> 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.
Scenario 4 – Comparing Sites         In trying to decide which of three sites is the best one to go to         Image: Strain	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 <sup>2</sup> Rank         Connor         Total         D1010901         91010905         91010907           1         Cunner         66.9         74.5         3.1         65.7         2.9         58.3         3           2         Winter Flounder         62.5         1.9         63.1         2.1         59.7         2.9         58.3         3           2         Winter Flounder         62.5         1.9         63.1         2.1         59.7         2.9         58.3         3           3         Striped Bass         43.1         1.8         40.8         40.7         1.8         40.5         1.9           4         Pollock         32.6         2.4         6.3         32.2         1.7         2.5         1.6         6         Rock Gunnel         2.4         1.4         6.3         2.5         2.4         2.3         1.6         2.5         1.6         2.5         1.6         2.6         1.3         1.6         1.0         1.6         1.4         4.4         4.4         4.4         4.4         6.1         2.5         1.7         2.4         2.5         1.6	<b>Comparing 3 sites</b> 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.

Scenario 5 – Special Projects         Where can I find reports from survey projects and Field Survey trips done years ago?         Image: Straight of the s	Special Projects and Field Survey Trip Reports Select Batch Reports Select the region Then select the year from the pulldown menu You'll see a selection of available reports
And	<b>Testing Tips</b> Print out a geographic area report for more than one region using the   mark as explained previously. Change from <b>chart view</b> to <b>table view</b> . Then you'll have a numbered list from which to study.
Scenario 7 – Population Trends How can I see the change in populations for a particular fish/invertebrate over the years? Note: things to consider – survey effort	<ul> <li>Looking at Population Trends</li> <li>Select Distribution Report.</li> <li>Select your region and the species you'd like to know about.</li> <li>Change the date parameters to look at a year at a time. (Jan 1<sup>st</sup> – Dec 31<sup>st</sup>).</li> <li>Note or jot down the Sighting Frequency for that species within the area. Then search for subsequent years.</li> <li>Keep in mind the number of surveys (N) in your yearly samplings. (Survey Effort). Years with few surveys might not be a good representation.</li> </ul>
<image/> <section-header></section-header>	<b>Exporting Data</b> When looking at results, switch from chart view (the orange bar graphs) to table view (columns of numbers). Then highlight and copy the text, and paste into a plain text file. You can then directly copy/paste this text file into a spreadsheet. And then sort to your heart's content!
<image/>	<ul> <li>Don't Forget Your Own Data! (hint: Make sure you're logged in first)</li> <li>My REEF: Summary of membership, surveys completed in which regions, summary of experience levels.</li> <li>My Survey Log: Chronological summary of your submitted surveys, species counts on each dive, etc. Click survey number to examine specific surveys.</li> <li>My Data: Summary of all the fish/Invertebrates you've seen in each REEF region</li> </ul>