The Refuge Effect of Unpublished Artificial Reefs Deployed on the NW Florida Shelf (FWC-05027): 2005-06 Technical Report

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Introduction

Artificial reefs have been constructed of a variety of materials in marine, estuarine, and freshwater habitats around the world for myriad purposes (Seaman and Sprague 1991). Among the more common stated goals of artificial reef programs are 1) mitigating losses of structurally complex or hardbottom habitat; 2) enhancing production of reef-dependent invertebrate or fish species; 3) aggregating individuals to increase fishing efficiency; and, 4) providing divers with increased opportunity to view reef-associated organisms (Seaman 2000; Baine 2001; Okechi and Polovina 1995). While resource managers often cite more than one goal for a given artificial reef program, recreational and commercial fishers generally are among the most vocal proponents of artificial reefs because increased catch rates often follow reef creation (Bohnsack 1989; Lindberg 1997; Grossman et al. 1997; Bortone 1998). This increase in catch rates is the subject of an ongoing debate among fishery biologists and managers as to whether artificial reefs enhance production of reef fishes or merely attract fishes from surrounding areas, thus making them more vulnerable to fishing mortality (i.e., the attraction versus production debate) (Bohnsack 1989; Lindberg 1997; Pickering and Whitmarsh 1997). This issue is especially important in the northern Gulf of Mexico (Gulf) where many large reef fishes (e.g., snappers and groupers) targeted at artificial reefs are estimated to be fully exploited or overfished (NOAA 2003; Patterson and Cowan 2003). Therefore, concern exists that creation of artificial reefs actually may exacerbate unsustainable levels of fishing mortality if artificial reefs function more as reef fish attractants than as production enhancers (Polivina 1989,1991; Grossman et al. 1997; Pitcher and Seaman 2000).

Artificial reefs began to be used widely as management tools in the United States (US) during the 1970s and 1980s (Bohnsack and Sutherland 1985; Bohnsack 1989; Lindberg 1997; Seaman and Jensen 2000), although some states have had active programs for many decades (Stone 1986; Minton and Heath 1998). Lindberg (1997) suggested fishers and managers assumed artificial reefs deployed in these early programs increased production of fish stocks due to the simple fact that high fish densities and high catch rates were observed at artificial reefs, sometimes where little or no reef fish catch previously was taken. Lindberg (1997) also opined that anglers readily accepted the assumption that artificial reefs increased fish production because it was compatible with their conservation ethic. Bohnsack and Sutherland (1985) were among the first scientists to question whether artificial reefs generally increased fish production or merely aggregated fishes from surrounding natural hardbottom habitats. They suggested a greater understanding was needed of how artificial reefs effect fish populations and marine ecosystems prior to their mass deployment. Nearly 20 years later, scientists still comment that research on the ecological function of artificial reefs lags far behind the engineering and deployment of reefs (Pickering and Whitmarsh 1997; Lindberg 2000; Miller 2002).

Managers and scientists in the state of Florida have long been leaders in both the development and study of artificial reefs. Florida has the most extensive natural reef habitat in the continental US and, therefore, the greatest diversity and abundance of reef fishes (Hoese and Moore 1998). Florida also has the most comprehensive artificial reef program in the nation. Much of what is known about the ecological function of artificial reefs has resulted from studies conducted on the Florida shelf. However, we still lack fundamental knowledge of how artificial reefs function ecologically (Lindberg 2000; Miller 2002). In the recently written Florida Artificial Reef Strategic Plan (ARSP), the Florida Fish and Wildlife Conservation Commission

(FWC) emphasized the need to increase the knowledge base of artificial reef ecology in order to achieve the guiding purpose:

> "To optimize the biological and economic benefits of artificial reefs in Florida to ensure that the marine environment, human health and marine organisms are protected, restored, enhanced or sustained..." (FWC 2003).

Following the spirit of the ARSP, the FWC deployed over 500 unpublished artificial reef sites for scientific studies of artificial reef ecology in four Large Area Artificial Reef Sites (LAARS) in the northwest Gulf of Mexico (Gulf) (Fig. 1). Here, we report results from the second year of a three-year, process-oriented study examining reef fish community structure and population dynamics (e.g., recruitment, site fidelity, growth, and mortality) at replicate reefs of three designs located in the Escambia East LAARS. In this multidisciplinary study, we are employing a variety of research techniques and mathematical models to estimate community structure and quantify differences in population dynamics parameters among reef types and experimental treatments. In the first two years of the study our goal has been to establish baseline community structure estimates via video sampling by extending the usage of a well-established reef fish sampling method to include video collected with a remotely operated vehicle (ROV) (Bohnsack and Bannerot 1986). This technique is being applied to estimate community structure and fish abundance, as well as population dynamics (i.e., recruitment, growth, and mortality) at artificial reefs (Bohnsack and Bannerot 1986; Moser et al. 1998; Stanley and Wilson 1990,199 1). Additionally, fishes captured at a subset of experimental reefs were tagged with external anchor tags to estimate site fidelity to and dispersion from reefs. Tagging data also will be used to evaluate if the assumption is met that unpublished reef sites are not located and targeted by fishers. In the third year of the study, a second experiment will consist of widely advertising the global positioning system (GPS) coordinates of a subset of reefs. We then will estimate the effect of fishing on community structure, dominance, and diversity, as well as the size distribution of fishes. Last, various mathematical models will be applied to the tagging and community structure data to estimate the ecological function of study reefs (see below for methodological details). Specifically, we will estimate species- and reef-specific production values and test if reefs (both fished and unfished) increase fish production or serve as net sinks of production.

Approach and Methodology

Site Selection:

Deployment locations of reef sites within the Escambia East LAARS were provided by Mr. Keith Mille of the FWC, Division of Marine Fisheries Management. Reefs were of three designs (Table 1) and we randomly selected 3 reefs of each design in each of three depth strata (shallow stratum <27 m, mid-depth stratum = 27 – 32 m, and deep stratum >32 m; Figs. 2 & 3). Reefs of a given type in a given stratum were numbered and 3 reefs of each type were randomly selected from each stratum with a random number table (n = 3 strata x 3 reef types x 3 reefs per stratum = 27 reefs).

Video Sampling:

All video sampling was conducted onboard the chartered *F/V Dorado,* which is owned and operated by Captain Jeff Thierry. Video sampling was performed with a VideoRay Pro III ROV piloted at the surface by Mr. Mike Dance. The ROV was controlled by an integrated control box via the ROV's tether to the surface. Realtime ROV movement was observed on a high resolution monitor with a live feed from the ROV's 570-line resolution video camera. The camera is capable of 160º vertical tilt and has a wide-focus range (100°). Lighting, when needed, was provided by twin 20-watt high efficiency halogen lights mounted on the ROV. Video output from the ROV was recorded on digital video tape with a Sony GVD 1000 digital VCR.

Video sampling of fishes at study sites occurred during four quarters between fall 2005 through summer 2006 (Tables 2-4). Video sampling involved modification of an established stationary count method proposed by Bohnsack and Bannerot (1986) in which a diver identifies and enumerates all fishes within a 15-m diameter cylinder from the seafloor (or reef) to the surface. In our method, the ROV first was positioned 1 m above the seafloor and approximately 6 m away from a given reef. The ROV slowly was pivoted 360° and then moved to the opposite side of the reef. Once there, it was positioned 1 m above the seafloor and 6 m away from the reef and was pivoted 3 60°. The ROV then was flown to 1 m directly above the reef and pivoted 360° to video fishes in the water column above the reef. Next, the ROV was flown to ~10 m above the reef and pivoted 3 60°. Once completed, the ROV was flown back down to the reef and positioned such that fishes inside the reef structure could be videotaped. The entire video sampling procedure was accomplished in <10 minutes. Following video sampling, the ROV was flown among the fishes present in an attempt to target as many as possible with a laser scale to estimate fish size distribution; distance between the scale's red lasers is fixed at 100 mm (Fig. 4). A Sea Bird 1 9*plus* conductivity, temperature, depth (CTD) instrument equipped with a dissolved oxygen sensor was lowered to the seafloor to measure water parameters at a subset of reef sites immediately after video sampling.

It is apparent that for our cylinder sampling method to be successful we must be able to estimate accurately the diameter of the cylinder being sampled. Therefore, we developed a technique that allows one to estimate the sampling cylinder's radius based on the distance the ROV is from a given reef. This was possible based on the known dimensions of modules and the percentage of video frames modules filled. For example, the base of an A-type module is approximately 3 m in width (Fig. 5). In order for distance *y,* the radius of the sampling cylinder in the plane of the reef, to be ~7.5 m, the distance the ROV is from the module must be ~6 m. The angle of the camera field is 100° (Fig. 5A). Therefore, the angles of the right triangle depicted in Fig. 5B are known to be 90°, 50°, and 40°. The tangent of 40º equals the distance between the ROV and the reef center divided by the unknown distance *y*. If the ROV is 6 m away from the reef center, then *y* would be 7.2 m. By multiplying 7.2 by two, we can estimate the total distance in the reef's plane that is in view when the ROV is 6 m away from it. Thus, when the ROV is 6 m away from the center of the reef, the distance across the field of view is 14.4 m. Since the base of the reef is 3 m wide, it will fill ~20% of the distance across the field of view when the ROV is 6 m from it. Therefore, the pilot can position the ROV ~6 m from the reef in the above example by ensuring the reef base fills ~20% of the field of view. This procedure easily accommodates reef sites with multiple modules if the distance between modules can be estimated. That was straightforward in our application because the module dimensions were known (Table 1).

Video Analysis

Analysis of video samples was performed in the Fisheries Laboratory at UWF. First, digital video was uploaded to an Apple PowerMac G5 and archived on DVD. Video analysis then was performed with a Sony DVCAM DSR-1 1 digital VCR and a Sony LMD-170 high resolution LCD monitor. The primary video analyst was Mike Dance, with Will Patterson analyzing 10% of video samples for quality control. For a given video sample, fishes were identified to the lowest taxon possible and enumerated for five separate video segments: 1_{st} 360° spin 1 m above seafloor, 2_{nd} spin 1 m above seafloor on the opposite side of the reef as the 1_{st} spin, a spin 1 m above reef, a spin 10 m above reef, and inside the reef. To avoid double counting individuals, fish observed during the 1_{st} and 2_{nd} spins were counted as part of the respective spin's sampling segment only if they occurred on the ROV side of a plane running through the reef and perpendicular to the ROV heading when the ROV was pointed directly toward the center of the reef. Fish numbers were summed across all five sampling segments for a total count. Differences between reader estimates were evaluated by computing the average percent error (APE) for each species at a given site, as well as the overall APE among all species seen at a given site. Average percent error between reader counts for a given species was computed as:

$$APE = 100 \times ((1/n) \times (((ABS(R_1 - mean))/mean) + ((ABS(R_2 - mean))/mean)))$$

where:

n = number of readers

ABS = absolute value

R_1 = count from reader 1

R_2 = count from reader 2

mean = average count between readers.

Average percent error among all species at a given site was estimated by taking the mean of the species-specific APEs. Quarterly APE among all sites was computed as the mean of all site APEs. Annual APE was computed as the mean of quarterly APEs.

Mean (± SE) abundance was plotted over time for reef fishes of significant commercial value to visualize trends in community structure. Several species diversity measures were computed by quarter, depth, and reef type with the PRIMER software package to assess trends in species diversity within the fish community (Clarke and Gorey 2001). Among measures computed were species richness (Margalef's d, a measure of the species present scaled to total numbers of individuals), species evenness (Pielou's J', a measure of how evenly individuals are spread among species), and species diversity (Shannon-Wiener's H', a measure of biodiversity that takes into account the number of unique species and the community's evenness). We tested if quarter, reef type, or reef depth significantly affected fish community structure with analysis of similarity (ANOSIM), a non-parametric analog of analysis of variance, using the PRIMER software package (Clarke 1993; Clarke and Gorey 2001).

Video Estimation of Fish Lengths

Length was estimated for all fishes struck by the laser scale during video sampling. This was accomplished by multiplying the length of a given fish measured in a video frame by the known distance between lasers (100 mm), and then dividing that product by the distance measured between lasers in the frame. For example, if a red snapper measured 38 mm in a video

frame and the distance between the laser points measured 12 mm, the fish would be estimated to be 317 mm {[(38 mm*100 mm)/12mm)] = 317 mm}. For this report, trends in estimated red snapper and gray triggerfish length distributions were plotted by reef type for spring 2005 through spring 2006 to examine trends in size of the two most abundant reef fishes observed at our study sites.

Reef Fish Tagging:

Sampling trips to tag fish at nine of our sites were conducted onboard the *F/V Dorado* after video sampling was completed in each quarter (Tables 2-4). At a given site, four fishermen fished with two-hook bottom rigs (3/0 J hooks) baited with squid and cut mackerel and one fisherman fished in the water column over the reef with a whole mackerel scad on a sow rig. Sow rigs were made by snelling two 5/0 J hooks to the end of a 1.5 m leader at a space of about 10 cm apart. Effort was further standardized by fishing for 30 min at each site. Fish were brought to the surface at a rate of ~1 m sec^{-1}. Fish were removed from hooks and placed in a 500 quart cooler with flowing seawater prior to tagging. Fish were measured to the nearest mm fork length (FL) or total length (TL), tagged with Floy® 95M internal anchor tags, and returned overboard. Tags were marked with the word "REWARD", a number identifying the fish, and a toll free telephone number to report tag recoveries (Fig. 6). The tagging study has been widely advertised among recreational and commercial fishing groups to encourage reporting of tag recoveries (see poster that has been widely circulated among northern Gulf fishing communities at end of Appendix). Fishermen who report tags received a $5 reward per tag and were entered into a $500 annual drawing of all tag returners.

Condition of tagged fish at release was evaluated qualitatively. Fish that swam down vigorously were given condition-1. Fish in condition-2 oriented toward the bottom but did not swim down vigorously. Fish in condition-3 remained at the surface but were obviously alive. Condition-4 fish remained motionless at the surface and appeared dead.

Results and Discussion

Site Condition

Hydrographic parameters recorded at study sites were straightforward with no indication of low dissolved oxygen events during sampling (Table 5). There were some appreciable differences in physical site condition at several of our study sites between September 2005 and September 2006. The invertebrate and algal fouling communities on all sites was much more developed than in year one (Appendix Table A1). Among the most prevalent organisms encountered were bryozoans, encrusting sponges, and red algae. Pyramid reefs had encrusting organisms on both concrete and rebar structures, and several had what appeared from video and still images (see accompanying DVDs and CD) to be large colonies of bryozoans near the top of modules. Fish Havens tended to have only low-profile fouling communities present which might be related to the high abundance of triggerfish as grazing invertevores on those reefs (see below). As noted in the final report for FWC-04032, paired modules were separated by considerable distance at several of the Fish Haven sites, and typically at least on module was toppled. Reef Balls typically had abundant red algae present. Reef balls also showed the most significant burial among the reef types. Three C-type sites consisted of a significantly broken module (C2 1, C32, and C36), while for one other site (C39) only a small portion of each module was above the sediment-water interface.

Video Sampling

Reader agreement has been high and within acceptable QAQC tolerance (i.e., < 10% APE; Fig. 7). Through summer 2006, 42,819 individual fish belonging to 66 taxa have been counted at our study sites (Appendix Tables A2-A6). The ten most abundant fishes observed have been red snapper (43.9% of all individuals observed), mackerel scad (12.0%), gray triggerfish (7.1%), unknown small fishes (6.5%), tomtate (5.8%), vermilion snapper (3.5%), gray snapper (3.4%), spadefish (2.6%), gag (2.3%), and scamp (1.5%). Snappers clearly have been the most abundant family. Two groupers made the top ten (red grouper ranked 11th), but the trends in snapper and grouper abundance have been opposite, with snapper species increasing in abundance (Fig. 8) and groupers declining (Fig 9) over the time series.

Red, lane, and gray snapper tended to be most abundant on Fish Haven sites, with red snapper having its greatest abundance at deep sites and lane and gray snappers being most abundant on mid-depth sites (Fig. 8). There was no clear difference in vermilion snapper abundance among depths or reef types, but their abundance overall rose sharply after fall 2005. Gag abundance was highest on Reef Balls, where they often were observed hiding within the modules (Fig. 9). Red grouper and scamp tended to be most abundant on Fish Haven sites early in the study, but in recent quarters they have been largely absent from all sites. Gray triggerfish tended to be most abundant on mid-depth and deep Fish Haven sites, while there was no clear difference among reef types or depths for amberjacks (Fig. 10). Gray triggerfish abundance has been consistently high, while the abundance of amberjacks appears to be seasonal, with greatest abundance in spring and summer.

There were significant differences in fish community structure among reef types (ANOSIM, $p = 0.015$), depth strata (ANOSIM, $p = 0.022$), and quarters (ANOSIM, $p = 0.010$). The number of species (Fig. 1 1A), species richness (Fig. 1 1C), and species diversity (Fig. 1 1E) all were lowest for Pyramid reefs and highest for Reef Balls. However, Reef Balls had the lowest numbers of individuals (Fig. 1 1B) and the lowest evenness (Fig. 1 1D). Those results distill trends observed in the raw data. Reef Balls have the lowest volume of all sites and several Reef Ball modules in this study have been broken or significantly buried (Appendix Table A1). Many species of small reef fishes were recorded on Reef Balls more than other sites, but rarely in great numbers.

Trends in species diversity measures with depth revealed the shallowest sites tended to have the lowest richness (Fig. 12C) and diversity (Fig. 12E), but sites in the deep stratum had the lowest evenness (Fig. 12D). Trends in those same measures among the four quarters sampled revealed generally increasing trends in all measures (Fig. 13). However, the number of individuals observed at our reef sites dropped between winter and spring 2006 but then recovered somewhat in summer. That trend is evident in red snapper, vermilion snapper, and gag grouper abundance estimates (Figs. 8 & 9), all of which are heavily fished in the region.

Video Estimation of Fish Lengths

At least one individual of 33 different fish taxa was measured with lasers through spring 2006. A total of 1,984 fishes were measured, with red snapper (n = 953; 48.0%) and gray triggerfish (n = 264; 13.3%) being the most frequently measured. Comprehensive analysis of size frequency data will follow the third year of the study, but trends in red snapper (Fig. 14) and gray triggerfish (Fig. 15) size frequencies are reported here to demonstrate the information contained in the size frequency data.

It is apparent from the size frequency plots, and based on size-at-age data for the species (Patterson et al. 2001), that the youngest red snapper on our sites are two year olds. Patterson et al. (2005) reported juvenile (age-0 and age-1) red snapper displayed an ontogentic shift to more complex natural hardbottom habitats as they grow, while Wilson and Nieland (2004) reported red snapper did not recruit to petroleum platforms off Louisiana until they were two year olds. Our results are consistent with both those studies.

Red snapper modal progressions from spring 2005 through spring 2006 demonstrate two year old fish grew toward the minimum size limit (408 mm) for retention in the recreational fish, but then they rapidly disappeared from our study sites once they became legal-sized three year olds. Possible explanations for the stark decline might be natural mortality, low site fidelity, fishing mortality on our sites, or fishing mortality in the region. Natural morality seems an unlikely cause of the knife-edge size distribution pattern observed (i.e., near complete disappearance of fish above the legal size limit). Fishing mortality on our reef sites might be a viable explanation for the pattern, but no tagged fish have been reported as being caught from our tagging sites (see below), although 11 fish were reported as being caught at Loran C coordinates within 100 m of their tagging site (C 15) in April 2005. We have never directly observed fishing activity at our sites, but what appeared to be monofilament was observed at site A36, a site where we do not tag fish. The fishing rod repeatedly observed on site B16 might have been lost overboard by a fisherman fishing that site, but other sites had debris on them after recent hurricanes.

Patterson et al. (2003) reported site fidelity of red snapper to individual artificial reef sites off Alabama was 25% yr^{-1}, while Schroepfer and Szdelmayer (2006) estimated annual fidelity to artificial reef complexes (10,000 m) was 50% yr^{-1}. Based on those two studies, and preliminary results from tagging in the current study (see below), it is apparent red snapper are moving among artificial and natural reefs inside and outside the Escambia East LAARS. It seems likely high fishing mortality rates remove legal-sized red snapper when then stray from our unreported reef sites, but few fish >400 mm are present in the region to replace them. One caveat to that explanation is fish may move farther offshore with increasing size and/or age, thus no "replacements" were available. Given the knife-edge drop in frequency of legal-sized fish, however, it seems fishing mortality is playing a key role in the size distribution patterns observed. The fishing experiment in the final year of the study should provide further insight into this issue.

Gray triggerfish size frequencies appeared to be normally distributed with modes centering around 300 mm (Fig. 15). That pattern is very different from the truncated distribution observed in the red snapper length data. Based on size-at-age data for the species (Ingram 2001), fish we encountered may have been as young as age-0 to greater than age-8. Ingram (2001) and Ingram and Patterson (2001) reported gray triggerfish displayed much higher site fidelity (~68-87% yr^{-1}) to individual artificial reef sites than red snapper. Following the logic presented above for red snapper, it appears gray triggerfish are neither subjected to fishing on our reef sites, nor are they moving around and being captured away from our reef sites (see below). Again, further analysis of tagging data and the fishing experiment in year 3 should provide a direct test of our preliminary inferences in this regard.

Tagging

A total of 1,973 fish was tagged through the first two years of this study (Table 6, Appendix Table A7, Fig. 16). An additional 261 fish were caught at tagging sites but not tagged

(Appendix Table A8). Red snapper were tagged most frequently and constituted a disproportionately high percentage of tagged fish (68.4% of fish tagged versus 43.9% of fish observed). Red porgy was the next most frequently tagged species, which also was high relative to its abundance observed in ROV video (11.6% of fish tagged versus 1.4% of fish observed). This demonstrates that catch per unit of effort during tagging is a poor reflection of reef fish community structure.

Of the tagged fish, 1,673 (84.8%) were released in condition-1, 152 (7.7%) in condition-2, 99 (5.0%) in condition-3, and 50 (2.5%) in condition-4. In general, condition at release decreased with depth (Fig. 16), with red and vermilion snappers showing greater depth effects than gag or red grouper. Gray triggerfish was the only species for which depth did not affect release condition. Patterson et al. (2002) reported 86.5% (n = 2,536 of 2,932) of red snapper and 99.2% (n = 835 of 842) of gray triggerfish captured off Alabama at similar depths to the current study were released in condition-1 after tagging. They also reported 98.4% of recaptured red snapper and 100% of recaptured gray triggerfish originally had been released in condition-1. They inferred from contingency table analysis that poor condition at release, which was evaluated with the same method employed in the current study, might serve as a proxy for acute release mortality. Qualitatively, that inference is supported by data we report here, as 90.0% of recaptured fish were originally released in condition-1 (Appendix Tables A9 & A10).

Fifty tagged fish were recaptured on subsequent tagging trips and 115 were reported by fishers as being caught away from tagging sites (Table 7, Appendix Tables A9 & A10, Fig. 17). All recaptures made by us at tagging reefs were recaptured at sites they were originally tagged. However, two tagged fish were observed during analysis of June 2005 video for site B 11, a site where tagging does not occur, and two fish tagged with dart tags not used in our study were observed on B4 in April 2006. Most recaptures from fishers were caught in the Escambia East LAARS, but some extensive fish movement was observed (Appendix Table A10). Several fish have moved tens of km, with one red snapper (tag #426) recaptured southeast of Cape San Blas approximately 250 km SE of its tagging site.

Problems Encountered in Year Two

Two problems we encountered in 2004-05 were highlighted in the technical report for grant FWC-04032, which represented the first year's data from our ongoing FWC-funded research. The first issue was our inability to locate some individual reefs we had planned to sample. That issue was resolved during 2004-05, thus was not a concern for completing project tasks in 2005-06. The other problem we encountered on separate occasions in 2004-05 was technical difficulty with the tether connector to our ROV which affected the timing and duration of our sampling trips. VideoRay switched vendors for that particular part prior to our 2005-06 sampling and replaced the tether connector on our Pro III sub at no cost to UWF. We were very pleased with ROV performance in 2005-06. A backup Pro III sub also was purchased by UWF to ensure any (inevitable) future technical issues do not affect our sampling schedule.

There are two pieces of information that are not included in this report that eventually will completed as part of the 2005-06 work. First, Figure 7 will be updated with 2005-06 QAQC analyses. Such analyses have not been completed through our September 2006 sampling. However, it should be stressed that reader agreement remains high for video analysis and we are confident in the data reported herein. Other ongoing analysis includes estimating fish lengths sampled with lasers during September 2006. Again, there has been insufficient time to complete that task but it will be completed and the data included in the third year final report.

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TABLES

Table 1. Dimensions of three artificial reef types deployed by the FWC in the Escambia East LAARS prior to start of this study.

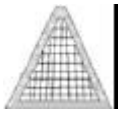
Reef Parameters	 Type A	 Type B	 Type C
modules per site	1	2	2
module height m	3.05	1.83	1.45
module base m	3.05	3.05	1.83
module volume m^3	4.09	4.90	2.84

Table 2. Dates sampling was conducted at A-type reefs in 2005-2006.

	Video Sampling				Tagging			
Reef	Fall 2005	Winter 2006	Spring 2006	Summer 2006	Fall 2005	Winter 2006	Spring 2006	Summer 2006
A12	12/12/05	4/2/06	6/7/06	9/12/06	12/22/05	4/5/06	6/8/06	9/15/06
A19	12/13/05	4/2/06	6/7/06	9/13/06	12/22/05	4/5/06	6/8/06	9/15/06
A20	12/13/05	4/2/06	6/7/06	9/13/06	12/22/05	4/5/06	6/8/06	9/15/06
A31	12/13/05	4/2/06	6/6/06	9/13/06				
A34	12/13/05	4/2/06	6/6/06	9/13/06				
A35	12/13/05	4/2/06	6/6/06	9/12/06				
A36	12/13/05	4/2/06	6/6/06	9/12/06				
A53	12/12/05	4/3/06	6/6/06	9/12/06				
A56	12/12/05	4/2/06	6/7/06	9/12/06				

Table 3. Dates sampling was conducted at B-type reefs in 2005-2006.

	Video Sampling				Tagging			
Reef	Fall 2005	Winter 2006	Spring 2006	Summer 2006	Fall 2005	Winter 2006	Spring 2006	Summer 2006
B1	12/12/05	4/2/06	6/7/06	9/12/06				
B2	12/12/05	4/2/06	6/7/06	9/13/06	12/22/05	4/5/06	6/8/06	9/15/06
B3	12/13/05	4/2/06	6/7/06	9/13/06				
B4	12/13/05	4/2/06	6/7/06	9/13/06				
B7	12/12/05	4/3/06	6/6/06	9/12/06				
B8	12/12/05	4/3/06	6/6/06	9/12/06	12/22/05	4/5/06	6/8/06	9/15/06
B9	12/13/05	4/2/06	6/7/06	9/13/06	12/22/05	4/5/06	6/8/06	9/15/06
B11	12/13/05	4/2/06	6/7/06	9/13/06				
B16	12/13/05	4/2/06	6/6/06	9/12/06				

Table 4. Dates sampling was conducted at C-type reefs in 2005-2006.

	Video Sampling				Tagging			
Reef	Fall 2005	Winter 2006	Spring 2006	Summer 2006	Fall 2005	Winter 2006	Spring 2006	Summer 2006
C12	12/13/05	4/2/06	6/6/06	9/13/06				
C14	12/12/05	4/2/06	6/7/06	9/13/06				
C15	12/12/05	4/2/06	6/7/06	9/13/06	12/22/05	4/5/06	6/8/06	9/15/06
C21	12/13/05	4/2/06	6/6/06	9/13/06	12/22/05	4/5/06	6/8/06	9/15/06
C22	12/13/05	4/2/06	6/6/06	9/13/06				
C25	12/13/05	4/2/06	6/6/06	9/12/06				
C32	12/12/05	4/3/06	6/6/06	9/12/06	12/22/05	4/5/06	6/8/06	9/15/06
C36	12/12/05	4/3/06	6/6/06	9/12/06				
C39	12/12/05	4/2/06	6/7/06	9/12/06				

Table 5. Water parameters measured one meter off bottom at study sites with a SeaBird 19 plus conductivity, temperature, density instrument (CTD) equipped with a dissolved oxygen probe.

Date	Station	Station Depth	D.O. mg/l	Temp. °C	Salinity psu
12/12/2005	C32	29.5	7.00	19.48	36.05
12/12/2005	B7	29	6.99	19.53	36.05
12/12/2005	A53	27	6.98	19.78	36.07
12/12/2005	C36	27	6.90	20.11	36.09
12/12/2005	B8	32.5	6.88	20.21	36.10
12/12/2005	C39	29	6.96	19.97	36.11
12/12/2005	A56	29	6.96	20.00	36.12
12/12/2005	A12	28.5	6.93	20.11	36.12
12/12/2005	B1	35.5	6.83	20.24	36.13
12/12/2005	B2	30.5	6.81	20.63	36.13
12/12/2005	C15	32	6.83	20.82	36.13
12/12/2005	C14	32	6.80	20.81	36.12
12/13/2005	B4	31	6.97	19.79	36.17
12/13/2005	B3	35	6.92	19.90	36.18
12/13/2005	A19	34	6.96	20.02	36.19
12/13/2005	A20	33	6.95	19.92	36.17
12/13/2005	C12	35	6.98	20.10	36.19
12/13/2005	B11	33.5	6.93	20.21	36.18
12/13/2005	B9	37.5	6.93	20.38	36.14
12/13/2005	C21	34	6.96	20.25	36.15
12/13/2005	C22	33.5	6.94	20.26	36.15
12/13/2005	A31	38.5	6.87	20.53	36.12
12/13/2005	A34	41	6.85	20.56	36.12
12/13/2005	C25	37	6.88	20.55	36.12
12/13/2005	A35	37.5	6.83	20.58	36.12
12/13/2005	B16	34.5	6.92	20.28	36.14
12/13/2005	A36	36.5	6.85	20.55	36.12
4/2/2006	C39	29	NA	19.12	36.19
4/2/2006	B2	30.5	6.64	18.98	36.11
4/2/2006	B3	35.5	6.78	18.92	36.17
4/2/2006	A31	38.5	6.79	19.09	36.22
4/2/2006	A36	36	7.39	19.05	36.16
4/3/2006	B7	29.5	7.33	18.79	36.03
4/3/2006	C36	29.5	7.56	18.83	35.98
6/6/2006	C22	33.5	6.30	21.42	36.26
6/7/2006	C39	29	6.66	22.45	35.88
6/8/2006	A20	32.5	6.25	21.75	36.12
6/8/2006	A19	34	6.36	21.30	36.34
6/8/2006	C32	29	6.40	21.89	36.07
6/8/2006	B2	30	6.59	21.67	36.25
9/12/2006	B9	38	4.65	27.57	36.12
9/14/2006	A34	40	4.73	27.73	36.17
9/15/2006	B8	32	4.47	28.83	35.83
9/15/2006	C15	31.5	4.50	28.63	35.91
9/15/2006	A12	28	5.31	28.95	35.86

Table 6. Species and number of individuals tagged at study reefs during 2004-2006.

Species	Common Name	Number Tagged
Lutjanus campechanus	red snapper	1,350
Pagrus pagrus	red porgy	229
Balistes capriscus	gray triggerfish	176
Mycteroperca microlepis	gag grouper	95
Rhomboplites aurorubens	vermilion snapper	54
Epinephelus morio	red grouper scamp	31
Mycteroperca phenax	greater amberjack	19
Seriola dumerili	lane snapper	9
Lutjanus synagris	almaco jack	6
Seriola rivoliana		4
	Total:	1,973

Table 7. Species and number of tagged fish recaptured on tagging trips or reported by fishermen during 2004-2006.

Species	Common Name	Recaptured on Tagging Trips	Mean Days Free	Reported by Fishermen	Mean Days Free
Lutjanus campechanus	red snapper	28	136.0	67	249.1
Pagrus pagrus	red porgy	0		8	16.5
Balistes capriscus	gray triggerfish	13	132.5	18	183.1
Mycteroperca microlepis	gag grouper	5	173.4	13	153.2
Rhomboplites aurorubens	vermilion snapper	1	75	1	313
Epinephelus morio	red grouper	4	75	2	128
Mycteroperca phenax	scamp	0		5	181.3
Lutjanus synagris	lane snapper	0		1	275
	Total Returns:	50		115	

FIGURES

Figure 1. Map of the locations of the four LAARS created on the northwest Florida shelf.

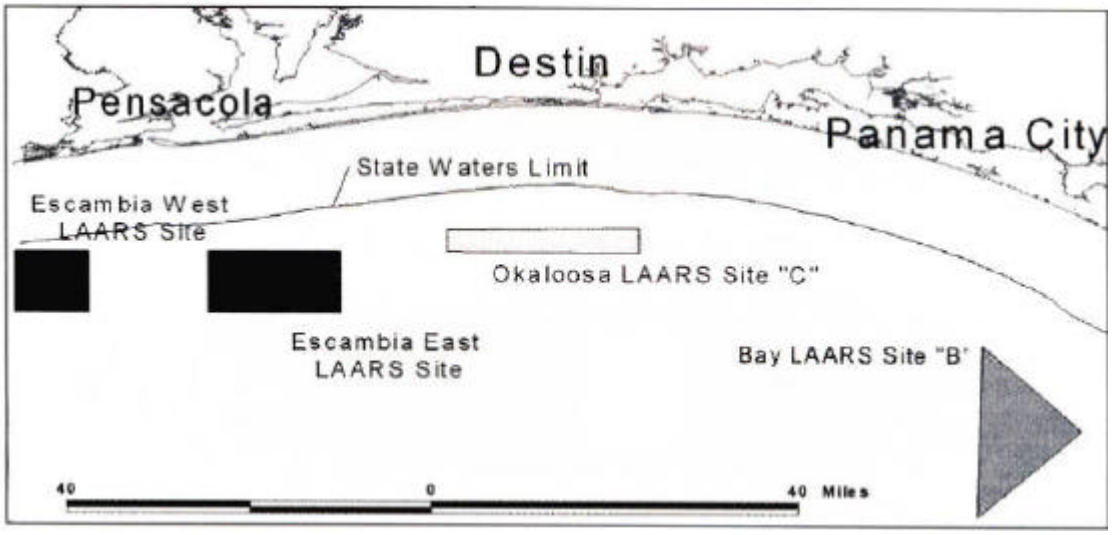


Figure 2. Depth distribution of artificial reef sites deployed by the FWC in the Escambia East LAARS.

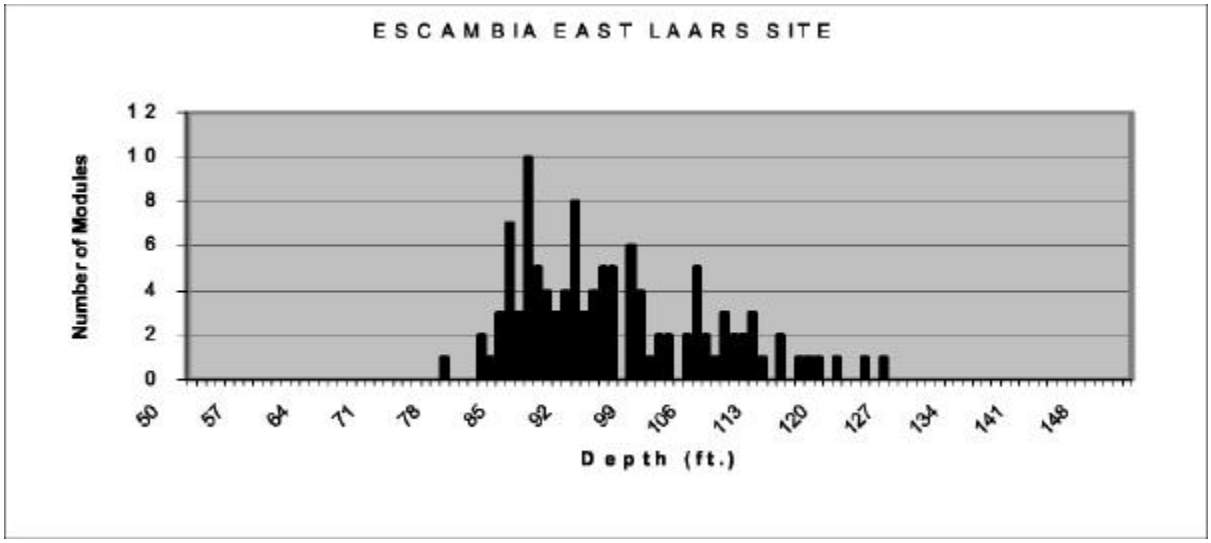


Figure 3. Map of artificial reef sites sampled in 2005-06. Sites with green symbols are in the shallow (< 30 m) stratum. Red symbols denote mid-depth (30–35 m) stratum sites and blue symbols indicate deep (> 35 m) sites.

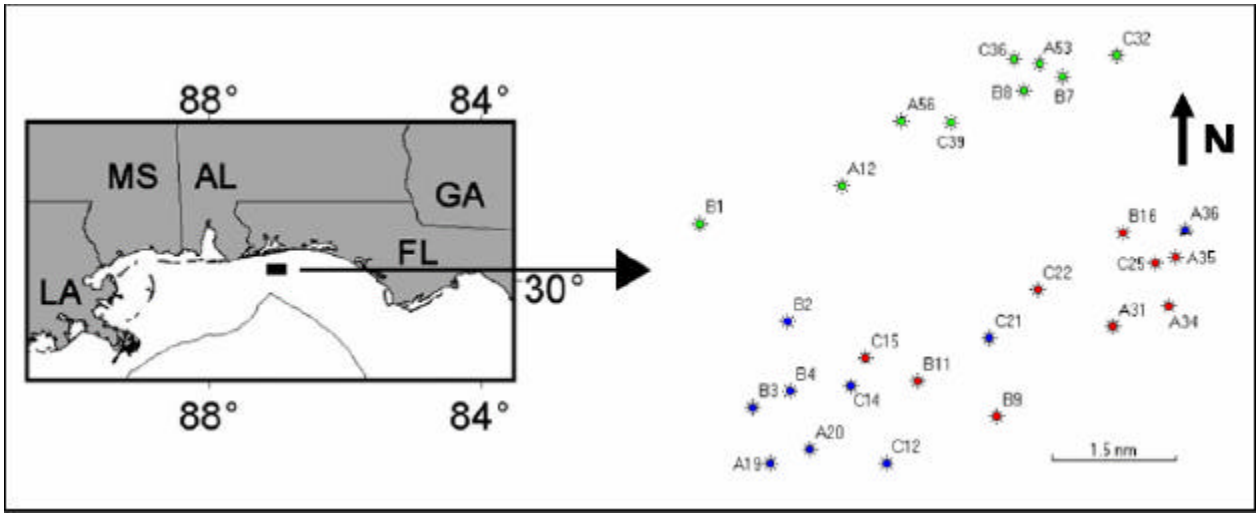


Figure 4. Digital images of A) a 263 mm FL red snapper, B) a 254 mm FL gray triggerfish at study sites. Lengths were estimated by dividing the known distance (10 cm) between laser points by the ratio of fish length over the distance between points measured in the digital image.

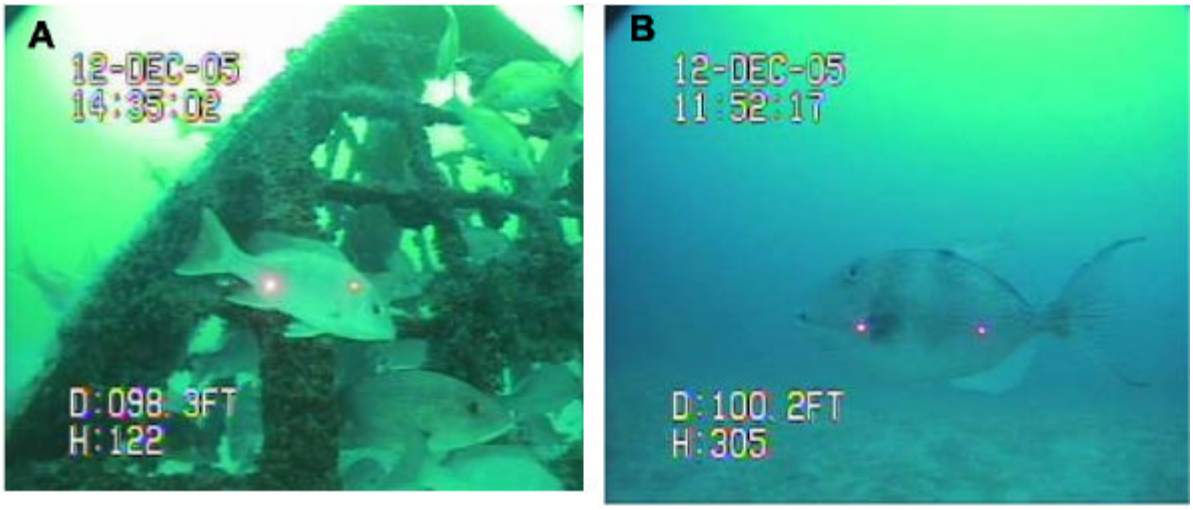


Figure 5. A. Schematic of an A-type reef demonstrating the footprint of our sampling cylinder, ROV position 1 m above the substrat, and angle of camera wide focus range. B. Right triangle utilized to estimate distance *y*, the cylinder's approximate radius.

