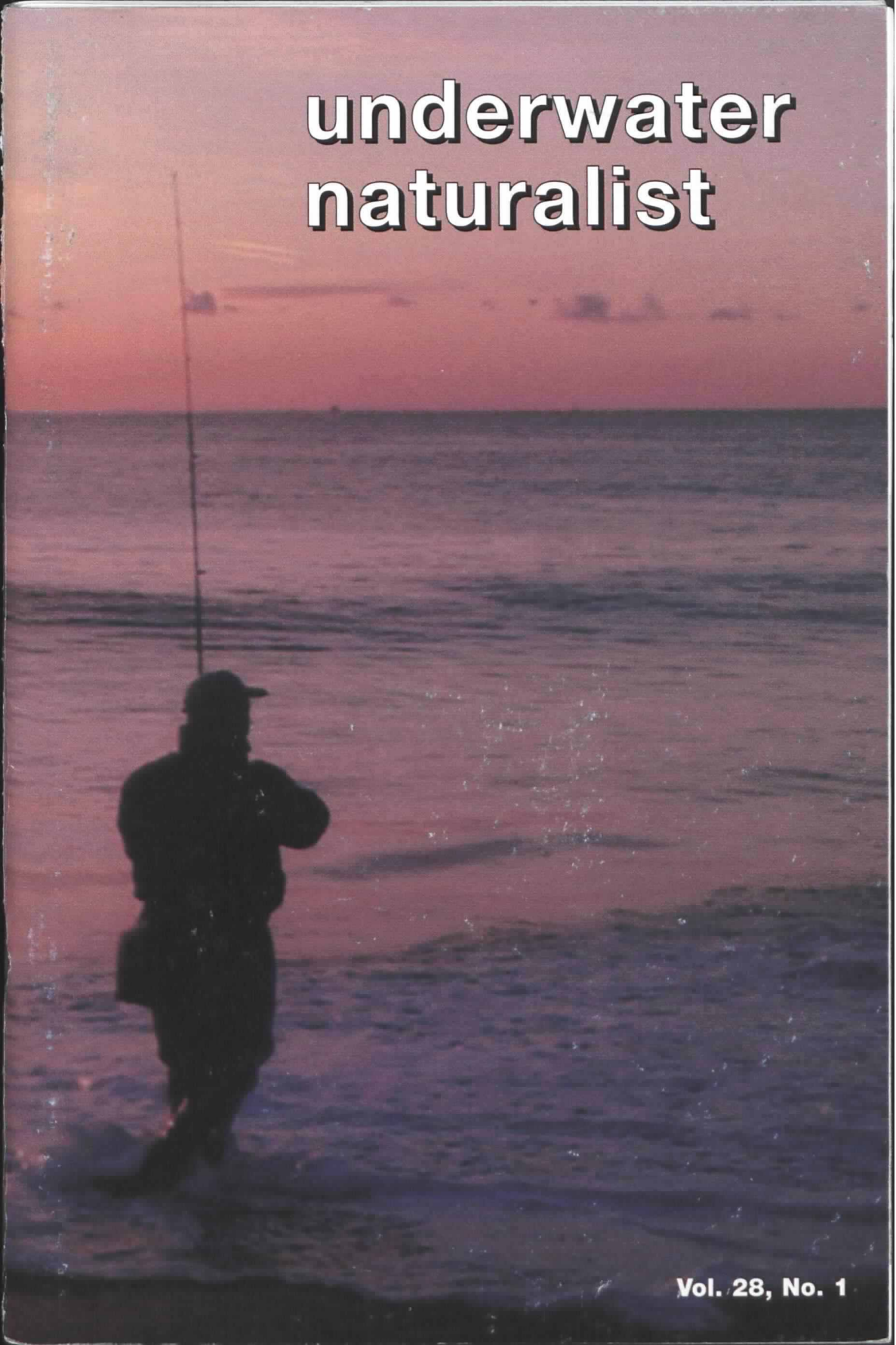


underwater naturalist

A person in silhouette is wading in shallow water at sunset. The person is holding a long, thin vertical pole that extends from the water to the top of the frame. The sky is a mix of orange and pink, and the water is dark with some ripples. The overall mood is serene and quiet.

