Texas Coastal Fish Gut Round-Up!

Dr. James Simons of TAMUCC's Center for Coastal Studies, is in need of your assistance. We are studying the diets of reef and pelagic fishes in the western Gulf of Mexico. These data will be used to improve models used to advise fisheries managers in the Gulf. We are sorely lacking data for most of the species listed on the back of this fact sheet. We are working with charter boat operators in Port Aransas to collect fish, but we invite individual citizen scientists and fishermen to join in!!

We need what you throw out -- the stomach and intestinal tract of various species of fish (see list of species on back), for diet analysis, and about an inch of the muscle tissue from the back (see diagram on back) for stable isotope analysis. Place the items in a plastic zip-loc bag, and place them on ice or in a freezer. In addition to the digestive tract and a piece of tissue, we ask for you to provide the following:

- common (or species) name;
- a photo of the fish (if possible);
- fish length (total length);
- weight (if possible);
- location caught (GPS or general description of fished area);
- method used (i.e, rod and reel etc.).

We are attempting to get at least 30 stomachs for each of the species listed on the back.

We have a very specific list of fish species that we need which can be found on our webpage $\frac{\text{http://gomexsi.tamucc.edu/Texas-coastal-fish-gut-round-up/}}{\text{facebook,}}$ on the list on the back of this fact sheet.

If you would like to contribute to this study please contact:

• Dr. James Simons 361-825-3223 james.simons@tamucc.edu

• Aaron Baxter 361-825-3659 aaron.baxter@tamucc.edu

• Tracy Weatherall tracyweatherall@me.com

The study area extends from Port O'Connor to Port Mansfield, to about 100 miles offshore (see map on webpage). Please arrange to drop the materials at the Center for Coastal Studies, or we are willing to travel on a limited basis (and even filet the fish) for a maximum of 100 miles from the Texas A&M-Corpus Christi University campus to collect significant numbers of stomachs and tissues.

Contributors to this project will be recognized with your name (with consent) on our online GoMexSI webpage. We will also keep a log of statistics on which fish we have stomachs for, and how many.

If you would like to contribute or have any questions please call us or send an email at one of the previously listed addresses.

We can't do it without the support of people like you!

Common Name	Scientific Name	Common Name	Scientific Name
goldface tilefish	Caulolatilus chrysops	mutton snapper	Lutjanus analis
blackline tilefish	Caulolatilus cyanops	blackfin snapper	Lutjanus buccanella
anchor tilefish	Caulolatilus intermedius	red snapper	Lutjanus campechanus
blueline tilefish	Caulolatilus microps	cubera snapper	Lutjanus cyanopterus
tilefish	Lopholatilus chamaeleonticeps	dog snapper	Lutjanus jocu
rock hind	Epinephelus adscensionis	mahogany snapper	Lutjanus mahogoni
speckled hind	Epinephelus drummondhayi	silk snapper	Lutjanus vivanus
yellowedge grouper	Epinephelus flavolimbatus	yellowtail snapper	Ocyurus chrysurus
red hind	Epinephelus guttatus	dusky smooth-hound	Mustelus canis
red grouper	Epinephelus morio	narrowfin smooth-hound	Mustelus norrisi
misty grouper	Epinephelus mystacinus	little tunny	Euthynnus alletteratus
warsaw grouper	Epinephelus nigritus	blackfin tuna	Thunnus atlanticus
snowy grouper	Epinephelus niveatus	king mackerel	Scomberomorus cavalla
Nassau grouper	Epinephelus striatus	cero	Scomberomorus regalis
black grouper	Mycteroperca bonaci	greater amberjack	Seriola dumerili
yellowmouth grouper	Mycteroperca interstitialis	lesser amberjack	Seriola fasciata
gag grouper	Mycteroperca microlepis	almaco Jack	Seriola rivoliana
scamp	Mycteroperca phenax	banded rudderfish	Seriola zonata
yellowfin grouper	Mycteroperca venenosa	tripletail	Lobotes surinamensis
permit	Trachinotus falcatus	jackknife fish	Equetus lanceolatus

Location of tissue removal for isotope analysis.

ANTERIOR Pectoral Fin Posterior Posterior Anal Fin Ventral Location for tissue sample: 1 by 1 inch length and depth.

How to measure the total length of a fish.