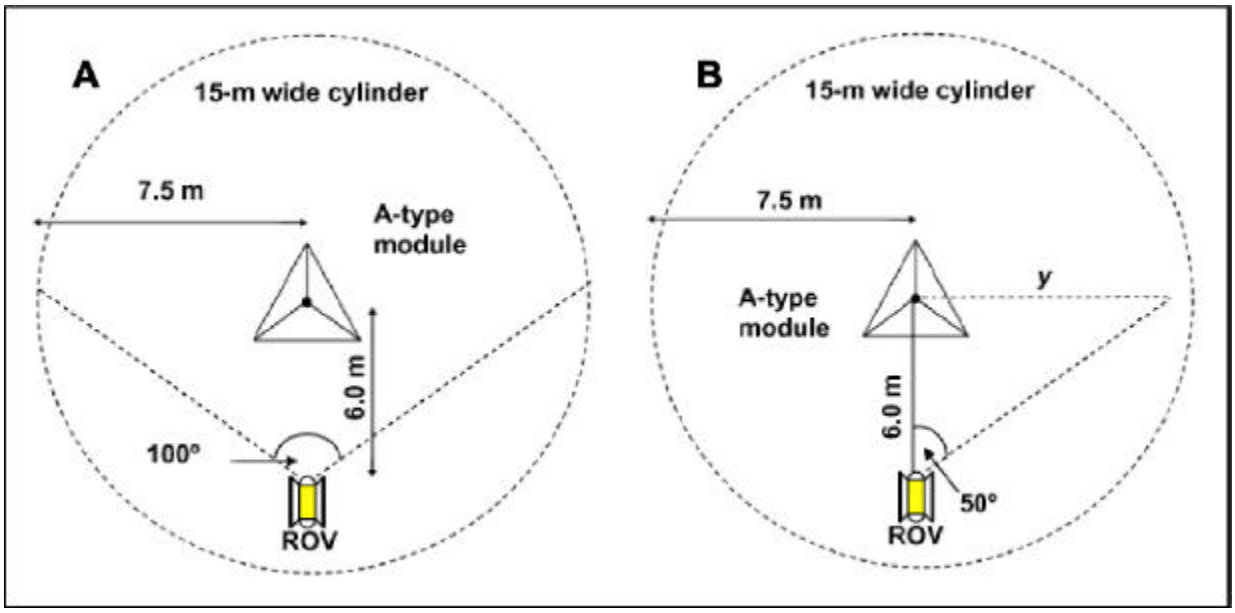


Figure 6. Digital images of an internal anchor tag used in this study. Tag length is 80 mm; anchors are 6 mm wide and 16 mm long.

Figure 7. Scatterplots of reader 1 (Mike Dance) versus reader 2 (Will Patterson) fish counts. Diagonal lines in each panel indicate the line of 1:1 reader agreement. Panels A through D depict reader agreement for samples compared in December 2004, March 2005, June 2005, and September 2005, respectively.

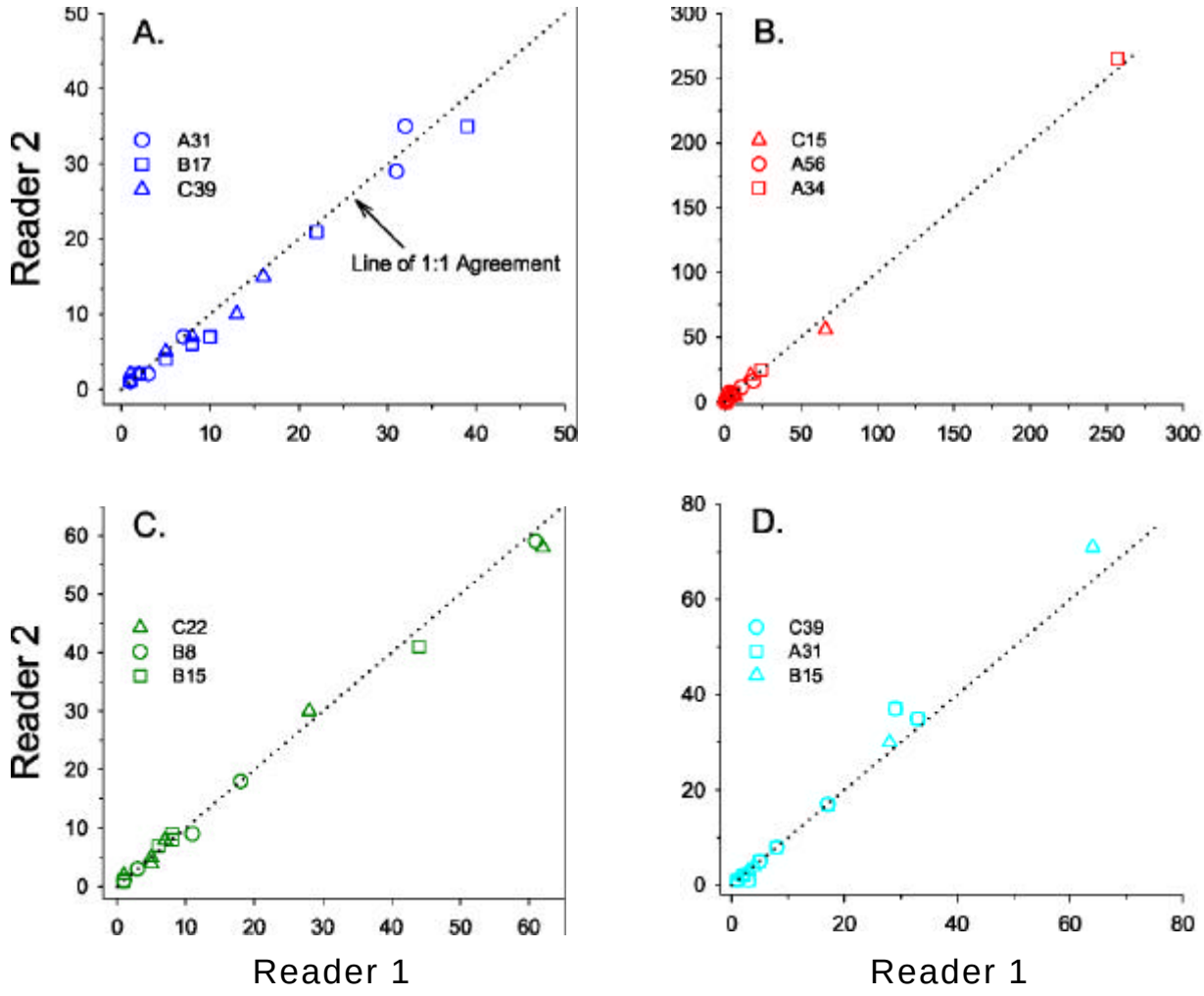


Figure 8. Trend in mean snapper abundances at study artificial reef sites estimated from ROV-based video sampling from fall 2004 through summer 2006. Error bars are minus one standard error of the mean. Triangles = A-type reefs; circles = B-type reefs; and, squares = C-type reefs. Color indicates depth stratum; blue < 30 m, purple = 30-35 m, and red = > 35 m.

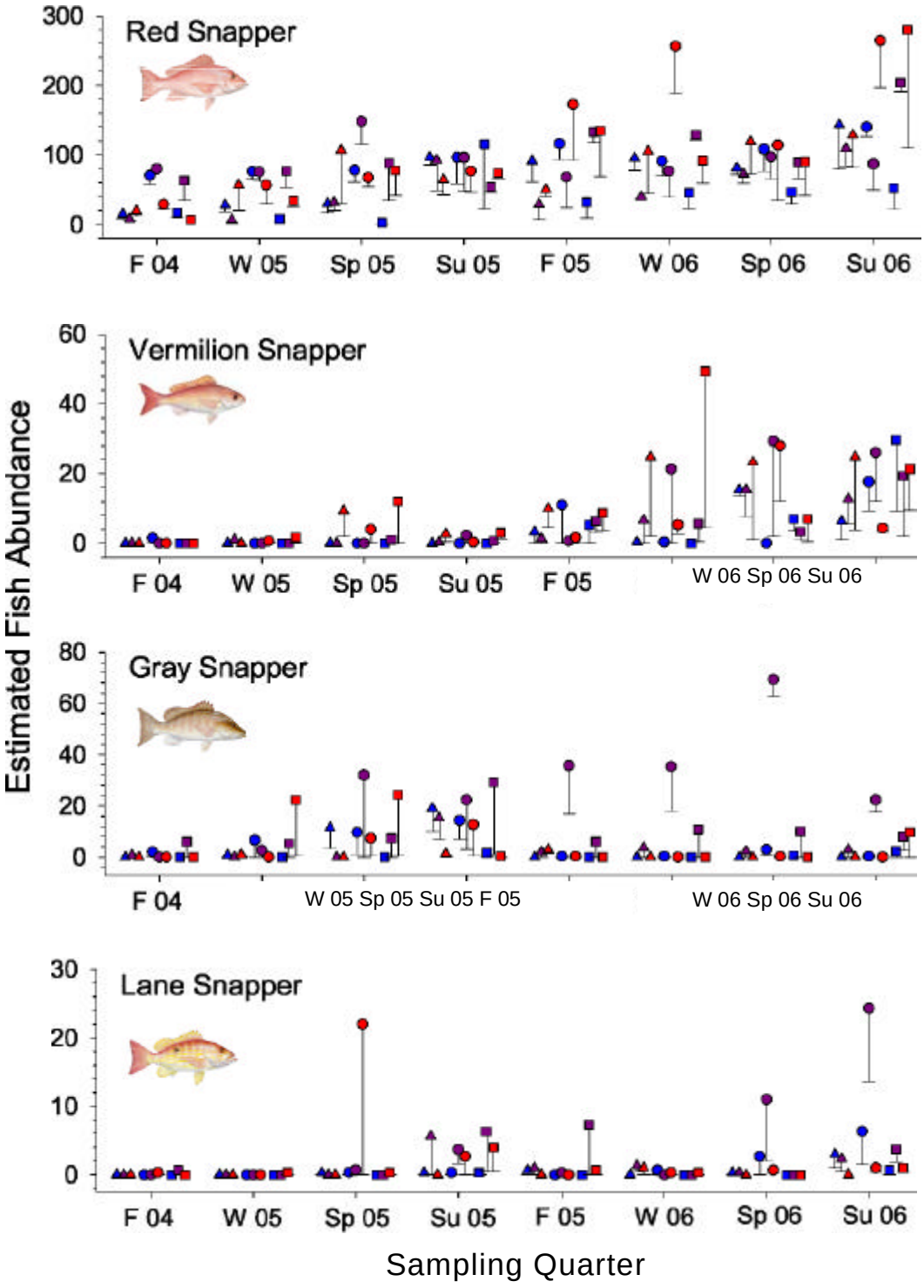


Figure 9. Trend in mean grouper abundances at study artificial reef sites estimated from ROV-based video sampling from fall 2004 through summer 2006. Error bars are minus one standard error of the mean. Triangles = A-type reefs; circles = B-type reefs; and, squares = C-type reefs. Color indicates depth stratum; blue < 30 m, purple = 30-35 m, and red = > 35 m.

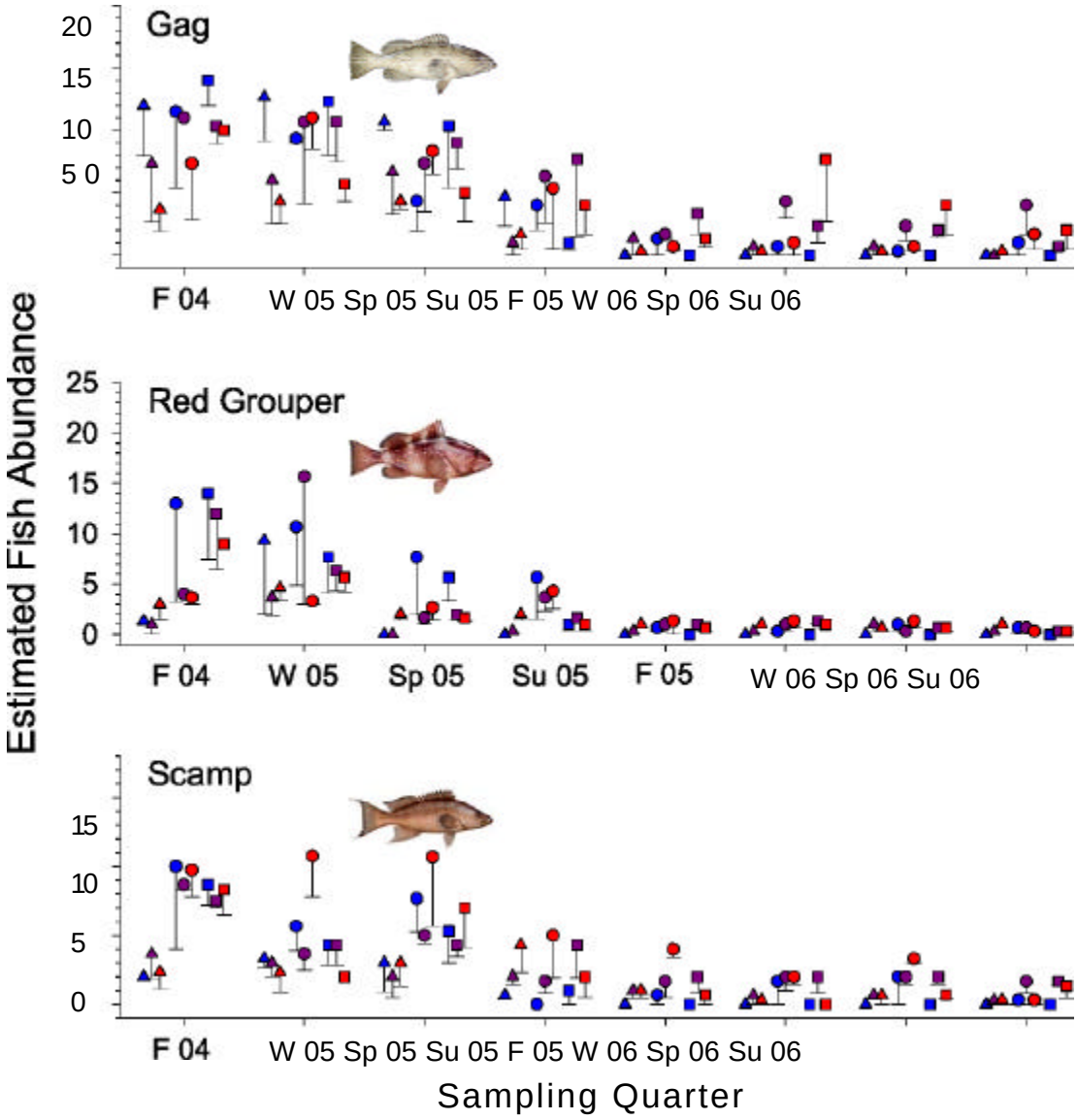


Figure 10. Trend in mean gray triggerfish and *Seriola spp.* abundances at study artificial reef sites estimated from ROV-based video sampling from fall 2004 through summer 2006. Error bars are minus one standard error of the mean. Triangles = A-type reefs; circles = B-type reefs; and, squares = C-type reefs. Color indicates depth stratum; blue < 30 m, purple = 30-35 m, and red = > 35 m.

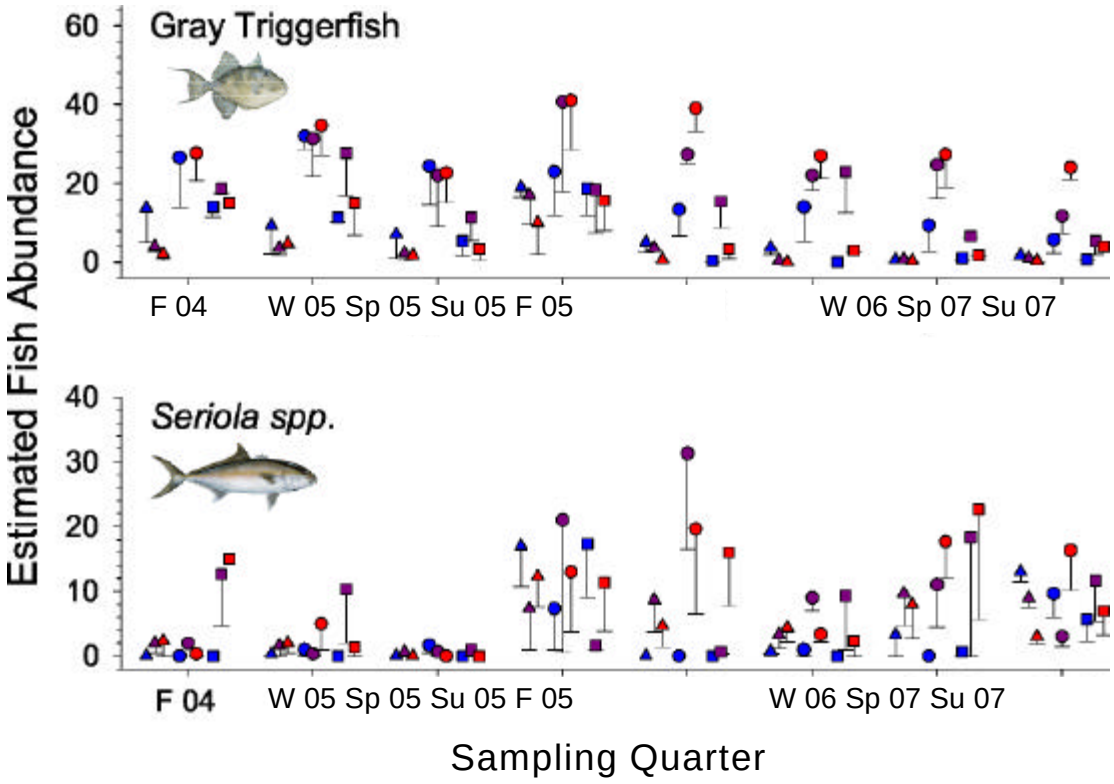


Figure 11. Species diversity measures computed for the three reef types sampled with ROV-based video in 2005-06. Panel A depicts estimated mean (±SE) number of species present and B depicts estimated mean (±SE) number of individual fish. Panels C-E depict mean (±SE) species richness (d), evenness (J'), and diversity (H').

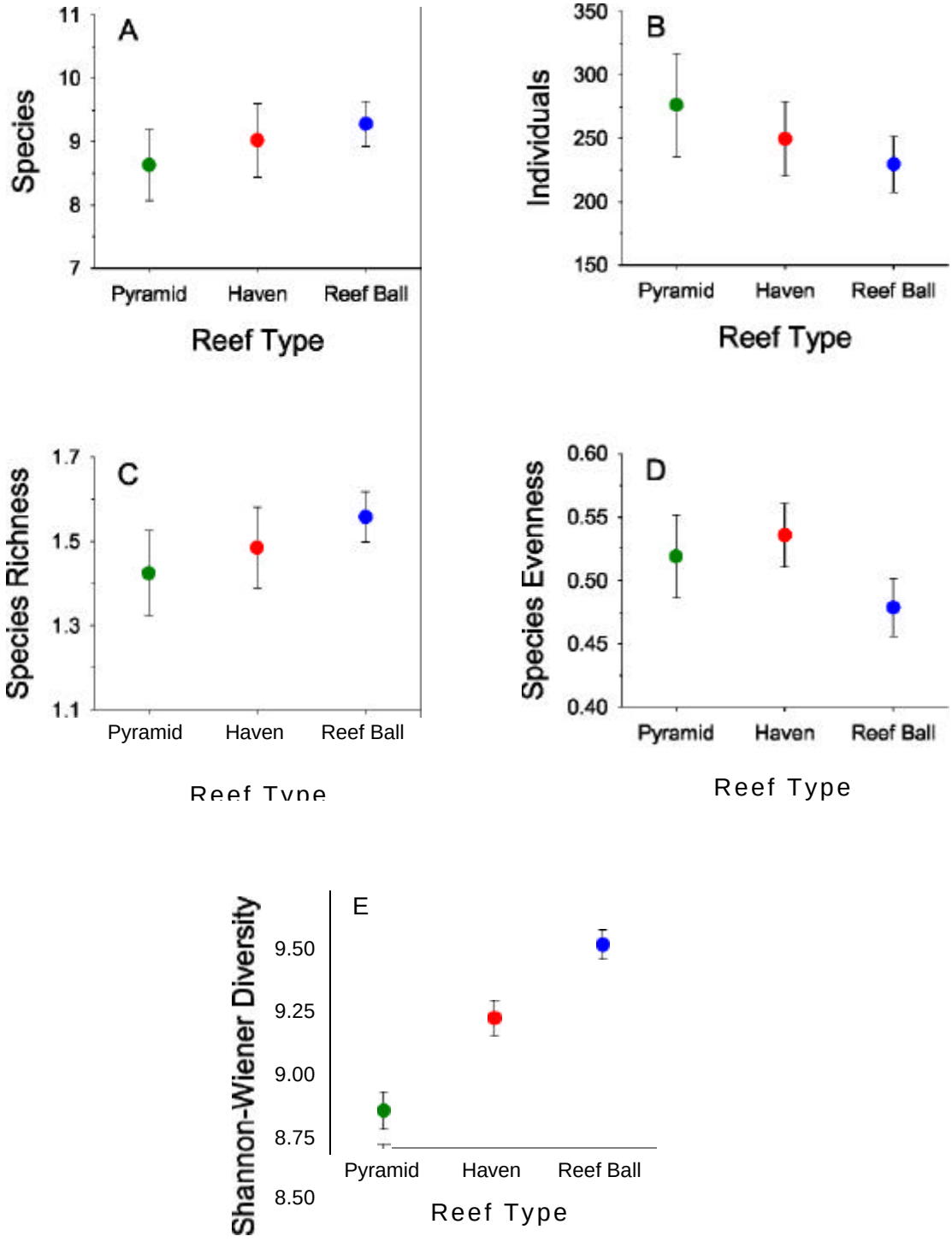


Figure 12. Species diversity measures computed for the three depth strata sampled with ROV-based video in 2005-06. Panel A depicts estimated mean (±SE) number of species present and B depicts estimated mean (±SE) number of individual fish. Panels C-E depict mean (±SE) species richness (d), evenness (J'), and diversity (H').

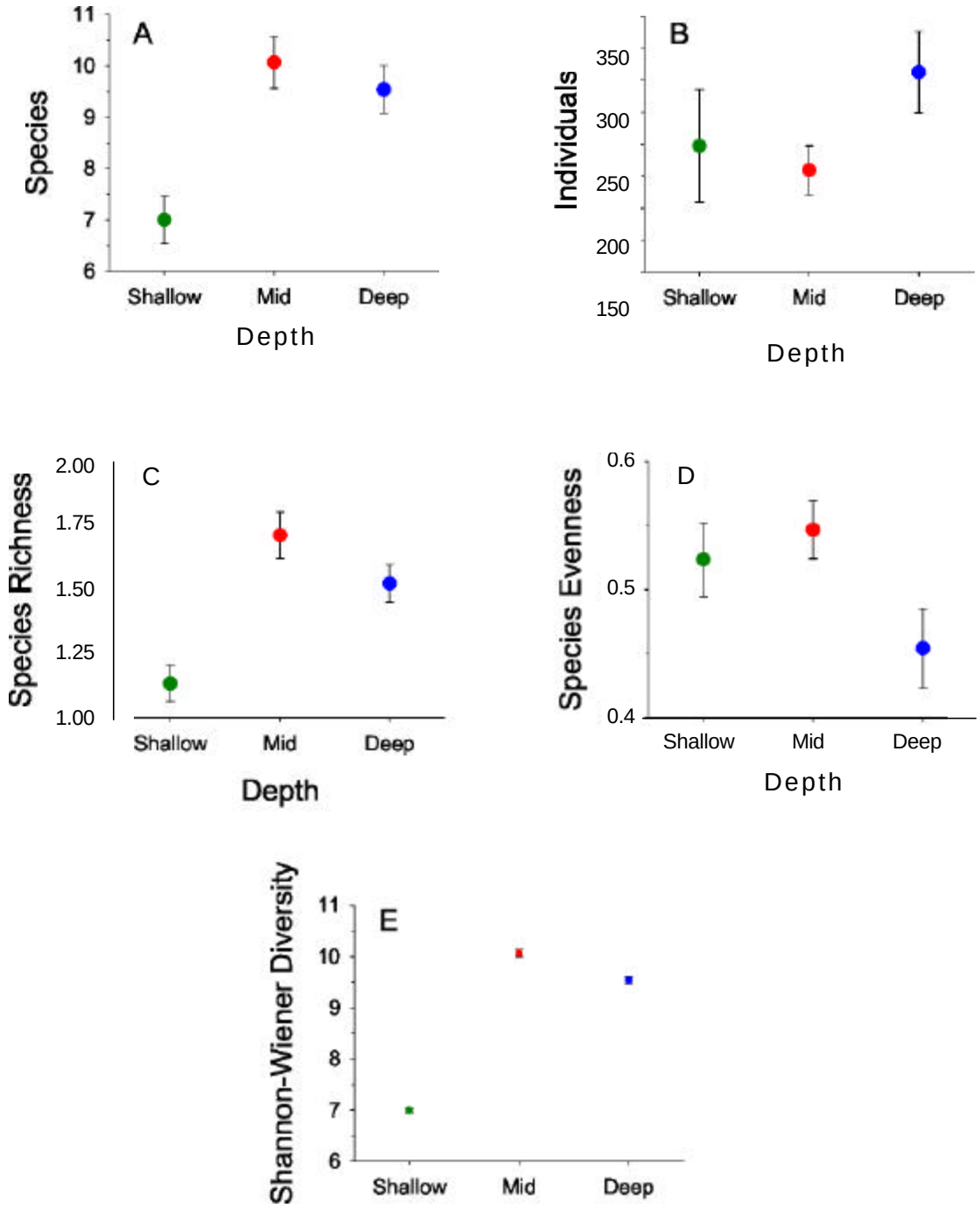
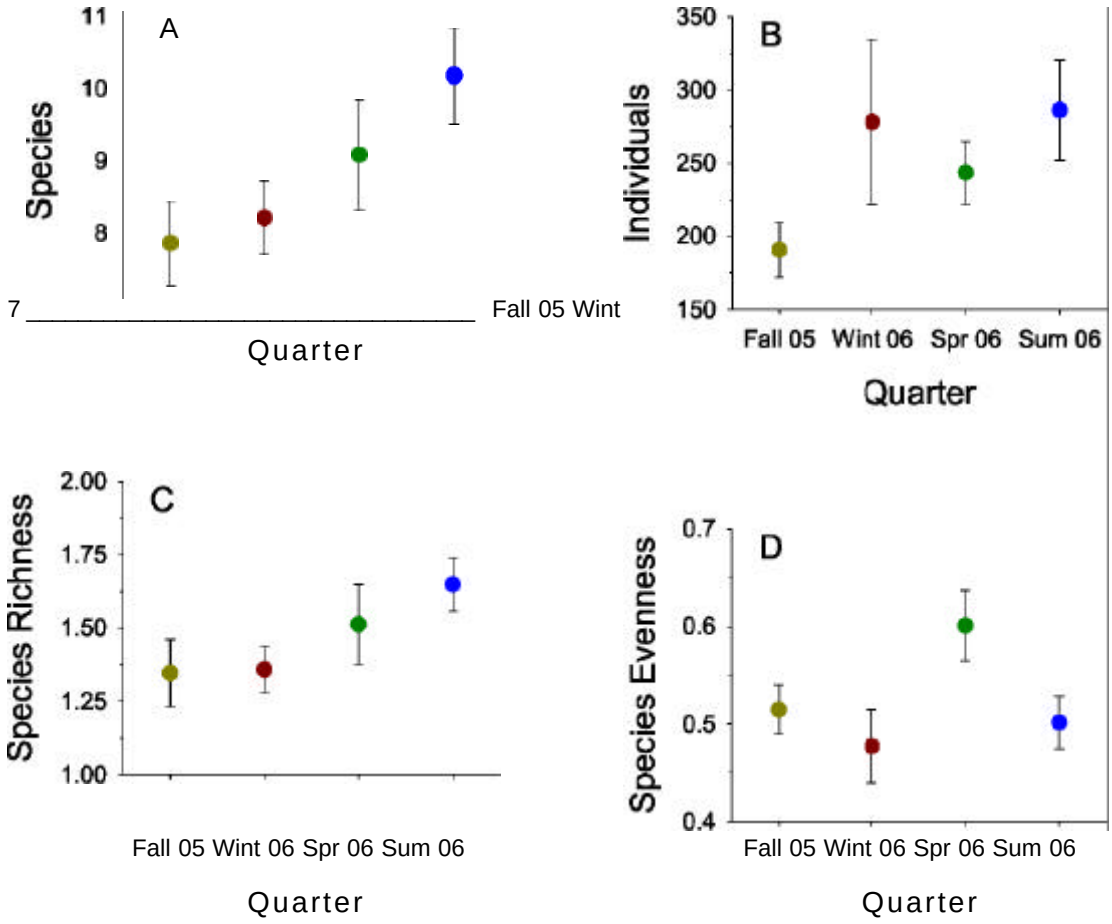


Figure 13. Species diversity measures computed for the four quarters in which ROV-based video was collected in 2005-06. Panel A depicts estimated mean (±SE) number of species present and B depicts estimated mean (±SE) number of individual fish. Panels C-E depict mean (±SE) species richness (d), evenness (J'), and diversity (H').



Depth

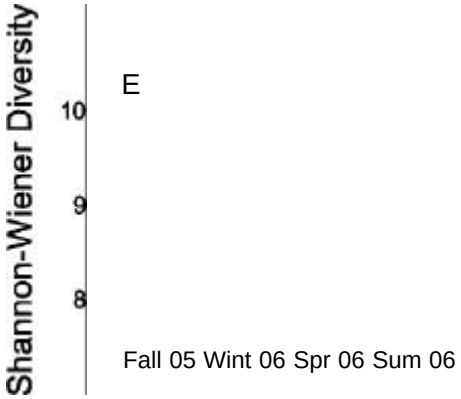

Shannon-Wiener Diversity
10
9
8
E
Fall 05 Wint 06 Spr 06 Sum 06
Quarter

Figure 14. Estimated length frequency distributions of red snapper present at artificial reef sampling sites from spring 2005 through spring 2006. Fish length was estimated with fixed-width lasers mounted on the ROV. Dotted vertical lines indicate the federal minimum size limit (408 mm) in the recreational fishery. Sample sizes are provided on each panel.

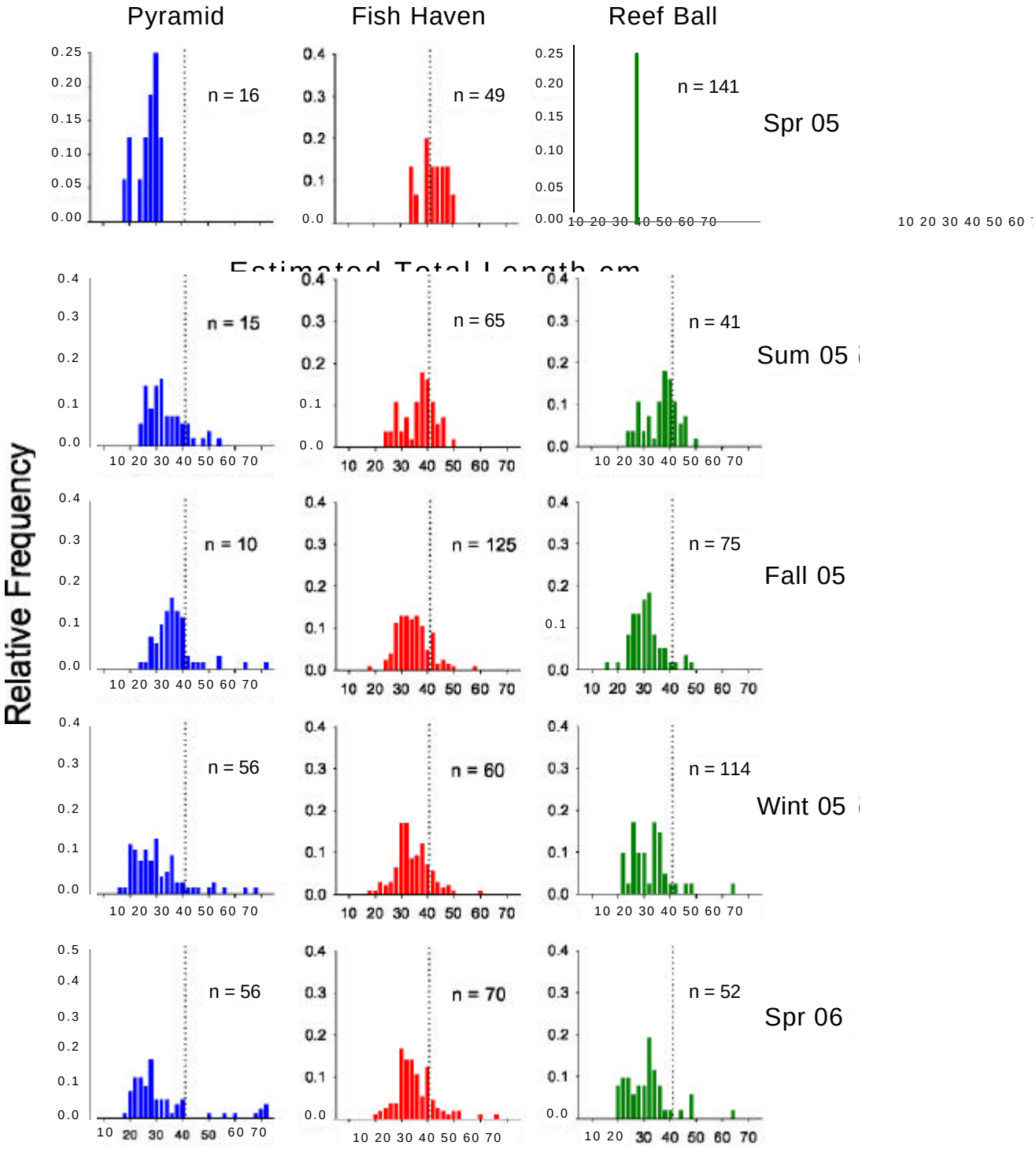


Figure 15. Estimated length frequency distributions of gray triggerfish present at artificial reef sampling sites from spring 2005 through spring 2006. Fish length was estimated with fixed-width lasers mounted on the ROV. Dotted vertical lines indicate the federal minimum size limit (305 mm) in the recreational fishery. Sample sizes are provided on each panel.

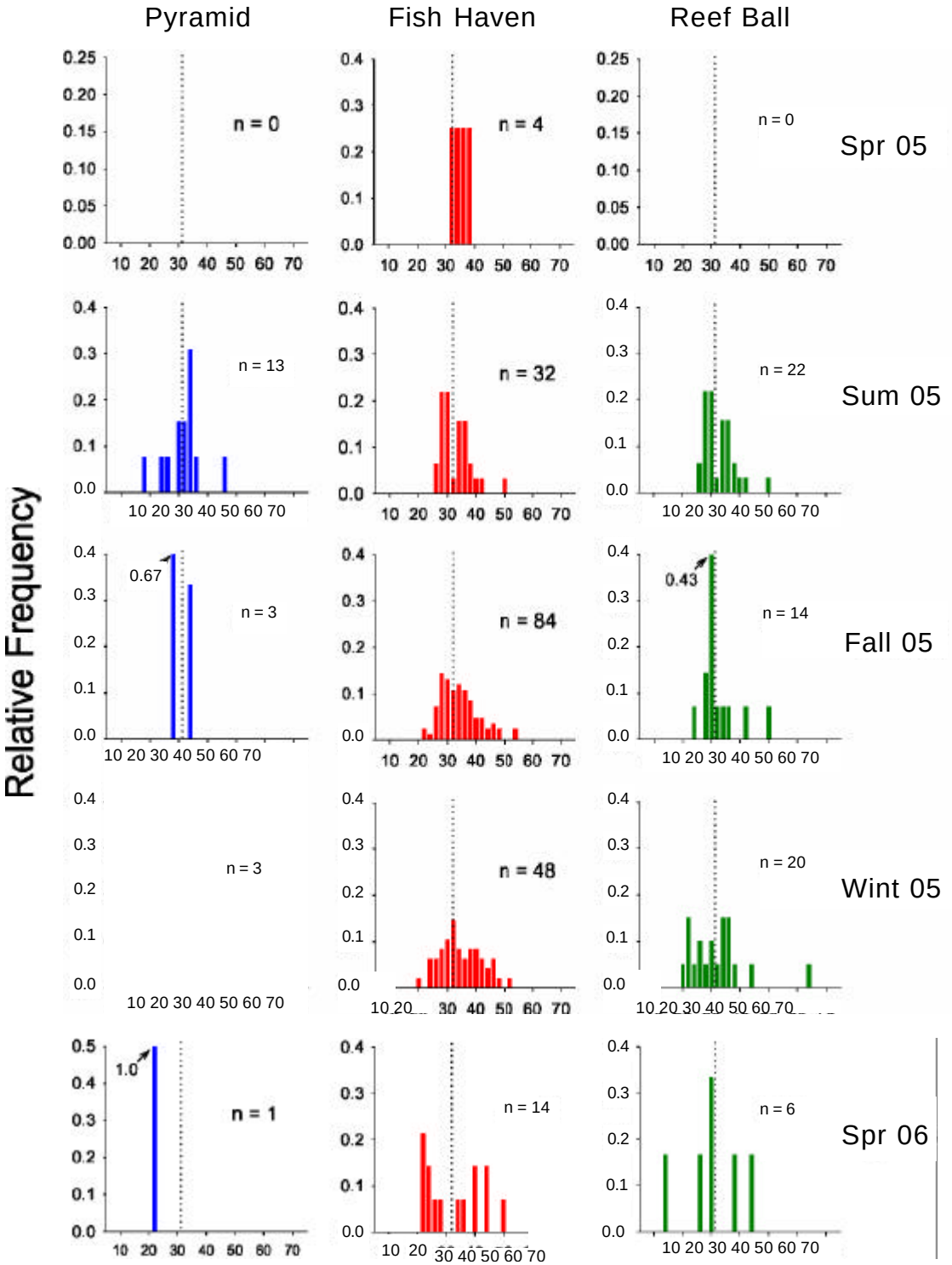
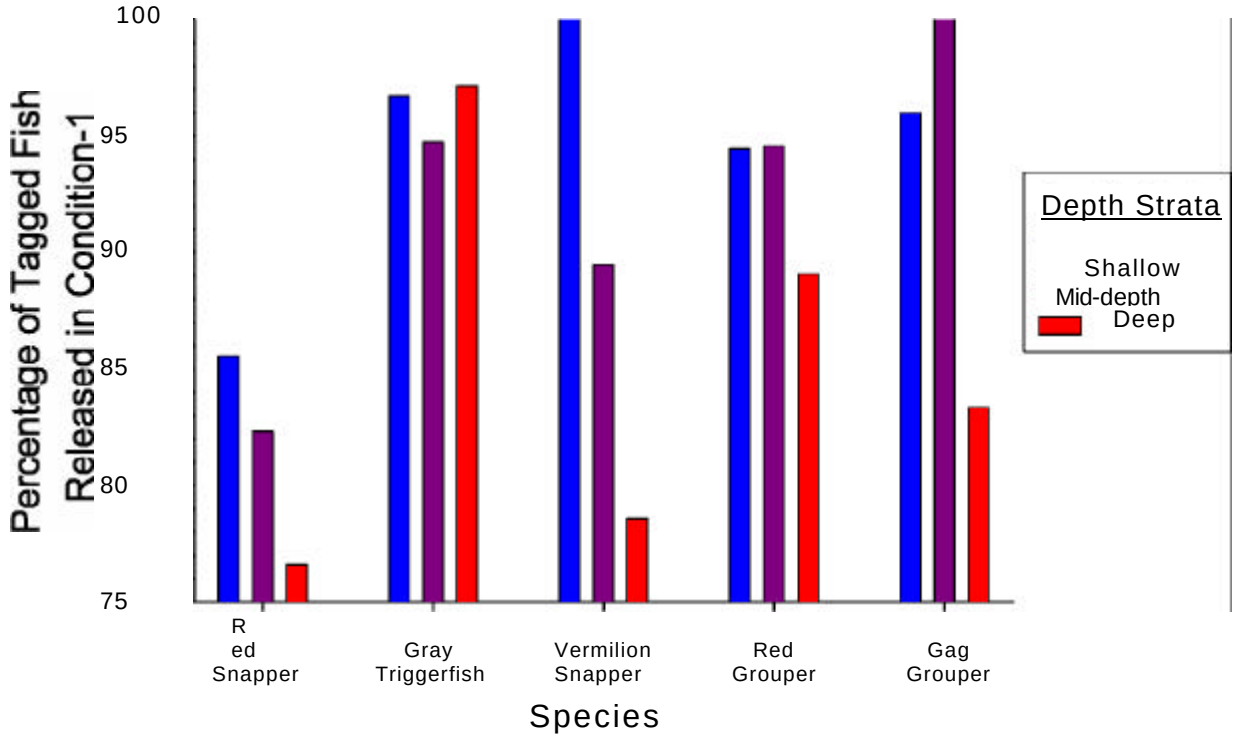
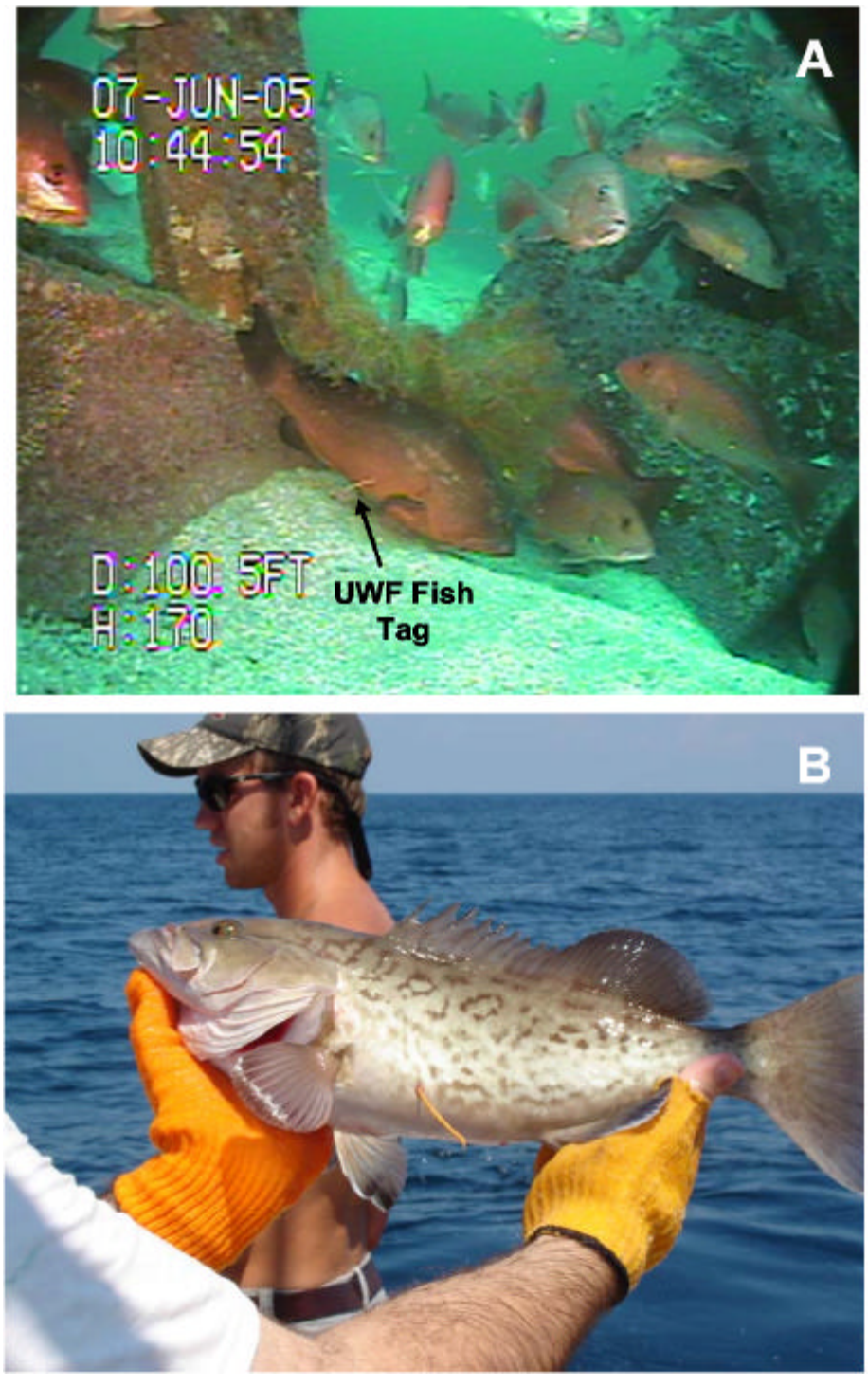


Figure 16. The percentage of tagged fish released in condition-1 for the most frequently tagged species. Shallow stratum <27 m; mid-depth stratum 27 – 32 m; deep stratum >32 m.