Vol. 28, No. 1

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© Bill Dalton, Photographer

Photographer Bill Dalton caught this shot of Buddy, a Los Angeles rescued dog, as he dashed out of the surf. For more on swimming dogs, see page 48.

BULLETIN

OF THE AMERICAN LITTORAL SOCIETY



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Cover Photo: by Leon Tikuisis
Dawn is the very best time to fish the surf.

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ALASKA OIL; HUDSON RIVER PCBs

Ken Adams's article (Underwater Naturalist 27/4) points out even further that big corporations will go to any lengths to delay or avoid paying for their misdeeds, even after the courts have told them to do so. In Alaska's Prince William Sound, it's Exxon: they spill the oil and then stall paying the price. General Electric dumps PCBs in the Hudson River and then adopts delaying techniques to avoid the costs of cleanup. How refreshing it would be if these two giant enterprises stepped up to the plate and said, "It was our fault, we take responsibility, let's get a bunch of real pros together and fix it."

It's no wonder many of us question the ethics of big business.

Beverly Knight
Annapolis, MD

ICELAND BOUND

Caroline Carlson's Iceland photographs in Underwater Naturalist 27/4 are just wonderful. That settles it. We will no longer put off a trip up there. Thanks for the impetus.

Fred Nixon
Naples, FL

AN ICY FUTURE?

Your Cold Coasts issue (27/4) is a treasure; I read it from beginning to end in two sittings. It struck me that one of the reasons those coasts you covered are still relatively unspoiled is that they are far away, difficult to get to, and challenging to our physical abilities. But notice that wildlife seems to be getting along just fine. At least for now. Global warming should worry the penguins, seals, and polar bears. The trouble is they can't do anything about it.

Cliff List
Springfield, MA

LOOK AGAIN

Honestly, the black-and-white photos I submitted for "The Lunenburg Fish Project" (27/4) were sharp, had relatively good contrast, and included all the relevant details, like the halibut's tail and the pollock's snout and tail. Unfortunately, they looked a bit different in print. My apologies to Laura Fisher, who sculpted the fish, and to your readers.

Phyllis Marsteller
Rhinebeck, NY

Ed: For more pictures, go to Lunenburg Fish Project on Internet.

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ALS Fish Tagging Returns: Year 2005

Don't go fishing for tagged fluke on June 17; try instead for tagged striped bass. At least that proved true in 2005. On that date last year, just one fluke (a 19-inch tagged by a Littoral Society volunteer in Laurence Harbor, NJ, in July of 2002) was recaptured June 17, 2005, on Misquamicut Beach, RI.

On that same day, 10 tagged striped bass from Massachusetts, Connecticut, New York, and New Jersey were recaptured by anglers fishing the waters of Massachusetts, Rhode Island, Connecticut, New York, and Maryland. In fact, June was a banner month for striped bass recaptures: 201 fish from 10-38 inches in length.

Then there was December 25, 2005, a day when no tagged fish were turned in, meaning that either the weather was lousy or families were gathered for other activities — but fish were recaptured December 24 (in Secaucus, NJ) and December 26 (Cape Henry, VA).

In the following tables, these and other stories pop out. It could be worth a browse or two through the pages ahead to watch the fishes come and go, travel far and wide, or stay close to home. Each fish represents the effort of a Society volunteer member who buys ALS fish tags and uses them to mark fish for later recapture so that marine scientists can learn where fish are, where they go, how fast they grow, and how well their populations are doing. Anglers buy tagging kits for \$6.00 — that's 10 tags, a stainless steel tagging needle, tagging instructions and 10 cards to fill out with the fish's vitals and mail to Society headquarters.

Here's how the table is set up. Fish are sorted alphabetically by species and then by date of recapture. That's the right hand

column. You will notice some fish at the top of the list that were recaptured earlier than 2005. Those are from taggers who forgot to mail in their filled-out cards. (Excuses for tardiness are colorful: "...found this in the bottom of my tackle bag last winter" or "I wondered what was clogging the bilge pump.") The other columns are pretty much self-explanatory.