Estimated Total Length cm

Figure 17. Digital images of A. a tagged red grouper observed underwater at B2 and B. a recaptured gag grouper that had been at liberty for 75 days (6/9/05).



Appendix:

Tables A1-A10
and
Tagging Poster

Table A1. Tabular inventory of reef condition for study sites visited during 2005-06 quarterly video sampling.

Site	Date First Visited	Date Last Visited	Comments
A12	11/23/04	9/12/06	Module ~0.3 m in sediment and is listing slightly to the NW. Scouring in the N corner observed in the N corner of the structure has filled with sediment. Significant fouling communting exists in concrete
A19	12/19/04	9/13/06	Module ~0.3 m in sediment. Significant fouling community on contrete and rebar. Algae, bryozoans, and sponges present. Significant sponge located on NE side of reef.
A20	12/12/04	9/13/06	Module ~0.3 m in sediment but scoured in the E corner to below the base. Fouling community present includes encrusting invertebrates, bryozoans, and algae.
A3 1	11/29/04	9/13/06	Significant sand wave present that buries N side of module to ~0.5m. Scour on S side exposes module's base. Fouling community not as diverse as A12, A19, and A20.
A34	11/29/04	9/13/06	Module appears to be ~1 .0m below surrounding sediment line, but significant scouring occurs on all sides. Fouling community not as diverse as shallower sites, but significant sponge or bryozoan colony present in NE corner.
A35	11/29/04	9/12/06	Module buried ~0.5 m but scoured to the base in the S corner. Small bryozoans present, as well as encrusting invertebrates. A large, unknown (perhaps bryozoan) invertebrate colony exists on top of reef.
A36	11/29/04	9/12/06	Module on its side pointing W with some burial (to ~0.25m) and scouring. Encrusting sponges present and small bryozoan colonies. Fouling community sparse relative to other A reefs.
A53	11/23/04	9/12/06	N side of module buried ~1m; scouring on S side to ~0.5 m. Significant small bryozoan colonies and encrusting sponge present.
A56	11/23/04	9/12/06	Entire module ~0.3 m in sediment. Algae, bryozoans, and encrusting sponge cover module concrete and rebar.
B1	3/25/05	9/12/06	Modules about 20m apart. Both are toppled; one pointing ENE, the other E. Both have sides buried ~<0.25m in sediment. Low-profile fouling communities on each module; taxa identity uncertain.
B2	3/25/05	9/13/06	Modules sitting next to each other, one upright and one toppled. Both buried to ~0.3 in sediment. Fouling community is low-profile but some small bryozoan colonies present.

Table A1. Tabular inventory of reef sites continued.

Site	Date First Visited	Date Last Visited	Comments
B3	12/12/04	9/13/06	Modules ~1 5m apart, one upright and the other toppled and pointing WNW. Both buried by ~0.25m of sediment. Low-profile fouling community present on both, including small bryozoan colonies.
B4	12/12/04	9/13/06	Modules ~30m apart, one upright and the other toppled and pointing E. Both buried ~0.25m in sediment. Low-profile fouling community present no both modules, including small bryozoan colonies.
B7	12/2/04	9/12/06	Modules ~30m apart, one upright and the other toppled and pointing NNE. Toppled module buried ~0.25m; upright module buried ~1m in sediment with significant scouring around it. Sparse fouling community on upright module; significant small bryozoan colonies and algae on toppled module
B8	11/23/04	9/12/06	Modules together ~8 m apart, one upright and one toppled. Upright module buried in sediment ~0.5m with scour in SE corner. Toppled module buried ~0.25m pointed toward NE. Low profile fouling community on each with bryozoans present.
B9	11/29/04	9/13/06	Modules ~1 5m apart, one upright and one toppled. Upright module buried ~0.5m but significant scour on all sides. Toppled module pointing to NE, buried ~0.3 m with scouring. Fouling community includes sponge, bryozoans and algae.
B11	11/29/04	9/13/06	Modules ~30m apart, both toppled, one pointed WNW other ESE. Both buried ~0.25m with little scouring. Most developed fouling community of all B reefs. Significant bryozoan colonies and algae present on both.
B16	3/24/05	9/12/06	Modules ~45m apart, one upright and one toppled. Upright module buried ~0.3m with scouring around base; fishing rod has rested on NW side since Hurrican Katrina. Toppled module buried ~0.3m and pointed E. Low profile fouling community present. Toppled also had algae present.
C12	12/12/04	9/13/06	Modules touching, positioned ~0.3m below sediment line but scouring around their bases. Significant invertebrate fouling community. Bryozoans and red algae present.
C14	12/12/04	9/13/06	Modules ~20m apart with both siting in scoured depressions (~0.25m). Significant encrusting invertebrates cover each. Bryozoans were abundant on 1st module. Red algae present on module 2.
C15	11/29/05	9/13/06	Modules ~2m apart siting is scoured depressions (~0.25m). Significant encrusting invertebrates cover each module. Little algae present.
C21	11/29/05	9/13/06	Modules side by side, one missing ¼ of structure (top), both buried ~0.25m. Sponge and bryozoans present. Red algae covers both modules; most significant algal coverage of all sites.

Table A1. Tabular inventory of reef sites continued.

Site	Date First Visited	Date Last Visited	Comments
C22	11/29/05	9/13/06	Modules <0.5m apart. Both buried ~0.25m with scouring around bases. Encrusting sponge prominent on both. Red algae also present.
C25	3/24/05	9/12/06	Modules ~1 .5m apart. Top half of one module not present; base buried in a scoured depression. Second module covered in encrusting invertebrates. Red algae present by not abundant.
C32	11/23/04	9/12/06	Modules ~1m apart. One missing 2/3 of its structure, other buried halfway in sediment. Invertebrate fouling community sparse. No algae present.
C3 6	11/23/04	9/12/06	Modules ~20m apart. 1st module buried in 0.3m of sediment but scoured around base. Only small portion of 2nd module present sticking ~20cm above sediment. Fouling community sparse but low-profile encrusting community present on 1st module.
C39	11/23/04	9/12/06	Modules ~0.5m apart. Both are buried almost completely by sediment. Sponges, bryozoans and sea stars present. Reef in worse shape than any others.

Table A2. Fish taxa identified in video collected at study sites through summer 2006.

Species	Common Name	Species	Common Name
			Tomtate
			Slippery Dick
			Bluntnose Jack
			Pearly Razorfish
			Blue Angelfish
			Barrelfish
	Dotterel Filefish		Scrawled Cowfish
Aluterus heudeloti	Unicorn Filefish	*Haemulon aurolineatum*	Trunkfish
Aluterus monoceros	Orange Filefish	*Halichoeres bivittatus*	Pinfish
Aluterus schoepfi	Scrawled Filefish	*Hemicaranx amblyrhynchus*	Red Snapper
Aluterus scriptus	Two-spot Cardinalfish	*Hemipteronotus novacula*	Gray Snapper
Apogon pseudomaculatus	Gray Triggerfish	*Holacanthus bermudensis*	Lane Snapper
Balistes capriscus	Triggerfish/Filefish	*Hyperoglyphe perciformis*	Planehead Filefish
Balistidae	Blennies	*Lactophrys quadricornis*	Pygmy Filefish
Blenniidae	Whitebone Porgy	*Lactophrys trigonus*	Gag Grouper
Calamus leucosteus	Knobbed Porgy	*Lagodon rhomboides*	Scamp
Calamus nodosus	Porgies	*Lutjanus campechanus*	Red Porgy
Calamus sp.	Blue Runner	*Lutjanus griseus*	Gulf Flounder
Caranx crysos	Bar Jack	*Lutjanus synagris*	Bigeye
Caranx ruber	Blacktip Shark	*Monacanthus hispidus*	Cobia
Carcharhinus limbatus	Sandbar Shark	*Monacanthus setifer*	Vermillion Snapper
Carcharhinus plumbeus	Requiem Sharks	*Mycteroperca microlepis*	Whitespotted Soapfish
Carcharhinus sp.	Bank Sea Bass	*Mycteroperca phenax*	Red Drum
Centropristis ocyurus	Spadefish	*Pagrus pagrus*	King Mackerel
Chaetodipterus faber	Spotfin Butterflyfish	*Paralichthys albigutta*	Greater Amberjack
Chaetodon ocellatus	Striped Burrfish	*Priacanthus arenatus*	Lesser Amberjack
Chilomycterus schoepfi	Damselfish	*Rachycentron canadum*	Almaco Jack
Chromis sp.	Southern Stingray	*Rhomboplites aurorubens*	Banded Rudderfish
Dasyatis americana	Mackerel Scad	*Rypticus maculatus*	Sea Basses
Decapterus macarellus	Sand Perch	*Sciaenops ocellatus*	Great Barracuda
Diplectrum formosum	Sharksucker	*Scomberomorus cavalla*	Beaugregory
Echeneis naucrates	Rainbow Runner	*Seriola dumerili*	Damselfish
Elagatis bipinnulata	Red Grouper	*Seriola fasciata*	
Epinephelus morio	Warsaw Grouper	*Seriola rivoliana*	
Epinephelus nigritus	Snowy Grouper	*Seriola zonata*	
Epinephelus niveatus	Jacknife Fish	*Serranidae*	
Equetus lanceolatus	Drum genus	*Sphyraena barracuda*	
Equetus sp.	Cubbyu	*Ste gastes leucostictus*	
Equetus umbrosus	Nurse Shark	*Ste gastes sp.*	
Gin glymostoma cirratum		Unknown small fishes	

Table A3. Fishes identified and enumerated over unreported artificial reefs off northwest Florida in the northern Gulf of Mexico during fall 2005. Modules at a given site were sampled separately if they were greater than 10 m apart. Abundances at those sites are reported for each module (a,b) and also summed (T) between modules.

Taxon		A12	A19	A20	A31	A34	A35	A36	A53
Aluterus heudeloti									
Aluterus monoceros									
Aluterus schoepfi									
Aluterus scriptus									
Apogon pseudomaculatus									
Balistes capriscus		4	5		2		2	6	9
Balistidae									
Blenniidae									
Calamus leucosteus					1				
Calamus nodosus									
Calamus sp.									
Caranx crysos									
Caranx ruber			1						
Carcharhinus limbatus									
Carcharhinus plumbeus									
Carcharhinus sp.									
Centropristis ocyurus							3	3	
Chaetodipterus faber	32	96					172	160	
Chaetodon ocellatus					1				
Chilomycterus schoepfi									
Chromis sp.									
Dasyatis americana	1								
Decapterus macarellus									
Diplectrum formosum								2	
Echeneis naucrates									
Elagatis bipinnulata									
Epinephelus morio			1	1	1	1			
Epinephelus nigritus									1
Epinephelus niveatus									
Equetus lanceolatus		1							
Equetus sp.									
Equetus umbrosus									
Ginglymostoma cirratum									
Haemulon aurolineatum		139					84		
Halichoeres bivittatus									
Hemicaranx amblyrhynchus						4			
Hemipteronotus novacula									
Holacanthus bermudensis					1				
Hyperoglyphe perciformis									
Lactophrys quadricornis									
Lactophrys trigonus									
Lagodon rhomboides					1				
Lutjanus campechanus	72	10	72	42	38	70	5	51	150
Lutjanus griseus			6		5	4			
Lutjanus synagris		3						2	
Monacanthus hispidus		2							
Monacanthus setifer									
Mycteroperca microlepis			4	1					
Mycteroperca phenax		1	2	1		2			
Pagrus pagrus			7	3	1				
Paralichthys albigutta									
Priacanthus arenatus		1							
Rachycentron canadum									
Rhomboplites aurorubens			4	21	5	4		10	
Rypticus maculatus					1				3
Sciaenops ocellatus									
Scomberomorus cavalla									
Seriola dumerili		17	8		2				
Seriola fasciata									
Seriola rivoliana			1	3	9				
Seriola zonata									
Serranidae									
Sphyraena barracuda									
Stegastes leucostictus									
Stegastes sp.									
Unknown small fishes									

Taxon	B1a	B1b	B1T	B2	B3	B4a	B4b	B4T	B7a
Aluterus heudeloti									
Aluterus monoceros					2	2	1	3	
Aluterus schoepfi									
Aluterus scriptus									
Apogon pseudomaculatus									
Balistes capriscus				23	29	26	4	30	16
Balistidae									
Blenniidae									
Calamus leucosteus									
Calamus nodosus									
Calamus sp.									
Caranx crysos					1				
Caranx ruber					1				
Carcharhinus limbatus									
Carcharhinus plumbeus									
Carcharhinus sp.									
Centropristis ocyurus									
Chaetodipterus faber									
Chaetodon ocellatus									
Chilomycterus schoepfi									
Chromis sp.									
Dasyatis americana									
Decapterus macarellus									
Diplectrum formosum									
Echeneis naucrates									
Elagatis bipinnulata					4	1			
Epinephelus morio	1		1	1	1	1		1	
Epinephelus nigritus									
Epinephelus niveatus									
Equetus lanceolatus	4		4						
Equetus sp.									
Equetus umbrosus									
Ginglymostoma cirratum									
Haemulon aurolineatum	20		20						
Halichoeres bivittatus									
Hemicaranx amblyrhynchus									
Hemipteronotus novacula									
Holacanthus bermudensis									
Hyperoglyphe perciformis									
Lactophrys quadricornis									
Lactophrys trigonus									
Lagodon rhomboides									
Lutjanus campechanus	115	24	139	31	18	73	82	155	55
Lutjanus griseus					63	39	5	44	
Lutjanus synagris					1				
Monacanthus hispidus									
Monacanthus setifer									
Mycteroperca microlepis				2	2		1	1	3
Mycteroperca phenax					4	1		1	2
Pagrus pagrus					2	5		5	3
Paralichthys albigutta									
Priacanthus arenatus									
Rachycentron canadum									
Rhomboplites aurorubens	33		33		2				
Rypticus maculatus				4	2	2	4	6	1
Sciaenops ocellatus									
Scomberomorus cavalla									
Seriola dumerili				4	35	10	38	48	
Seriola fasciata									
Seriola rivoliana						2	5	7	
Seriola zonata									
Serranidae									
Sphyraena barracuda									
Stegastes leucostictus									
Stegastes sp.									
Unknown small fishes				258					

Table A3. continued.

Table A3. continued.

Taxon		B7b	B7T	B8	B9a	B9b	B9T	B11a	B11b B11T
Aluterus heudeloti									
Aluterus monoceros									
Aluterus schoepfi									
Aluterus scriptus									
Apogon pseudomaculatus									
Balistes capriscus	6	22	18	29	20	49	15	24	39
Balistidae									
Blenniidae									
Calamus leucosteus									
Calamus nodosus									
Calamus sp.									
Caranx crysos									
Caranx ruber									
Carcharhinus limbatus								1	1
Carcharhinus plumbeus									
Carcharhinus sp.									
Centropristis ocyurus									
Chaetodipterus faber									
Chaetodon ocellatus									
Chilomycterus schoepfi									
Chromis sp.									
Dasyatis americana									
Decapterus macarellus									
Diplectrum formosum									
Echeneis naucrates									
Elagatis bipinnulata									
Epinephelus morio			1		1	1	1		1
Epinephelus nigritus									
Epinephelus niveatus									
Equetus lanceolatus									
Equetus sp.									
Equetus umbrosus									
Ginglymostoma cirratum									
Haemulon aurolineatum									
Halichoeres bivittatus									
Hemicaranx amblyrhynchus									
Hemipteronotus novacula									
Holacanthus bermudensis									
Hyperoglyphe perciformis									
Lactophrys quadricornis									
Lactophrys trigonus									
Lagodon rhomboides									
Lutjanus campechanus	15	70	140	26	69	95	150	183	333
Lutjanus griseus			1					1	1
Lutjanus synagris									
Monacanthus hispidus									
Monacanthus setifer									
Mycteroperca microlepis	1	4		1		1			
Mycteroperca phenax		2		3	2	5		3	3
Pagrus pagrus		3		1	1	2	1		1
Paralichthys albigutta									
Priacanthus arenatus									
Rachycentron canadum									
Rhomboplites aurorubens							5		5
Rypticus maculatus	3	4	1	3	1	4	1		1
Sciaenops ocellatus									
Scomberomorus cavalla									
Seriola dumerili				6		6	5	15	46
Seriola fasciata									
Seriola rivoliana									
Seriola zonata									
Serranidae									
Sphyraena barracuda							2		2
Stegastes leucostictus									
Stegastes sp.									
Unknown small fishes	149	149	170						

Taxon	B16a	B16b	B16T	C12	C14a	C14b	C14T	C15	C21
Aluterus heudeloti / *Aluterus monoceros*									
Aluterus schoepfi									
Aluterus scriptus									
Apogon pseudomaculatus									
Balistes capriscus	7	22	29	6	14	14	28		12
Balistidae									
Blenniidae									
Calamus leucosteus									
Calamus nodosus									
Calamus sp.									
Caranx crysos									
Caranx ruber									
Carcharhinus limbatus									
Carcharhinus plumbeus									
Carcharhinus sp.									
Centropristis ocyurus									
Chaetodipterus faber									51
Chaetodon ocellatus									
Chilomycterus schoepfi									
Chromis sp.									
Dasyatis americana									
Decapterus macarellus									
Diplectrum formosum									
Echeneis naucrates									
Elagatis bipinnulata									
Epinephelus morio		2	2	1		1	1		1
Epinephelus nigritus								197	
Epinephelus niveatus									
Equetus lanceolatus							1		
Equetus sp.									
Equetus umbrosus									
Ginglymostoma cirratum									
Haemulon aurolineatum									
Halichoeres bivittatus				6					
Hemicaranx amblyrhynchus									
Hemipteronotus novacula									
Holacanthus bermudensis									
Hyperoglyphe perciformis									
Lactophrys quadricornis									
Lactophrys trigonus									
Lagodon rhomboides									
Lutjanus campechanus	66	24	90	151	41	61	102	30	146
Lutjanus griseus					11	7	18		
Lutjanus synagris									22
Monacanthus hispidus									
Monacanthus setifer									
Mycteroperca microlepis	1		1	5	3	2	5	2	
Mycteroperca phenax	1	3	4		1	1	2		4
Pagrus pagrus	3		3	1		20	20	1	1
Paralichthys albigutta									
Priacanthus arenatus									
Rachycentron canadum									
Rhomboplites aurorubens						9	9		10
Rypticus maculatus				2		1	1		
Sciaenops ocellatus									
Scomberomorus cavalla									
Seriola dumerili	7		7					28	1
Seriola fasciata									
Seriola rivoliana					1		1	1	
Seriola zonata									
Serranidae									
Sphyraena barracuda									
Stegastes leucostictus									
Stegastes sp.									
Unknown small fishes									

Table A3. continued.

Taxon	C22	C25	C32	C36	C39
Aluterus heudeloti					
Aluterus monoceros					
Aluterus schoepfi					
Aluterus scriptus					
Apogon pseudomaculatus					
Balistes capriscus	8	2	1		
Bali stidae					
Blenniidae					
Calamus leucosteus					
Calamus nodosus					
Calamus sp.					
Caranx crysos					
Caranx ruber					
Carcharhinus limbatus					
Carcharhinus plumbeus					
Carcharhinus sp.					
Centropristis ocyurus			8	3	12
Chaetodipterus faber				17	
Chaetodon ocellatus					
Chilomycterus schoepfi					
Chromis sp.					
Dasyatis americana					
Decapterus macarellus				10	58
Diplectrum formosum			1	2	
Echeneis naucrates					
Elagatis bipinnulata					
Epinephelus morio	1	1			
Epinephelus nigritus					
Epinephelus niveatus					
Equetus lanceolatus				1	
Equetus sp.					
Equetus umbrosus		1			
Gin glymostoma cirratum		2			
Haemulon aurolineatum				38	84
Halichoeres bivittatus					
Hemicaranx amblyrhynchus					
Hemipteronotus novacula					
Holacanthus bermudensis					
Hyperoglyphe perciformis					
Lactophrys quadricornis					
Lactophrys trigonus					
Lagodon rhomboides					
Lutjanus campechanus	257	118	75	19	1
Lutjanus griseus					
Lutjanus synagris		2			
Monacanthus hispidus					
Monacanthus setifer					
Mycteroperca microlepis	2				
Mycteroperca phenax	2				
Pagrus pagrus	2	1			
Paralichthys albigutta					
Priacanthus arenatus					
Rachycentron canadum					
Rhomboplites aurorubens	9	17	16		
Rypticus maculatus	3		2		
Sciaenops ocellatus					
Scomberomorus cavalla					
Seriola dumerili	13	1			
Seriola fasciata					
Seriola rivoliana	5				
Seriola zonata					
Serranidae					
Sphyraena barracuda					
Stegastes leucostictus					
Stegastes sp.					
Unknown small fishes		1			

Table A4. Fishes identified and enumerated over unreported artificial reefs off northwest Florida in the northern Gulf of Mexico during winter 2006. Modules at a given site were sampled separately if they were greater than 10 m apart. Abundances at those sites are reported for each module (a,b) and also summed (T) between modules.

Taxon	A12		A19		A20		A31		A34		A35		A36		A53 A56	
Aluterus heudeloti																
Aluterus monoceros																
Aluterus schoepfi																
Aluterus scriptus																
Apogon pseudomaculatus																
Balistes capriscus	1			1										3		7
Balistidae																
Blenniidae																
Calamus leucosteus																
Calamus nodosus				1												
Calamus sp.																
Caranx crysos		22									123					
Caranx ruber																
Carcharhinus limbatus																
Carcharhinus plumbeus																
Carcharhinus sp.																
Centropristis ocyurus	1	46									34		4		1	
Chaetodipterus faber		187									107		118			
Chaetodon ocellatus																
Chilomycterus schoepfi																
Chromis sp.																
Dasyatis americana																
Decapterus macarellus		153									61		832			
Diplectrum formosum															1	
Echeneis naucrates																
Elagatis bipinnulata																
Epinephelus morio				1		1		1		1						
Epinephelus nigritus																
Epinephelus niveatus																
Equetus lanceolatus		1														
Equetus sp.																
Equetus umbrosus																
Ginglymostoma cirratum		1														
Haemulon aurolineatum		109						72			28		242			
Halichoeres bivittatus				2		3										
Hemicaranx amblyrhynchus																
Hemipteronotus novacula																
Holacanthus bermudensis								1								
Hyperoglyphe perciformis														2		
Lactophrys quadricornis																
Lactophrys trigonus																
Lagodon rhomboides										1						
Lutjanus campechanus	88	46		44		38		50		228		29		69		129
Lutjanus griseus				11												
Lutjanus synagris		3						3				1				
Monacanthus hispidus																
Monacanthus setifer		1														
Mycteroperca microlepis				2		1										
Mycteroperca phenax				2		1										
Pagrus pagrus				18				2		1		2				
Paralichthys albigutta																
Priacanthus arenatus																
Rachycentron canadum																
Rhomboplites aurorubens	1			20		2		70		2						
Rypticus maculatus																2
Sciaenops ocellatus												1				
Scomberomorus cavalla																
Seriola dumerili				7				2		2		1				1
Seriola fasciata												2				
Seriola rivoliana								5		4				1		
Seriola zonata																
Serranidae																
Sphyraena barracuda																
Stegastes leucostictus																
Stegastes sp.																
Unknown small fishes																

Table A4. continued.

Taxon		B1a	B1b	B1T	B2	B3	B4a	B4b	B4T B7a
Aluterus heudeloti									
Aluterus monoceros									
Aluterus schoepfi						2		2	
Aluterus scriptus									
Apogon pseudomaculatus									
Balistes capriscus				16	21	25	4	29	
Balistidae									
Blenniidae									
Calamus leucosteus					1		1	1	
Calamus nodosus									
Calamus sp.									
Caranx crysos									
Caranx ruber									
Carcharhinus limbatus									
Carcharhinus plumbeus									
Carcharhinus sp.									
Centropristis ocyurus									
Chaetodipterus faber									
Chaetodon ocellatus									
Chilomycterus schoepfi									
Chromis sp.									
Dasyatis americana									
Decapterus macarellus	234	629	863						
Diplectrum formosum									
Echeneis naucrates									
Elagatis bipinnulata									
Epinephelus morio		1	1	2	1				
Epinephelus nigritus		1	1						
Epinephelus niveatus									
Equetus lanceolatus	2	1	3						
Equetus sp.									
Equetus umbrosus	2		2						
Ginglymostoma cirratum									
Haemulon aurolineatum	89	15	104						
Halichoeres bivittatus		1	1	2					
Hemicaranx amblyrhynchus									
Hemipteronotus novacula									
Holacanthus bermudensis							1	1	
Hyperoglyphe perciformis			2						
Lactophrys quadricornis									
Lactophrys trigonus									
Lagodon rhomboides									
Lutjanus campechanus	44	35	79	53	26	66	85	151	32
Lutjanus griseus				1	57	47	1	48	
Lutjanus synagris									2
Monacanthus hispidus									
Monacanthus setifer									
Mycteroperca microlepis				3	7	1	2	3	1
Mycteroperca phenax					3	1	2	3	2
Pagrus pagrus				1		2	5	7	
Paralichthys albigutta									
Priacanthus arenatus									
Rachycentron canadum									
Rhomboplites aurorubens		1	1		64				
Rypticus maculatus	1		1				2	2	1
Sciaenops ocellatus									
Scomberomorus cavalla					1				
Seriola dumerili				7		1	10	11	
Seriola fasciata									
Seriola rivoliana							2	2	
Seriola zonata					7				
Serranidae									
Sphyraena barracuda									
Stegastes leucostictus									
Stegastes sp.									
Unknown small fishes		57	57	239					

Table A4. continued.

Taxon		B7b	B7T	B8	B9a	B9b	B9T	B11a	B11b B11T
Aluterus heudeloti									
Aluterus monoceros									
Aluterus schoepfi									
Aluterus scriptus									
Apogon pseudomaculatus									
Balistes capriscus	12	12	30	14	13	27	3	34	37
Balistidae									
Blenniidae									
Calamus leucosteus									
Calamus nodosus									
Calamus sp.									
Caranx crysos									
Caranx ruber									
Carcharhinus limbatus									
Carcharhinus plumbeus									
Carcharhinus sp.									
Centropristis ocyurus									
Chaetodipterus faber									
Chaetodon ocellatus									
Chilomycterus schoepfi									
Chromis sp.									
Dasyatis americana									
Decapterus macarellus									
Diplectrum formosum									
Echeneis naucrates									
Elagatis bipinnulata									
Epinephelus morio				1	1	2	1	1	2
Epinephelus nigritus									
Epinephelus niveatus									
Equetus lanceolatus									
Equetus sp.									
Equetus umbrosus									
Ginglymostoma cirratum									
Haemulon aurolineatum									
Halichoeres bivittatus									
Hemicaranx amblyrhynchus									
Hemipteronotus novacula									
Holacanthus bermudensis									
Hyperoglyphe perciformis									
Lactophrys quadricornis									
Lactophrys trigonus									
Lagodon rhomboides									
Lutjanus campechanus	30	62	132	107	46	153	267	115	382
Lutjanus griseus			1						
Lutjanus synagris		2					1		1
Monacanthus hispidus									
Monacanthus setifer									
Mycteroperca microlepis	1	2							
Mycteroperca phenax	3	5		2	1	3		2	2
Pagrus pagrus	1	1	2		3	3	8	25	33
Paralichthys albigutta									
Priacanthus arenatus									
Rachycentron canadum	1	1							
Rhomboplites aurorubens							5	3	8
Rypticus maculatus		1	4				3		3
Sciaenops ocellatus									
Scomberomorus cavalla									
Seriola dumerili				3		3			
Seriola fasciata									
Seriola rivoliana			3	2		2	1	3	4
Seriola zonata									
Serranidae									
Sphyraena barracuda									
Stegastes leucostictus									
Stegastes sp.									
Unknown small fishes									

Table A4. continued.

Taxon	B16a	B16b	B16T	C12	C14a	C14b	C14T	C15	C21
Aluterus heudeloti									
Aluterus monoceros					1		1		
Aluterus schoepfi									
Aluterus scriptus									
Apogon pseudomaculatus									
Balistes capriscus	16	1	17	5	26	15	41	2	23
Balistidae		1	1						
Blenniidae									
Calamus leucosteus									
Calamus nodosus									
Calamus sp.									
Caranx crysos									
Caranx ruber									
Carcharhinus limbatus									
Carcharhinus plumbeus									
Carcharhinus sp.									
Centropristis ocyurus									
Chaetodipterus faber									60
Chaetodon ocellatus									
Chilomycterus schoepfi									
Chromis sp.									
Dasyatis americana									
Decapterus macarellus									
Diplectrum formosum									
Echeneis naucrates				1					
Elagatis bipinnulata									
Epinephelus morio				1	1		1	1	2
Epinephelus nigritus									
Epinephelus niveatus									
Equetus lanceolatus									
Equetus sp.									
Equetus umbrosus									
Ginglymostoma cirratum				1					
Haemulon aurolineatum									
Halichoeres bivittatus				4	1		1	1	
Hemicaranx amblyrhynchus									
Hemipteronotus novacula									
Holacanthus bermudensis									
Hyperoglyphe perciformis									
Lactophrys quadricornis									
Lactophrys trigonus									
Lagodon rhomboides									
Lutjanus campechanus	179	55	234	119	127	17	144	33	125
Lutjanus griseus					18	14	32		
Lutjanus synagris									
Monacanthus hispidus									
Monacanthus setifer									
Mycteroperca microlepis	1	2	3	1	2	3	5	17	1
Mycteroperca phenax	1		1		2	2	4		2
Pagrus pagrus	6	4	10	3	4		4	30	4
Paralichthys albigutta									
Priacanthus arenatus									
Rachycentron canadum									
Rhomboplites aurorubens	5	3	8		1		1		16
Rypticus maculatus	1	1	2					1	1
Sciaenops ocellatus									
Scomberomorus cavalla									
Seriola dumerili					26		26	7	1
Seriola fasciata		1	1						
Seriola rivoliana									1
Seriola zonata									
Serranidae									
Sphyraena barracuda									
Stegastes leucostictus									
Stegastes sp.									
Unknown small fishes								52	

Table A4. continued.

Taxon	C22	C25	C32	C36	C39
Aluterus heudeloti					
Aluterus monoceros					
Aluterus schoepfi					
Aluterus scriptus					
Apogon pseudomaculatus					
Balistes capriscus	4	3			
Bali stidae					
Blenniidae					
Calamus leucosteus					
Calamus nodosus					
Calamus sp.					
Caranx crysos					
Caranx ruber					
Carcharhinus limbatus					
Carcharhinus plumbeus					
Carcharhinus sp.					
Centropristis ocyurus			2	5	4
Chaetodipterus faber					
Chaetodon ocellatus					
Chilomycterus schoepfi					
Chromis sp.					
Dasyatis americana					
Decapterus macarellus			68		
Diplectrum formosum			2	1	1
Echeneis naucrates					
Elagatis bipinnulata					
Epinephelus morio	1	1			
Epinephelus nigritus					
Epinephelus niveatus					
Equetus lanceolatus		2		1	
Equetus sp.					
Equetus umbrosus		2			
Gin glymostoma cirratum					
Haemulon aurolineatum				71	
Halichoeres bivittatus					
Hemicaranx amblyrhynchus					
Hemipteronotus novacula					
Holacanthus bermudensis					
Hyperoglyphe perciformis					
Lactophrys quadricornis					
Lactophrys trigonus					
Lagodon rhomboides		1516			
Lutjanus campechanus	145	98	85	46	5
Lutjanus griseus					
Lutjanus synagris		1			
Monacanthus hispidus					
Monacanthus setifer					
Mycteroperca microlepis	6				
Mycteroperca phenax					
Pagrus pagrus		4			
Paralichthys albigutta					
Priacanthus arenatus					
Rachycentron canadum					
Rhomboplites aurorubens	9	139			
Rypticus maculatus	1				
Sciaenops ocellatus					
Scomberomorus cavalla					
Seriola dumerili					
Seriola fasciata					
Seriola rivoliana					
Seriola zonata					
Serranidae					
Sphyraena barracuda					
Stegastes leucostictus					
Stegastes sp.					
Unknown small fishes					

Table A5. Fishes identified and enumerated over unreported artificial reefs off northwest Florida in the northern Gulf of Mexico during spring 2006. Modules at a given site were sampled separately if they were greater than 10 m apart. Abundances at those sites are reported for each module (a,b) and also summed (T) between modules.

Taxon		A12	A20	A31	A34	A35	A36	A53	A56 A12
Aluterus heudeloti									
Aluterus monoceros									
Aluterus schoepfi								1	
Aluterus scriptus									
Apogon pseudomaculatus									
Balistes capriscus					1		2	2	
Balistidae									
Blenniidae									
Calamus leucosteus									
Calamus nodosus									
Calamus sp.									
Caranx crysos									
Caranx ruber									
Carcharhinus limbatus									
Carcharhinus plumbeus									
Carcharhinus sp.									
Centropristis ocyurus						42			
Chaetodipterus faber							4		
Chaetodon ocellatus									
Chilomycterus schoepfi					1				
Chromis sp.									
Dasyatis americana									
Decapterus macarellus	78		164			91	198	62	78
Diplectrum formosum									
Echeneis naucrates									
Elagatis bipinnulata									
Epinephelus morio		1	2	1	1				
Epinephelus nigritus									
Epinephelus niveatus									
Equetus lanceolatus			1						
Equetus sp.									
Equetus umbrosus					1				
Ginglymostoma cirratum									
Haemulon aurolineatum	30			3		37	55	12	30
Halichoeres bivittatus									
Hemicaranx amblyrhynchus									
Hemipteronotus novacula									
Holacanthus bermudensis				1					
Hyperoglyphe perciformis									
Lactophrys quadricornis									
Lactophrys trigonus									
Lagodon rhomboides									
Lutjanus campechanus	72	49	74	198	124	36	95	100	72
Lutjanus griseus		7							
Lutjanus synagris		1						1	
Monacanthus hispidus									
Monacanthus setifer									
Mycteroperca microlepis		2			1				
Mycteroperca phenax		1	1		2				
Pagrus pagrus			4	3	3				
Paralichthys albigutta					1				
Priacanthus arenatus									
Rachycentron canadum									
Rhomboplites aurorubens	17	24	22	68		2		12	17
Rypticus maculatus		2	1		3			1	
Sciaenops ocellatus									
Scomberomorus cavalla									
Seriola dumerili		1	2		14		19	10	
Seriola fasciata				3	3				
Seriola rivoliana		7		3	1				
Seriola zonata									
Serranidae									
Sphyraena barracuda									
Stegastes leucostictus									
Stegastes sp.									
Unknown small fishes									

Table A5. continued.

Taxon	B1a	B1b	B1T	B2	B3	B4a	B4b	B4T	B7a
Aluterus heudeloti									
Aluterus monoceros					2	2		2	
Aluterus schoepfi									
Aluterus scriptus									
Apogon pseudomaculatus									
Balistes capriscus				35	8	21	10	31	4
Balistidae									
Blenniidae									
Calamus leucosteus									
Calamus nodosus									
Calamus sp.									
Caranx crysos							2	2	
Caranx ruber									
Carcharhinus limbatus					1				
Carcharhinus plumbeus					0				
Carcharhinus sp.									
Centropristis ocyurus	3	1	4						
Chaetodipterus faber									
Chaetodon ocellatus									
Chilomycterus schoepfi									
Chromis sp.									
Dasyatis americana									
Decapterus macarellus									
Diplectrum formosum									
Echeneis naucrates									
Elagatis bipinnulata									
Epinephelus morio		1	1		1				1
Epinephelus nigritus									
Epinephelus niveatus									
Equetus lanceolatus	1	1	2						
Equetus sp.									
Equetus umbrosus	1	2	3			2		2	
Ginglymostoma cirratum					1				
Haemulon aurolineatum	40	55	95						
Halichoeres bivittatus									
Hemicaranx amblyrhynchus									
Hemipteronotus novacula									
Holacanthus bermudensis					1	1		1	
Hyperoglyphe perciformis									
Lactophrys quadricornis							1	1	
Lactophrys trigonus									
Lagodon rhomboides									
Lutjanus campechanus	81	5	86	158	54	39	41	80	50
Lutjanus griseus				69	81	49	9	58	6
Lutjanus synagris	8		8	29	4				
Monacanthus hispidus									
Monacanthus setifer									
Mycteroperca microlepis					4	1	2	3	
Mycteroperca phenax				1	3	1	1	2	4
Pagrus pagrus				1	4		3	3	4
Paralichthys albigutta									
Priacanthus arenatus									
Rachycentron canadum									
Rhomboplites aurorubens					84	4		4	
Rypticus maculatus				3	5	1	2	3	2
Sciaenops ocellatus									
Scomberomorus cavalla					2				
Seriola dumerili				19	2	3		3	
Seriola fasciata									
Seriola rivoliana				5					
Seriola zonata					4				
Serranidae									
Sphyraena barracuda									
Stegastes leucostictus									
Stegastes sp.									
Unknown small fishes				39			3	3	

Table A5. continued.

Taxon		B7b	B7T	B8	B9a	B9b	B9T	B11a	B11b B11T
Aluterus heudeloti									
Aluterus monoceros									
Aluterus schoepfi									
Aluterus scriptus									
Apogon pseudomaculatus									
Balistes capriscus	2	6	22	12	27	39	13	19	32
Balistidae									
Blenniidae									
Calamus leucosteus									
Calamus nodosus									
Calamus sp.									
Caranx crysos									
Caranx ruber									
Carcharhinus limbatus									
Carcharhinus plumbeus									
Carcharhinus sp.									
Centropristis ocyurus									
Chaetodipterus faber									
Chaetodon ocellatus									
Chilomycterus schoepfi									
Chromis sp.									
Dasyatis americana									
Decapterus macarellus									
Diplectrum formosum									
Echeneis naucrates									
Elagatis bipinnulata									
Epinephelus morio	1	2					1	1	2
Epinephelus nigritus									
Epinephelus niveatus									
Equetus lanceolatus									
Equetus sp.									
Equetus umbrosus									
Ginglymostoma cirratum									
Haemulon aurolineatum									
Halichoeres bivittatus				1	23	24			
Hemicaranx amblyrhynchus									
Hemipteronotus novacula									
Holacanthus bermudensis									
Hyperoglyphe perciformis									
Lactophrys quadricornis									
Lactophrys trigonus									
Lagodon rhomboides									
Lutjanus campechanus	12	68	171	12	13	25	91	21	112
Lutjanus griseus	1	7	2				1		1
Lutjanus synagris							1		1
Monacanthus hispidus									
Monacanthus setifer									
Mycteroperca microlepis			1		1	1	1		1
Mycteroperca phenax	2	6		2	2	4	3		3
Pagrus pagrus		4		4		4		19	19
Paralichthys albigutta									
Priacanthus arenatus									
Rachycentron canadum									
Rhomboplites aurorubens				29		29			
Rypticus maculatus		2	2	1	5	6	1	2	3
Sciaenops ocellatus									
Scomberomorus cavalla									
Seriola dumerili				12		12	1	1	2
Seriola fasciata									
Seriola rivoliana				17		17	7	2	9
Seriola zonata									
Serranidae									
Sphyraena barracuda									
Stegastes leucostictus									
Stegastes sp.									
Unknown small fishes				11		11		329	329

Table A5. continued.

Taxon	B16a	B16b	B16T	C12	C14a	C14b	C14T	C15	C21
Aluterus heudeloti									
Aluterus monoceros								1	
Aluterus schoepfi									
Aluterus scriptus									
Apogon pseudomaculatus								31	
Balistes capriscus	5	6	11	6	4	2	6	2	8
Balistidae									
Blenniidae								3	
Calamus leucosteus									
Calamus nodosus									
Calamus sp.									
Caranx crysos								1	
Caranx ruber									
Carcharhinus limbatus									
Carcharhinus plumbeus									
Carcharhinus sp.									
Centropristis ocyurus									
Chaetodipterus faber									
Chaetodon ocellatus									
Chilomycterus schoepfi		1	1			1	1		
Chromis sp.									
Dasyatis americana									
Decapterus macarellus									
Diplectrum formosum									
Echeneis naucrates									
Elagatis bipinnulata									
Epinephelus morio	1	1	2		1		1		1
Epinephelus nigritus									
Epinephelus niveatus									
Equetus lanceolatus									
Equetus sp.									
Equetus umbrosus									
Ginglymostoma cirratum									
Haemulon aurolineatum									
Halichoeres bivittatus		7	7					109	
Hemicaranx amblyrhynchus									
Hemipteronotus novacula									
Holacanthus bermudensis									
Hyperoglyphe perciformis									
Lactophrys quadricornis									
Lactophrys trigonus									
Lagodon rhomboides									
Lutjanus campechanus	204	91	295	64	69	66	135	15	69
Lutjanus griseus					10	20	30		
Lutjanus synagris		1	1						
Monacanthus hispidus									
Monacanthus setifer									
Mycteroperca microlepis				1	1	2	3	8	2
Mycteroperca phenax	3		3	1	1	1	2	1	3
Pagrus pagrus	1	2	3		2		2		3
Paralichthys albigutta									
Priacanthus arenatus									
Rachycentron canadum									
Rhomboplites aurorubens	52	3	55		1	7	8		2
Rypticus maculatus	3		3	3				1	3
Sciaenops ocellatus									
Scomberomorus cavalla									
Seriola dumerili	12		12		4	51	55	53	
Seriola fasciata									
Seriola rivoliana	1		1					3	
Seriola zonata									
Serranidae									
Sphyraena barracuda									
Stegastes leucostictus									
Stegastes sp.									
Unknown small fishes	14		14	19		2	2		

Table A5. continued.

Taxon	C22	C25	C32	C36	C39
Aluterus heudeloti					
Aluterus monoceros					
Aluterus schoepfi					
Aluterus scriptus					
Apogon pseudomaculatus					
Balistes capriscus	2	1	2		1
Bali stidae					
Blenniidae					
Calamus leucosteus					
Calamus nodosus					
Calamus sp.					
Caranx crysos					
Caranx ruber					
Carcharhinus limbatus					
Carcharhinus plumbeus					
Carcharhinus sp.					
Centropristis ocyurus				7	10
Chaetodipterus faber					
Chaetodon ocellatus					
Chilomycterus schoepfi					
Chromis sp.					
Dasyatis americana					
Decapterus macarellus		257		16	
Diplectrum formosum					2
Echeneis naucrates					
Elagatis bipinnulata					
Epinephelus morio	1	1			
Epinephelus nigritus					
Epinephelus niveatus					
Equetus lanceolatus			1		
Equetus sp.					
Equetus umbrosus		2			
Gin glymostoma cirratum					
Haemulon aurolineatum		40	43	66	7
Halichoeres bivittatus					
Hemicaranx amblyrhynchus					
Hemipteronotus novacula					
Holacanthus bermudensis					
Hyperoglyphe perciformis					
Lactophrys quadricornis					
Lactophrys trigonus					
Lagodon rhomboides					
Lutjanus campechanus	75	180	66	13	61
Lutjanus griseus			2		
Lutjanus synagris					
Monacanthus hispidus					
Monacanthus setifer					
Mycteroperca microlepis	4				
Mycteroperca phenax	1				
Pagrus pagrus	2	7			
Paralichthys albigutta					
Priacanthus arenatus					
Rachycentron canadum					
Rhomboplites aurorubens	20	1	7	1	13
Rypticus maculatus	1	1	1		
Sciaenops ocellatus					
Scomberomorus cavalla					
Seriola dumerili			2		
Seriola fasciata					
Seriola rivoliana	12				
Seriola zonata					
Serranidae					
Sphyraena barracuda					
Stegastes leucostictus					
Stegastes sp.					
Unknown small fishes	2				

Table A6. Fishes identified and enumerated over unreported artificial reefs off northwest Florida in the northern Gulf of Mexico during summer 2006. Modules at a given site were sampled separately if they were greater than 10 m apart. Abundances at those sites are reported for each module (a,b) and also summed (T) between modules.

Taxon	A12	A19	A20	A31	A34	A35	A36	A53	A56
Aluterus heudeloti									
Aluterus monoceros								1	
Aluterus schoepfi									
Aluterus scriptus									
Apogon pseudomaculatus									
Balistes capriscus		1	1	1			1	2	3
Bali stidae									
Blenniidae								1	
Calamus leucosteus									
Calamus nodosus									
Calamus sp.									
Caranx crysos								8	6
Caranx ruber								2	
Carcharhinus limbatus									
Carcharhinus plumbeus									
Carcharhinus sp.									
Centropristis ocyurus	1	31		1			87	2	
Chaetodipterus faber									
Chaetodon ocellatus									
Chilomycterus schoepfi									
Chromis sp.		3							
Dasyatis americana									
Decapterus macarellus				565			65	368	
Diplectrum formosum									
Echeneis naucrates									
Elagatis bipinnulata									
Epinephelus morio			1	1	1	1			
Epinephelus nigritus									
Epinephelus niveatus									1
Equetus lanceolatus		1		3					
Equetus sp.									
Equetus umbrosus				1					
Gin glymostoma cirratum							1		
Haemulon aurolineatum	69	91		53	48		51	90	50
Halichoeres bivittatus			1	21					
Hemicaranx amblyrhynchus									4
Hemipteronotus novacula									
Holacanthus bermudensis					1				
Hyperoglyphe perciformis									
Lactophrys quadricornis					1				
Lactophrys trigonus									
Lagodon rhomboides		24		1					
Lutjanus campechanus	130	155	106	36	164	187	67	40	260
Lutjanus griseus			9						
Lutjanus synagris	7	6	1					1	1
Monacanthus hispidus									
Monacanthus setifer									
Mycteroperca microlepis						1			
Mycteroperca phenax			1	1					
Pagrus pagrus		1		6		4			
Paralichthys albigutta									
Priacanthus arenatus									
Rachycentron canadum									
Rhomboplites aurorubens	2	5	27	1	66	7	6		17
Rypticus maculatus	1	1	3	2					1
Sciaenops ocellatus									
Scomberomorus cavalla				2					
Seriola dumerili	13	3	4	1	1		6	9	6
Seriola fasciata									
Seriola rivoliana	3	9	3	2		5	2	2	6
Seriola zonata									
Serranidae									
Sphyraena barracuda									
Stegastes leucostictus								1	
Stegastes sp.		3						1	
Unknown small fishes				212			78		

Table A6. continued.

Taxon	B1a	B1b	B1T	B2	B3	B4a	B4b	B4T	B7a
Aluterus heudeloti / *Aluterus monoceros*									
Aluterus schoepfi						6	3	9	
Aluterus scriptus									1
Apogon pseudomaculatus									
Balistes capriscus				3	17	14	1	15	5
Balistidae									
Blenniidae									
Calamus leucosteus									
Calamus nodosus							1	1	
Calamus sp.									
Caranx crysos					25				
Caranx ruber									
Carcharhinus limbatus									
Carcharhinus plumbeus									
Carcharhinus sp.	1		1	1					
Centropristis ocyurus	4	1	5						
Chaetodipterus faber									
Chaetodon ocellatus									
Chilomycterus schoepfi									
Chromis sp.									
Dasyatis americana									
Decapterus macarellus									
Diplectrum formosum									
Echeneis naucrates									
Elagatis bipinnulata									
Epinephelus morio	1	1	2		1	1		1	
Epinephelus nigritus									
Epinephelus niveatus									
Equetus lanceolatus		3	3						
Equetus sp.									
Equetus umbrosus	1		1						
Ginglymostoma cirratum									2
Haemulon aurolineatum	23	89	112	100					
Halichoeres bivittatus					42	3		3	
Hemicaranx amblyrhynchus									
Hemipteronotus novacula									
Holacanthus bermudensis					1		1	1	
Hyperoglyphe perciformis									
Lactophrys quadricornis				2					
Lactophrys trigonus									
Lagodon rhomboides									
Lutjanus campechanus	117	38	155	79	27	75	80	155	144
Lutjanus griseus				26	13	24	4	28	1
Lutjanus synagris	4	12	16	29	40	1	3	4	
Monacanthus hispidus									
Monacanthus setifer									
Mycteroperca microlepis					4	6	2	8	
Mycteroperca phenax					3	1	1	2	1
Pagrus pagrus					17				
Paralichthys albigutta									
Priacanthus arenatus									
Rachycentron canadum									
Rhomboplites aurorubens				28	49	1		1	21
Rypticus maculatus	1		1	4	6	7	3	10	3
Sciaenops ocellatus									
Scomberomorus cavalla							2	2	
Seriola dumerili	1	7	8		1	1		1	3
Seriola fasciata									
Seriola rivoliana	7	2	9	6	1				3
Seriola zonata									
Serranidae									
Sphyraena barracuda									
Stegastes leucostictus									
Stegastes sp.									
Unknown small fishes	57		57		53	43		43	

Table A6. continued.

Taxon	B7b	B7T	B8	B9a	B9b	B9T	B11a	B11b	B11T
Aluterus heudeloti / *Aluterus monoceros*									
Aluterus schoepfi							2		2
Aluterus scriptus		1							
Apogon pseudomaculatus									
Balistes capriscus		5	12	4	22	26	27	1	28
Balistidae									
Blenniidae									
Calamus leucosteus									
Calamus nodosus									
Calamus sp.									
Caranx crysos				1		1	30		30
Caranx ruber									
Carcharhinus limbatus			1						
Carcharhinus plumbeus									
Carcharhinus sp.									
Centropristis ocyurus									
Chaetodipterus faber									
Chaetodon ocellatus									
Chilomycterus schoepfi									
Chromis sp.									
Dasyatis americana									
Decapterus macarellus									
Diplectrum formosum									
Echeneis naucrates									
Elagatis bipinnulata									
Epinephelus morio								1	1
Epinephelus nigritus									
Epinephelus niveatus									
Equetus lanceolatus									
Equetus sp.									
Equetus umbrosus									
Ginglymostoma cirratum		2		1		1			
Haemulon aurolineatum									
Halichoeres bivittatus									
Hemicaranx amblyrhynchus									
Hemipteronotus novacula									
Holacanthus bermudensis									
Hyperoglyphe perciformis									
Lactophrys quadricornis									
Lactophrys trigonus									
Lagodon rhomboides									
Lutjanus campechanus	9	153	113	28	141	169	202	192	394
Lutjanus griseus		1							
Lutjanus synagris	2	2	1				1	1	2
Monacanthus hispidus									
Monacanthus setifer									
Mycteroperca microlepis			3		1	1			
Mycteroperca phenax		1		1	1	2		1	1
Pagrus pagrus			3						
Paralichthys albigutta									
Priacanthus arenatus									
Rachycentron canadum									
Rhomboplites aurorubens	6	27	26		3	3	3	3	6
Rypticus maculatus	5	8	3	6	4	10	3		3
Sciaenops ocellatus									
Scomberomorus cavalla									
Seriola dumerili	1	4		11		11	14		14
Seriola fasciata									
Seriola rivoliana		3	5	10		10	9	1	10
Seriola zonata									
Serranidae									
Sphyraena barracuda									
Stegastes leucostictus									
Stegastes sp.									
Unknown small fishes				1		1			

Table A6. continued.

Taxon	B16a	B16b	B16T	C12	C14a	C14b	C14T	C15	C21
Aluterus heudeloti									
Aluterus monoceros	1		1						1
Aluterus schoepfi					2		2		
Aluterus scriptus									
Apogon pseudomaculatus									
Balistes capriscus	17	1	18		12		12	4	4
Balistidae									
Blenniidae									
Calamus leucosteus									
Calamus nodosus									
Calamus sp.									
Caranx crysos				7		8	8		23
Caranx ruber									
Carcharhinus limbatus									
Carcharhinus plumbeus						1	1		
Carcharhinus sp.									
Centropristis ocyurus									
Chaetodipterus faber									
Chaetodon ocellatus									
Chilomycterus schoepfi									
Chromis sp.									
Dasyatis americana									
Decapterus macarellus									
Diplectrum formosum									
Echeneis naucrates									
Elagatis bipinnulata									
Epinephelus morio					1		1		
Epinephelus nigritus									
Epinephelus niveatus									
Equetus lanceolatus									
Equetus sp.									
Equetus umbrosus									
Ginglymostoma cirratum									
Haemulon aurolineatum									
Halichoeres bivittatus									25
Hemicaranx amblyrhynchus									
Hemipteronotus novacula									
Holacanthus bermudensis								1	
Hyperoglyphe perciformis									
Lactophrys quadricornis									
Lactophrys trigonus									
Lagodon rhomboides									
Lutjanus campechanus	184	46	230	179	170	49	219	64	214
Lutjanus griseus					13	5	18	29	6
Lutjanus synagris		1	1		3	2	5	1	6
Monacanthus hispidus									
Monacanthus setifer									
Mycteroperca microlepis	2	2	4			1	1	5	1
Mycteroperca phenax				1	1	1	2	1	2
Pagrus pagrus									1
Paralichthys albigutta									
Priacanthus arenatus									
Rachycentron canadum									
Rhomboplites aurorubens	4		4	54		1	1	4	3
Rypticus maculatus	2	1	3						1
Sciaenops ocellatus									
Scomberomorus cavalla									
Seriola dumerili	2		2	22	2		2	2	
Seriola fasciata									
Seriola rivoliana	1	1	2	1	6	3	9	12	1
Seriola zonata									
Serranidae									
Sphyraena barracuda									
Stegastes leucostictus									
Stegastes sp.									
Unknown small fishes									

Table A6. continued.

Taxon	C22	C25	C32	C36a	C36b	C36T	C39
Aluterus heudeloti							
Aluterus monoceros							
Aluterus schoepfi	1						
Aluterus scriptus							
Apogon pseudomaculatus					8	8	
Balistes capriscus	7	1	1	1		1	
Bali stidae							
Blenniidae							
Calamus leucosteus							
Calamus nodosus							
Calamus sp.							
Caranx crysos				2		2	6
Caranx ruber							
Carcharhinus limbatus							
Carcharhinus plumbeus				1		1	
Carcharhinus sp.							
Centropristis ocyurus					1	1	14
Chaetodipterus faber							
Chaetodon ocellatus							
Chilomycterus schoepfi							
Chromis sp.							
Dasyatis americana							
Decapterus macarellus				353		353	159
Diplectrum formosum							
Echeneis naucrates							
Elagatis bipinnulata							
Epinephelus morio		1					
Epinephelus nigritus							
Epinephelus niveatus							
Equetus lanceolatus							
Equetus sp.							
Equetus umbrosus		1					
Gin glymostoma cirratum							
Haemulon aurolineatum		48		40		40	4
Halichoeres bivittatus							16
Hemicaranx amblyrhynchus							
Hemipteronotus novacula							1
Holacanthus bermudensis							
Hyperoglyphe perciformis							
Lactophrys quadricornis							
Lactophrys trigonus							
Lagodon rhomboides		4					
Lutjanus campechanus	617	159	105	48	4	52	
Lutjanus griseus			7				
Lutjanus synagris	2		2	1			
Monacanthus hispidus							
Monacanthus setifer							6
Mycteroperca microlepis	1						
Mycteroperca phenax	3						
Pagrus pagrus	1						1
Paralichthys albigutta							
Priacanthus arenatus							
Rachycentron canadum							
Rhomboplites aurorubens	44	16	3	3	13	16	70
Rypticus maculatus	3		1				
Sciaenops ocellatus							
Scomberomorus cavalla							
Seriola dumerili	2		12	5		5	
Seriola fasciata							
Seriola rivoliana	4	1					
Seriola zonata							
Serranidae							
Sphyraena barracuda							
Stegastes leucostictus							
Stegastes sp.					2	2	
Unknown small fishes							

Table A7. Size and release condition data for fish tagged at sampling reefs during 2004-2006. Lengths are total lengths in mm except fork length is reported for *Balistes capriscus*. Under comments, SE = distended esophagus due to swim bladder expansion , BO = intestine protruding from anus, and BE= eyes bulging from pressure effects. See text for release condition descriptions.

Tag No.	Date	Site	Species	Length	Release Condition	Comments
1	3/26/2005	B2	*Balistes capriscus*	445	1	
2	3/26/2005	B2	*Lutjanus campechanus*	430	1	
3	3/26/2005	B2	*Epinephelus morio*	646	1	
4	3/26/2005	B2	*Lutjanus campechanus*	415	2	
5	3/26/2005	B2	*Epinephelus morio*	595	2	Caught on sow rig
6	3/26/2005	B2	*Balistes capriscus*	314	1	
7	3/26/2005	B2	*Balistes capriscus*	341	1	
8	3/26/2005	B2	*Lutjanus campechanus*	405	1	
9	3/26/2005	B2	*Lutjanus campechanus*	450	3	SE
10	3/26/2005	B2	*Balistes capriscus*	340	1	
11	3/26/2005	B2	*Balistes capriscus*	325	1	
12	3/26/2005	B2	*Balistes capriscus*	332	1	
13	3/26/2005	B2	*Balistes capriscus*	353	1	
14	3/26/2005	B2	*Mycteroperca microlepis*	635	1	Swallowed hook, caught on sow rig
15	3/26/2005	B2	*Balistes capriscus*	350	1	
16	3/26/2005	B2	*Balistes capriscus*	315	1	
17	3/26/2005	B2	*Lutjanus campechanus*	382	1	
18	3/26/2005	B2	*Pagrus pagrus*	278	1	BO
19	3/26/2005	B2	*Mycteroperca microlepis*	492	1	
20	3/26/2005	B2	*Epinephelus morio*	582	3	BE
21	3/26/2005	B2	*Epinephelus morio*	592	3	
22	3/26/2005	B2	*Lutjanus campechanus*	558	1	Caught on sow rig
23	3/26/2005	B2	*Balistes capriscus*	358	1	
24	3/26/2005	B2	*Epinephelus morio*	467	1	
25	3/26/2005	B2	*Epinephelus morio*	380	1	
26	3/26/2005	B2	*Mycteroperca microlepis*	487	1	
27	3/26/2005	B2	*Balistes capriscus*	482	1	
28	3/26/2005	B2	*Epinephelus morio*	585	1	Caught on sow rig
29	3/26/2005	B2	*Lutjanus campechanus*	515	1	

Table A7. Tagging data continued.

Tag No.	Date	Site	Species	Length	Release Condition	Comments
30	3/26/2005	B2	*Lutjanus campechanus*	540	1	
31	3/26/2005	B2	*Pagrus pagrus*	309	1	
32	3/26/2005	B2	*Lutjanus campechanus*	365	1	
33	3/26/2005	B2	*Pagrus pagrus*	348	1	
34	3/26/2005	B2	*Pagrus pagrus*	338	1	
35	3/26/2005	B2	*Lutjanus campechanus*	368	1	
36	3/26/2005	B2	*Pagrus pagrus*	312	1	
37	3/26/2005	B2	*Pagrus pagrus*	315	1	
38	3/26/2005	B2	*Pagrus pagrus*	312	2	
39	3/26/2005	B2	*Lutjanus campechanus*	404	1	BO
40	3/26/2005	B2	*Balistes capriscus*	353	1	
41	3/26/2005	B2	*Epinephelus morio*	512	1	
42	3/26/2005	B2	*Balistes capriscus*	327	1	
43	3/26/2005	B2	*Epinephelus morio*	474	1	
44	3/26/2005	B2	*Balistes capriscus*	345	1	
45	3/26/2005	C15	*Balistes capriscus*	352	1	
46	3/26/2005	C15	*Pagrus pagrus*	309	3	
47	3/26/2005	C15	*Balistes capriscus*	307	1	
48	3/26/2005	C15	*Mycteroperca microlepis*	451	1	
49	3/26/2005	C15	*Balistes capriscus*	395	1	
50	3/26/2005	C15	*Lutjanus campechanus*	373	1	
51	3/26/2005	C15	*Balistes capriscus*	296	1	
52	3/26/2005	C15	*Balistes capriscus*	307	1	
53	3/26/2005	C15	*Pagrus pagrus*	310	1	
54	3/26/2005	C15	*Balistes capriscus*	318	1	
55	3/26/2005	C15	*Mycteroperca microlepis*	493	1	
56	3/26/2005	C15	*Mycteroperca microlepis*	600	1	
57	3/26/2005	C15	*Mycteroperca microlepis*	430	1	
58	3/26/2005	C15	*Lutjanus campechanus*	355	1	
59	3/26/2005	C15	*Lutjanus campechanus*	385	3	
60	3/26/2005	C15	*Mycteroperca microlepis*	500	1	SE

Table A7. Tagging data continued.

Tag No.	Date	Site	Species	Length	Release Condition	Comments
61	3/26/2005	C15	*Balistes capriscus*	350	1	
62	3/26/2005	C15	*Mycteroperca microlepis*	444	1	
63	3/26/2005	C15	*Lutjanus campechanus*	357	1	
64	3/26/2005	C15	*Pagrus pagrus*	326	3	
65	3/26/2005	C15	*Lutjanus campechanus*	386	1	
66	3/26/2005	C15	*Balistes capriscus*	355	1	
67	3/26/2005	C15	*Mycteroperca microlepis*	564	1	Caught on sow rig
68	3/26/2005	C15	*Balistes capriscus*	319	1	
69	3/26/2005	C15	*Balistes capriscus*	296	1	
70	3/26/2005	C15	*Mycteroperca microlepis*	455	1	SE
71	3/26/2005	C15	*Mycteroperca microlepis*	424	1	
72	3/26/2005	C15	*Mycteroperca microlepis*	573	1	SE
73	3/26/2005	C15	*Mycteroperca microlepis*	670	1	SE
74	3/26/2005	C15	*Mycteroperca microlepis*	601	1	
75	3/26/2005	C15	*Mycteroperca microlepis*	460	1	
69	3/26/2005	C15	*Balistes capriscus*	296	1	
70	3/26/2005	C15	*Mycteroperca microlepis*	455	1	SE
71	3/26/2005	C15	*Mycteroperca microlepis*	424	1	
72	3/26/2005	C15	*Mycteroperca microlepis*	573	1	SE
73	3/26/2005	C15	*Mycteroperca microlepis*	670	1	SE
74	3/26/2005	C15	*Mycteroperca microlepis*	601	1	
75	3/26/2005	C15	*Mycteroperca microlepis*	460	1	
76	3/26/2005	C15	*Lutjanus campechanus*	377	3	BE
77	3/26/2005	C15	*Mycteroperca microlepis*	572	1	Lost tag
78	3/26/2005	C15	*Balistes capriscus*	336	1	
79	3/26/2005	C15	*Pagrus pagrus*	392	1	
80	3/26/2005	C15	*Pagrus pagrus*	265	1	
81	3/26/2005	C15	*Mycteroperca microlepis*	472	1	
82	3/26/2005	C15	*Lutjanus campechanus*	386	1	
83	3/26/2005	C15	*Mycteroperca microlepis*	470	1	
84	3/26/2005	C15	*Pagrus pagrus*	296	1	

Table A7. Tagging data continued.

Tag No.	Date	Site	Species	Length	Release Condition	Comments
85	3/26/2005	C15	*Pagrus pagrus*	322	1	
86	3/26/2005	C15	*Pagrus pagrus*	336	1	
87	3/26/2005	C15	*Rhomboplites aurorubens*	386	1	
88	3/26/2005	C15	*Mycteroperca microlepis*	450	1	
89	3/26/2005	C15	*Mycteroperca microlepis*	497	1	
90	3/26/2005	C15	*Mycteroperca microlepis*	481	1	
91	3/26/2005	C15	*Pagrus pagrus*	313	1	
92	3/26/2005	C15	*Pagrus pagrus*	261	1	
93	3/26/2005	C15	*Pagrus pagrus*	312	1	
94	3/26/2005	C15	*Pagrus pagrus*	291	1	
95	3/26/2005	C15	*Pagrus pagrus*	336	1	
96	3/26/2005	C15	*Pagrus pagrus*	285	1	
97	3/26/2005	C15	*Lutjanus campechanus*	357	1	
98	3/26/2005	C15	*Mycteroperca microlepis*	503	1	Caught on sow rig
99	3/26/2005	C15	*Lutjanus campechanus*	336	1	
100	3/26/2005	C15	*Epinephelus morio*	500	1	SE
101	3/26/2005	C15	*Balistes capriscus*	356	1	
102	3/26/2005	C15	*Mycteroperca microlepis*	427	1	
103	3/26/2005	C15	*Mycteroperca microlepis*	720	1	SE, caught on sow rig
104	3/26/2005	C15	*Pagrus pagrus*	312	1	
105	3/26/2005	C15	*Pagrus pagrus*	322	1	
106	3/26/2005	C15	*Pagrus pagrus*	287	1	
107	3/26/2005	C15	*Pagrus pagrus*	304	1	
108	3/26/2005	C15	*Pagrus pagrus*	292	1	
109	3/26/2005	C15	*Pagrus pagrus*	308	1	
110	3/26/2005	C15	*Pagrus pagrus*	271	2	
111	3/26/2005	A20	*Balistes capriscus*	302	1	
112	3/26/2005	A20	*Balistes capriscus*	352	1	
113	3/26/2005	A20	*Pagrus pagrus*	365	1	
114	3/26/2005	A20	*Balistes capriscus*	297	1	

Table A7. Tagging data continued.

Tag No.	Date	Site	Species	Length	Release Condition	Comments
115	3/26/2005	A20	*Balistes capriscus*	283	1	
116	3/26/2005	A20	*Balistes capriscus*	289	1	
117	3/26/2005	A20	*Pagrus pagrus*	330	1	
118	3/26/2005	A20	*Balistes capriscus*	360	1	
119	3/26/2005	A20	*Pagrus pagrus*	308	1	
120	3/26/2005	A34	*Lutjanus campechanus*	430	1	Tag used out of order
121	3/26/2005	A20	*Rhomboplites aurorubens*	324	1	
122	3/26/2005	A20	*Balistes capriscus*	264	1	
123	3/26/2005	A20	*Pagrus pagrus*	321	1	
124	3/26/2005	A20	*Pagrus pagrus*	315	1	
125	3/26/2005	A20	*Pagrus pagrus*	302	1	paused at 12min 12 sec.; lightning
126	3/26/2005	A20	*Pagrus pagrus*	316	1	
127	3/26/2005	A20	*Lutjanus campechanus*	403	1	
128	3/26/2005	A20	*Mycteroperca microlepis*	540	1	
129	3/26/2005	A20	*Balistes capriscus*	239	1	
130	3/26/2005	A20	*Mycteroperca microlepis*	486	1	
131	3/26/2005	A20	*Pagrus pagrus*	333	1	
132	3/26/2005	A20	*Mycteroperca microlepis*	572	1	Sow rig, SE; lightning, fished only 22:54
133	3/26/2005	B9	*Lutjanus campechanus*	392	1	SE
134	3/26/2005	B9	*Lutjanus campechanus*	367	1	SE
135	3/26/2005	B9	*Mycteroperca microlepis*	637	1	SE
136	3/26/2005	B9	*Lutjanus campechanus*	380	1	SE
137	3/26/2005	B9	*Lutjanus campechanus*	419	1	
138	3/26/2005	B9	*Balistes capriscus*	327	1	
139	3/26/2005	B9	*Balistes capriscus*	277	1	
140	3/26/2005	B9	*Balistes capriscus*	313	1	
140	6/9/2005	B9	*Balistes capriscus*	318	1	Dophin seen again
141	3/26/2005	B9	*Lutjanus campechanus*	373	1	SE
142	3/26/2005	B9	*Balistes capriscus*	322	1	
143	3/26/2005	B9	*Lutjanus campechanus*	424	1	SE
144	3/26/2005	B9	*Lutjanus campechanus*	375	1	

Table A7. Tagging data continued.

Tag No.	Date	Site	Species	Length	Release Condition	Comments
145	3/26/2005	B9	*Lutjanus campechanus*	410	1	SE
146	3/26/2005	B9	*Lutjanus campechanus*	388	1	SE
147	3/26/2005	B9	*Lutjanus campechanus*	392	1	BO
148	3/26/2005	B9	*Lutjanus campechanus*	366	1	SE
149	3/26/2005	B9	*Mycteroperca microlepis*	458	1	
150	3/26/2005	B9	*Lutjanus campechanus*	421	1	SE
151	3/26/2005	B9	*Lutjanus campechanus*	386	1	SE
152	3/26/2005	B9	*Lutjanus campechanus*	431	1	SE
153	3/26/2005	B9	*Lutjanus campechanus*	347	4	
154	3/26/2005	B9	*Balistes capriscus*	393	1	
155	3/26/2005	B9	*Balistes capriscus*	293	1	
156	3/26/2005	B9	*Balistes capriscus*	362	1	
157	3/26/2005	B9	*Mycteroperca microlepis*	440	1	SE
158	3/26/2005	B9	*Balistes capriscus*	302	1	
159	3/26/2005	B9	*Balistes capriscus*	287	1	BE
160	3/26/2005	B9	*Lutjanus campechanus*	387	2	SE
161	3/26/2005	B9	*Lutjanus campechanus*	361	2	BO
162	3/26/2005	B9	*Epinephelus morio*	672	1	BE, caught on sow rig
163	3/26/2005	B9	*Balistes capriscus*	331	1	
164	3/26/2005	B9	*Lutjanus campechanus*	325	3	
165	3/26/2005	B9	*Lutjanus campechanus*	345	1	
166	3/26/2005	B9	*Balistes capriscus*	281	1	
167	3/26/2005	B9	*Mycteroperca microlepis*	671	1	SE
168	3/26/2005	B9	*Mycteroperca microlepis*	532	1	Gill tear, caught on sow rig
169	3/26/2005	B9	*Balistes capriscus*	304	1	
170	3/26/2005	B9	*Mycteroperca microlepis*	816	2	SE
171	3/26/2005	B9	*Mycteroperca microlepis*	414	1	
172	3/26/2005	B9	*Lutjanus campechanus*	343	1	BO
173	3/26/2005	B9	*Lutjanus campechanus*	327	2	SE
174	3/26/2005	B9	*Mycteroperca microlepis*	668	1	SE
175	3/26/2005	B9	*Lutjanus campechanus*	363	1	BO

Table A7. Tagging data continued.

Tag No.	Date	Site	Species	Length	Release Condition	Comments
176	3/26/2005	B9	*Lutjanus campechanus*	381	2	
177	3/26/2005	C21	*Balistes capriscus*	326	1	
178	3/26/2005	C21	*Lutjanus campechanus*	324	2	
179	3/26/2005	C21	*Pagrus pagrus*	357	1	
180	3/26/2005	C21	*Lutjanus campechanus*	390	1	
181	3/26/2005	C21	*Lutjanus campechanus*	346	1	SE
182	3/26/2005	C21	*Lutjanus campechanus*	376	1	
183	3/26/2005	C21	*Lutjanus campechanus*	372	1	
184	3/26/2005	C21	*Lutjanus campechanus*	405	1	Caught on sow rig
185	3/26/2005	C21	*Mycteroperca microlepis*	571	1	
186	3/26/2005	C21	*Lutjanus campechanus*	320	1	BO
187	3/26/2005	C21	*Balistes capriscus*	302	1	
188	3/26/2005	C21	*Lutjanus campechanus*	322	1	BO
189	3/26/2005	C21	*Balistes capriscus*	292	1	
190	3/26/2005	C21	*Lutjanus campechanus*	359	1	
191	3/26/2005	C21	*Pagrus pagrus*	313	1	
192	3/26/2005	C21	*Lutjanus campechanus*	405	1	SE, caught on sow rig
193	3/26/2005	C21	*Lutjanus campechanus*	376	1	
194	3/26/2005	C21	*Mycteroperca microlepis*	448	1	BE
195	3/26/2005	C21	*Lutjanus campechanus*	323	2	SE
196	3/26/2005	C21	*Lutjanus campechanus*	303	1	
197	3/26/2005	C21	*Epinephelus morio*	472	1	BE
198	3/26/2005	C21	*Balistes capriscus*	280	1	
199	3/26/2005	C21	*Balistes capriscus*	291	1	
200	3/26/2005	C21	*Balistes capriscus*	290	1	
201	3/26/2005	C21	*Pagrus pagrus*	309	2	
202	3/26/2005	C21	*Pagrus pagrus*	345	1	
203	3/26/2005	C21	*Balistes capriscus*	313	1	
204	3/26/2005	C21	*Lutjanus campechanus*	347	2	BO
205	3/26/2005	C21	*Pagrus pagrus*	303	2	
206	3/26/2005	C21	*Balistes capriscus*	332	1	

Table A7. Tagging data continued.

Tag No.	Date	Site	Species	Length	Release Condition	Comments
207	3/26/2005	C21	*Lutjanus campechanus*	373	1	SE
208	3/26/2005	C21	*Mycteroperca microlepis*	532	1	SE, caught on sow rig
209	3/26/2005	C21	*Pagrus pagrus*	330	1	
210	3/26/2005	C21	*Lutjanus campechanus*	313	1	SE
211	3/26/2005	C21	*Lutjanus campechanus*	313	1	
212	3/26/2005	C21	*Pagrus pagrus*	328	1	
213	3/26/2005	C21	*Pagrus pagrus*	314	1	
214	3/26/2005	C21	*Epinephelus morio*	458	1	BE
215	3/26/2005	C21	*Epinephelus morio*	348	1	SE
216	3/26/2005	C21	*Mycteroperca microlepis*	496	1	
217	3/26/2005	C21	*Lutjanus campechanus*	335	2	
218	3/26/2005	C21	*Epinephelus morio*	460	1	
219	3/26/2005	C21	*Mycteroperca microlepis*	479	3	
220	3/26/2005	C21	*Mycteroperca microlepis*	646	1	Sow rig on a porgy
221	3/26/2005	C21	*Balistes capriscus*	311	1	
222	3/26/2005	A34	*Lutjanus campechanus*	450	1	BO
223	3/26/2005	A34	*Lutjanus campechanus*	420	1	SE
224	3/26/2005	A34	*Lutjanus campechanus*	390	1	SE
225	3/26/2005	A34	*Lutjanus campechanus*	316	3	
226	3/26/2005	A34	*Lutjanus campechanus*	365	3	SE
227	3/26/2005	A34	*Lutjanus campechanus*	416	1	
228	3/26/2005	A34	*Lutjanus campechanus*	343	1	SE
229	3/26/2005	A34	*Lutjanus campechanus*	352	2	
230	3/26/2005	A34	*Lutjanus campechanus*	386	2	
231	3/26/2005	A34	*Lutjanus campechanus*	342	3	
232	3/26/2005	A34	*Lutjanus campechanus*	436	2	
233	3/26/2005	A34	*Lutjanus campechanus*	375	2	
234	3/26/2005	A34	*Lutjanus campechanus*	426	2	
235	3/26/2005	A34	*Lutjanus campechanus*	373	2	
236	3/26/2005	A34	*Lutjanus campechanus*	425	2	
237	3/26/2005	A34	*Lutjanus campechanus*	370	1	

Table A7. Tagging data continued.

Tag No.	Date	Site	Species	Length	Release Condition	Comments
238	3/26/2005	A34	*Lutjanus campechanus*	387	1	SE, caught on sow rig
239	3/26/2005	A34	*Lutjanus campechanus*	336	2	SE
240	3/26/2005	A34	*Lutjanus campechanus*	356	2	
241	3/26/2005	A34	*Lutjanus campechanus*	306	3	Caught on sow rig
242	3/26/2005	A34	*Lutjanus campechanus*	346	1	BO
243	3/26/2005	A34	*Lutjanus campechanus*	403	2	
244	3/26/2005	A34	*Lutjanus campechanus*	308	1	SE
245	3/26/2005	A34	*Lutjanus campechanus*	330	1	SE
246	3/26/2005	A34	*Lutjanus campechanus*	315	1	SE
247	3/26/2005	A34	*Lutjanus campechanus*	397	1	SE
248	3/26/2005	A34	*Lutjanus campechanus*	359	1	SE
249	3/26/2005	A34	*Lutjanus campechanus*	302	1	
250	3/26/2005	A34	*Lutjanus campechanus*	303	1	SE
251	3/26/2005	A34	*Lutjanus campechanus*	350	1	
252	3/26/2005	A34	*Lutjanus campechanus*	400	1	SE
253	3/26/2005	A34	*Lutjanus campechanus*	320	1	SE
254	3/26/2005	A34	*Lutjanus campechanus*	383	1	SE
255	3/26/2005	A34	*Lutjanus campechanus*	320	1	
256	3/26/2005	A34	*Lutjanus campechanus*	333	1	SE
257	3/26/2005	A34	*Lutjanus campechanus*	370	2	SE
258	3/26/2005	A34	*Lutjanus campechanus*	396	1	
259	3/26/2005	A34	*Lutjanus campechanus*	352	1	SE
260	3/26/2005	A34	*Lutjanus campechanus*	392	1	Caught on sow rig
261	3/26/2005	A34	*Lutjanus campechanus*	338	2	SE
262	3/26/2005	A34	*Lutjanus campechanus*	305	2	
263	3/26/2005	A34	*Lutjanus campechanus*	354	1	SE
264	3/26/2005	A34	*Lutjanus campechanus*	474	2	SE
265	3/26/2005	A34	*Lutjanus campechanus*	324	1	
266	3/26/2005	A34	*Lutjanus campechanus*	350	1	SE
267	3/26/2005	A34	*Lutjanus campechanus*	342	1	SE
268	3/26/2005	A34	*Lutjanus campechanus*	357	1	

Table A7. Tagging data continued.

Tag No.	Date	Site	Species	Length	Release Condition	Comments
269	3/26/2005	A34	*Lutjanus campechanus*	335	2	
270	3/26/2005	A34	*Lutjanus campechanus*	310	1	
271	3/26/2005	A34	*Lutjanus campechanus*	318	1	BO
272	3/26/2005	A34	*Lutjanus campechanus*	326	1	
273	3/26/2005	A34	*Lutjanus campechanus*	305	1	
274	3/26/2005	A34	*Lutjanus campechanus*	325	1	BO
275	3/26/2005	A34	*Lutjanus campechanus*	340	1	BO
276	3/26/2005	A34	*Mycteroperca microlepis*	696	1	SE
277	3/26/2005	A34	*Lutjanus campechanus*	307	1	
278	3/26/2005	A34	*Lutjanus campechanus*	316	1	
279	3/26/2005	A34	*Lutjanus campechanus*	330	1	
280	3/26/2005	A34	*Lutjanus campechanus*	290	1	
281	3/26/2005	C32	*Epinephelus morio*	561	1	SE
282	3/26/2005	C32	*Epinephelus morio*	479	1	SE
283	3/26/2005	C32	*Mycteroperca microlepis*	515	3	
284	3/26/2005	C32	*Lutjanus campechanus*	436	1	
285	3/26/2005	C32	*Epinephelus morio*	545	1	Caught on sow rig
286	3/26/2005	C32	*Balistes capriscus*	400	1	
287	3/26/2005	C32	*Epinephelus morio*	395	1	
288	3/26/2005	C32	*Mycteroperca phenax*	450	2	
289	3/26/2005	C32	*Epinephelus morio*	658	3	SE
290	3/26/2005	C32	*Epinephelus morio*	500	1	SE
291	3/26/2005	C32	*Mycteroperca microlepis*	460	1	
292	3/26/2005	C32	*Epinephelus morio*	464	1	SE
293	3/26/2005	C32	*Mycteroperca phenax*	420	1	
294	3/26/2005	C32	*Lutjanus campechanus*	378	1	BO
295	3/26/2005	C32	*Mycteroperca microlepis*	775	1	
296	3/26/2005	C32	*Lutjanus campechanus*	590	1	SE
297	3/26/2005	C32	*Lutjanus campechanus*	405	4	
298	3/26/2005	C32	*Lutjanus campechanus*	365	1	
299	3/26/2005	C32	*Lutjanus campechanus*	360	1	SE

Table A7. Tagging data continued.

Tag No.	Date	Site	Species	Length	Release Condition	Comments
300	3/26/2005	C32	*Mycteroperca phenax*	395	1	
301	3/26/2005	C32	*Mycteroperca microlepis*	575	1	SE
302	3/26/2005	C32	*Mycteroperca microlepis*	475	1	SE
303	3/26/2005	C32	*Lutjanus campechanus*	366	2	
304	3/26/2005	C32	*Mycteroperca microlepis*	520	1	
305	3/26/2005	C32	*Mycteroperca microlepis*	472	1	
306	3/26/2005	C32	*Epinephelus morio*	492	1	SE
307	3/26/2005	C32	*Epinephelus morio*	493	1	SE
308	3/26/2005	C32	*Mycteroperca phenax*	340	1	
309	3/26/2005	C32	*Lutjanus campechanus*	375	2	
310	3/26/2005	C32	*Lutjanus campechanus*	367	1	
311	3/26/2005	C32	*Balistes capriscus*	340	1	BO
312	3/26/2005	C32	*Lutjanus campechanus*	326	1	
313	3/26/2005	C32	*Mycteroperca phenax*	397	1	
314	3/26/2005	C32	*Lutjanus campechanus*	394	2	
315	3/26/2005	C32	*Epinephelus morio*	365	1	
316	3/26/2005	B8	*Lutjanus campechanus*	502	1	
317	3/26/2005	B8	*Lutjanus campechanus*	460	2	
318	3/26/2005	B8	*Lutjanus campechanus*	487	1	
319	3/26/2005	B8	*Lutjanus campechanus*	438	1	SE
320	3/26/2005	B8	*Lutjanus campechanus*	528	2	SE
321	3/26/2005	B8	*Lutjanus campechanus*	545	2	
322	3/26/2005	B8	*Lutjanus campechanus*	420	1	
323	3/26/2005	B8	*Lutjanus campechanus*	449	3	
324	3/26/2005	B8	*Lutjanus campechanus*	411	1	
325	3/26/2005	B8	*Lutjanus campechanus*	380	2	
326	3/26/2005	B8	*Lutjanus campechanus*	464	1	
327	3/26/2005	B8	*Lutjanus campechanus*	364	1	
328	3/26/2005	B8	*Lutjanus campechanus*	394	1	
329	3/26/2005	B8	*Lutjanus campechanus*	436	1	
330	3/26/2005	B8	*Lutjanus campechanus*	391	1	

Table A7. Tagging data continued.