Of the 25,886 fish tagged by Society members in 2005, a total of 18,467 (70%) were striped bass, followed by 3,370 fluke, 1,282 bluefish, and 1,229 tautog (blackfish).

All these data are published annually in *Underwater Naturalist*, and all go into the computers at the National Marine Fisheries Service laboratory in Woods Hole, MA.

Some facts are immediately evident: charter boat Captain Al Anderson (RI), catches a lot of codfish (and hits the winter striped bass in the Thames River), head boat Captain Monty Hawkins (Ocean City, MD), specializes in tautog (blackfish) and black sea bass, Bill "bucktail willie" Shillingford (NJ) is a multi-species angler, and Glenn Blank, is the Society's only expert scup recapturer.

Note that three of the cod that Al Anderson tagged on Stellwagon Bank off the tip of Cape Cod were recaptured by observers from the National Marine Fisheries Service, which has been doing its own extensive cod studies in New England as it tries to get a handle on that depleted stock.

Under bluefish, the first on the list moved from Long Island, NY, in September to Oregon Inlet, NC, in May, and the next bluefish on the list from New York waters to Frisco, NC; that's bluefishes' typical fall migration south. A blue-

fish tagged in May at Ocean City, NJ, swam north to Montauk by August – that’s the north-in-summer move.

Fluke: Leaving aside the first fluke on the list, the first 24 were tagged nearshore off New Jersey and New York in summer and early fall, but recaptured offshore by commercial draggers in the colder months, November-April. This confirms the usual fluke movements – onshore and north in spring, offshore and south in winter. Contrast those fluke with an 11-inch-er tagged in Strathmere, NJ, July 5, 2006, and recaptured the next day – same place. Undersize and re-released.

Striped bass: Here’s a long-distance traveler, a 36-inch striped bass tagged and released on Cape Cod in July, 2004, and netted and re-released 150 miles southwest in Delaware Bay by NJ Division of Fish and Game in March 2005. (This is probably a ten-to-twelve-year-old female;

at about that size and above almost all stripers are female.) Fast Bass: from Sandy Hook NJ, April 30, 2005, to Salisbury, MA, in 42 days. Slow Bass: tagged and released in Rye, NH, September 1, 1997, it was recaptured 3009 days later in the Sea Bright, NJ, surf. It had grown from 22 to 37 inches. But, it didn’t actually take that long to swim those 250 miles. It might well have made eight round trips along the Atlantic coast and spawned a number of times in the Hudson River.

Conclusion: each line in this table tells a story and each fish was tagged and released to swim another day. Many of the taggers performed their piscatorial surgery on strong, slippery fish during stormy dawns, dusks, and nights, in roiling surf, with cold, wet hands. And paid for the privilege. Well done to all, and good fishing in 2007.

Tales Taggers Tell V

BY PAM CARLSEN

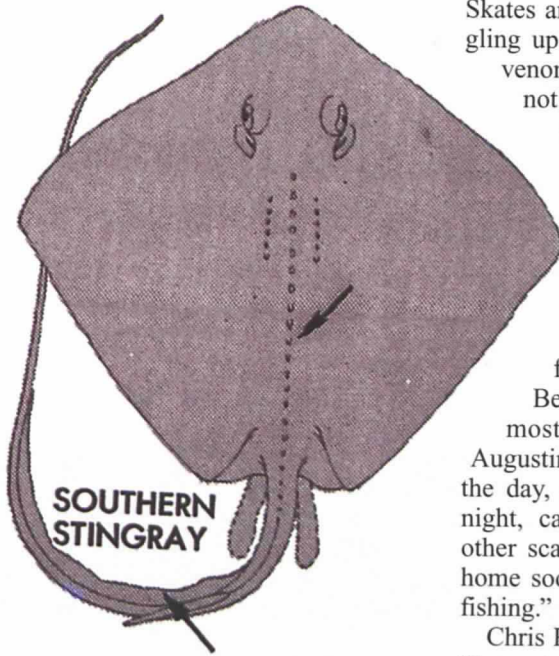
The death of Steve Irwin on the Great Barrier Reef in Australia, from a stingray’s barbed spine, reminded me of an encounter our own tagger, Tom Lake, had with a large southern stingray. I wrote to Lake in Wappingers Falls, NY, and he recounted his experience: “In the mid-1990s I was catching, tagging, and releasing sharks on the beach, in August at Chincoteague National Wildlife Refuge in Virginia. At one point, I caught a large southern stingray, maybe four feet across the back. It had swallowed the hook, so I carried it up on the sand to a wet blanket to remove the hook with pliers.