Tag No.	Date	Site	Species	Length	Release Condition	Comments
331	3/26/2005	B8	*Lutjanus campechanus*	380	2	
332	3/26/2005	B8	*Lutjanus campechanus*	370	1	
333	3/26/2005	B8	*Lutjanus campechanus*	375	2	SE
334	3/26/2005	B8	*Lutjanus campechanus*	405	3	
335	3/26/2005	B8	*Lutjanus campechanus*	360	1	BO
336	3/26/2005	B8	*Mycteroperca microlepis*	496	1	
337	3/26/2005	B8	*Lutjanus campechanus*	394	1	
338	3/26/2005	B8	*Lutjanus campechanus*	476	1	
339	3/26/2005	B8	*Lutjanus campechanus*	355	1	
340	3/26/2005	B8	*Balistes capriscus*	306	1	
341	3/26/2005	B8	*Balistes capriscus*	343	1	
342	3/26/2005	B8	*Lutjanus campechanus*	404	1	
343	3/26/2005	B8	*Balistes capriscus*	390	1	
344	3/26/2005	B8	*Balistes capriscus*	521	1	
345	3/26/2005	B8	*Lutjanus campechanus*	336	2	BO
346	3/26/2005	B8	*Balistes capriscus*	490	1	BO
347	3/26/2005	B8	*Balistes capriscus*	322	1	
348	3/26/2005	B8	*Balistes capriscus*	390	1	
349	3/26/2005	B8	*Balistes capriscus*	435	1	
350	3/26/2005	A12	*Lutjanus campechanus*	358	1	BO
351	3/26/2005	A12	*Lutjanus campechanus*	360	1	
352	3/26/2005	A12	*Lutjanus campechanus*	332	2	
353	3/26/2005	A12	*Lutjanus campechanus*	508	1	BO, caught on sow rig
354	3/26/2005	A12	*Lutjanus campechanus*	349	2	BO
355	3/26/2005	A12	*Lutjanus campechanus*	362	1	
356	3/26/2005	A12	*Lutjanus campechanus*	388	1	
357	3/26/2005	A12	*Lutjanus campechanus*	384	1	
358	3/26/2005	A12	*Mycteroperca microlepis*	438	1	
359	3/26/2005	A12	*Lutjanus campechanus*	465	1	
360	3/26/2005	A12	*Mycteroperca microlepis*	522	1	
361	3/26/2005	A12	*Lutjanus campechanus*	466	1	

Table A7. Tagging data continued.

Tag No.	Date	Site	Species	Length	Release Condition	Comments
362	3/26/2005	A12	*Lutjanus campechanus*	355	1	
363	3/26/2005	A12	*Mycteroperca microlepis*	647	1	Bleeding
364	3/26/2005	A12	*Mycteroperca phenax*	396	1	
365	3/26/2005	A12	*Mycteroperca microlepis*	477	1	
366	3/26/2005	A12	*Balistes capriscus*	375	1	
367	3/26/2005	A12	*Lutjanus campechanus*	387	2	
368	3/26/2005	A12	*Mycteroperca microlepis*	517	1	
369	3/26/2005	A12	*Lutjanus campechanus*	359	1	
370	3/26/2005	A12	*Lutjanus campechanus*	348	1	BO
371	3/26/2005	A12	*Lutjanus campechanus*	345	1	BO
372	3/26/2005	A12	*Mycteroperca microlepis*	417	1	
373	3/26/2005	A12	*Lutjanus campechanus*	446	1	
374	3/26/2005	A12	*Mycteroperca phenax*	337	1	
375	3/26/2005	A12	*Lutjanus campechanus*	342	1	SE
376	3/26/2005	A12	*Mycteroperca microlepis*	425	1	
377	6/9/2005	C32	*Mycteroperca microlepis*	445	1	
378	6/9/2005	C32	*Mycteroperca microlepis*	620	1	
379	6/9/2005	C32	*Balistes capriscus*	310	1	
380	6/9/2005	C32	*Mycteroperca microlepis*	493	1	
381	6/9/2005	C32	*Balistes capriscus*	350	1	
382	6/9/2005	C32	*Balistes capriscus*	310	1	
383	6/9/2005	C32	*Mycteroperca microlepis*	436	1	
384	6/9/2005	B8	*Lutjanus campechanus*	395	1	
385	6/9/2005	B8	*Balistes capriscus*	305	1	
386	6/9/2005	B8	*Lutjanus campechanus*	547	3	
387	6/9/2005	B8	*Lutjanus campechanus*	615	3	BO
388	6/9/2005	B8	*Lutjanus campechanus*	440	1	Caught on sow rig
390	6/9/2005	B8	*Lutjanus campechanus*	421	2	(tag 389 was lost)
391	6/9/2005	B8	*Balistes capriscus*	376	3	BO
392	6/9/2005	B8	*Lutjanus campechanus*	382	1	
393	6/9/2005	B8	*Lutjanus campechanus*	320	3	

Table A7. Tagging data continued.

Tag No.	Date	Site	Species	Length	Release Condition	Comments
424	6/9/2005	C21	*Balistes capriscus*	305	1	
425	6/9/2005	C21	*Mycteroperca microlepis*	462	1	
426	6/9/2005	C21	*Lutjanus campechanus*	372	1	BO
427	6/9/2005	C21	*Mycteroperca microlepis*	468	1	foul hook (nape)
428	6/9/2005	C21	*Lutjanus campechanus*	385	1	Sow rig, foul hook (stomach), BO
429	6/9/2005	C21	*Lutjanus campechanus*	323	1	
430	6/9/2005	C21	*Mycteroperca microlepis*	572	1	
431	6/9/2005	C21	*Balistes capriscus*	575	1	
432	6/9/2005	C21	*Lutjanus campechanus*	303	2	
433	6/9/2005	C21	*Lutjanus campechanus*	330	1	
434	6/9/2005	C21	*Mycteroperca microlepis*	437	3	
435	6/9/2005	C21	*Lutjanus campechanus*	326	4	
436	6/9/2005	C21	*Lutjanus campechanus*	287	1	SE
437	6/9/2005	C21	*Rhomboplites aurorubens*	422	2	Caught on sow rig, foul hook
438	6/9/2005	C21	*Pagrus pagrus*	366	1	
439	6/9/2005	C21	*Balistes capriscus*	330	1	
440	6/9/2005	C21	*Lutjanus campechanus*	340	1	
441	6/9/2005	C21	*Lutjanus campechanus*	380	1	Caught on sow rig, foul hook
442	6/9/2005	C21	*Mycteroperca microlepis*	483	3	missing half of tail
443	6/9/2005	C21	*Balistes capriscus*	325	1	
444	6/9/2005	C21	*Lutjanus campechanus*	316	1	
445	6/9/2005	C21	*Lutjanus campechanus*	362	1	Caught on sow rig
446	6/9/2005	C21	*Lutjanus campechanus*	328	1	
447	6/9/2005	C21	*Lutjanus campechanus*	360	4	
448	6/9/2005	C21	*Lutjanus campechanus*	326	1	BO
449	6/9/2005	C21	*Lutjanus campechanus*	358	1	
450	6/9/2005	C21	*Lutjanus campechanus*	310	1	
451	6/9/2005	C21	*Lutjanus campechanus*	345	2	
452	6/9/2005	C21	*Lutjanus campechanus*	312	1	
453	6/9/2005	C21	*Lutjanus campechanus*	316	1	SE
454	6/9/2005	C21	*Lutjanus campechanus*	326	1	

Table A7. Tagging data continued.

Tag No.	Date	Site	Species	Length	Release Condition	Comments
455	6/9/2005	C21	*Lutjanus campechanus*	380	1	SE
456	6/9/2005	C21	*Pagrus pagrus*	348	1	
457	6/9/2005	C21	*Lutjanus campechanus*	300	1	
458	6/9/2005	C21	*Lutjanus campechanus*	317	2	
459	6/9/2005	C21	*Lutjanus campechanus*	327	1	
460	6/9/2005	C21	*Lutjanus campechanus*	404	1	Caught on sow rig
461	6/9/2005	C21	*Mycteroperca microlepis*	480	1	
462	6/9/2005	C21	*Lutjanus campechanus*	375	1	
463	6/9/2005	C21	*Mycteroperca microlepis*	528	1	
464	6/9/2005	C21	*Lutjanus campechanus*	338	1	Caught on sow rig
465	6/9/2005	C21	*Lutjanus campechanus*	331	1	
466	6/9/2005	C21	*Lutjanus campechanus*	334	3	
467	6/9/2005	C21	*Lutjanus campechanus*	335	1	
468	6/9/2005	C21	*Lutjanus campechanus*	307	4	
469	6/9/2005	C21	*Balistes capriscus*	300	1	
470	6/9/2005	C21	*Lutjanus campechanus*	315	1	
471	6/9/2005	C21	*Pagrus pagrus*	305	1	
472	6/9/2005	C21	*Lutjanus campechanus*	307	1	
473	6/9/2005	C21	*Lutjanus campechanus*	320	1	
474	6/9/2005	C21	*Mycteroperca microlepis*	547	3	Caught on sow rig, BE
475	6/9/2005	C21	*Lutjanus campechanus*	312	1	
476	6/9/2005	C21	*Pagrus pagrus*	318	1	
477	6/9/2005	C21	*Lutjanus campechanus*	310	2	Beeding from gills
478	6/9/2005	C21	*Lutjanus campechanus*	306	1	BO
479	6/9/2005	C21	*Lutjanus campechanus*	300	1	
480	6/9/2005	C15	*Lutjanus campechanus*	397	1	
481	6/9/2005	C15	*Balistes capriscus*	314	1	
482	6/9/2005	C15	*Rhomboplites aurorubens*	342	1	
483	6/9/2005	C15	*Rhomboplites aurorubens*	366	1	
484	6/9/2005	C15	*Rhomboplites aurorubens*	373	1	
485	6/9/2005	C15	*Rhomboplites aurorubens*	331	1	

Table A7. Tagging data continued.

Tag No.	Date	Site	Species	Length	Release Condition	Comments
486	6/9/2005	C15	*Rhomboplites aurorubens*	322	1	
487	6/9/2005	C15	*Rhomboplites aurorubens*	355	1	Foul hook
488	6/9/2005	C15	*Rhomboplites aurorubens*	334	1	
489	6/9/2005	C15	*Rhomboplites aurorubens*	353	3	
490	6/9/2005	C15	*Mycteroperca microlepis*	353	1	
491	6/9/2005	C15	*Rhomboplites aurorubens*	350	2	
492	6/9/2005	C15	*Rhomboplites aurorubens*	372	1	
493	6/9/2005	C15	*Rhomboplites aurorubens*	361	1	
494	6/9/2005	C15	*Lutjanus campechanus*	460	1	
495	6/9/2005	C15	*Rhomboplites aurorubens*	357	1	
496	6/9/2005	B2	*Lutjanus campechanus*	455	1	Caught on sow rig
497	6/9/2005	B2	*Lutjanus campechanus*	418	1	BO
498	6/9/2005	B2	*Lutjanus campechanus*	458	1	
499	6/9/2005	B2	*Lutjanus campechanus*	447	1	
500	6/9/2005	B2	*Lutjanus campechanus*	404	1	
501	6/9/2005	B2	*Lutjanus campechanus*	420	2	
502	6/9/2005	B2	*Balistes capriscus*	340	1	
503	6/9/2005	B2	*Lutjanus campechanus*	418	1	
504	6/9/2005	B2	*Balistes capriscus*	302	1	
505	6/9/2005	B2	*Lutjanus campechanus*	462	1	
506	6/9/2005	B2	*Balistes capriscus*	322	1	
507	6/9/2005	B2	*Lutjanus campechanus*	452	1	
508	6/9/2005	B2	*Lutjanus campechanus*	510	2	
509	6/9/2005	B2	*Lutjanus campechanus*	424	1	
510	6/9/2005	B2	*Lutjanus campechanus*	422	1	
511	6/9/2005	B2	*Lutjanus campechanus*	461	1	
512	6/9/2005	B2	*Lutjanus campechanus*	432	1	
513	6/9/2005	B2	*Lutjanus campechanus*	454	1	Caught on sow rig, swallowed hook
514	6/9/2005	B2	*Lutjanus campechanus*	371	1	
515	6/9/2005	B2	*Lutjanus campechanus*	396	1	
516	6/9/2005	B2	*Lutjanus campechanus*	515	1	Caught on sow rig

Table A7. Tagging data continued.

Tag No.	Date	Site	Species	Length	Release Condition	Comments
517	6/9/2005	B2	*Lutjanus campechanus*	418	1	
518	6/9/2005	B2	*Lutjanus campechanus*	517	1	
519	6/9/2005	B2	*Lutjanus campechanus*	346	1	
520	6/9/2005	B2	*Lutjanus campechanus*	327	1	
521	6/9/2005	B2	*Lutjanus campechanus*	450	1	Caught on sow rig
522	6/9/2005	B2	*Lutjanus campechanus*	440	1	
523	6/9/2005	B2	*Lutjanus campechanus*	372	1	Swallowed hook
524	6/9/2005	B2	*Lutjanus campechanus*	478	1	
525	6/9/2005	B2	*Lutjanus campechanus*	512	1	Caught on sow rig
526	6/9/2005	B2	*Lutjanus campechanus*	430	1	
527	6/9/2005	B2	*Lutjanus campechanus*	474	1	
528	6/9/2005	B2	*Lutjanus campechanus*	451	1	Caught on sow rig
529	6/9/2005	B2	*Lutjanus campechanus*	454	1	Swallowed hook
530	6/9/2005	B2	*Lutjanus campechanus*	481	1	
531	6/9/2005	B9	*Lutjanus campechanus*	444	1	
532	6/9/2005	B9	*Lutjanus campechanus*	376	3	
533	6/9/2005	B9	*Pagrus pagrus*	315	1	
534	6/9/2005	B9	*Mycteroperca microlepis*	534	1	
535	6/9/2005	B9	*Lutjanus campechanus*	376	3	
536	6/9/2005	B9	*Lutjanus campechanus*	402	1	
537	6/9/2005	B9	*Pagrus pagrus*	326	1	Dolphins present
538	6/9/2005	B9	*Balistes capriscus*	331	1	BO
539	6/9/2005	B9	*Balistes capriscus*	378	1	BO
540	6/9/2005	B9	*Lutjanus campechanus*	396	3	
541	6/9/2005	B9	*Lutjanus campechanus*	364	4	
542	6/9/2005	B9	*Lutjanus campechanus*	410	1	
543	6/9/2005	B9	*Lutjanus campechanus*	385	1	
544	6/9/2005	B9	*Lutjanus campechanus*	403	1	BO
545	6/9/2005	B9	*Lutjanus campechanus*	411	1	Caught on sow rig
546	6/9/2005	B9	*Lutjanus campechanus*	426	1	
547	6/9/2005	B9	*Lutjanus campechanus*	400	1	

Table A7. Tagging data continued.

Tag No.	Date	Site	Species	Length	Release Condition	Comments
548	6/9/2005	B9	*Lutjanus campechanus*	367	1	
549	6/9/2005	B9	*Lutjanus campechanus*	330	1	
550	6/9/2005	B9	*Lutjanus campechanus*	397	1	SE
551	6/9/2005	B9	*Lutjanus campechanus*	357	3	
552	6/9/2005	B9	*Lutjanus campechanus*	352	3	
553	6/9/2005	B9	*Lutjanus campechanus*	396	3	
554	6/9/2005	B9	*Lutjanus campechanus*	395	1	
555	6/9/2005	B9	*Lutjanus campechanus*	395	1	
556	6/9/2005	B9	*Lutjanus campechanus*	382	1	
557	6/9/2005	B9	*Mycteroperca microlepis*	532	1	Caught on sow rig
558	6/9/2005	B9	*Pagrus pagrus*	322	2	
559	6/9/2005	B9	*Lutjanus campechanus*	374	1	
560	6/9/2005	B9	*Lutjanus campechanus*	418	1	
561	6/9/2005	B9	*Mycteroperca microlepis*	560	1	
562	6/9/2005	B9	*Lutjanus campechanus*	396	1	
563	6/9/2005	B9	*Mycteroperca microlepis*	448	1	Caught on sow rig
564	6/9/2005	A20	*Rhomboplites aurorubens*	293	1	Lost right eye
565	6/9/2005	A20	*Pagrus pagrus*	345	1	
566	6/9/2005	A20	*Lutjanus campechanus*	423	1	
567	6/9/2005	A20	*Mycteroperca microlepis*	477	1	SE, swallowed hook
568	6/9/2005	A20	*Mycteroperca microlepis*	504	1	
569	6/9/2005	A20	*Mycteroperca microlepis*	566	1	SE
570	6/9/2005	A20	*Mycteroperca microlepis*	538	1	SE
571	6/9/2005	A20	*Pagrus pagrus*	309	1	
572	6/9/2005	A20	*Rhomboplites aurorubens*	317	1	
573	6/9/2005	A20	*Mycteroperca microlepis*	506	1	
574	6/9/2005	A20	*Mycteroperca microlepis*	467	1	
575	6/9/2005	A20	*Balistes capriscus*	269	1	
576	6/9/2005	A20	*Mycteroperca microlepis*	505	1	SE
577	6/9/2005	A20	*Mycteroperca microlepis*	485	1	Caught on sow rig, SE
578	6/9/2005	A20	*Mycteroperca phenax*	408	1	

Table A7. Tagging data continued.

Tag No.	Date	Site	Species	Length	Release Condition	Comments
579	6/9/2005	A19	*Pagrus pagrus*	316	1	
580	6/9/2005	A19	*Mycteroperca phenax*	362	1	dolphins present
581	6/9/2005	A19	*Lutjanus campechanus*	334	2	
582	6/9/2005	A19	*Balistes capriscus*	304	1	
583	6/9/2005	A19	*Lutjanus campechanus*	324	2	SE
584	6/9/2005	A19	*Lutjanus campechanus*	326	1	SE
585	6/9/2005	A19	*Lutjanus campechanus*	328	3	
586	6/9/2005	A19	*Lutjanus campechanus*	338	3	
587	6/9/2005	A19	*Lutjanus campechanus*	337	1	BO
588	6/9/2005	A19	*Lutjanus campechanus*	296	1	BO
589	6/9/2005	A19	*Lutjanus campechanus*	292	1	BO
590	6/9/2005	A19	*Lutjanus campechanus*	317	2	
591	6/9/2005	A19	*Lutjanus campechanus*	310	1	SE
592	6/9/2005	A19	*Lutjanus campechanus*	301	1	SE
593	6/9/2005	A19	*Lutjanus campechanus*	300	2	
594	6/9/2005	A19	*Lutjanus campechanus*	305	1	BO, more dolphins
595	6/9/2005	A19	*Lutjanus campechanus*	312	1	BO
596	6/9/2005	A19	*Lutjanus campechanus*	301	1	
597	6/9/2005	A19	*Lutjanus campechanus*	326	1	
598	6/9/2005	A19	*Lutjanus campechanus*	306	2	BO
599	6/9/2005	A19	*Lutjanus campechanus*	312	1	
600	6/9/2005	A19	*Lutjanus campechanus*	288	1	
601	6/9/2005	A19	*Lutjanus campechanus*	296	1	Caught on sow rig BO
602	6/9/2005	A19	*Lutjanus campechanus*	313	2	
603	6/9/2005	A19	*Epinephelus morio*	508	1	SE
604	6/9/2005	A19	*Lutjanus campechanus*	344	1	BO
605	6/9/2005	A19	*Lutjanus campechanus*	350	1	
606	6/9/2005	A19	*Pagrus pagrus*	315	2	
607	6/9/2005	A12	*Mycteroperca microlepis*	437	1	
608	6/9/2005	A12	*Lutjanus campechanus*	406	3	

Table A7. Tagging data continued.

Tag No.	Date	Site	Species	Length	Release Condition	Comments
609	6/9/2005	A12	*Pagrus pagrus*	362	1	
610	6/9/2005	A12	*Lutjanus campechanus*	397	1	
611	6/9/2005	A12	*Lutjanus campechanus*	617	1	Caught on sow rig
612	6/9/2005	A12	*Lutjanus campechanus*	372	1	
613	6/9/2005	A12	*Lutjanus campechanus*	422	1	
614	6/9/2005	A12	*Lutjanus campechanus*	370	1	Boat too close; left 14:14 to 14:20
615	6/9/2005	A12	*Mycteroperca microlepis*	488	1	
616	6/9/2005	A12	*Lutjanus campechanus*	391	1	
617	6/9/2005	A12	*Lutjanus campechanus*	379	1	
618	6/9/2005	A12	*Lutjanus campechanus*	434	1	Boat too close; left 14:27 to 14:3 1
619	6/9/2005	A12	*Lutjanus campechanus*	414	1	
620	6/9/2005	A12	*Mycteroperca microlepis*	435	1	
621	9/27/2005	A12	*Lutjanus campechanus*	317	1	Dolphin on site before first drop
622	9/27/2005	A12	*Lutjanus campechanus*	345	1	
623	9/27/2005	A12	*Lutjanus campechanus*	323	3	
624	9/27/2005	A12	*Lutjanus campechanus*	330	2	Eaten by dolphin
625	9/27/2005	A12	*Lutjanus campechanus*	328	1	
626	9/27/2005	A12	*Lutjanus campechanus*	334	1	
627	9/27/2005	A12	*Lutjanus campechanus*	327	1	
628	9/27/2005	A12	*Lutjanus campechanus*	380	1	
629	9/27/2005	A12	*Lutjanus campechanus*	404	1	
630	9/27/2005	A12	*Lutjanus campechanus*	338	1	
631	9/27/2005	A12	*Lutjanus campechanus*	310	3	Eaten by dolphin
632	9/27/2005	A12	*Lutjanus campechanus*	397	1	
633	9/27/2005	A12	*Lutjanus campechanus*	374	1	
634	9/27/2005	A12	*Lutjanus campechanus*	330	1	Eaten by dolphin
635	9/27/2005	A12	*Lutjanus campechanus*	327	1	
636	9/27/2005	A12	*Lutjanus campechanus*	348	1	
637	9/27/2005	A12	*Lutjanus campechanus*	314	1	
638	9/27/2005	A12	*Lutjanus campechanus*	427	1	
639	9/27/2005	A12	*Lutjanus campechanus*	372	1	

Table A7. Tagging data continued.

Tag No.	Date	Site	Species	Length	Release Condition	Comments
640	9/27/2005	A12	*Lutjanus campechanus*	311	4	Eaten by dolphin
641	9/27/2005	A12	*Lutjanus campechanus*	257	1	BO
642	9/27/2005	A12	*Lutjanus campechanus*	273	1	
643	9/27/2005	A12	*Lutjanus campechanus*	322	1	
644	9/27/2005	A12	*Lutjanus campechanus*	322	3	
645	9/27/2005	A12	*Lutjanus campechanus*	337	1	
646	9/27/2005	A12	*Lutjanus campechanus*	380	1	SE
647	9/27/2005	A12	*Lutjanus campechanus*	366	1	
648	9/27/2005	A12	*Lutjanus campechanus*	328	1	
649	9/27/2005	A12	*Lutjanus campechanus*	385	1	
650	9/27/2005	A12	*Lutjanus campechanus*	302	1	
651	9/27/2005	A12	*Lutjanus campechanus*	351	2	Caught on sow rig
652	9/27/2005	A12	*Lutjanus campechanus*	331	1	
653	9/27/2005	A12	*Lutjanus campechanus*	358	3	
654	9/27/2005	A12	*Lutjanus campechanus*	332	1	
655	9/27/2005	A12	*Balistes capriscus*	402	1	
656	9/27/2005	B8	*Lutjanus campechanus*	435	1	
657	9/27/2005	B8	*Lutjanus campechanus*	525	1	
658	9/27/2005	B8	*Lutjanus campechanus*	416	1	
659	9/27/2005	B8	*Lutjanus campechanus*	411	1	
660	9/27/2005	B8	*Lutjanus campechanus*	464	1	Caught on sow rig
661	9/27/2005	B8	*Lutjanus campechanus*	340	1	Bleeding from gills
662	9/27/2005	B8	*Lutjanus campechanus*	593	4	Eaten by dolphin, Caught on sow rig
663	9/27/2005	B8	*Lutjanus campechanus*	454	3	Bleeding from gills, eaten by dolphin
664	9/27/2005	B8	*Balistes capriscus*	395	1	
665	9/27/2005	B8	*Lutjanus campechanus*	425	1	Caught on sow rig
666	9/27/2005	B8	*Lutjanus campechanus*	370	2	
667	9/27/2005	B8	*Lutjanus campechanus*	331	1	
668	9/27/2005	B8	*Lutjanus campechanus*	555	1	Caught on sow rig
669	9/27/2005	B8	*Lutjanus campechanus*	420	2	
670	9/27/2005	B8	*Lutjanus campechanus*	541	1	

Table A7. Tagging data continued.

Tag No.	Date	Site	Species	Length	Release Condition	Comments
671	9/27/2005	B8	*Lutjanus campechanus*	352	3	
672	9/27/2005	B8	*Lutjanus campechanus*	344	1	
673	9/27/2005	B8	*Lutjanus campechanus*	400	1	Eaten by dolphin, Caught on sow rig
674	9/27/2005	B8	*Lutjanus campechanus*	330	1	
675	9/27/2005	B8	*Lutjanus campechanus*	391	1	
676	9/27/2005	B8	*Lutjanus campechanus*	394	1	
677	9/27/2005	B8	*Lutjanus campechanus*	400	1	SE, Caught on sow rig
678	9/27/2005	B8	*Lutjanus campechanus*	354	1	
679	9/27/2005	B8	*Lutjanus campechanus*	305	1	
680	9/27/2005	B8	*Lutjanus campechanus*	402	2	
681	9/27/2005	B8	*Lutjanus campechanus*	612	1	
682	9/27/2005	B8	*Lutjanus campechanus*	322	2	Caught on sow rig foul hooked
683	9/27/2005	B8	*Lutjanus campechanus*	325	1	
684	9/27/2005	B8	*Lutjanus campechanus*	388	1	Caught on sow rig
685	9/27/2005	B8	*Lutjanus campechanus*	381	3	
686	9/27/2005	B8	*Lutjanus campechanus*	284	4	
687	9/27/2005	B8	*Lutjanus campechanus*	410	2	Eaten by dolphin
688	9/27/2005	C32	*Lutjanus campechanus*	390	1	
689	9/27/2005	C32	*Lutjanus campechanus*	389	1	
690	9/27/2005	C32	*Lutjanus campechanus*	354	2	Caught on sow rig
691	9/27/2005	C32	*Lutjanus campechanus*	356	1	
692	9/27/2005	C32	*Lutjanus campechanus*	317	1	
693	9/27/2005	C32	*Lutjanus campechanus*	342	4	
694	9/27/2005	C32	*Lutjanus campechanus*	304	1	SE
695	9/27/2005	C32	*Lutjanus campechanus*	325	1	
696	9/27/2005	C32	*Lutjanus campechanus*	289	1	
697	9/27/2005	C32	*Lutjanus campechanus*	285	1	Caught on sow rig
698	9/27/2005	C32	*Lutjanus campechanus*	295	1	
699	9/27/2005	C32	*Lutjanus campechanus*	299	2	
700	9/27/2005	C32	*Lutjanus campechanus*	284	1	
701	9/27/2005	C32	*Lutjanus campechanus*	317	1	

Table A7. Tagging data continued.

Tag No.	Date	Site	Species	Length	Release Condition	Comments
702	9/27/2005	C32	*Lutjanus campechanus*	284	1	
703	9/27/2005	C32	*Lutjanus campechanus*	300	1	
704	9/27/2005	C21	*Lutjanus campechanus*	412	1	
705	9/27/2005	C21	*Lutjanus campechanus*	400	3	
706	9/27/2005	C21	*Lutjanus campechanus*	326	1	
707	9/27/2005	C21	*Lutjanus campechanus*	393	1	
708	9/27/2005	C21	*Lutjanus campechanus*	346	1	
709	9/27/2005	C21	*Lutjanus campechanus*	331	1	
710	9/27/2005	C21	*Lutjanus campechanus*	310	1	
711	9/27/2005	C21	*Lutjanus campechanus*	319	1	SE
712	9/27/2005	C21	*Lutjanus campechanus*	340	2	
713	9/27/2005	C21	*Lutjanus campechanus*	320	2	
714	9/27/2005	C21	*Lutjanus campechanus*	285	2	
715	9/27/2005	C21	*Lutjanus campechanus*	264	2	SE, eaten by dolphin
716	9/27/2005	C21	*Lutjanus campechanus*	340	1	
717	9/27/2005	C21	*Lutjanus campechanus*	335	3	Eaten by dolphin
718	9/27/2005	C21	*Lutjanus campechanus*	318	4	Eaten by dolphin
719	9/27/2005	C21	*Lutjanus campechanus*	312	1	SE
720	9/27/2005	C21	*Lutjanus campechanus*	317	1	
721	9/27/2005	C21	*Lutjanus campechanus*	370	1	SE
722	9/27/2005	C21	*Lutjanus campechanus*	373	3	
723	9/27/2005	C21	*Lutjanus campechanus*	391	2	BO, sow rig
724	9/27/2005	C21	*Lutjanus campechanus*	335	1	
725	9/27/2005	C21	*Lutjanus campechanus*	302	3	
726	9/27/2005	C21	*Lutjanus campechanus*	344	4	Eaten by dolphin
727	9/27/2005	C21	*Lutjanus campechanus*	316	4	Eaten by dolphin
728	9/27/2005	C21	*Lutjanus campechanus*	343	3	
729	9/27/2005	C21	*Lutjanus campechanus*	369	2	
730	9/27/2005	C21	*Balistes capriscus*	276	1	
731	9/27/2005	C21	*Lutjanus campechanus*	362	2	BO, Caught on sow rig
732	9/27/2005	C21	*Lutjanus campechanus*	457	1	

Table A7. Tagging data continued.

Tag No.	Date	Site	Species	Length	Release Condition	Comments
733	9/27/2005	C21	*Lutjanus campechanus*	322	4	
734	9/27/2005	C21	*Lutjanus campechanus*	309	1	SE
735	9/27/2005	C21	*Lutjanus campechanus*	258	1	SE
736	9/27/2005	C21	*Lutjanus campechanus*	390	3	Eaten by dolphin
737	9/27/2005	C21	*Lutjanus campechanus*	304	1	SE
738	9/27/2005	C21	*Lutjanus campechanus*	388	1	Caught on sow rig
739	9/27/2005	C21	*Lutjanus campechanus*	303	1	
740	9/27/2005	C21	*Lutjanus campechanus*	341	4	
741	9/27/2005	C21	*Lutjanus campechanus*	305	3	
742	9/27/2005	C21	*Lutjanus campechanus*	317	1	
743	9/27/2005	C21	*Lutjanus campechanus*	265	1	
744	9/27/2005	C21	*Pagrus pagrus*	298	1	
745	9/27/2005	C21	*Lutjanus campechanus*	335	4	Swallowed hook
746	9/27/2005	C21	*Lutjanus campechanus*	326	1	Swallowed hook
747	9/27/2005	C21	*Lutjanus campechanus*	333	1	
748	9/27/2005	C21	*Lutjanus campechanus*	264	1	SE
749	9/27/2005	C21	*Lutjanus campechanus*	320	4	
750	9/27/2005	C21	*Lutjanus campechanus*	310	1	
751	9/27/2005	C21	*Lutjanus campechanus*	344	1	
752	9/27/2005	C21	*Lutjanus campechanus*	306	2	
753	9/27/2005	C21	*Lutjanus campechanus*	376	1	
754	9/27/2005	C21	*Lutjanus campechanus*	352	1	SE
755	9/27/2005	C21	*Lutjanus campechanus*	328	1	
756	9/27/2005	C21	*Lutjanus campechanus*	304	2	
757	9/27/2005	C21	*Lutjanus campechanus*	392	1	Foul hooked, sow rig
758	9/27/2005	C21	*Lutjanus campechanus*	285	1	
759	9/27/2005	B9	*Mycteroperca microlepis*	520	1	SE, swallowed hook, eaten by dolphin
760	9/27/2005	B9	*Lutjanus campechanus*	327	1	
761	9/27/2005	B9	*Lutjanus campechanus*	347	1	
762	9/27/2005	B9	*Lutjanus campechanus*	460	1	Caught on sow rig
763	9/27/2005	B9	*Lutjanus campechanus*	328	1	

Table A7. Tagging data continued.

Tag No.	Date	Site	Species	Length	Release Condition	Comments
764	9/27/2005	B9	*Lutjanus campechanus*	270	1	
765	9/27/2005	B9	*Seriola fasciata*	395	1	
766	9/27/2005	B9	*Lutjanus campechanus*	485	1	SE, Eaten by dolphin
767	9/27/2005	B9	*Lutjanus campechanus*	359	1	
768	9/27/2005	B9	*Lutjanus campechanus*	340	4	Swallowed hook
769	9/27/2005	B9	*Lutjanus campechanus*	448	3	
770	9/27/2005	B9	*Seriola fasciata*	365	1	
771	9/27/2005	B9	*Lutjanus campechanus*	308	1	SE
772	9/27/2005	B9	*Lutjanus campechanus*	357	1	
773	9/27/2005	B9	*Lutjanus campechanus*	336	2	
774	9/27/2005	B9	*Lutjanus campechanus*	348	1	
775	9/27/2005	B9	*Lutjanus campechanus*	378	1	Caught on sow rig
776	9/27/2005	B9	*Lutjanus campechanus*	360	1	BO
777	9/27/2005	B9	*Seriola fasciata*	357	1	
778	9/27/2005	B9	*Lutjanus campechanus*	314	1	
779	9/27/2005	B9	*Lutjanus campechanus*	362	1	
780	9/27/2005	B9	*Lutjanus campechanus*	374	2	Eaten by dolphin
781	9/27/2005	B9	*Lutjanus campechanus*	344	1	
782	9/27/2005	B9	*Lutjanus campechanus*	286	1	
783	9/27/2005	B9	*Lutjanus campechanus*	340	2	Foul hooked
784	9/27/2005	B9	*Lutjanus campechanus*	389	1	
785	9/27/2005	B9	*Lutjanus campechanus*	356	1	
786	9/27/2005	B9	*Lutjanus campechanus*	342	1	
787	9/27/2005	B9	*Lutjanus campechanus*	397	1	SE
788	9/27/2005	B9	*Lutjanus campechanus*	356	1	SE
789	9/27/2005	B9	*Balistes capriscus*	434	4	Swallowed hook, hook left in
790	9/27/2005	C15	*Lutjanus campechanus*	405	1	Swallowed hook
791	9/27/2005	C15	*Lutjanus campechanus*	278	4	
792	9/27/2005	C15	*Rhomboplites aurorubens*	368	3	Swallowed hook
793	9/27/2005	C15	*Lutjanus campechanus*	310	1	
794	9/27/2005	C15	*Lutjanus campechanus*	341	1	

Table A7. Tagging data continued.

Tag No.	Date	Site	Species	Length	Release Condition	Comments
795	9/27/2005	C15	*Balistes capriscus*	325	1	
796	9/27/2005	C15	*Lutjanus campechanus*	355	1	
797	9/27/2005	C15	*Lutjanus campechanus*	384	1	Caught on sow rig
798	9/27/2005	C15	*Lutjanus campechanus*	306	1	
799	9/27/2005	C15	*Lutjanus campechanus*	326	1	
800	9/27/2005	C15	*Mycteroperca microlepis*	459	1	
801	9/27/2005	C15	*Lutjanus campechanus*	308	1	SE
802	9/27/2005	C15	*Lutjanus campechanus*	310	1	
803	9/27/2005	C15	*Lutjanus campechanus*	344	3	Caught on sow rig
804	9/27/2005	C15	*Lutjanus campechanus*	295	2	
805	9/27/2005	C15	*Lutjanus campechanus*	336	1	SE
806	9/27/2005	C15	*Lutjanus campechanus*	277	1	SE
807	9/27/2005	C15	*Lutjanus campechanus*	352	3	
808	9/27/2005	C15	*Lutjanus campechanus*	324	3	
809	9/27/2005	C15	*Lutjanus campechanus*	315	1	
810	9/27/2005	C15	*Rhomboplites aurorubens*	338	1	
811	9/27/2005	C15	*Balistes capriscus*	307	1	
812	9/27/2005	C15	*Lutjanus campechanus*	378	1	
813	9/27/2005	C15	*Lutjanus campechanus*	287	2	
814	9/27/2005	C15	*Lutjanus campechanus*	279	1	
815	9/27/2005	C15	*Lutjanus campechanus*	345	1	
816	9/27/2005	C15	*Lutjanus campechanus*	438	1	
817	9/27/2005	C15	*Balistes capriscus*	291	1	BO
818	9/27/2005	A19	*Lutjanus campechanus*	365	1	Swallowed hook
819	9/27/2005	A19	*Lutjanus campechanus*	321	1	SE
820	9/27/2005	A19	*Lutjanus campechanus*	265	1	
821	9/27/2005	A19	*Lutjanus campechanus*	301	2	SE
822	9/27/2005	A19	*Lutjanus campechanus*	292	2	
823	9/27/2005	A19	*Lutjanus campechanus*	277	4	
824	9/27/2005	A19	*Lutjanus campechanus*	316	4	
825	9/27/2005	A19	*Lutjanus campechanus*	316	1	

Table A7. Tagging data continued.

Tag No.	Date	Site	Species	Length	Release Condition	Comments
826	9/27/2005	A19	*Rhomboplites aurorubens*	296	1	
827	9/27/2005	A19	*Lutjanus campechanus*	265	1	
828	9/27/2005	A19	*Lutjanus campechanus*	262	1	
829	9/27/2005	A19	*Lutjanus campechanus*	322	1	SE
830	9/27/2005	A19	*Lutjanus campechanus*	257	3	Foul hooked, Caught on sow rig
831	9/27/2005	A19	*Lutjanus campechanus*	315	3	
832	9/27/2005	A19	*Lutjanus campechanus*	284	1	BO
833	9/27/2005	A19	*Rhomboplites aurorubens*	285	1	
834	9/27/2005	A19	*Lutjanus campechanus*	246	4	
835	9/27/2005	A19	*Lutjanus campechanus*	327	1	Caught on sow rig SE
836	9/27/2005	A19	*Lutjanus campechanus*	358	3	Swallowed hook
837	9/27/2005	A19	*Lutjanus campechanus*	287	1	
838	9/27/2005	A19	*Lutjanus campechanus*	320	1	SE
839	9/27/2005	A19	*Rhomboplites aurorubens*	304	1	
840	9/27/2005	A19	*Lutjanus campechanus*	301	1	
841	9/27/2005	A19	*Lutjanus campechanus*	379	2	Caught on sow rig
842	9/27/2005	A19	*Balistes capriscus*	300	1	
843	9/27/2005	A19	*Lutjanus campechanus*	382	1	
844	9/27/2005	A19	*Rhomboplites aurorubens*	276	2	
845	9/27/2005	A19	*Lutjanus synagris*	468	1	Caught on sow rig
846	9/27/2005	A19	*Rhomboplites aurorubens*	267	1	
847	9/27/2005	A19	*Lutjanus campechanus*	275	3	Swallowed hook
848	9/27/2005	A19	*Lutjanus campechanus*	358	1	
849	9/27/2005	A19	*Lutjanus campechanus*	320	2	Swallowed hook
850	9/27/2005	A19	*Lutjanus campechanus*	322	1	
851	9/27/2005	A19	*Lutjanus campechanus*	247	4	Swallowed hook
852	9/27/2005	A19	*Lutjanus campechanus*	345	1	
853	9/27/2005	A19	*Lutjanus synagris*	356	1	Caught on sow rig
854	9/27/2005	A19	*Lutjanus campechanus*	290	1	
855	9/27/2005	A19	*Lutjanus campechanus*	343	1	SE
856	9/27/2005	A19	*Lutjanus campechanus*	334	2	

Table A7. Tagging data continued.

Tag No.	Date	Site	Species	Length	Release Condition	Comments
857	9/27/2005	A19	*Lutjanus campechanus*	375	1	
858	9/27/2005	A19	*Lutjanus campechanus*	294	4	Bleeding
859	9/27/2005	A19	*Lutjanus campechanus*	312	2	
860	9/27/2005	A19	*Lutjanus campechanus*	297	1	
861	9/27/2005	A19	*Lutjanus campechanus*	313	1	Caught on sow rig
862	9/27/2005	A19	*Pagrus pagrus*	268	2	
863	9/27/2005	A19	*Lutjanus campechanus*	306	1	SE
864	9/27/2005	A19	*Lutjanus campechanus*	328	1	SE
865	9/27/2005	A19	*Lutjanus campechanus*	334	1	
866	9/27/2005	A19	*Lutjanus campechanus*	459	1	
867	9/27/2005	A19	*Lutjanus campechanus*	307	2	Swallowed hook
868	9/27/2005	A19	*Lutjanus campechanus*	312	1	SE
869	9/27/2005	A19	*Lutjanus campechanus*	278	1	
870	9/27/2005	A19	*Lutjanus campechanus*	303	1	
871	9/27/2005	A19	*Lutjanus campechanus*	262	2	Caught on sow rig
872	9/27/2005	A19	*Lutjanus campechanus*	361	1	
873	9/27/2005	A19	*Lutjanus campechanus*	376	2	Caught on sow rig, foul hooked
874	9/27/2005	A20	*Lutjanus campechanus*	310	1	
875	9/27/2005	A20	*Balistes capriscus*	311	1	
876	9/27/2005	A20	*Rhomboplites aurorubens*	342	1	
877	9/27/2005	A20	*Lutjanus campechanus*	294	1	SE
878	9/27/2005	A20	*Lutjanus campechanus*	338	2	BO
879	9/27/2005	A20	*Lutjanus campechanus*	335	2	Caught on sow rig
880	9/27/2005	A20	*Lutjanus campechanus*	380	1	
881	9/27/2005	A20	*Lutjanus campechanus*	323	1	SE
882	9/27/2005	A20	*Lutjanus campechanus*	350	3	Swallowed hook
883	9/27/2005	A20	*Lutjanus campechanus*	330	4	
884	9/27/2005	A20	*Lutjanus campechanus*	318	1	SE
885	9/27/2005	A20	*Lutjanus campechanus*	335	2	
886	9/27/2005	A20	*Lutjanus campechanus*	399	1	
887	9/27/2005	A20	*Lutjanus campechanus*	368	1	Caught on sow rig

Table A7. Tagging data continued.

Tag No.	Date	Site	Species	Length	Release Condition	Comments
888	9/27/2005	A20	*Lutjanus campechanus*	385	1	
889	9/27/2005	A20	*Lutjanus campechanus*	400	1	
890	9/27/2005	A20	*Lutjanus campechanus*	373	1	
891	9/27/2005	A20	*Rhomboplites aurorubens*	350	2	
892	9/27/2005	A20	*Lutjanus campechanus*	409	1	BO
893	9/27/2005	A20	*Lutjanus campechanus*	392	1	
894	9/27/2005	A20	*Lutjanus campechanus*	311	4	
895	9/27/2005	A20	*Lutjanus campechanus*	391	2	Caught on sow rig
896	9/27/2005	A20	*Lutjanus campechanus*	331	1	
897	9/27/2005	A20	*Lutjanus campechanus*	323	1	Caught on sow rig
898	9/27/2005	A20	*Lutjanus campechanus*	300	2	BO
899	9/27/2005	A20	*Lutjanus campechanus*	361	3	
900	9/27/2005	A20	*Lutjanus campechanus*	287	1	
901	9/27/2005	A20	*Lutjanus campechanus*	397	1	
902	9/27/2005	A20	*Lutjanus campechanus*	320	1	
903	9/27/2005	A20	*Lutjanus campechanus*	282	1	
904	9/27/2005	A20	*Rhomboplites aurorubens*	311	1	
905	9/27/2005	A20	*Lutjanus campechanus*	355	2	
906	9/27/2005	A20	*Lutjanus campechanus*	330	1	SE
907	9/27/2005	A20	*Lutjanus campechanus*	316	1	
908	9/27/2005	A20	*Lutjanus campechanus*	326	1	
909	9/27/2005	A20	*Lutjanus campechanus*	296	1	
910	9/27/2005	A20	*Balistes capriscus*	330	1	
911	9/27/2005	A20	*Lutjanus campechanus*	360	2	
912	9/27/2005	A20	*Lutjanus campechanus*	311	1	SE
913	9/27/2005	A20	*Lutjanus campechanus*	301	1	SE
914	9/27/2005	A20	*Mycteroperca microlepis*	506	1	
915	9/27/2005	A20	*Lutjanus campechanus*	350	1	
916	9/27/2005	A20	*Myceroperca phenax*	375	1	
917	9/27/2005	A20	*Lutjanus campechanus*	395	2	BO, Caught on sow rig
918	9/27/2005	A20	*Mycteroperca microlepis*	515	1	Caught on sow rig

Table A7. Tagging data continued.

Tag No.	Date	Site	Species	Length	Release Condition	Comments
919	9/27/2005	B2	*Lutjanus campechanus*	255	1	
920	9/27/2005	B2	*Lutjanus campechanus*	299	2	Swallowed hook
921	9/27/2005	B2	*Lutjanus campechanus*	260	1	SE
922	9/27/2005	B2	*Lutjanus campechanus*	415	1	
923	9/27/2005	B2	*Balistes capriscus*	310	1	
924	9/27/2005	B2	*Lutjanus campechanus*	400	1	Caught on sow rig
925	9/27/2005	B2	*Lutjanus campechanus*	395	1	
926	9/27/2005	B2	*Lutjanus campechanus*	340	1	SE
927	9/27/2005	B2	*Lutjanus campechanus*	312	1	
928	9/27/2005	B2	*Lutjanus campechanus*	369	3	Swallowed hook
929	9/27/2005	B2	*Lutjanus campechanus*	403	4	Swallowed hook
930	9/27/2005	B2	*Lutjanus campechanus*	343	1	
931	9/27/2005	B2	*Lutjanus campechanus*	269	1	SE
932	9/27/2005	B2	*Lutjanus campechanus*	311	1	
933	9/27/2005	B2	*Lutjanus campechanus*	464	1	Caught on sow rig
934	9/27/2005	B2	*Balistes capriscus*	300	1	
935	9/27/2005	B2	*Balistes capriscus*	286	1	
936	9/27/2005	B2	*Lutjanus campechanus*	415	2	
937	9/27/2005	B2	*Lutjanus campechanus*	281	1	
938	9/27/2005	B2	*Lutjanus campechanus*	287	1	Caught on sow rig
939	9/27/2005	B2	*Lutjanus campechanus*	281	2	Caught on sow rig
940	9/27/2005	B2	*Lutjanus campechanus*	262	1	
941	9/27/2005	B2	*Balistes capriscus*	295	1	
942	9/27/2005	B2	*Lutjanus campechanus*	286	1	
943	9/27/2005	B2	*Lutjanus campechanus*	299	1	
944	9/27/2005	B2	*Rhomboplites aurorubens*	304	1	Caught on sow rig
945	9/27/2005	B2	*Rhomboplites aurorubens*	298	1	
946	9/27/2005	B2	*Lutjanus campechanus*	306	1	
947	9/27/2005	B2	*Lutjanus campechanus*	328	4	
948	9/27/2005	B2	*Lutjanus campechanus*	350	3	Swallowed hook
949	9/27/2005	B2	*Lutjanus campechanus*	345	3	

Table A7. Tagging data continued.

Tag No.	Date	Site	Species	Length	Release Condition	Comments
950	9/27/2005	B2	*Lutjanus campechanus*	439	1	Caught on sow rig
951	9/27/2005	B2	*Lutjanus campechanus*	421	1	SE
952	9/27/2005	B2	*Lutjanus campechanus*	305	2	
953	9/27/2005	B2	*Lutjanus campechanus*	431	1	
954	9/27/2005	B2	*Lutjanus campechanus*	294	1	
955	9/27/2005	B2	*Lutjanus campechanus*	361	1	
956	9/27/2005	B2	*Lutjanus campechanus*	388	1	
957	9/27/2005	B2	*Lutjanus campechanus*	332	1	
958	9/27/2005	B2	*Lutjanus campechanus*	357	1	
959	9/27/2005	B2	*Lutjanus campechanus*	300	2	SE
960	9/27/2005	B2	*Lutjanus campechanus*	314	1	
961	9/27/2005	B2	*Lutjanus campechanus*	373	1	Caught on sow rig
962	9/27/2005	B2	*Lutjanus campechanus*	360	1	
963	9/27/2005	B2	*Lutjanus campechanus*	374	1	
964	9/27/2005	B2	*Lutjanus campechanus*	394	1	
965	9/27/2005	B2	*Lutjanus campechanus*	313	1	
966	9/27/2005	B2	*Lutjanus campechanus*	457	1	
967	9/27/2005	B2	*Balistes capriscus*	374	3	BO
968	9/27/2005	B2	*Lutjanus campechanus*	309	1	
969	9/27/2005	B2	*Lutjanus campechanus*	320	1	
970	9/27/2005	B2	*Lutjanus campechanus*	361	1	
971	9/27/2005	B2	*Lutjanus campechanus*	251	1	SE
972	9/27/2005	B2	*Lutjanus campechanus*	346	1	
973	9/27/2005	B2	*Lutjanus campechanus*	306	1	
974	12/22/2005	C32	*Balistes capriscus*	464	1	
975	12/22/2005	C32	*Lutjanus campechanus*	405	1	SE
976	12/22/2005	C32	*Lutjanus campechanus*	221	1	
977	12/22/2005	C32	*Lutjanus campechanus*	219	1	SE
978	12/22/2005	C32	*Lutjanus campechanus*	316	1	
979	12/22/2005	C32	*Lutjanus campechanus*	301	1	
980	12/22/2005	C32	*Balistes capriscus*	501	1	BO

Table A7. Tagging data continued.

Tag No.	Date	Site	Species	Length	Release Condition	Comments
981	12/22/2005	B8	*Lutjanus campechanus*	391	2	
982	12/22/2005	B8	*Lutjanus campechanus*	447	1	
983	12/22/2005	B8	*Lutjanus campechanus*	329	1	BO
984	12/22/2005	B8	*Lutjanus campechanus*	425	1	
985	12/22/2005	B8	*Lutjanus campechanus*	407	1	Caught on sow rig
986	12/22/2005	B8	*Lutjanus campechanus*	362	1	
987	12/22/2005	B8	*Lutjanus campechanus*	389	1	
988	12/22/2005	B8	*Lutjanus campechanus*	401	1	
989	12/22/2005	B8	*Balistes capriscus*	405	1	BO
990	12/22/2005	B8	*Lutjanus campechanus*	416	1	
991	12/22/2005	B8	*Lutjanus campechanus*	350	1	
992	12/22/2005	B8	*Balistes capriscus*	349	1	
993	12/22/2005	B8	*Balistes capriscus*	315	1	
994	12/22/2005	B8	*Balistes capriscus*	440	1	Had old hook in mouth
995	12/22/2005	B8	*Lutjanus campechanus*	445	1	
996	12/22/2005	B8	*Balistes capriscus*	420	1	
997	12/22/2005	B8	*Lutjanus campechanus*	462	1	BO
998	12/22/2005	B8	*Lutjanus campechanus*	395	1	SE, tag fell out
999	12/22/2005	B8	*Pagrus pagrus*	308	1	BO
1000	12/22/2005	B8	*Lutjanus campechanus*	344	1	
1001	12/22/2005	B8	*Lutjanus campechanus*	402	1	
1002	12/22/2005	B8	*Lutjanus campechanus*	386	1	Caught on sow rig
1003	12/22/2005	B8	*Balistes capriscus*	521	1	
1004	12/22/2005	B8	*Lutjanus campechanus*	396	1	
1005	12/22/2005	B8	*Lutjanus campechanus*	475	1	
1006	12/22/2005	B8	*Lutjanus campechanus*	496	1	BO, Caught on sow rig
1007	12/22/2005	B8	*Lutjanus campechanus*	426	1	
1008	12/22/2005	B8	*Lutjanus campechanus*	450	1	
1009	12/22/2005	B8	*Lutjanus campechanus*	318	1	
1010	12/22/2005	B8	*Lutjanus campechanus*	371	1	
1011	12/22/2005	B8	*Lutjanus campechanus*	330	2	

Table A7. Tagging data continued.

Tag No.	Date	Site	Species	Length	Release Condition	Comments
1012	12/22/2005	B8	*Lutjanus campechanus*	416	1	
1013	12/22/2005	B8	*Pagrus pagrus*	298	1	
1014	12/22/2005	B8	*Lutjanus campechanus*	314	1	
1015	12/22/2005	B8	*Lutjanus campechanus*	579	1	Caught on sow rig
1016	12/22/2005	B8	*Lutjanus campechanus*	344	1	BO
1017	12/22/2005	B8	*Lutjanus campechanus*	400	1	
1018	12/22/2005	B8	*Lutjanus campechanus*	400	1	
1019	12/22/2005	B8	*Lutjanus campechanus*	420	1	Caught on sow rig
1020	12/22/2005	B8	*Lutjanus campechanus*	367	1	
1021	12/22/2005	B8	*Lutjanus campechanus*	394	1	
1022	12/22/2005	B8	*Lutjanus campechanus*	411	1	
1023	12/22/2005	B8	*Lutjanus campechanus*	380	1	
1024	12/22/2005	B8	*Lutjanus campechanus*	375	1	
1025	12/22/2005	B8	*Lutjanus campechanus*	328	1	
1026	12/22/2005	B8	*Epinephelus morio*	691	1	
1027	12/22/2005	B8	*Lutjanus campechanus*	396	1	BO
1028	12/22/2005	A12	*Lutjanus campechanus*	345	1	
1029	12/22/2005	A12	*Lutjanus campechanus*	394	1	
1030	12/22/2005	A12	*Lutjanus campechanus*	328	1	
1031	12/22/2005	A12	*Lutjanus campechanus*	394	1	
1032	12/22/2005	A12	*Lutjanus campechanus*	335	1	SE
1033	12/22/2005	A12	*Lutjanus campechanus*	335	1	
1034	12/22/2005	A12	*Lutjanus campechanus*	360	1	
1035	12/22/2005	A12	*Lutjanus campechanus*	320	1	
1036	12/22/2005	A12	*Lutjanus campechanus*	357	1	
1037	12/22/2005	A12	*Lutjanus campechanus*	425	1	
1038	12/22/2005	A12	*Lutjanus campechanus*	322	3	
1039	12/22/2005	A12	*Lutjanus campechanus*	370	1	
1040	12/22/2005	A12	*Lutjanus campechanus*	384	1	Caught on sow rig
1041	12/22/2005	A12	*Lutjanus campechanus*	372	1	
1042	12/22/2005	A12	*Lutjanus campechanus*	312	1	

Table A7. Tagging data continued.

Tag No.	Date	Site	Species	Length	Release Condition	Comments
1043	12/22/2005	A12	*Lutjanus campechanus*	341	1	
1044	12/22/2005	A12	*Lutjanus campechanus*	338	1	
1045	12/22/2005	A12	*Lutjanus campechanus*	350	1	bleeding from gills
1046	12/22/2005	A12	*Lutjanus campechanus*	332	1	
1047	12/22/2005	A12	*Lutjanus campechanus*	400	1	
1048	12/22/2005	A12	*Lutjanus campechanus*	310	1	
1049	12/22/2005	A12	*Lutjanus campechanus*	362	1	
1050	12/22/2005	A12	*Lutjanus campechanus*	392	1	
1051	12/22/2005	A12	*Lutjanus campechanus*	325	1	SE
1052	12/22/2005	B2	*Balistes capriscus*	300	1	Dolphins present
1053	12/22/2005	B2	*Lutjanus campechanus*	368	1	
1054	12/22/2005	B2	*Lutjanus campechanus*	360	3	
1055	12/22/2005	B2	*Lutjanus campechanus*	396	1	Caught on sow rig
1056	12/22/2005	B2	*Pagrus pagrus*	285	1	
1057	12/22/2005	B2	*Lutjanus campechanus*	388	1	
1058	12/22/2005	B2	*Pagrus pagrus*	300	1	
1059	12/22/2005	B2	*Lutjanus campechanus*	343	1	SE
1060	12/22/2005	B2	*Lutjanus campechanus*	353	1	
1061	12/22/2005	B2	*Lutjanus campechanus*	368	1	
1062	12/22/2005	B2	*Pagrus pagrus*	317	1	BO
1063	12/22/2005	B2	*Pagrus pagrus*	308	1	
1064	12/22/2005	B2	*Balistes capriscus*	340	1	
1065	12/22/2005	B2	*Pagrus pagrus*	322	1	
1066	12/22/2005	B2	*Lutjanus campechanus*	355	1	
1067	12/22/2005	B2	*Lutjanus campechanus*	376	1	
1068	12/22/2005	B2	*Lutjanus campechanus*	385	1	BO
1069	12/22/2005	B2	*Balistes capriscus*	325	1	
1070	12/22/2005	B2	*Lutjanus campechanus*	350	1	
1071	12/22/2005	C15	*Lutjanus campechanus*	298	1	
1072	12/22/2005	C15	*Lutjanus campechanus*	300	1	
1073	12/22/2005	C15	*Pagrus pagrus*	311	1	

Table A7. Tagging data continued.

Tag No.	Date	Site	Species	Length	Release Condition	Comments
1074	12/22/2005	C15	*Seriola dumerili*	391	1	
1075	12/22/2005	C15	*Lutjanus campechanus*	297	1	
1076	12/22/2005	C15	*Lutjanus campechanus*	295	1	
1077	12/22/2005	C15	*Lutjanus campechanus*	308	1	Caught on sow rig
1078	12/22/2005	C15	*Lutjanus campechanus*	297	1	
1079	12/22/2005	C15	*Pagrus pagrus*	312	1	
1080	12/22/2005	C15	*Pagrus pagrus*	320	1	
1081	12/22/2005	C15	*Pagrus pagrus*	312	1	
1082	12/22/2005	C15	*Pagrus pagrus*	291	1	
1083	12/22/2005	C15	*Lutjanus campechanus*	305	1	
1084	12/22/2005	C15	*Pagrus pagrus*	295	1	
1085	12/22/2005	C15	*Seriola dumerili*	435	1	
1086	12/22/2005	C15	*Seriola rivoliana*	346	1	
1087	12/22/2005	C15	*Pagrus pagrus*	300	1	
1088	12/22/2005	C15	*Pagrus pagrus*	272	1	
1089	12/22/2005	C15	*Pagrus pagrus*	310	1	
1090	12/22/2005	C15	*Pagrus pagrus*	290	1	
1091	12/22/2005	C15	*Pagrus pagrus*	296	1	
1092	12/22/2005	C15	*Pagrus pagrus*	286	1	
1093	12/22/2005	C15	*Pagrus pagrus*	292	1	
1094	12/22/2005	C15	*Seriola dumerili*	442	1	
1095	12/22/2005	C15	*Pagrus pagrus*	349	1	
1096	12/22/2005	C15	*Pagrus pagrus*	340	1	
1097	12/22/2005	C15	*Pagrus pagrus*	315	1	
1098	12/22/2005	C15	*Pagrus pagrus*	276	1	
1099	12/22/2005	C15	*Pagrus pagrus*	285	1	
1100	12/22/2005	C15	*Pagrus pagrus*	304	1	
1101	12/22/2005	C15	*Pagrus pagrus*	271	1	
1102	12/22/2005	C21	*Lutjanus campechanus*	291	1	
1103	12/22/2005	C21	*Lutjanus campechanus*	283	2	Caught on sow rig
1104	12/22/2005	C21	*Lutjanus campechanus*	294	1	

Table A7. Tagging data continued.

Tag No.	Date	Site	Species	Length	Release Condition	Comments
1105	12/22/2005	C21	*Lutjanus campechanus*	302	1	
1106	12/22/2005	C21	*Pagrus pagrus*	348	1	
1107	12/22/2005	C21	*Pagrus pagrus*	297	1	
1108	12/22/2005	C21	*Pagrus pagrus*	305	1	
1109	12/22/2005	C21	*Mycteroperca phenax*	402	1	SE
1110	12/22/2005	C21	*Balistes capriscus*	295	1	
1111	12/22/2005	C21	*Pagrus pagrus*	321	1	
1112	12/22/2005	B9	*Lutjanus campechanus*	376	1	SE
1113	12/22/2005	B9	*Lutjanus campechanus*	406	1	
1114	12/22/2005	B9	*Lutjanus campechanus*	333	1	
1115	12/22/2005	B9	*Pagrus pagrus*	360	1	
1116	12/22/2005	B9	*Lutjanus campechanus*	309	1	
1117	12/22/2005	B9	*Lutjanus campechanus*	311	1	
1118	12/22/2005	B9	*Lutjanus campechanus*	316	1	
1119	12/22/2005	B9	*Lutjanus campechanus*	321	1	
1120	12/22/2005	B9	*Lutjanus campechanus*	374	1	SE
1121	12/22/2005	B9	*Lutjanus campechanus*	325	1	
1122	12/22/2005	B9	*Pagrus pagrus*	350	1	
1123	12/22/2005	B9	*Pagrus pagrus*	326	1	
1124	12/22/2005	B9	*Lutjanus campechanus*	292	1	SE
1125	12/22/2005	B9	*Pagrus pagrus*	331	1	
1126	12/22/2005	B9	*Lutjanus campechanus*	315	1	
1127	12/22/2005	B9	*Lutjanus campechanus*	314	1	BO, eaten by dolphin
1128	12/22/2005	B9	*Lutjanus campechanus*	286	1	
1129	12/22/2005	B9	*Pagrus pagrus*	280	1	BO
1130	12/22/2005	B9	*Lutjanus campechanus*	398	1	
1131	12/22/2005	B9	*Pagrus pagrus*	331	1	
1132	12/22/2005	B9	*Lutjanus campechanus*	344	1	
1133	12/22/2005	B9	*Lutjanus campechanus*	333	1	
1134	12/22/2005	B9	*Pagrus pagrus*	310	1	
1135	12/22/2005	B9	*Lutjanus campechanus*	318	1	SE

Table A7. Tagging data continued.

Tag No.	Date	Site	Species	Length	Release Condition	Comments
1136	12/22/2005	B9	*Pagrus pagrus*	285	1	
1137	12/22/2005	B9	*Pagrus pagrus*	290	1	
1138	12/22/2005	B9	*Pagrus pagrus*	324	1	BO
1139	12/22/2005	B9	*Pagrus pagrus*	288	1	
1140	12/22/2005	B9	*Pagrus pagrus*	315	1	
1141	12/22/2005	B9	*Lutjanus campechanus*	325	1	
1142	12/22/2005	B9	*Pagrus pagrus*	314	1	
1143	12/22/2005	B9	*Lutjanus campechanus*	291	1	
1144	12/22/2005	B9	*Pagrus pagrus*	286	1	
1145	12/22/2005	B9	*Lutjanus campechanus*	291	1	
1146	12/22/2005	B9	*Pagrus pagrus*	285	1	
1147	12/22/2005	B9	*Pagrus pagrus*	300	1	
1148	12/22/2005	B9	*Pagrus pagrus*	270	1	
1149	12/22/2005	A20	*Lutjanus campechanus*	395	1	
1150	12/22/2005	A20	*Epinephelus morio*	564	1	SE
1151	12/22/2005	A20	*Lutjanus campechanus*	404	1	SE, and bleeding from gills
1152	12/22/2005	A20	*Lutjanus campechanus*	382	1	
1153	12/22/2005	A20	*Lutjanus campechanus*	324	1	SE
1154	12/22/2005	A20	*Lutjanus campechanus*	333	1	
1155	12/22/2005	A20	*Lutjanus campechanus*	286	1	
1156	12/22/2005	A20	*Lutjanus campechanus*	390	1	
1157	12/22/2005	A20	*Lutjanus campechanus*	335	1	SE
1158	12/22/2005	A20	*Lutjanus campechanus*	381	1	
1159	12/22/2005	A20	*Lutjanus campechanus*	368	1	BO, and bleeding from gills
1160	12/22/2005	A20	*Lutjanus campechanus*	445	1	
1161	12/22/2005	A20	*Lutjanus campechanus*	400	1	
1162	12/22/2005	A20	*Lutjanus campechanus*	380	1	
1163	12/22/2005	A20	*Mycteroperca phenax*	376	1	
1164	12/22/2005	A20	*Lutjanus campechanus*	329	1	SE
1165	12/22/2005	A20	*Mycteroperca phenax*	382	3	
1166	12/22/2005	A20	*Lutjanus campechanus*	306	1	

Table A7. Tagging data continued.

Tag No.	Date	Site	Species	Length	Release Condition	Comments
1167	12/22/2005	A20	*Seriola rivoliana*	365	1	
1168	12/22/2005	A20	*Lutjanus campechanus*	311	2	SE
1169	12/22/2005	A20	*Lutjanus campechanus*	386	1	
1170	12/22/2005	A20	*Lutjanus campechanus*	362	1	
1171	12/22/2005	A20	*Lutjanus campechanus*	370	2	
1172	12/22/2005	A20	*Lutjanus campechanus*	383	1	
1173	12/22/2005	A20	*Pagrus pagrus*	325	1	
1174	12/22/2005	A20	*Pagrus pagrus*	342	1	
1175	12/22/2005	A20	*Lutjanus campechanus*	359	1	
1176	12/22/2005	A20	*Lutjanus campechanus*	358	1	
1177	12/22/2005	A20	*Pagrus pagrus*	337	1	
1178	12/22/2005	A20	*Pagrus pagrus*	290	1	
1179	12/22/2005	A20	*Pagrus pagrus*	304	1	
1180	12/22/2005	A20	*Pagrus pagrus*	316	1	
1181	12/22/2005	A20	*Pagrus pagrus*	270	1	
1182	12/22/2005	A20	*Lutjanus campechanus*	333	1	
1183	12/22/2005	A20	*Lutjanus campechanus*	378	1	SE
1184	12/22/2005	A20	*Lutjanus campechanus*	369	1	
1185	12/22/2005	A20	*Lutjanus campechanus*	381	1	SE
1186	12/22/2005	A20	*Pagrus pagrus*	284	1	BO
1187	12/22/2005	A20	*Pagrus pagrus*	279	1	
1188	12/22/2005	A20	*Pagrus pagrus*	320	1	
1189	12/22/2005	A20	*Lutjanus campechanus*	396	1	
1190	12/22/2005	A20	*Lutjanus campechanus*	319	1	
1191	12/22/2005	A19	*Pagrus pagrus*	345	1	Bleeding from gills
1192	12/22/2005	A19	*Pagrus pagrus*	329	1	
1193	12/22/2005	A19	*Pagrus pagrus*	254	1	
1194	4/5/2006	B2	*Lutjanus campechanus*	330	1	BO
1195	4/5/2006	B2	*Lutjanus campechanus*	438	1	Caught on sow rig, SE
1196	4/5/2006	B2	*Lutjanus campechanus*	403	1	
1197	4/5/2006	B2	*Balistes capriscus*	352	1	

Table A7. Tagging data continued.

Tag No.	Date	Site	Species	Length	Release Condition	Comments
1198	4/5/2006	B2	*Lutjanus campechanus*	445	1	
1199	4/5/2006	B2	*Lutjanus campechanus*	397	1	Caught on sow rig
1200	4/5/2006	B2	*Lutjanus campechanus*	394	1	
1201	4/5/2006	B2	*Lutjanus campechanus*	400	1	BO
1202	4/5/2006	B2	*Lutjanus campechanus*	368	1	
1203	4/5/2006	B2	*Lutjanus campechanus*	391	1	Caught on sow rig
1204	4/5/2006	B2	*Lutjanus campechanus*	368	1	
1205	4/5/2006	B2	*Balistes capriscus*	305	1	
1206	4/5/2006	B2	*Epinephelus morio*	502	1	
1207	4/5/2006	B2	*Lutjanus campechanus*	572	1	Caught on sow rig
1208	4/5/2006	B2	*Lutjanus campechanus*	381	1	
1209	4/5/2006	B2	*Lutjanus campechanus*	314	1	
1210	4/5/2006	B2	*Lutjanus campechanus*	330	1	BO
1211	4/5/2006	B2	*Lutjanus campechanus*	362	1	
1212	4/5/2006	B2	*Balistes capriscus*	311	1	
1213	4/5/2006	B2	*Balistes capriscus*	324	1	BO
1214	4/5/2006	B2	*Lutjanus campechanus*	362	1	
1215	4/5/2006	B2	*Lutjanus campechanus*	337	1	
1216	4/5/2006	B2	*Lutjanus campechanus*	324	3	BO
1217	4/5/2006	B2	*Lutjanus campechanus*	391	1	
1218	4/5/2006	B2	*Lutjanus campechanus*	298	2	
1219	4/5/2006	B2	*Lutjanus campechanus*	384	1	
1220	4/5/2006	B2	*Lutjanus campechanus*	286	3	Bleeding from gills
1222	4/5/2006	B2	*Lutjanus campechanus*	387	1	
1223	4/5/2006	B2	*Lutjanus campechanus*	368	1	
1224	4/5/2006	B2	*Lutjanus campechanus*	422	1	
1225	4/5/2006	B2	*Lutjanus campechanus*	387	1	
1226	4/5/2006	B2	*Lutjanus campechanus*	413	1	
1227	4/5/2006	C15	*Pagrus pagrus*	349	1	
1228	4/5/2006	C15	*Lutjanus campechanus*	425	1	
1229	4/5/2006	C15	*Lutjanus campechanus*	356	1	

Table A7. Tagging data continued.

Tag No.	Date	Site	Species	Length	Release Condition	Comments
1230	4/5/2006	C15	*Mycteroperca microlepis*	689	1	
1231	4/5/2006	C15	*Lutjanus campechanus*	311	3	
1232	4/5/2006	C15	*Lutjanus campechanus*	333	1	
1233	4/5/2006	C15	*Lutjanus campechanus*	337	1	
1234	4/5/2006	C15	*Pagrus pagrus*	283	1	
1235	4/5/2006	C15	*Pagrus pagrus*	289	1	
1236	4/5/2006	C15	*Pagrus pagrus*	289	1	SE
1237	4/5/2006	C15	*Pagrus pagrus*	295	1	
1238	4/5/2006	C15	*Lutjanus campechanus*	330	2	SE
1239	4/5/2006	C15	*Pagrus pagrus*	343	1	
1240	4/5/2006	C15	*Lutjanus campechanus*	330	1	
1241	4/5/2006	C15	*Lutjanus campechanus*	375	1	
1242	4/5/2006	C15	*Pagrus pagrus*	283	1	
1243	4/5/2006	C15	*Pagrus pagrus*	314	1	
1244	4/5/2006	C15	*Pagrus pagrus*	308	1	
1245	4/5/2006	C15	*Pagrus pagrus*	311	1	
1246	4/5/2006	C15	*Pagrus pagrus*	270	1	
1247	4/5/2006	C15	*Pagrus pagrus*	270	2	
1248	4/5/2006	C15	*Pagrus pagrus*	308	1	Bleeding from gills
1249	4/5/2006	C15	*Pagrus pagrus*	267	1	
1250	4/5/2006	A19	*Pagrus pagrus*	305	1	
1251	4/5/2006	A19	*Pagrus pagrus*	292	1	
1252	4/5/2006	A19	*Lutjanus campechanus*	254	1	
1253	4/5/2006	A19	*Pagrus pagrus*	276	1	
1254	4/5/2006	A19	*Pagrus pagrus*	295	1	
1255	4/5/2006	A19	*Pagrus pagrus*	311	1	
1256	4/5/2006	A19	*Pagrus pagrus*	289	1	
1257	4/5/2006	A19	*Pagrus pagrus*	267	1	
1258	4/5/2006	A19	*Pagrus pagrus*	308	1	
1259	4/5/2006	A19	*Pagrus pagrus*	298	1	
1260	4/5/2006	A19	*Pagrus pagrus*	257	1	

Table A7. Tagging data continued.

Tag No.	Date	Site	Species	Length	Release Condition	Comments
1261	4/5/2006	A20	*Lutjanus campechanus*	371	1	
1262	4/5/2006	A20	*Lutjanus campechanus*	470	1	
1263	4/5/2006	A20	*Rhomboplites aurorubens*	356	1	
1264	4/5/2006	A20	*Lutjanus campechanus*	381	1	SE
1265	4/5/2006	A20	*Lutjanus campechanus*	403	1	SE
1266	4/5/2006	A20	*Pagrus pagrus*	298	1	
1267	4/5/2006	A20	*Lutjanus campechanus*	356	1	SE
1268	4/5/2006	A20	*Pagrus pagrus*	343	1	
1269	4/5/2006	A20	*Lutjanus campechanus*	302	1	
1270	4/5/2006	A20	*Lutjanus campechanus*	318	1	
1271	4/5/2006	A20	*Lutjanus campechanus*	394	1	Bleeding from gills
1272	4/5/2006	A20	*Epinephelus morio*	673	1	
1273	4/5/2006	B9	*Lutjanus campechanus*	422	1	Gut hooked
1274	4/5/2006	B9	*Lutjanus campechanus*	381	1	
1275	4/5/2006	B9	*Lutjanus campechanus*	359	1	
1276	4/5/2006	B9	*Balistes capriscus*	346	1	
1277	4/5/2006	B9	*Lutjanus campechanus*	457	1	
1278	4/5/2006	B9	*Lutjanus campechanus*	572	1	BO, bleeding from gills, caught on sow rig
1279	4/5/2006	B9	*Lutjanus campechanus*	410	1	
1280	4/5/2006	B9	*Balistes capriscus*	330	1	BO
1281	4/5/2006	B9	*Lutjanus campechanus*	371	1	
1282	4/5/2006	B9	*Balistes capriscus*		1	BO, No measurements recorded
1283	4/5/2006	B9	*Lutjanus campechanus*	330	1	
1284	4/5/2006	B9	*Lutjanus campechanus*	413	1	
1285	4/5/2006	B9	*Lutjanus campechanus*	333	1	
1286	4/5/2006	B9	*Balistes capriscus*	324	1	
1287	4/5/2006	B9	*Balistes capriscus*	400	1	
1288	4/5/2006	B9	*Lutjanus campechanus*	308	1	
1289	4/5/2006	B9	*Pagrus pagrus*	298	1	
1290	4/5/2006	B9	*Lutjanus campechanus*	352	1	SE
1291	4/5/2006	B9	*Lutjanus campechanus*	337	1	BO

Table A7. Tagging data continued.

Tag No.	Date	Site	Species	Length	Release Condition	Comments
1292	4/5/2006	B9	*Pagrus pagrus*	337	1	
1293	4/5/2006	B9	*Pagrus pagrus*	286	1	
1294	4/5/2006	B9	*Balistes capriscus*	441	1	BO
1295	4/5/2006	B9	*Balistes capriscus*	346	1	
1296	4/5/2006	B9	*Lutjanus campechanus*	333	1	
1297	4/5/2006	B9	*Lutjanus campechanus*	359	1	
1298	4/5/2006	B9	*Lutjanus campechanus*	416	2	Bleeding from gills
1299	4/5/2006	B9	*Pagrus pagrus*	333	1	
1300	4/5/2006	C21	*Lutjanus campechanus*	302	1	
1301	4/5/2006	C21	*Lutjanus campechanus*	337	1	BO
1302	4/5/2006	C21	*Lutjanus campechanus*	267	1	
1303	4/5/2006	C21	*Rhomboplites aurorubens*	346	1	
1304	4/5/2006	C21	*Lutjanus campechanus*	267	1	
1305	4/5/2006	C21	*Pagrus pagrus*	305	1	
1306	4/5/2006	C21	*Pagrus pagrus*	295	1	
1307	4/5/2006	C21	*Rhomboplites aurorubens*	286	1	Caught on sow rig
1308	4/5/2006	C21	*Lutjanus campechanus*	359	1	BO
1309	4/5/2006	C21	*Pagrus pagrus*	257	2	
1310	4/5/2006	C21	*Lutjanus campechanus*	318	1	SE
1311	4/5/2006	C21	*Lutjanus campechanus*	289	1	
1313	4/5/2006	C21	*Lutjanus campechanus*	241	1	BO, lost tag #1312
1314	4/5/2006	C21	*Lutjanus campechanus*	286	1	BO
1315	4/5/2006	C21	*Lutjanus campechanus*	292	1	
1316	4/5/2006	C21	*Lutjanus campechanus*	324	4	
1317	4/5/2006	C21	*Pagrus pagrus*	286	1	
1318	4/5/2006	C21	*Pagrus pagrus*	248	1	
1319	4/5/2006	C21	*Lutjanus campechanus*	279	1	
1320	4/5/2006	C21	*Lutjanus campechanus*	343	1	
1321	4/5/2006	C21	*Lutjanus campechanus*	305	1	
1322	4/5/2006	C21	*Lutjanus campechanus*	267	1	
1323	4/5/2006	C21	*Lutjanus campechanus*	273	4	

Table A7. Tagging data continued.

Tag No.	Date	Site	Species	Length	Release Condition	Comments
1324	4/5/2006	C21	*Pagrus pagrus*	232	1	
1325	4/5/2006	C21	*Rhomboplites aurorubens*	314	1	
1326	4/5/2006	C21	*Pagrus pagrus*	273	1	
1327	4/5/2006	C21	*Lutjanus campechanus*	324	2	SE
1328	4/5/2006	C21	*Pagrus pagrus*	311	1	
1329	4/5/2006	C21	*Pagrus pagrus*	267	1	
1330	4/5/2006	C21	*Pagrus pagrus*	264	1	
1331	4/5/2006	B8	*Lutjanus campechanus*	340	1	SE
1332	4/5/2006	B8	*Lutjanus campechanus*	429	1	
1333	4/5/2006	B8	*Lutjanus campechanus*	314	1	
1334	4/5/2006	B8	*Lutjanus campechanus*	387	1	3 dolphins
1335	4/5/2006	B8	*Lutjanus campechanus*	311	1	BO
1336	4/5/2006	B8	*Balistes capriscus*	445	1	Bo, bleeding from gills
1337	4/5/2006	B8	*Lutjanus campechanus*	445	1	
1338	4/5/2006	B8	*Lutjanus campechanus*	486	1	BO
1339	4/5/2006	B8	*Lutjanus campechanus*	356	1	
1340	4/5/2006	B8	*Lutjanus campechanus*	343	1	
1341	4/5/2006	B8	*Lutjanus campechanus*	445	1	
1342	4/5/2006	B8	*Pagrus pagrus*	254	1	
1343	4/5/2006	B8	*Lutjanus campechanus*	260	1	
1344	4/5/2006	B8	*Pagrus pagrus*	375	1	SE
1345	4/5/2006	B8	*Pagrus pagrus*	318	1	
1346	4/5/2006	B8	*Lutjanus campechanus*	314	1	
1347	4/5/2006	B8	*Lutjanus campechanus*	416	1	
1348	4/5/2006	B8	*Lutjanus campechanus*	286	1	
1349	4/5/2006	B8	*Lutjanus campechanus*	384	1	
1350	4/5/2006	B8	*Lutjanus campechanus*	543	1	Caught on sow rig, bleeding from gills
1351	4/5/2006	B8	*Lutjanus campechanus*	356	1	
1352	4/5/2006	B8	*Lutjanus campechanus*	289	1	
1353	4/5/2006	B8	*Lutjanus campechanus*	362	1	
1354	4/5/2006	B8	*Pagrus pagrus*	346	1	

Table A7. Tagging data continued.

Tag No.	Date	Site	Species	Length	Release Condition	Comments
1355	6/8/2006	B8	*Lutjanus campechanus*	400	1	
1356	6/8/2006	B8	*Lutjanus campechanus*	574	1	
1357	6/8/2006	B8	*Lutjanus campechanus*	471	1	
1358	6/8/2006	B8	*Lutjanus campechanus*	465	1	
1359	6/8/2006	B8	*Lutjanus campechanus*	391	1	
1360	6/8/2006	B8	*Lutjanus campechanus*	375	1	
1361	6/8/2006	B8	*Lutjanus campechanus*	348	1	BO
1362	6/8/2006	B8	*Lutjanus campechanus*	305	1	BO
1363	6/8/2006	B8	*Lutjanus campechanus*	586	1	
1364	6/8/2006	B8	*Lutjanus campechanus*	340	1	
1365	6/8/2006	B8	*Lutjanus campechanus*	548	1	
1366	6/8/2006	B8	*Lutjanus campechanus*	542	1	
1367	6/8/2006	B8	*Pagrus pagrus*	322	1	Dolphins present
1368	6/8/2006	B8	*Pagrus pagrus*	320	1	
1369	6/8/2006	B8	*Lutjanus campechanus*	378	1	Swallowed hook
1370	6/8/2006	B8	*Lutjanus campechanus*	381	1	
1371	6/8/2006	B8	*Lutjanus campechanus*	378	1	
1372	6/8/2006	B8	*Lutjanus campechanus*	395	1	
1373	6/8/2006	B8	*Lutjanus campechanus*	670	2	
1374	6/8/2006	B8	*Lutjanus campechanus*	392	1	Caught on sow rig, BO
1375	6/8/2006	B8	*Lutjanus campechanus*	450	1	
1376	6/8/2006	B8	*Lutjanus campechanus*	333	1	
1377	6/8/2006	B8	*Lutjanus campechanus*	355	1	BO
1378	6/8/2006	B8	*Lutjanus campechanus*	335	1	
1379	6/8/2006	B8	*Lutjanus campechanus*	334	1	
1380	6/8/2006	B8	*Lutjanus campechanus*	451	1	
1381	6/8/2006	B8	*Lutjanus campechanus*	370	1	BO
1382	6/8/2006	B8	*Lutjanus campechanus*	505	1	
1383	6/8/2006	B8	*Lutjanus campechanus*	335	1	
1384	6/8/2006	B8	*Lutjanus campechanus*	405	1	
1385	6/8/2006	B8	*Lutjanus campechanus*	375	1	

Table A7. Tagging data continued.

Tag No.	Date	Site	Species	Length	Release Condition	Comments
1386	6/8/2006	B8	*Lutjanus campechanus*	328	1	BO
1387	6/8/2006	B8	*Lutjanus campechanus*	450	1	Caught on sow rig
1388	6/8/2006	B8	*Lutjanus campechanus*	356	1	
1389	6/8/2006	B8	*Lutjanus campechanus*	390	1	
1390	6/8/2006	B8	*Lutjanus campechanus*	370	1	
1391	6/8/2006	B8	*Lutjanus campechanus*	336	1	
1392	6/8/2006	B8	*Lutjanus campechanus*	345	1	BO
1393	6/8/2006	B8	*Lutjanus campechanus*	360	1	
1394	6/8/2006	B8	*Pagrus pagrus*	280	1	
1395	6/8/2006	B8	*Pagrus pagrus*	330	1	
1396	6/8/2006	B8	*Pagrus pagrus*	309	2	
1397	6/8/2006	B8	*Pagrus pagrus*	273	1	
1398	6/8/2006	B8	*Lutjanus campechanus*	445	1	Bleeding from gills
1399	6/8/2006	C21	*Balistes capriscus*	290	1	BO
1400	6/8/2006	C21	*Epinephelus morio*	518	1	SE
1401	6/8/2006	C21	*Lutjanus campechanus*	251	1	SE
1402	6/8/2006	C21	*Pagrus pagrus*	334	1	
1403	6/8/2006	C21	*Mycteroperca phenax*	355	1	Foul hooked
1404	6/8/2006	C21	*Pagrus pagrus*	270	2	
1405	6/8/2006	C21	*Pagrus pagrus*	286	1	
1406	6/8/2006	C21	*Lutjanus campechanus*	307	1	SE
1407	6/8/2006	C21	*Lutjanus campechanus*	302	1	SE
1408	6/8/2006	C21	*Lutjanus campechanus*	269	1	
1409	6/8/2006	C21	*Lutjanus campechanus*	267	1	SE
1410	6/8/2006	C21	*Lutjanus campechanus*	254	1	
1411	6/8/2006	C21	*Lutjanus campechanus*	266	1	SE
1412	6/8/2006	C21	*Balistes capriscus*	256	1	
1413	6/8/2006	C21	*Balistes capriscus*	294	1	
1414	6/8/2006	C21	*Rhomboplites aurorubens*	326	1	
1415	6/8/2006	C21	*Pagrus pagrus*	280	1	
1416	6/8/2006	C21	*Mycteroperca phenax*	415	1	

Table A7. Tagging data continued.

Tag No.	Date	Site	Species	Length	Release Condition	Comments
1417	6/8/2006	C21	*Pagrus pagrus*	285	1	
1418	6/8/2006	C21	*Rhomboplites aurorubens*	346	1	
1419	6/8/2006	C21	*Pagrus pagrus*	262	2	
1420	6/8/2006	C21	*Balistes capriscus*	260	1	
1421	6/8/2006	C21	*Rhomboplites aurorubens*	303	1	
1422	6/8/2006	C21	*Pagrus pagrus*	273	1	
1423	6/8/2006	C21	*Pagrus pagrus*	275	1	
1424	6/8/2006	C21	*Rhomboplites aurorubens*	410	3	
1425	6/8/2006	C21	*Pagrus pagrus*	289	2	
1426	6/8/2006	C21	*Rhomboplites aurorubens*	341	1	
1427	6/8/2006	C21	*Lutjanus campechanus*	251	1	SE
1428	6/8/2006	C21	*Pagrus pagrus*	270	1	
1429	6/8/2006	B9	*Lutjanus campechanus*	485	1	BO
1430	6/8/2006	B9	*Pagrus pagrus*	295	1	
1431	6/8/2006	B9	*Pagrus pagrus*	302	1	
1432	6/8/2006	B9	*Balistes capriscus*	371	1	
1433	6/8/2006	B9	*Pagrus pagrus*	315	1	
1434	6/8/2006	B9	*Pagrus pagrus*	306	1	
1435	6/8/2006	B9	*Pagrus pagrus*	300	1	
1436	6/8/2006	B9	*Pagrus pagrus*	261	1	
1437	6/8/2006	B9	*Pagrus pagrus*	310	1	
1438	6/8/2006	B9	*Pagrus pagrus*	290	1	
1439	6/8/2006	B9	*Lutjanus campechanus*	502	1	Caught on sow rig SE
1440	6/8/2006	B9	*Lutjanus campechanus*	394	1	SE
1441	6/8/2006	B9	*Lutjanus campechanus*	435	1	BO
1442	6/8/2006	B9	*Lutjanus campechanus*	441	1	
1443	6/8/2006	B9	*Pagrus pagrus*	286	1	
1444	6/8/2006	B9	*Lutjanus campechanus*	335	1	
1445	6/8/2006	B9	*Balistes capriscus*	339	1	
1446	6/8/2006	B9	*Lutjanus campechanus*	393	1	SE
1447	6/8/2006	B9	*Lutjanus campechanus*	393	1	BO

Table A7. Tagging data continued.

Tag No.	Date	Site	Species	Length	Release Condition	Comments
1448	6/8/2006	B9	*Lutjanus campechanus*	359	1	BO
1449	6/8/2006	B9	*Lutjanus campechanus*	380	1	
1450	6/8/2006	B9	*Pagrus pagrus*	306	2	
1451	6/8/2006	B9	*Pagrus pagrus*	303	2	
1452	6/8/2006	B9	*Pagrus pagrus*	315	1	
1453	6/8/2006	B9	*Lutjanus campechanus*	405	1	
1454	6/8/2006	B9	*Pagrus pagrus*	312	1	
1455	6/8/2006	B9	*Balistes capriscus*	306	1	
1456	6/8/2006	B9	*Pagrus pagrus*	321	1	
1457	6/8/2006	B9	*Pagrus pagrus*	281	1	
1458	6/8/2006	B9	*Pagrus pagrus*	307	1	
1459	6/8/2006	B9	*Pagrus pagrus*	287	1	
1460	6/8/2006	B9	*Balistes capriscus*	304	1	Dolphins present
1461	6/8/2006	B9	*Lutjanus campechanus*	366	1	Caught on sow rig
1462	6/8/2006	B9	*Pagrus pagrus*	283	1	
1463	6/8/2006	B9	*Seriola rivoliana*	396	1	
1464	6/8/2006	B9	*Pagrus pagrus*	279	1	
1465	6/8/2006	B9	*Pagrus pagrus*	268	1	Caught on sow rig
1466	6/8/2006	B9	*Pagrus pagrus*	271	1	
1467	6/8/2006	B9	*Pagrus pagrus*	290	1	
1468	6/8/2006	B9	*Pagrus pagrus*	311	1	
1469	6/8/2006	B9	*Lutjanus campechanus*	360	1	BO
1470	6/8/2006	B9	*Lutjanus campechanus*	329	1	SE
1471	6/8/2006	B9	*Pagrus pagrus*	285	1	
1472	6/8/2006	B9	*Pagrus pagrus*	295	1	
1473	6/8/2006	B9	*Pagrus pagrus*	285	1	
1474	6/8/2006	B9	*Pagrus pagrus*	293	1	
1475	6/8/2006	B9	*Pagrus pagrus*	283	1	
1476	6/8/2006	B9	*Pagrus pagrus*	339	2	
1477	6/8/2006	B9	*Pagrus pagrus*	301	1	
1478	6/8/2006	B9	*Lutjanus campechanus*	358	1	Caught on sow rig, BO

Table A7. Tagging data continued.

Tag No.	Date	Site	Species	Length	Release Condition	Comments
1479	6/8/2006	B9	*Pagrus pagrus*	314	1	
1480	6/8/2006	B9	*Pagrus pagrus*	291	1	
1481	6/8/2006	B9	*Pagrus pagrus*	271	1	
1482	6/8/2006	A20	*Lutjanus campechanus*	355	1	BO, dolphins
1483	6/8/2006	A20	*Rhomboplites aurorubens*	315	1	
1484	6/8/2006	A20	*Rhomboplites aurorubens*	320	1	
1485	6/8/2006	A20	*Rhomboplites aurorubens*	330	1	
1486	6/8/2006	A20	*Rhomboplites aurorubens*	310	1	
1487	6/8/2006	A20	*Rhomboplites aurorubens*	310	1	Caught on sow rig
1488	6/8/2006	A20	*Lutjanus campechanus*	291	1	BO
1489	6/8/2006	A20	*Pagrus pagrus*	255	1	
1490	6/8/2006	A20	*Pagrus pagrus*	288	1	
1491	6/8/2006	A20	*Lutjanus campechanus*	285	4	Swallowed hook
1492	6/8/2006	A20	*Lutjanus campechanus*	358	1	
1493	6/8/2006	A20	*Lutjanus campechanus*	295	1	
1494	6/8/2006	A20	*Lutjanus campechanus*	315	1	
1495	6/8/2006	A20	*Rhomboplites aurorubens*	280	1	
1496	6/8/2006	A20	*Lutjanus campechanus*	309	1	
1497	6/8/2006	A19	*Lutjanus campechanus*	250	2	SE
1498	6/8/2006	A19	*Pagrus pagrus*	287	1	
1499	6/8/2006	C15	*Balistes capriscus*	343	1	
1500	6/8/2006	C15	*Lutjanus campechanus*	365	1	
1501	6/8/2006	C15	*Balistes capriscus*	324	1	
1502	6/8/2006	C15	*Lutjanus campechanus*	307	1	SE
1503	6/8/2006	C15	*Seriola dumerili*	422	1	Caught on diamond jig
1504	6/8/2006	C15	*Lutjanus campechanus*	338	1	
1505	6/8/2006	C15	*Balistes capriscus*	265	1	
1506	6/8/2006	C15	*Mycteroperca microlepis*	596	1	Caught on diamond jig
1507	6/8/2006	C32	*Lutjanus campechanus*	351	1	BO
1508	6/8/2006	C32	*Lutjanus campechanus*	357	1	
1509	6/8/2006	C32	*Lutjanus campechanus*	334	1	

Table A7. Tagging data continued.

Tag No.	Date	Site	Species	Length	Release Condition	Comments
1510	6/8/2006	C32	*Lutjanus campechanus*	422	1	
1511	6/8/2006	C32	*Lutjanus campechanus*	349	1	
1512	6/8/2006	C32	*Lutjanus campechanus*	376	1	Caught on sow rig, BO
1513	6/8/2006	C32	*Lutjanus campechanus*	370	1	
1514	6/8/2006	C32	*Lutjanus campechanus*	370	1	Caught on sow rig
1515	6/8/2006	C32	*Lutjanus campechanus*	360	1	
1516	6/8/2006	C32	*Lutjanus campechanus*	316	1	BO
1517	6/8/2006	C32	*Lutjanus campechanus*	381	1	
1518	6/8/2006	C32	*Lutjanus campechanus*	336	1	Caught on diamond jig
1519	6/8/2006	C32	*Lutjanus campechanus*	343	1	
1520	6/8/2006	C32	*Lutjanus campechanus*	289	1	
1521	6/8/2006	C32	*Lutjanus campechanus*	262	1	
1522	6/8/2006	C32	*Lutjanus campechanus*	267	1	
1523	6/8/2006	C32	*Lutjanus campechanus*	347	1	
1524	6/8/2006	C32	*Lutjanus campechanus*	630	2	Caught on sow rig
1525	6/8/2006	A12	*Lutjanus campechanus*	306	1	BO
1526	6/8/2006	A12	*Lutjanus campechanus*	306	1	
1527	6/8/2006	A12	*Lutjanus campechanus*	303	1	
1528	6/8/2006	A12	*Lutjanus campechanus*	307	3	Caught on sow rig
1529	6/8/2006	A12	*Lutjanus campechanus*	262	1	
1530	6/8/2006	A12	*Lutjanus campechanus*	272	1	
1531	6/8/2006	A12	*Lutjanus campechanus*	280	2	Swallowed hook
1532	6/8/2006	A12	*Lutjanus campechanus*	286	1	BO
1533	6/8/2006	A12	*Lutjanus campechanus*	250	2	
1534	6/8/2006	A12	*Lutjanus campechanus*	251	1	
1535	6/8/2006	A12	*Lutjanus campechanus*	312	3	Caught on sow rig
1536	6/8/2006	A12	*Lutjanus synagris*	265	1	
1537	6/8/2006	A12	*Lutjanus campechanus*	290	1	SE
1538	6/8/2006	B2	*Balistes capriscus*	330	1	
1539	6/8/2006	B2	*Lutjanus campechanus*	395	1	
1540	6/8/2006	B2	*Pagrus pagrus*	290	1	

Table A7. Tagging data continued.

Tag No.	Date	Site	Species	Length	Release Condition	Comments
1541	6/8/2006	B2	*Lutjanus campechanus*	438	3	Caught on sow rig, bleeding from gills
1542	6/8/2006	B2	*Lutjanus synagris*	359	1	SE
1543	6/8/2006	B2	*Lutjanus campechanus*	471	1	Bleeding from gills
1544	6/8/2006	B2	*Pagrus pagrus*	287	1	
1545	6/8/2006	B2	*Lutjanus campechanus*	370	1	BO
1546	6/8/2006	B2	*Lutjanus synagris*	364	1	SE
1547	6/8/2006	B2	*Lutjanus campechanus*	453	2	Caught on sow rig, BO
1548	6/8/2006	B2	*Lutjanus campechanus*	362	1	
1549	6/8/2006	B2	*Pagrus pagrus*	317	1	
1550	6/8/2006	B2	*Lutjanus campechanus*	320	1	
1551	6/8/2006	B2	*Lutjanus campechanus*	400	1	Bleeding from gills
1552	6/8/2006	B2	*Pagrus pagrus*	286	1	
1553	6/8/2006	B2	*Lutjanus campechanus*	310	1	
1554	6/8/2006	B2	*Lutjanus campechanus*	340	1	BO
1555	6/8/2006	B2	*Lutjanus campechanus*	422	1	
1556	6/8/2006	B2	*Lutjanus campechanus*	323	1	
1557	6/8/2006	B2	*Lutjanus campechanus*	431	1	
1558	6/8/2006	B2	*Lutjanus campechanus*	361	1	Caught on sow rig, dophins present
1559	6/8/2006	B2	*Lutjanus campechanus*	285	1	
1560	6/8/2006	B2	*Lutjanus synagris*	355	1	SE
1561	6/8/2006	B2	*Lutjanus campechanus*	405	1	
1562	6/8/2006	B2	*Lutjanus campechanus*	383	1	BO
1563	6/8/2006	B2	*Lutjanus campechanus*	316	1	BO
1564	6/8/2006	B2	*Lutjanus campechanus*	315	1	BO
1565	6/8/2006	B2	*Lutjanus campechanus*	478	1	
1566	6/8/2006	B2	*Lutjanus campechanus*	313	1	SE
1567	6/8/2006	B2	*Pagrus pagrus*	321	1	
1568	9/15/2006	B8	*Lutjanus campechanus*	368	1	
1569	9/15/2006	B8	*Lutjanus campechanus*	349	2	
1570	9/15/2006	B8	*Lutjanus campechanus*	413	1	
1571	9/15/2006	B8	*Lutjanus campechanus*	359	1	Caught on sow rig

Table A7. Tagging data continued.

Tag No.	Date	Site	Species	Length	Release Condition	Comments
1572	9/15/2006	B8	*Lutjanus campechanus*	381	1	
1573	9/15/2006	B8	*Lutjanus campechanus*	419	2	
1574	9/15/2006	B8	*Lutjanus campechanus*	381	3	Bleeding from Gills
1575	9/15/2006	B8	*Lutjanus campechanus*	298	1	Caught on sow rig
1576	9/15/2006	B8	*Lutjanus campechanus*	387	1	
1577	9/15/2006	B8	*Lutjanus campechanus*	400	1	
1578	9/15/2006	B8	*Lutjanus campechanus*	371	1	
1579	9/15/2006	B8	*Lutjanus campechanus*	362	3	
1580	9/15/2006	B8	*Lutjanus campechanus*	387	1	
1581	9/15/2006	B8	*Lutjanus campechanus*	381	1	Caught on sow rig
1582	9/15/2006	B8	*Lutjanus campechanus*	406	1	SE
1583	9/15/2006	B8	*Lutjanus campechanus*	410	1	
1584	9/15/2006	B8	*Lutjanus campechanus*	286	1	
1585	9/15/2006	B8	*Mycteroperca microlepis*	457	1	
1586	9/15/2006	B8	*Rhomboplites aurorubens*	292	1	
1587	9/15/2006	B8	*Lutjanus campechanus*	483	1	
1588	9/15/2006	B8	*Lutjanus campechanus*	346	1	
1589	9/15/2006	B8	*Lutjanus campechanus*	368	3	Bleeding from Gills
1590	9/15/2006	B8	*Lutjanus campechanus*	371	1	Caught on sow rig
1591	9/15/2006	B8	*Lutjanus campechanus*	375	1	
1592	9/15/2006	B8	*Lutjanus campechanus*	381	2	
1593	9/15/2006	B8	*Lutjanus campechanus*	387	3	Bleeding from Gills
1594	9/15/2006	B8	*Lutjanus campechanus*	305	1	
1595	9/15/2006	B8	*Lutjanus campechanus*	403	1	
1596	9/15/2006	B8	*Lutjanus campechanus*	302	1	
1597	9/15/2006	B8	*Lutjanus campechanus*	356	1	
1598	9/15/2006	B8	*Lutjanus campechanus*	305	2	
1599	9/15/2006	B8	*Rhomboplites aurorubens*	314	1	
1600	9/15/2006	B8	*Lutjanus campechanus*	359	1	
1601	9/15/2006	B8	*Lutjanus campechanus*	337	1	
1602	9/15/2006	B8	*Lutjanus campechanus*	311	1	SE

Table A7. Tagging data continued.

Tag No.	Date	Site	Species	Length	Release Condition	Comments
1603	9/15/2006	B8	*Lutjanus campechanus*	413	1	
1604	9/15/2006	B8	*Lutjanus campechanus*	337	1	
1605	9/15/2006	B8	*Lutjanus campechanus*	422	1	Caught on sow rig
1606	9/15/2006	B8	*Lutjanus campechanus*	346	1	
1607	9/15/2006	B8	*Lutjanus campechanus*	429	1	SE
1608	9/15/2006	B8	*Lutjanus campechanus*	340	1	
1609	9/15/2006	B8	*Lutjanus campechanus*	387	1	
1610	9/15/2006	B8	*Lutjanus campechanus*	337	1	
1611	9/15/2006	B8	*Lutjanus campechanus*	333	1	
1612	9/15/2006	B8	*Lutjanus campechanus*	391	1	
1613	9/15/2006	B8	*Lutjanus campechanus*	394	1	Sow rig, foul hooked
1614	9/15/2006	B8	*Lutjanus campechanus*	378	1	
1615	9/15/2006	B8	*Lutjanus campechanus*	403	1	SE
1616	9/15/2006	B8	*Lutjanus campechanus*	324	1	
1617	9/15/2006	B8	*Lutjanus campechanus*	330	1	
1618	9/15/2006	B8	*Lutjanus campechanus*	397	1	
1619	9/15/2006	C32	*Lutjanus campechanus*	394	1	
1620	9/15/2006	C32	*Lutjanus campechanus*	356	1	
1621	9/15/2006	C32	*Lutjanus campechanus*	362	1	
1622	9/15/2006	C32	*Lutjanus campechanus*	400	1	
1623	9/15/2006	C32	*Lutjanus campechanus*	356	1	
1624	9/15/2006	C32	*Lutjanus campechanus*	375	1	
1625	9/15/2006	C32	*Lutjanus campechanus*	432	1	Bleeding from gills
1626	9/15/2006	C32	*Lutjanus campechanus*	451	1	
1627	9/15/2006	C32	*Lutjanus campechanus*	327	1	Bleeding from gills
1628	9/15/2006	C32	*Lutjanus campechanus*	403	1	Caught on sow rig
1629	9/15/2006	C32	*Lutjanus campechanus*	368	1	
1630	9/15/2006	C32	*Lutjanus campechanus*	330	3	
1631	9/15/2006	C32	*Lutjanus campechanus*	362	1	
1632	9/15/2006	C32	*Lutjanus campechanus*	406	1	
1633	9/15/2006	C32	*Lutjanus campechanus*	292	2	Caught on sow rig

Table A7. Tagging data continued.

Tag No.	Date	Site	Species	Length	Release Condition	Comments
1634	9/15/2006	C32	*Lutjanus campechanus*	327	2	
1635	9/15/2006	C32	*Lutjanus campechanus*	318	1	
1636	9/15/2006	C32	*Lutjanus campechanus*	273	1	SE
1637	9/15/2006	C32	*Lutjanus campechanus*	435	1	Bleeding from gills
1638	9/15/2006	C32	*Lutjanus campechanus*	279	1	
1639	9/15/2006	C32	*Lutjanus campechanus*	403	1	
1640	9/15/2006	C32	*Lutjanus campechanus*	375	1	
1641	9/15/2006	C32	*Lutjanus campechanus*	311	1	
1642	9/15/2006	C32	*Lutjanus campechanus*	305	1	SE
1643	9/15/2006	C32	*Lutjanus campechanus*	337	1	
1644	9/15/2006	C32	*Lutjanus campechanus*	302	1	
1645	9/15/2006	C32	*Lutjanus campechanus*	400	1	
1646	9/15/2006	C32	*Lutjanus campechanus*	451	1	
1647	9/15/2006	C32	*Lutjanus campechanus*	286	1	
1648	9/15/2006	C32	*Lutjanus campechanus*	311	1	SE
1649	9/15/2006	C32	*Lutjanus campechanus*	413	3	Caught on sow rig
1650	9/15/2006	C32	*Lutjanus campechanus*	308	1	
1651	9/15/2006	C32	*Lutjanus campechanus*	333	1	SE
1652	9/15/2006	C32	*Lutjanus campechanus*	378	1	
1653	9/15/2006	C32	*Rhomboplites aurorubens*	295	1	
1654	9/15/2006	C32	*Lutjanus campechanus*	378	1	SE
1655	9/15/2006	C32	*Lutjanus campechanus*	387	1	Caught on sow rig
1656	9/15/2006	C32	*Lutjanus campechanus*	391	1	
1657	9/15/2006	C32	*Lutjanus campechanus*	378	1	
1658	9/15/2006	C32	*Lutjanus campechanus*	302	1	
1659	9/15/2006	C32	*Lutjanus campechanus*	324	2	
1660	9/15/2006	C32	*Lutjanus campechanus*	416	1	
1661	9/15/2006	C32	*Lutjanus campechanus*	349	1	
1662	9/15/2006	C32	*Lutjanus campechanus*	403	1	
1663	9/15/2006	C32	*Lutjanus campechanus*	318	1	
1664	9/15/2006	C32	*Lutjanus campechanus*	276	1	

Table A7. Tagging data continued.

Tag No.	Date	Site	Species	Length	Release Condition	Comments
1665	9/15/2006	C32	*Lutjanus campechanus*	286	1	
1666	9/15/2006	C32	*Lutjanus campechanus*	273	1	
1667	9/15/2006	C32	*Lutjanus campechanus*	435	1	Caught on sow rig
1668	9/15/2006	C32	*Lutjanus campechanus*	298	1	
1669	9/15/2006	C32	*Lutjanus campechanus*	400	1	
1670	9/15/2006	C21	*Lutjanus campechanus*	305	3	Caught on sow rig
1671	9/15/2006	C21	*Lutjanus campechanus*	330	1	
1672	9/15/2006	C21	*Lutjanus campechanus*	400	1	
1673	9/15/2006	C21	*Lutjanus campechanus*	387	1	
1674	9/15/2006	C21	*Lutjanus campechanus*	318	1	
1675	9/15/2006	C21	*Lutjanus campechanus*	438	1	SE
1676	9/15/2006	C21	*Lutjanus campechanus*	318	1	
1677	9/15/2006	C21	*Lutjanus campechanus*	324	1	
1678	9/15/2006	C21	*Lutjanus campechanus*	432	1	
1679	9/15/2006	C21	*Lutjanus campechanus*	454	1	
1680	9/15/2006	C21	*Lutjanus campechanus*	330	1	
1681	9/15/2006	C21	*Lutjanus campechanus*	387	1	Caught on sow rig
1682	9/15/2006	C21	*Lutjanus campechanus*	346	1	Bleeding from Gills
1683	9/15/2006	C21	*Lutjanus campechanus*	311	1	
1684	9/15/2006	C21	*Lutjanus campechanus*	311	1	
1685	9/15/2006	C21	*Lutjanus campechanus*	311	1	Caught on sow rig
1686	9/15/2006	C21	*Lutjanus campechanus*	311	2	
1687	9/15/2006	C21	*Lutjanus campechanus*	368	1	
1688	9/15/2006	C21	*Lutjanus campechanus*	308	1	
1689	9/15/2006	C21	*Lutjanus campechanus*	318	1	
1690	9/15/2006	C21	*Lutjanus campechanus*	298	1	SE
1691	9/15/2006	C21	*Lutjanus campechanus*	292	1	Caught on sow rig
1692	9/15/2006	C21	*Lutjanus campechanus*	406	1	
1693	9/15/2006	C21	*Lutjanus campechanus*	327	1	
1694	9/15/2006	C21	*Lutjanus campechanus*	359	1	
1695	9/15/2006	C21	*Lutjanus campechanus*	333	1	

Table A7. Tagging data continued.

Tag No.	Date	Site	Species	Length	Release Condition	Comments
1696	9/15/2006	C21	*Lutjanus campechanus*	340	1	
1697	9/15/2006	C21	*Lutjanus campechanus*	292	3	BE
1698	9/15/2006	C21	*Balistes capriscus*	254	1	
1699	9/15/2006	C21	*Lutjanus campechanus*	302	1	SE
1700	9/15/2006	C21	*Lutjanus campechanus*	311	1	
1701	9/15/2006	C21	*Balistes capriscus*	298	1	
1702	9/15/2006	C21	*Lutjanus campechanus*	321	3	
1703	9/15/2006	C21	*Pagrus pagrus*	273	2	
1704	9/15/2006	C21	*Pagrus pagrus*	257	1	
1705	9/15/2006	C21	*Lutjanus campechanus*	371	1	
1706	9/15/2006	C21	*Pagrus pagrus*	254	1	
1707	9/15/2006	C21	*Lutjanus campechanus*	298	1	
1708	9/15/2006	C21	*Lutjanus campechanus*	327	1	
1709	9/15/2006	C21	*Lutjanus campechanus*	308	1	
1710	9/15/2006	C21	*Lutjanus campechanus*	362	1	Caught on sow rig
1711	9/15/2006	C21	*Seriola dumerili*	416	1	
1712	9/15/2006	B9	*Lutjanus campechanus*	429	3	
1713	9/15/2006	B9	*Lutjanus campechanus*	384	1	Caught on sow rig
1714	9/15/2006	B9	*Lutjanus campechanus*	371	1	Bleeding from gills
1715	9/15/2006	B9	*Pagrus pagrus*	419	1	Caught on sow rig BO
1716	9/15/2006	B9	*Balistes capriscus*	378	1	
1717	9/15/2006	B9	*Lutjanus campechanus*	441	1	
1718	9/15/2006	B9	*Balistes capriscus*	365	1	
1719	9/15/2006	B9	*Balistes capriscus*	349	1	
1720	9/15/2006	B9	*Balistes capriscus*	295	1	
1721	9/15/2006	B9	*Lutjanus campechanus*	394	1	
1722	9/15/2006	B9	*Lutjanus campechanus*	378	1	
1723	9/15/2006	B9	*Balistes capriscus*	375	1	
1724	9/15/2006	B9	*Lutjanus campechanus*	400	4	SE
1725	9/15/2006	B9	*Lutjanus campechanus*	368	1	Caught on sow rig
1726	9/15/2006	B9	*Balistes capriscus*	387	1	

Table A7. Tagging data continued.

Tag No.	Date	Site	Species	Length	Release Condition	Comments
1727	9/15/2006	B9	*Lutjanus campechanus*	371	4	
1728	9/15/2006	B9	*Balistes capriscus*	324	1	
1729	9/15/2006	B9	*Balistes capriscus*	324	1	
1730	9/15/2006	B9	*Lutjanus campechanus*	381	1	
1731	9/15/2006	B9	*Balistes capriscus*	321	1	
1732	9/15/2006	B9	*Lutjanus campechanus*	486	1	
1733	9/15/2006	B9	*Lutjanus campechanus*	400	1	
1734	9/15/2006	B9	*Balistes capriscus*	283	1	BO
1735	9/15/2006	B9	*Balistes capriscus*	368	1	Caught on sow rig
1736	9/15/2006	B9	*Balistes capriscus*	311	1	
1737	9/15/2006	B9	*Lutjanus campechanus*	368	3	Swallowed hook
1738	9/15/2006	B9	*Lutjanus campechanus*	346	2	Swallowed hook
1739	9/15/2006	B9	*Mycteroperca phenax*	464	1	Caught on sow rig
1740	9/15/2006	B9	*Lutjanus campechanus*	391	1	
1741	9/15/2006	B9	*Lutjanus campechanus*	476	1	
1742	9/15/2006	B9	*Lutjanus campechanus*	413	1	
1743	9/15/2006	B9	*Balistes capriscus*	318	1	
1744	9/15/2006	B9	*Lutjanus campechanus*	413	1	
1745	9/15/2006	B9	*Lutjanus campechanus*	394	1	
1746	9/15/2006	B9	*Lutjanus campechanus*	441	1	
1747	9/15/2006	B9	*Balistes capriscus*	368	1	
1748	9/15/2006	B9	*Balistes capriscus*	337	1	
1749	9/15/2006	B9	*Lutjanus campechanus*	387	4	
1750	9/15/2006	C15	*Lutjanus campechanus*	327	1	
1751	9/15/2006	C15	*Lutjanus campechanus*	337	1	SE
1752	9/15/2006	C15	*Lutjanus campechanus*	346	1	
1753	9/15/2006	C15	*Lutjanus campechanus*	340	1	
1754	9/15/2006	C15	*Lutjanus campechanus*	365	3	
1755	9/15/2006	C15	*Lutjanus campechanus*	343	1	
1756	9/15/2006	C15	*Lutjanus campechanus*	324	1	
1757	9/15/2006	C15	*Lutjanus campechanus*	346	1	

Table A7. Tagging data continued.

Tag No.	Date	Site	Species	Length	Release Condition	Comments
1758	9/15/2006	C15	*Balistes capriscus*	302	1	BO
1759	9/15/2006	C15	*Lutjanus campechanus*	349	1	
1760	9/15/2006	C15	*Lutjanus campechanus*	359	1	
1761	9/15/2006	C15	*Lutjanus campechanus*	330	1	
1762	9/15/2006	C15	*Lutjanus campechanus*	346	1	
1763	9/15/2006	C15	*Lutjanus campechanus*	349	1	
1764	9/15/2006	C15	*Lutjanus campechanus*	368	3	
1765	9/15/2006	C15	*Lutjanus campechanus*	349	1	
1766	9/15/2006	C15	*Lutjanus campechanus*	343	1	
1767	9/15/2006	C15	*Lutjanus campechanus*	343	3	
1768	9/15/2006	C15	*Lutjanus campechanus*	311	1	
1769	9/15/2006	C15	*Lutjanus campechanus*	330	3	
1770	9/15/2006	C15	*Lutjanus campechanus*	340	1	
1771	9/15/2006	C15	*Lutjanus campechanus*	311	3	
1772	9/15/2006	C15	*Lutjanus campechanus*	302	1	
1773	9/15/2006	C15	*Lutjanus campechanus*	321	1	
1774	9/15/2006	C15	*Lutjanus campechanus*	343	1	
1775	9/15/2006	C15	*Lutjanus campechanus*	340	1	
1776	9/15/2006	C15	*Lutjanus campechanus*	352	1	
1777	9/15/2006	C15	*Lutjanus campechanus*	349	1	
1778	9/15/2006	C15	*Lutjanus campechanus*	321	1	
1779	9/15/2006	C15	*Lutjanus campechanus*	318	1	
1780	9/15/2006	C15	*Lutjanus campechanus*	356	1	
1781	9/15/2006	C15	*Lutjanus campechanus*	365	1	
1782	9/15/2006	C15	*Lutjanus campechanus*	337	1	
1783	9/15/2006	C15	*Lutjanus campechanus*	324	2	
1784	9/15/2006	C15	*Lutjanus campechanus*	340	1	
1785	9/15/2006	C15	*Lutjanus campechanus*	311	1	SE
1786	9/15/2006	C15	*Lutjanus campechanus*	340	1	
1787	9/15/2006	C15	*Lutjanus campechanus*	337	1	
1788	9/15/2006	C15	*Lutjanus campechanus*	318	1	

Table A7. Tagging data continued.

Tag No.	Date	Site	Species	Length	Release Condition	Comments
1789	9/15/2006	C15	*Lutjanus campechanus*	343	1	
1790	9/15/2006	C15	*Lutjanus campechanus*	337	1	
1791	9/15/2006	C15	*Lutjanus campechanus*	324	1	
1792	9/15/2006	C15	*Lutjanus campechanus*	333	1	
1793	9/15/2006	C15	*Lutjanus campechanus*	311	1	
1794	9/15/2006	C15	*Lutjanus campechanus*	298	1	SE
1795	9/15/2006	C15	*Lutjanus campechanus*	352	1	SE
1796	9/15/2006	C15	*Lutjanus campechanus*	311	1	
1797	9/15/2006	C15	*Lutjanus campechanus*	311	1	
1798	9/15/2006	C15	*Lutjanus campechanus*	298	1	
1799	9/15/2006	C15	*Lutjanus campechanus*	302	1	
1800	9/15/2006	C15	*Lutjanus campechanus*	314	1	
1801	9/15/2006	C15	*Rhomboplites aurorubens*	324	1	
1802	9/15/2006	A19	*Lutjanus campechanus*	400	1	SE
1803	9/15/2006	A19	*Lutjanus campechanus*	368	1	
1804	9/15/2006	A19	*Lutjanus campechanus*	286	1	SE
1805	9/15/2006	A19	*Lutjanus campechanus*	267	1	
1806	9/15/2006	A19	*Lutjanus campechanus*	384	1	SE
1807	9/15/2006	A19	*Lutjanus campechanus*	305	1	SE
1808	9/15/2006	A19	*Lutjanus campechanus*	394	1	
1809	9/15/2006	A19	*Seriola rivoliana*	368	1	
1810	9/15/2006	A19	*Lutjanus campechanus*	394	1	
1811	9/15/2006	A19	*Lutjanus campechanus*	330	1	
1812	9/15/2006	A19	*Lutjanus campechanus*	298	1	BE
1813	9/15/2006	A19	*Lutjanus campechanus*	311	1	
1814	9/15/2006	A19	*Lutjanus campechanus*	305	1	
1815	9/15/2006	A19	*Pagrus pagrus*	318	1	SE
1816	9/15/2006	A19	*Lutjanus campechanus*	273	1	SE
1817	9/15/2006	A19	*Lutjanus campechanus*	308	1	
1818	9/15/2006	A19	*Lutjanus campechanus*	457	1	
1819	9/15/2006	A19	*Lutjanus campechanus*	314	1	

Table A7. Tagging data continued.

Tag No.	Date	Site	Species	Length	Release Condition	Comments
1822	9/15/2006	A19	*Lutjanus campechanus*	305	1	
1823	9/15/2006	A19	*Lutjanus campechanus*	352	1	
1824	9/15/2006	A19	*Lutjanus campechanus*	318	1	
1825	9/15/2006	A19	*Lutjanus campechanus*	273	1	
1826	9/15/2006	A19	*Lutjanus campechanus*	286	1	
1827	9/15/2006	A19	*Lutjanus campechanus*	346	1	
1828	9/15/2006	A19	*Lutjanus campechanus*	298	1	
1829	9/15/2006	A19	*Lutjanus campechanus*	314	1	
1830	9/15/2006	A19	*Lutjanus campechanus*	286	1	
1831	9/15/2006	A19	*Lutjanus campechanus*	298	1	SE
1832	9/15/2006	A19	*Lutjanus campechanus*	286	1	
1833	9/15/2006	A19	*Lutjanus campechanus*	298	1	SE
1834	9/15/2006	A19	*Lutjanus campechanus*	292	1	
1835	9/15/2006	A19	*Pagrus pagrus*	273	1	
1836	9/15/2006	A20	*Lutjanus campechanus*	311	1	
1837	9/15/2006	A20	*Seriola dumerili*	394	1	
1838	9/15/2006	A20	*Lutjanus campechanus*	314	1	
1840	9/15/2006	A20	*Lutjanus campechanus*	318	1	
1841	9/15/2006	A20	*Rhomboplites aurorubens*	327	1	
1842	9/15/2006	A20	*Lutjanus campechanus*	540	1	Caught on sow rig
1843	9/15/2006	A20	*Lutjanus campechanus*	311	1	SE
1844	9/15/2006	A20	*Lutjanus campechanus*	302	1	
1845	9/15/2006	A20	*Lutjanus campechanus*	333	1	
1846	9/15/2006	A20	*Lutjanus campechanus*	394	1	
1847	9/15/2006	A20	*Lutjanus campechanus*	308	1	
1848	9/15/2006	A20	*Lutjanus campechanus*	308	1	
1849	9/15/2006	A20	*Rhomboplites aurorubens*	337	1	
1850	9/15/2006	A20	*Lutjanus campechanus*	302	4	SE
1851	9/15/2006	A20	*Lutjanus campechanus*	356	4	
1852	9/15/2006	A20	*Lutjanus campechanus*	368	1	
1853	9/15/2006	A20	*Rhomboplites aurorubens*	273	1	

Table A7. Tagging data continued.

Tag No.	Date	Site	Species	Length	Release Condition	Comments
1854	9/15/2006	A20	*Rhomboplites aurorubens*	311	1	
1855	9/15/2006	A20	*Lutjanus campechanus*	362	1	
1856	9/15/2006	A20	*Lutjanus campechanus*	346	1	
1857	9/15/2006	A20	*Lutjanus campechanus*	318	1	SE
1858	9/15/2006	A20	*Lutjanus campechanus*	302	1	
1859	9/15/2006	A20	*Lutjanus campechanus*	330	1	
1860	9/15/2006	A20	*Lutjanus campechanus*	330	1	
1861	9/15/2006	A20	*Lutjanus campechanus*	302	1	
1862	9/15/2006	A20	*Lutjanus campechanus*	362	1	
1863	9/15/2006	A20	*Lutjanus campechanus*	283	1	
1864	9/15/2006	A20	*Lutjanus campechanus*	308	1	
1865	9/15/2006	A20	*Lutjanus campechanus*	318	2	
1866	9/15/2006	A20	*Lutjanus campechanus*	292	1	SE
1867	9/15/2006	A20	*Lutjanus campechanus*	318	4	
1868	9/15/2006	A20	*Lutjanus campechanus*	346	1	
1869	9/15/2006	A20	*Rhomboplites aurorubens*	298	1	
1870	9/15/2006	A20	*Lutjanus campechanus*	295	1	
1871	9/15/2006	A20	*Lutjanus campechanus*	318	1	
1872	9/15/2006	A20	*Lutjanus campechanus*	279	1	
1873	9/15/2006	A20	*Lutjanus campechanus*	292	1	
1874	9/15/2006	A20	*Rhomboplites aurorubens*	318	1	
1875	9/15/2006	A20	*Pagrus pagrus*	267	1	
1876	9/15/2006	A20	*Lutjanus campechanus*	429	1	
1877	9/15/2006	A20	*Lutjanus campechanus*	343	1	SE
1878	9/15/2006	A20	*Lutjanus campechanus*	324	1	SE
1879	9/15/2006	A20	*Lutjanus campechanus*	292	4	
1880	9/15/2006	A20	*Lutjanus campechanus*	333	4	
1881	9/15/2006	A20	*Lutjanus campechanus*	308	4	
1882	9/15/2006	B2	*Balistes capriscus*	349	1	
1883	9/15/2006	B2	*Balistes capriscus*	337	1	
1884	9/15/2006	B2	*Balistes capriscus*	330	1	

Table A7. Tagging data continued.

Tag No.	Date	Site	Species	Length	Release Condition	Comments
1885	9/15/2006	B2	*Balistes capriscus*	384	1	
1886	9/15/2006	B2	*Balistes capriscus*	311	1	
1887	9/15/2006	B2	*Balistes capriscus*	321	1	
1888	9/15/2006	B2	*Lutjanus campechanus*	311	4	
1889	9/15/2006	B2	*Lutjanus campechanus*	318	1	
1890	9/15/2006	B2	*Balistes capriscus*	318	1	Caught on sow rig
1891	9/15/2006	B2	*Lutjanus campechanus*	305	1	
1892	9/15/2006	B2	*Balistes capriscus*	349	1	
1893	9/15/2006	B2	*Lutjanus campechanus*	305	1	
1894	9/15/2006	B2	*Lutjanus campechanus*	327	1	
1895	9/15/2006	B2	*Balistes capriscus*	340	1	
1896	9/15/2006	B2	*Lutjanus campechanus*	273	1	
1897	9/15/2006	B2	*Balistes capriscus*	298	1	
1898	9/15/2006	B2	*Balistes capriscus*	352	1	
1899	9/15/2006	B2	*Balistes capriscus*	298	1	
1900	9/15/2006	B2	*Balistes capriscus*	365	1	
1901	9/15/2006	B2	*Lutjanus campechanus*	308	1	
1902	9/15/2006	B2	*Lutjanus campechanus*	308	1	
1903	9/15/2006	B2	*Lutjanus campechanus*	311	1	
1904	9/15/2006	B2	*Lutjanus campechanus*	298	1	
1905	9/15/2006	B2	*Lutjanus campechanus*	314	1	
1906	9/15/2006	B2	*Lutjanus campechanus*	298	1	
1907	9/15/2006	B2	*Lutjanus campechanus*	311	1	
1908	9/15/2006	B2	*Lutjanus campechanus*	318	1	
1909	9/15/2006	B2	*Lutjanus campechanus*	314	1	
1910	9/15/2006	B2	*Lutjanus campechanus*	324	1	
1911	9/15/2006	B2	*Lutjanus campechanus*	286	1	
1912	9/15/2006	B2	*Balistes capriscus*	330	1	
1913	9/15/2006	B2	*Lutjanus campechanus*	286	1	
1914	9/15/2006	B2	Lutj anus campechanus	305	1	
1915	9/15/2006	B2	*Lutjanus campechanus*	305	1	SE

Table A7. Tagging data continued.

Tag No.	Date	Site	Species	Length	Release Condition	Comments
1916	9/15/2006	B2	Lutj anus campechanus	308	1	SE
1917	9/15/2006	A12	*Lutjanus campechanus*	311	1	
1918	9/15/2006	A12	*Lutjanus campechanus*	305	1	
1919	9/15/2006	A12	*Lutjanus campechanus*	305	1	
1920	9/15/2006	A12	*Lutjanus campechanus*	330	4	
1921	9/15/2006	A12	*Lutjanus campechanus*	308	4	
1922	9/15/2006	A12	*Lutjanus campechanus*	314	3	
1923	9/15/2006	A12	*Lutjanus campechanus*	311	1	
1924	9/15/2006	A12	*Lutjanus campechanus*	311	1	
1925	9/15/2006	A12	*Lutjanus campechanus*	318	1	
1926	9/15/2006	A12	*Lutjanus campechanus*	276	1	
1927	9/15/2006	A12	*Lutjanus campechanus*	289	1	
1928	9/15/2006	A12	*Lutjanus campechanus*	311	1	
1929	9/15/2006	A12	*Lutjanus campechanus*	308	1	
1930	9/15/2006	A12	*Lutjanus campechanus*	321	3	
1931	9/15/2006	A12	*Lutjanus campechanus*	327	1	
1932	9/15/2006	A12	*Lutjanus campechanus*	283	1	
1933	9/15/2006	A12	*Lutjanus campechanus*	289	1	
1934	9/15/2006	A12	*Lutjanus campechanus*	298	1	
1935	9/15/2006	A12	*Lutjanus campechanus*	330	2	
1936	9/15/2006	A12	*Lutjanus campechanus*	318	1	
1937	9/15/2006	A12	*Lutjanus campechanus*	308	1	
1938	9/15/2006	A12	*Lutjanus campechanus*	295	1	
1939	9/15/2006	A12	*Lutjanus campechanus*	321	1	
1940	9/15/2006	A12	*Lutjanus campechanus*	305	1	
1941	9/15/2006	A12	*Lutjanus campechanus*	276	1	
1942	9/15/2006	A12	*Lutjanus campechanus*	308	1	
1943	9/15/2006	A12	*Lutjanus campechanus*	311	1	
1944	9/15/2006	A12	*Lutjanus campechanus*	267	3	
1945	9/15/2006	A12	*Lutjanus campechanus*	292	1	
1946	9/15/2006	A12	*Lutjanus campechanus*	289	1	

Table A7. Tagging data continued.

Tag No.	Date	Site	Species	Length	Release Condition	Comments
1947	9/15/2006	A12	*Lutjanus campechanus*	270	1	
1948	9/15/2006	A12	*Lutjanus campechanus*	305	1	
1949	9/15/2006	A12	*Lutjanus campechanus*	289	1	
1950	9/15/2006	A12	*Lutjanus campechanus*	283	2	
1951	9/15/2006	A12	*Lutjanus campechanus*	308	1	
1952	9/15/2006	A12	*Lutjanus campechanus*	298	1	
1953	9/15/2006	A12	*Lutjanus campechanus*	270	4	Bleeding from Gills
1954	9/15/2006	A12	*Lutjanus campechanus*	260	1	
1955	9/15/2006	A12	*Lutjanus campechanus*	302	1	
1956	9/15/2006	A12	*Lutjanus campechanus*	318	3	
1957	9/15/2006	A12	*Lutjanus campechanus*	286	1	
1958	9/15/2006	A12	*Lutjanus campechanus*	295	1	
1959	9/15/2006	A12	*Lutjanus campechanus*	298	1	
1960	9/15/2006	A12	*Lutjanus campechanus*	298	1	
1961	9/15/2006	A12	*Lutjanus campechanus*	318	2	
1962	9/15/2006	A12	*Lutjanus campechanus*	270	1	
1963	9/15/2006	A12	*Lutjanus campechanus*	298	1	
1964	9/15/2006	A12	*Lutjanus campechanus*	311	1	
1965	9/15/2006	A12	*Lutjanus campechanus*	298	2	
1966	9/15/2006	A12	*Lutjanus campechanus*	279	1	
1967	9/15/2006	A12	*Lutjanus campechanus*	295	1	
1968	9/15/2006	A12	*Lutjanus campechanus*	283	4	Bleeding from Gills
1969	9/15/2006	A12	*Lutjanus campechanus*	298	1	
1970	9/15/2006	A12	*Lutjanus campechanus*	321	1	
1971	9/15/2006	A12	*Lutjanus campechanus*	321	1	
1972	9/15/2006	A12	*Lutjanus campechanus*	289	1	
1973	9/15/2006	A12	*Lutjanus campechanus*	318	1	SE
1974	9/15/2006	A12	*Lutjanus campechanus*	283	1	

Table A8. Size and release condition data for fish caught over sampling reefs but not tagged during 2005-2006. Lengths are total lengths in mm except fork length is reported for *Balistes capriscus*. Under comments, SE = distended esophagus due to swim bladder expansion , BO = intestine protruding from anus, and BE= eyes bulging from pressure effects.

Date	Site	Species	Length	Release Condition	mComments
12/22/2005	C32	*Centropristis ocyurus*	250	1	Too small
12/22/2005	C32	*Centropristis ocyurus*	229	1	Too small
12/22/2005	C32	*Centropristis ocyurus*	245	2	Too small
12/22/2005	C32	*Centropristis ocyurus*	145	1	Too small
12/22/2005	B8	*Echeneis naucrates*	670	1	
12/22/2005	B8	*Echeneis naucrates*	700	1	
12/22/2005	A12	*Lutjanus campechanus*	246	1	Too small
12/22/2005	A12	*Lutjanus campechanus*	235	1	Too small
12/22/2005	A12	*Echeneis naucrates*	656	1	
12/22/2005	A12	*Lutjanus campechanus*	280	1	Too small
12/22/2005	B2	*Pagrus pagrus*	245	1	Too small
12/22/2005	B2	*Pagrus pagrus*	239	1	Too small
12/22/2005	B2	*Pagrus pagrus*	285	1	Too small
12/22/2005	B2	*Pagrus pagrus*	250	1	Too small
12/22/2005	B2	*Pagrus pagrus*	266	1	Too small
12/22/2005	B2	*Pagrus pagrus*	268	1	Too small
12/22/2005	B2	*Pagrus pagrus*	252	1	Too small
12/22/2005	B2	*Pagrus pagrus*	268	1	Too small
12/22/2005	B2	*Pagrus pagrus*	280	1	Too small
12/22/2005	B2	*Pagrus pagrus*	258	1	Too small
12/22/2005	B2	*Diplectrum formosum*	270	1	Too small
12/22/2005	C15	*Pagrus pagrus*	265	1	Too small
12/22/2005	C15	*Pagrus pagrus*	270	1	Too small
12/22/2005	C15	*Pagrus pagrus*	255	1	Too small
12/22/2005	C15	*Pagrus pagrus*	255	1	Too small
12/22/2005	C15	*Pagrus pagrus*	231	1	Too small
12/22/2005	C15	*Pagrus pagrus*	261	1	Too small
12/22/2005	C15	*Pagrus pagrus*	247	1	Too small
12/22/2005	C15	*Pagrus pagrus*	244	1	Too small
12/22/2005	C15	*Pagrus pagrus*	242	1	Too small
12/22/2005	C15	*Pagrus pagrus*	246	1	Too small
12/22/2005	C15	*Pagrus pagrus*	250	1	Too small
12/22/2005	C15	*Pagrus pagrus*	265	1	Too small
12/22/2005	C15	*Pagrus pagrus*	258	1	Too small
12/22/2005	C15	*Pagrus pagrus*	254	1	Too small
12/22/2005	C15	*Pagrus pagrus*	237	1	Too small
12/22/2005	C15	*Pagrus pagrus*	265	1	Too small
12/22/2005	C15	*Pagrus pagrus*	225	1	Too small
12/22/2005	C15	*Pagrus pagrus*	235	1	Too small
12/22/2005	C15	*Pagrus pagrus*	268	1	Too small
12/22/2005	C15	*Pagrus pagrus*	261	1	Too small
12/22/2005	C15	*Echeneis naucrates*	600	1	Too small
12/22/2005	C15	*Echeneis naucrates*	830	1	Too small

Table A8. continued.

Date	Site	Species	Length	Release Condition	mComments
12/22/2005	C15	*Pagrus pagrus*	231	1	Too small
12/22/2005	C15	*Pagrus pagrus*	255	1	Too small
12/22/2005	C21	*Lutjanus campechanus*	274	1	Too small
12/22/2005	C21	*Pagrus pagrus*	230	1	Too small
12/22/2005	C21	*Pagrus pagrus*	237	1	Too small
12/22/2005	C21	*Lutjanus campechanus*	273	1	Too small
12/22/2005	C21	*Pagrus pagrus*	250	1	Too small
12/22/2005	C21	*Lutjanus campechanus*	277	1	SE, too small
12/22/2005	C21	*Lutjanus campechanus*	283	1	Too small
12/22/2005	C21	*Lutjanus campechanus*	247	2	Too small
12/22/2005	C21	*Lutjanus campechanus*	278	1	SE, too small
12/22/2005	B9	*Lutjanus campechanus*	277	1	SE, too small
12/22/2005	B9	*Pagrus pagrus*	270	1	Too small
12/22/2005	B9	*Pagrus pagrus*	255	1	Too small
12/22/2005	B9	*Pagrus pagrus*	265	1	Too small
12/22/2005	B9	*Pagrus pagrus*	256	1	Too small
12/22/2005	B9	*Pagrus pagrus*	273	1	Too small
12/22/2005	B9	*Pagrus pagrus*	258	1	Too small
12/22/2005	B9	*Pagrus pagrus*	249	1	Too small
12/22/2005	B9	*Pagrus pagrus*	265	1	Too small
12/22/2005	B9	*Pagrus pagrus*	264	1	Too small
12/22/2005	B9	*Pagrus pagrus*	254	1	Too small
12/22/2005	B9	*Pagrus pagrus*	250	1	Too small
12/22/2005	B9	*Pagrus pagrus*	261	1	Too small
12/22/2005	B9	*Pagrus pagrus*	226	1	Too small
12/22/2005	B9	*Pagrus pagrus*	262	1	Too small
12/22/2005	B9	*Pagrus pagrus*	245	1	Too small
12/22/2005	B9	*Pagrus pagrus*	241	1	Too small
12/22/2005	B9	*Pagrus pagrus*	266	1	Too small
12/22/2005	A20	*Lutjanus campechanus*	301	3	Too small
12/22/2005	A20	*Pagrus pagrus*	264	1	Too small
12/22/2005	A20	*Pagrus pagrus*	273	1	Too small
12/22/2005	A20	*Pagrus pagrus*	239	1	Too small
12/22/2005	A20	*Pagrus pagrus*	249	1	Too small
12/22/2005	A20	*Pagrus pagrus*	274	1	Too small
12/22/2005	A20	*Pagrus pagrus*	239	1	Too small
12/22/2005	A20	*Pagrus pagrus*	249	1	Too small
12/22/2005	A20	*Pagrus pagrus*	265	1	Too small
12/22/2005	A20	*Pagrus pagrus*	266	1	Too small
12/22/2005	A19	*Diplectrum formosum*	240	1	Too small
12/22/2005	A19	*Centropristis ocyurus*	250	1	Too small
12/22/2005	A19	*Pagrus pagrus*	234	1	Too small
12/22/2005	A19	*Pagrus pagrus*	256	1	Too small
12/22/2005	A19	*Pagrus pagrus*	240	1	Too small
12/22/2005	A19	*Pagrus pagrus*	242	1	Too small
12/22/2005	A19	*Diplectrum formosum*	235	1	Too small

Table A8. continued.

Date	Site	Species	Length	Release Condition	Comments
12/22/2005	A19	*Pagrus pagrus*	240	1	Too small
12/22/2005	A19	*Pagrus pagrus*	250	1	Too small
12/22/2005	A19	*Pagrus pagrus*	245	1	Too small
12/22/2005	A19	*Pagrus pagrus*	260	1	Too small
12/22/2005	A19	*Pagrus pagrus*	256	1	Too small
12/22/2005	A19	*Diplectrum formosum*	265	1	Too small
12/22/2005	A19	*Synodus intermedius*	285	1	Too small
12/22/2005	A19	*Diplectrum formosum*	270	1	Too small
12/22/2005	A19	*Pagrus pagrus*	270	1	Too small
12/22/2005	A19	*Orthopristis chrysoptera*	217	1	Too small
12/22/2005	A19	*Lutjanus campechanus*	220	1	Too small
12/22/2005	A19	*Diplectrum formosum*	250	1	Too small
12/22/2005	A19	*Lagodon rhomboides*	225	1	Too small
4/5/2006	A19	*Haemulon aerolineatum*	203	1	Too small
4/5/2006	A19	*Centropristis ocyurus*	229	1	Too small
4/5/2006	A19	*Centropristis ocyurus*	210	1	Too small
4/5/2006	A19	*Centropristis ocyurus*	210	1	Too small
4/5/2006	A19	*Centropristis ocyurus*	232	1	Too small
4/5/2006	A19	*Centropristis ocyurus*	206	1	Too small
4/5/2006	A19	*Haemulon aerolineatum*	203	1	Too small
4/5/2006	A19	*Centropristis ocyurus*	251	1	Too small
4/5/2006	A19	*Haemulon aerolineatum*	238	1	Too small
4/5/2006	A19	*Haemulon aerolineatum*	213	1	Too small
4/5/2006	A19	*Lutjanus campechanus*	210	1	Too small
4/5/2006	A19	*Centropristis ocyurus*	222	1	Too small
4/5/2006	A19	*Centropristis ocyurus*	225	1	Too small
4/5/2006	A19	*Paralichthys albigutta*	260	1	Too small
4/5/2006	A19	*Centropristis ocyurus*	232	1	Too small
4/5/2006	B9	*Lutjanus campechanus*	314	4	Too small
4/5/2006	C21	*Pagrus pagrus*	229	1	Too small
4/5/2006	C32	*Centropristis ocyurus*	251	1	Too small
4/5/2006	C32	*Diplectrum formosum*	191	1	Too small
4/5/2006	C32	*Diplectrum formosum*	184	1	BO, too small
6/8/2006	B8	*Euthynnus alletteratus*	785	1	
6/8/2006	C21	*Rhomboplites aurorubens*	329		Foul hook
6/8/2006	C21	*Pagrus pagrus*	229	1	Too small
6/8/2006	C21	*Echeneis naucrates*	700	1	
6/8/2006	C21	*Lutjanus campechanus*	240	1	
6/8/2006	A20	*Pagrus pagrus*	240	1	
6/8/2006	A19	*Lutjanus campechanus*	220	1	SE, no tag
6/8/2006	A19	*Centropristis ocyurus*	240	1	Too small
6/8/2006	A19	*Lutjanus campechanus*	210	1	Too small
6/8/2006	A19	*Centropristis ocyurus*	244	1	Too small
6/8/2006	A19	*Balistes capriscus*	172	1	Too small
6/8/2006	A19	*Centropristis ocyurus*	245	1	Too small
6/8/2006	A19	*Centropristis ocyurus*	225	1	Too small

Table A8. continued.

Date	Site	Species	Length	Release Condition	mComments
6/8/2006	A19	*Centropristis ocyurus*	200	1	Too small
6/8/2006	A19	*Echeneis naucrates*	460	1	
6/8/2006	A19	*Lutjanus campechanus*	230	1	Too small
6/8/2006	A19	*Pagrus pagrus*	235	1	Too small
6/8/2006	A19	*Haemulon aurolineatum*	217	1	Too small
6/8/2006	A19	*Haemulon aurolineatum*	220	1	Too small
6/8/2006	A19	*Centropristis ocyurus*	230	1	Too small
6/8/2006	A19	*Centropristis ocyurus*	205	1	Too small
6/8/2006	A19	*Haemulon aurolineatum*	219	1	Too small
6/8/2006	A19	*Centropristis ocyurus*	235	1	Too small
6/8/2006	A19	*Centropristis ocyurus*	215	1	Too small
6/8/2006	A19	*Centropristis ocyurus*	240	1	Too small
6/8/2006	A19	*Centropristis ocyurus*	205	1	Too small
6/8/2006	A19	*Centropristis ocyurus*	190	1	Too small
6/8/2006	A19	*Centropristis ocyurus*	215	1	Too small
6/8/2006	A19	*Centropristis ocyurus*	205	1	Too small
6/8/2006	A19	*Centropristis ocyurus*	195	1	Too small
6/8/2006	A19	*Haemulon aurolineatum*	195	1	Too small
6/8/2006	A19	*Lutjanus campechanus*	225	1	Too small
6/8/2006	A19	*Lutjanus campechanus*	220	1	Too small
6/8/2006	A19	*Centropristis ocyurus*	245	1	Too small
6/8/2006	A19	*Centropristis ocyurus*	182	1	Too small
6/8/2006	A19	*Centropristis ocyurus*	202	1	Too small
6/8/2006	A19	*Haemulon aurolineatum*	228	1	Too small
6/8/2006	A19	*Centropristis ocyurus*	240	1	Too small
6/8/2006	A19	*Centropristis ocyurus*	180	1	Too small
6/8/2006	A19	*Haemulon aurolineatum*	204	1	Too small
6/8/2006	C32	*Lutjanus campechanus*	241	1	Too small
6/8/2006	C32	*Lutjanus campechanus*	248	1	Too small
6/8/2006	C32	*Lutjanus campechanus*	247	1	Too small
6/8/2006	C32	*Lutjanus campechanus*	242	1	Too small
6/8/2006	C32	*Lutjanus campechanus*	224	1	Too small
6/8/2006	C32	*Lutjanus campechanus*	235	1	BO, too small
6/8/2006	C32	*Lutjanus campechanus*	242	1	Too small
6/8/2006	C32	*Haemulon aurolineatum*	253	1	Too small
6/8/2006	C32	*Lutjanus campechanus*	249	1	Too small
6/8/2006	C32	*Lutjanus campechanus*	251	2	Too small
6/8/2006	C32	*Lutjanus campechanus*	242	1	Too small
6/8/2006	A12	*Lutjanus campechanus*	236	1	Too small
6/8/2006	A12	*Lutjanus campechanus*	222	1	Too small
6/8/2006	A12	*Lutjanus campechanus*	221	1	Too small
6/8/2006	A12	*Diplectrum formosum*	182	1	Too small
6/8/2006	A12	*Lutjanus campechanus*	245	1	Too small
6/8/2006	A19	*Centropristis ocyurus*	200	1	Too small
6/8/2006	A19	*Echeneis naucrates*	460	1	

Table A8. continued.

Date	Site	Species	Length	Release Condition	mComments
6/8/2006	A12	*Haemulon aurolineatum*	242	1	Too small
6/8/2006	A12	*Lutjanus campechanus*	238	1	Too small
6/8/2006	A12	*Lutjanus campechanus*	235	1	Too small
9/15/2006	C15	*Pagrus pagrus*	241	1	Too small
9/15/2006	A19	*Haemulon aurolineatum*	241	1	Too small
9/15/2006	A19	*Centropristis ocyurus*	260	1	Too small
9/15/2006	A19	*Pagrus pagrus*	241	1	Too small
9/15/2006	A19	*Caranx crysos*	225	1	Too small
9/15/2006	A19	*Diplectrum formosum*	241	1	Too small
9/15/2006	A20	*Pagrus pagrus*	251	1	Too small
9/15/2006	B2	*Haemulon aurolineatum*	260	1	Too small
9/15/2006	B2	*Haemulon aurolineatum*	241	1	Too small
9/15/2006	A12	*Haemulon aurolineatum*	222	1	Too small
9/15/2006	A12	*Lutjanus campechanus*	248	1	Too small
9/15/2006	A12	*Lutjanus campechanus*	251	1	Too small

Table A9. Tagged fish recaptured on tagging trips. Date and site of tagging and recapture are provided, as is release condition at tagging. See text for release condition descriptions. Lngths are total lengths in mm at the time of tagging and recapture; fork length is reported for *Balistes capriscus*.

Tag No.	Species	Tag Date	Recap Date	Days Free	Length at Tagging	Length at Recapture	Release Condition	Recapture Site	Condition at Tagging
6	*Balistes capriscus*	3/26/05	6/9/05	75	314	333	B2	B2	1
7	*Balistes capriscus*	3/26/05	6/9/05	75	341	360	B2	B2	1
8	*Lutjanus campechanus*	3/26/05	6/9/05	75	405	420	B2	B2	1
12	*Balistes capriscus*	3/26/05	6/9/05	75	332	349	B2	B2	1
13	*Balistes capriscus*	3/26/05	6/9/05	75	353	370	B2	B2	1
15	*Balistes capriscus*	3/26/05	6/9/05	75	350	374	B2	B2	1
17	*Lutjanus campechanus*	3/26/05	6/9/05	75	382	408	B2	B2	1
43	*Epinephelus morio*	3/26/05	6/9/05	75	474	485	B2	B2	1
49	*Balistes capriscus*	3/26/05	6/9/05	75	395	385	C15	C15	1
82	*Lutjanus campechanus*	3/26/05	6/9/05	75	386	387	C15	C15	1
90	*Mycteroperca microlepis*	3/26/05	6/9/05	75	481	485	C15	C15	1
121	*Rhomboplites aurorubens*	3/26/05	6/9/05	75	324	333	A20	A20	1
134	*Lutjanus campechanus*	3/26/05	6/9/05	75	367	376	B9	B9	1
138	*Balistes capriscus*	3/26/05	6/9/05	75	327	333	B9	B9	1
159	*Balistes capriscus*	3/26/05	9/15/06	538	287	349	B9	B9	1
172	*Lutjanus campechanus*	3/26/05	6/9/05	75	343	357	B9	B9	1
176	*Lutjanus campechanus*	3/26/05	6/9/05	75	381	402	B9	B9	2
187	*Balistes capriscus*	3/26/05	6/9/05	75	302	315	C21	C21	1
188	*Lutjanus campechanus*	3/26/05	9/27/05	185	322	391	C21	C21	1
214	*Epinephelus morio*	3/26/05	6/9/05	75	458	457	C21	C21	1
281	*Epinephelus morio*	3/26/05	6/9/05	75	561	571	C32	C32	1
285	*Epinephelus morio*	3/26/05	6/9/05	75	545	545	C32	C32	1
304	*Mycteroperca microlepis*	3/26/05	6/9/05	75	520	518	C32	C32	1
324	*Lutjanus campechanus*	3/26/05	9/27/05	185	411	468	B8	B8	1
350	*Lutjanus campechanus*	3/26/05	6/9/05	75	358	388	A12	A12	1

Tag No.	Species	Tag Date	Recap Date	Days Free	Length at Tagging	Length at Recapture	Release Condition	Recapture Site	Condition at Tagging
351	*Lutjanus campechanus*	3/26/05	6/9/05	75	360	380	A12	A12	1
353	*Lutjanus campechanus*	3/26/05	6/9/05	75	508	522	A12	A12	1
355	*Lutjanus campechanus*	3/26/05	6/9/05	75	362	374	A12	A12	1
490	*Mycteroperca microlepis*	6/9/05	9/27/05	110	353	500	C15	C15	1
554	*Lutjanus campechanus*	6/9/05	9/27/05	110	395	417	B9	B9	1
800	*Mycteroperca microlepis*	9/27/05	9/15/06	353	459	597	C15	C15	1
802	*Lutjanus campechanus*	9/27/05	4/5/06	190	310	346	C15	C15	1
809	*Lutjanus campechanus*	9/27/05	4/5/06	190	315	356	C15	C15	1
886	*Lutjanus campechanus*	9/27/05	9/15/06	353	399	476	A20	A20	1
893	*Lutjanus campechanus*	9/27/05	4/5/06	190	392	413	A20	A20	1
905	*Lutjanus campechanus*	9/27/05	12/22/05	86	355	365	A20	A20	2
905*	*Lutjanus campechanus*	9/27/06	6/8/06	254	355	378	A20	A20	2
914	*Mycteroperca microlepis*	9/27/05	6/8/06	254	506	621	A20	A20	1
923	*Balistes capriscus*	9/27/05	6/8/06	254	310	365	B2	B2	1
942	*Lutjanus campechanus*	9/27/05	6/8/06	254	286	351	B2	B2	1
958	*Lutjanus campechanus*	9/27/05	4/5/06	190	357	387	B2	B2	1
1055	*Lutjanus campechanus*	12/22/05	4/5/06	104	396	413	B2	B2	1
1064	*Balistes capriscus*	12/22/05	6/8/06	168	340	358	B2	B2	1
1077	*Lutjanus campechanus*	12/22/05	6/8/06	168	308	342	C15	C15	1
1164	*Lutjanus campechanus*	12/22/05	6/8/06	168	329	372	A20	A20	1
1182	*Lutjanus campechanus*	12/22/05	4/5/06	104	333	381	A20	A20	1
1197	*Balistes capriscus*	4/5/06	6/8/06	64	352	365	B2	B2	1
1204	*Lutjanus campechanus*	4/5/06	6/8/06	64	368	380	B2	B2	1
1300	*Lutjanus campechanus*	4/5/06	9/15/06	163	302	362	C21	C21	1
1374	*Lutjanus campechanus*	6/8/06	9/15/06	99	392	422	B8	B8	1
1460	*Balistes capriscus*	6/8/06	9/15/06	99	304	311	B9	B9	1

*Denotes second recapture of individual fish.

Table A125. continued.

Table A10. Recaptured tagged fish reported by fishers through September 2006. Date and site of tagging and recapture are provided, as is release condition at tagging. See text for release condition descriptions. Tag lengths are total lengths in mm at the time of tagging; fork length is reported for *Balistes capriscus*. Recapture lengths are reported total lengths. Recapture locations were provided by fishers.

Fisher	Species	Tag No.	Tag Site	Rel. Cond.	Tag Len	Recap Len	Tag Date	Recap Date	Days Free	Recapture Location
Dennis Miller	*Pagrus pagrus*	53	C15	1	310		3/26/05	4/4/05	9	Loran TDs: 13288.8, 47024.1
Dennis Miller	*Pagrus pagrus*	93	C15	1	312		3/26/05	4/4/05	9	Loran TDs: 13288.8, 47024.1
Dennis Miller	*Pagrus pagrus*	64	C15	3	326		3/26/05	4/4/05	9	Loran TDs: 13288.8, 47024.1
Dennis Miller	*Pagrus pagrus*	46	C15	3	309		3/26/05	4/4/05	9	Loran TDs: 13288.8, 47024.1
Dennis Miller	*Pagrus pagrus*	94	C15	1	395		3/26/05	4/4/05	9	Loran TDs: 13288.8, 47024.1
Dennis Miller	*Mycteroperca microlepis*	48	C15	1	451		3/26/05	4/4/05	9	Loran TDs: 13288.8, 47024.1
Dennis Miller	*Mycteroperca microlepis*	72	C15	1	573	546	3/26/05	4/4/05	9	Loran TDs: 13288.8, 47024.1
Dennis Miller	*Mycteroperca microlepis*	57	C15	1	430	432	3/26/05	4/4/05	9	Loran TDs: 13288.8, 47024.1
Dennis Miller	*Mycteroperca microlepis*	62	C15	1	444	406	3/26/05	4/4/05	9	Loran TDs: 13288.8, 47024.1
Dennis Miller	*Pagrus pagrus*	104	C15	1	292		3/26/05	4/4/05	10	Loran TDs: 13288.8, 47024.1
Dennis Miller	*Pagrus pagrus*	86	C15	1	336		3/26/05	4/4/05	10	Loran TDs: 13288.8, 47024.1
Richard Rayburn	*Lutjanus campechanus*	143	B9	1	424	446	3/26/05	5/7/05	42	Public tanker 17mi. off Pensacola Beach
Scott Robson	*Mycteroperca microlepis*	67	C15	1	564	558	3/26/05	5/22/05	57	Off Pensacola on a reef he found
Tony Aguavo	*Lutjanus campechanus*	238	A34	1	387		3/26/05	6/3/05	69	10 mi. south of Pensacola
Richard Schreiner	*Mycteroperca microlepis*	170	B9	2	816	775	3/26/05	6/12/05	78	GPS: N30 00.594 W87 07.775
Walter Mathews	*Mycteroperca microlepis*	174	B9	1	668		3/26/05	6/16/05	82	GPS: N30 00.594 W87 07.775
Kerri Hughes	*Lutjanus campechanus*	234	A34	2	426		3/26/05	7/3/05	99	35 mi. SW of Destin
Daniel Malone	*Lutjanus campechanus*	236	A34	2	425		3/26/05	7/7/05	103	20 mi. south of Pensacola Beach
Will Gunion	*Mycteroperca phenax*	402	B8	1	445	457	6/9/05	7/26/05	47	25 mi. out of Perdido Pass
Tim Stewart	*Lutjanus campechanus*	524	B2	1	478		6/9/05	8/8/05	60	20 mi. SW Pensacola Pass, private reef

Fisher	Species	Tag No.	Tag Site	Rel. Cond.	Tag Len	Recap Len	Tag Date	Recap Date	Days Free	Recapture Location
Tim Stewart	*Lutjanus campechanus*	505	B2	1	462		6/9/05	8/8/05	60	20 mi. SW Pensacola Pass, private reef
Tim Stewart	*Lutjanus campechanus*	514	B2	1	371		6/9/05	8/10/05	62	20 mi. SW Pensacola Pass, private reef
Tim Stewart	*Lutjanus campechanus*	503	B2	1	418		6/9/05	8/10/05	62	20 mi. SW Pensacola Pass, private reef
Tim Stewart	*Lutjanus campechanus*	10	B2	1	340		3/26/05	8/10/05	62	20 mi. SW Pensacola Pass, private reef
Ryan May	*Pagrus pagrus*	38	B2	2	312		3/26/05	8/15/05	67	10 mi. south of Perdido Pass
Teresa Hodge	*Lutjanus campechanus*	150	B9	1	421		3/26/05	8/15/05	142	South of Pensacola
Robert Key	*Lutjanus campechanus*	192	C21	1	405		3/26/05	9/6/05	88	GPS: N30 08.210 W87 14.210
B.J. Burkett	*Lutjanus campechanus*	426	C21	1	372	406	6/9/05	9/5/05	95	Loran TDs: 14035, 46098
Quinton Young	*Balistes capriscus*	411	B8	3	330	356	6/9/05	9/12/05	168	GPS: N30 03.467 W87 11.458
Richard Marshall	*Balistes capriscus*	112	A20	1	352	406	3/26/05	9/10/05	173	GPS: N29 58.500 W87 12.400
Thomas L. Hinote	*Lutjanus campechanus*	207	C21	1	373		3/26/05	9/15/05	176	GPS: N30 21.00 W86 26.17
Joan Head	*Lutjanus campechanus*	335	B8	1	360		3/26/05	9/18/05	113	20 mi. off Pensacola Beach
Steve Whiting	*Balistes capriscus*	391	B8	3	376		6/9/05	9/27/05	188	About 17 mi. south of Pensacola
Bill Coursen	*Balistes capriscus*	7	B2	1	341	450	3/26/05	9/30/05	198	GPS: N30 07.0 W87 02.0
Clint Rutherford	*Balistes capriscus*	206	C21	1	332		3/26/05	10/10/05	198	Loran TDs: 13248.2, 47007.2
Leonard Anderson	*Mycteroperca phenax*	308	C32	1	340	406	3/26/05	10/10/05	124	GPS: N30 08.221 W87 14.218
Tim O'Brien	*Lutjanus campechanus*	545	B9	1	411	406	6/9/05	10/11/05	199	GPS: N30 00.594 W87 07.775
Jamey Reynolds	*Mycteroperca phenax*	293	C32	1	420	446	3/26/05	10/11/05	204	GPS: N29 55.4 W87 28.4
Earle Rader	*Balistes capriscus*	44	B2	1	345	381	3/26/05	10/16/05	209	GPS: N30 05 W87 10
Eric Hayes	*Mycteroperca microlepis*	19	B2	1	492		3/26/05	10/21/05	216	25 mi. S of Pensacola
Paul Krause	*Balistes capriscus*	348	B8	1	390		3/26/05	10/28/05	164	Loran TDs: 13306.8 47102.8
B.J. Burkett	*Lutjanus campechanus*	426	C21	1	372	406	6/9/05	9/5/05	88	GPS: N28 3 8.000 W84 53.500

Table A10. continued.

Fisher	Species	Tag No.	Tag Site	Rel Cond	Tag Len	Recap Len	Tag Date	Recap Date	Days Free	Recapture Location
Quinton Young	*Balistes capriscus*	411	B8	3	330	356	6/9/05	9/12/05	95	GPS: N30 03.467 W87 11.458
Richard Marshall	*Balistes capriscus*	112	A20	1	352	406	3/26/05	9/10/05	168	GPS: N29 58.500 W87 12.400
Thomas L. Hinote	*Lutjanus campechanus*	207	C21	1	373		3/26/05	9/15/05	173	GPS: N30 21.00 W86 26.17
Joan Head	*Lutjanus campechanus*	335	B8	1	360		3/26/05	9/18/05	176	20 mi. off Pensacola Beach
Steve Whiting	*Balistes capriscus*	391	B8	3	376		6/9/05	9/30/05	113	About 17 mi. south of Pensacola
Bill Coursen	*Balistes capriscus*	7	B2	1	341	451	3/26/05	9/30/05	188	GPS: N30 07.0 W87 02.0
Clint Rutherford	*Balistes capriscus*	206	C21	1	332		3/26/05	10/10/05	198	GPS: N29 58.369 W87 12.603
Leonard Anderson	*Mycteroperca phenax*	308	C32	1	340	406	3/26/05	10/10/05	198	GPS: N30 08.221 W87 14.218
Tim O'Brien	*Lutjanus campechanus*	545	B9	1	411	406	6/9/05	10/11/05	124	GPS: N30 00.594 W87 07.775
Jamey Reynolds	*Mycteroperca phenax*	293	C32	1	420	445	3/26/05	10/11/05	199	GPS: N29 55.4 W87 28.4
Earle Rader	*Balistes capriscus*	44	B2	1	345	381	3/26/05	10/16/05	204	GPS: N30 05. W87 10.
Eric Hayles	*Mycteroperca microlepis*	19	B2	1	492	559	3/26/05	10/21/05	209	25 mi. south of Pensacola Beach
Paul Krause	*Balistes capriscus*	348	B8	1	390		3/26/05	10/28/05	216	GPS: N30 15.000 W87 09.000
Robert Phelps	*Lutjanus campechanus*	144	B9	1	375	457	3/26/05	11/4/05	223	35 mi. SE of Destin, FL
Gordon Lough	*Epinephelus morio*	290	C32	1	500	610	3/26/05	11/4/05	223	GPS: N30 06.100 W87 01 .000
Jay Johnson	*Balistes capriscus*	15	B2	1	347	457	3/26/05	11/30/05	249	23 mi. south of Pensacola Beach
Jeanne Zessomnes	*Balistes capriscus*	344	B8	1	521		3/26/05	12/23/05	272	GPS: N29 51.20 W87 24.90
Blair Connell	*Lutjanus campechanus*	338	B8	1	476		3/26/05	3/5/06	344	Fish market in Panama City
Donald Dineen	*Mycteroperca microlepis*	615	A12	1	488	597	6/9/05	3/5/06	269	40 mi. SW of Destin on live bottom
Donald Dineen	*Mycteroperca microlepis*	83	C15	1	470	635	3/26/05	4/3/06	373	30 mi. SW of Destin, live bottom
Donald Dineen	*Lutjanus campechanus*	404	B8	1	480	660	6/9/05	4/3/06	298	30 mi. SW of Destin
Jack Lutheran	*Rhomboplites aurorubens*	486	C15	1	322	356	6/9/05	4/18/06	313	GPS: N30 00.473 W87 07.840

Table A10. continued.

Fisher	Species	Tag No.	Tag Site	Rel. Cond.	Tag Len	Recap Len	Tag Date	Recap Date	Days Free	Recapture Location
Leonard Simmons	*Lutjanus campechanus*	625	A12	1	328	356	9/27/05	4/19/06	204	GPS: N30 20.387 W86 32.43 1
Trey Windes	*Lutjanus campechanus*	275	C21	1	340	419	3/26/05	4/20/06	390	GPS: N30 14' W86 09'
Richard Gill	*Lutjanus campechanus*	473	C21	1	320	445	6/9/05	4/22/06	317	17 mi. south of Panama City
Thomas Sturgus	*Lutjanus campechanus*	460	C21	1	404		6/9/05	4/24/06	319	GPS: N30 00.594 W87 07.775
Dean Cox	*Lutjanus campechanus*	137	B9	1	419		3/26/05	4/26/06	396	GPS: N30 08.200 W87 14.200
Tim Sirois	*Lutjanus campechanus*	1275	B9	1	359		4/5/06	4/26/06	21	GPS: N30 00.594 W87 07.775
Terence Mumby	*Lutjanus campechanus*	35	B2	1	368	413	3/26/05	5/2/06	402	GPS: N29 59.121 W87 05.141
John Sullivan	*Lutjanus campechanus*	333	B8	2	275	445	3/26/05	5/4/06	404	GPS: N30 08.420 W87 11.030
Jeff Wright	*Lutjanus campechanus*	418	B8	1	458	559	6/9/05	5/4/06	329	38 mi. South of San Destin
Doug Franklin	*Lutjanus campechanus*	271	A34	1	318		3/26/05	5/8/06	408	21 mi. SE of Pensacola Pass
James Flowers	*Lutjanus campechanus*	39	B2	1	404		3/26/05	5/8/06	408	25 mi. south of Pensacola Beach
Paul Brostrom	*Lutjanus campechanus*	1023	B8	1	380	356	12/22/05	5/8/06	137	GPS: N30 09.881 W86 55.12
James Flowers	*Lutjanus campechanus*	58	C15	1	355		3/26/05	5/10/06	410	25 mi. south of Pensacola Beach
Kellan Lewis	*Lutjanus campechanus*	1277	B9	1	457	432	4/5/06	5/12/06	37	18 mi. SE of Pensacola Pass
Robert Curtis	*Lutjanus campechanus*	352	A12	1	332	457	3/26/05	5/13/06	413	GPS: N30 05.267 W87 09.550
Cathy Lowery	*Lutjanus campechanus*	328	B8	1	394	457	3/26/05	5/13/06	413	GPS: N30 05.986 W87 07.950
Jim Ropes	*Lutjanus campechanus*	265	A34	1	324	445	3/26/05	5/13/06	413	GPS: N30 08.18 W86 29.04
Richard Auchird	*Lutjanus campechanus*	398	B8	1	577		6/9/05	5/22/06	347	25 mi. south of Pensacola
Richard Auchird	*Lutjanus campechanus*	549	B9	1	330		6/9/05	5/23/06	348	25 mi. south of Pensacola, barge
Andy Lawrence	*Mycteroperca microlepis*	918	A20	1	515	597	9/27/05	5/24/06	239	GPS: N29 59.733 W87 05.111
Marilyn Marano	*Lutjanus campechanus*	370	A12	1	348	394	3/26/05	5/29/06	429	GPS: N30 05.290 W87 09.555
Chad Sharp	*Lutjanus campechanus*	239	A34	2	336	356	3/26/05	6/6/06	437	14 mi. S/SE of Pensacola Pass

Table A10. continued.

Fisher	Species	Tag No.	Tag Site	Rel. Cond.	Tag Len	Recap Len	Tag Date	Recap Date	Days Free	Recapture Location
Bill Ryerson	*Lutjanus campechanus*	507	B2	1	452	457	6/9/05	6/14/06	370	GPS: N30 00.473 W87 07. 840
Charles Hissins	*Lutjanus campechanus*	1278	B9	1	572		4/5/06	6/18/06	74	16 mi. SE of Pensacola Pass
Kyle Pruczinski	*Lutjanus campechanus*	1067	B2	1	376	406	12/22/05	6/16/06	176	GPS: N30 01.974 W87 11.496, released
William Carpenter	*Lutjanus campechanus*	1161	A20	1	400	406	12/22/05	6/8/06	168	GPS: N30 05.523 W87 11.497
John Babb	*Lutjanus campechanus*	262	A34	2	305	432	3/26/05	6/27/06	458	GPS: N30 01' W87 01'
Milton Flade	*Lutjanus campechanus*	922	B2	1	415	483	9/27/05	6/25/06	271	Army Tank, no info
Bill Fontenot	*Lutjanus campechanus*	784	B9	1	389	457	9/27/05	6/15/06	261	35 mi. SE of Pensacola Pass
Tracy Notson	*Lutjanus campechanus*	1020	B8	1	367		12/22/05	7/11/06	201	On a charter doesn't know
Eric Knudsen	*Lutjanus campechanus*	1018	B8	1	400	381	12/22/05	7/11/06	201	GPS: N30 05.312 W87 09.623
Brian Batte	*Epinephelus morio*	1400	C21	1	518	546	6/8/06	7/11/06	33	GPS: N30 02.086 W87 07.467
David Gordon	*Lutjanus campechanus*	277	A34	1	307	559	3/26/05	7/11/06	472	22 mi. south of Destin
Gary Caperton	*Lutjanus synagris*	845	A19	1	468	381	9/27/05	6/29/06	275	GPS: N29 58.369 W87 12.603
Chuck Kimball	*Lutjanus campechanus*	464	C21	1	338	432	6/9/05	7/16/06	402	GPS: N30 03.408 W87 11.560
John Kennedy	*Lutjanus campechanus*	510	B2	1	422	457	6/9/05	7/16/06	402	15 mi. SSE of Pensacola Pass
Darryl Bond	*Balistes capriscus*	1538	B2	1	330	381	6/8/06	7/18/06	40	17 mi. SSE of Pensacola Pass
Mark Wiseman	*Lutjanus campechanus*	1365	B8	1	548	610	6/8/06	7/23/06	45	20 mi. SE of Pensacola Pass
Clay Foster	*Lutjanus campechanus*	866	A19	1	459	470	9/27/05	7/15/06	291	12 mi. S of Pensacola Pass
David Knapp	*Lutjanus campechanus*	322	B8	1	420	514	3/26/05	7/31/06	492	20 mi. S of Pensacola Pass
David Knapp	*Lutjanus campechanus*	316	B8	1	502	457	3/26/05	7/31/06	492	20 mi. S of Pensacola Pass
Brady Bowman	*Lutjanus campechanus*	248	A34	1	359	489	3/26/05	7/27/06	488	GPS: N30 03.0 W86 19.0
Eric Stone	*Lutjanus campechanus*	738	C21	1	388	451	9/27/05	8/10/06	317	21 mi. off Pensacola Pass
Chris Muldin	*Lutjanus campechanus*	1382	B8	1	505	457	6/8/06	8/13/06	66	15 mi. SE of Pensacola Pass

Table A10. continued.

Fisher	Species	Tag No.	Tag Site	Rel. Cond.	Tag Len	Recap Len	Tag Date	Recap Date	Days Free	Recapture Location
Eric Hayles	*Mycteroperca microlepis*	620	A12	1	435	559	6/9/05	8/15/06	432	20 mi. S of Pensacola Pass
Justin Bush	*Lutjanus campechanus*	500	B2	1	404	438	6/9/05	8/15/06	432	GPS: N30 16.222 W87 13.472
Justin Bush	*Lutjanus campechanus*	1262	A20	1	470	533	6/8/06	8/30/06	83	GPS: N30 12.791 W87 20.422
Justin Bush	*Lutjanus campechanus*	1557	B2	1	431	457	6/8/06	8/30/06	83	GPS: N30 12.123 W87 36.251
Dennis Smith	*Balistes capriscus*	992	B8	1	349	406	12/22/05	9/2/06	254	12 mi. SW of Pensacola Pass
Brian Vincent	*Lutjanus campechanus*	895	A20	2	391	533	9/27/05	9/11/06	349	GPS: N30 01.970 W87 11.495
Jared Gay	*Lutjanus campechanus*	1012	B8	1	416	438	12/22/05	9/2/06	254	13 mi. off of Perdido Key

REWARD

Please support reef fish research by reporting the capture of tagged fish.

Personnel from the Fisheries Lab at the University of West Florida, in conjunction with the Florida FWC*, are conducting a tagging study of adult reef fishes on artificial reefs in the north central Gulf of Mexico (www.UWFfishtag.org).

Please report capture of tagged fish to the UWF Fisheries Lab at 1-877-FishTag. Rewards are $10 per tag return, with a chance at a $500 cash prize drawn from all tag returners each year of the study.

***Funding for this study was generated by Florida saltwater**

fishing license revenues.