“On the way up the beach, it flipped its tail and the barbed spine went right through the back of my right hand. I yanked out the spine, dropped the ray to the sand, where it thrashed and spine went into my right ankle. It was not a big deal right away. I calmly took out the hook and stuffed the big ray into a large cooler I had on the beach. Then I stuck my surf rod into a sand spike and passed out.

“The paramedics arrived (my wife called) and they took me to a local clinic. I remember on the way, lying on the gurney, and one of the guys taking my blood pressure. It was 75 over 40. I was in

shock. The other one said, 'It goes any lower and we'll lose him.' As you can probably surmise, it did not go any lower, and they did not lose me. However, the pain was so excruciating that it is hard to describe. They gave me a double shot of Demerol. After about five hours of incredible pain and their observation, they let me go. The pain just went away.

"I went back to the beach, gathered up my stuff, and headed home. I did stop and



get a bag of ice to toss on the stingray. Once home, I froze the stingray to use for public and school programs in the fall. About 500-600 people came to 20 programs, so I got some mileage out of it.

"Later I looked up the venom of the southern stingray, and found, in a journal produced by the U.S. Navy, that it is among the world's most powerful (painful) toxins. I can attest to that.

"Where the story meets the one about Steve Irwin, is the news reports that stated no one in the U.S. had died from a stingray attack, at least not in recent records. Yet, when I was in the Virginia

medical center talking with a doctor, he told me that just a few weeks earlier, a fisherman had caught a southern stingray, was carrying it up the beach to show to his friends, the ray lashed out with its barb (they are like steak knives) and, like Steve Irwin, the spine pierced the guy's heart and he died. Somewhere that record got lost. My hand hurts just recalling the story."

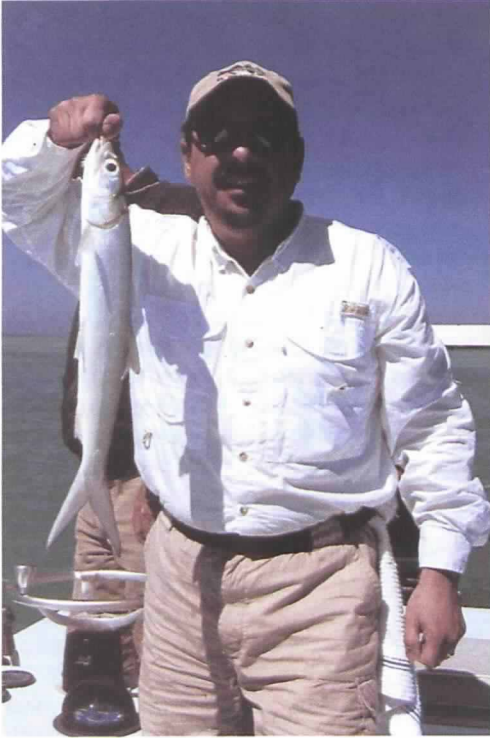
Most fishermen in northeast waters encounter skates rather than stingrays. Skates are a nuisance to catch, often tangling up in the line but do not have the venomous barb. Their tails are thick, not whip-like, and do not have a sting.

If you vacation outside of your regular fishing area, knowledge of local species can help in tagging identification and, in rare cases, for safety's sake.

Our taggers do travel and fish. Tony Evangelista, North Bergen, NJ, wrote: "I've spent most of the summer in St. Augustine, FL. I can't fish in the heat of the day, so I have been fishing a lot at night, catching all sorts of sharks and other scary monsters. I will be heading home soon for a few weeks of early fall fishing."

Chris Peszka, Cinnaminson, NJ, wrote: "I went of the Florida Keys with my brother for a week of fishing. We went flats fishing for barracuda, ladyfish and pompano. The ladyfish are great acrobatic jumpers! I didn't tag any of those. We also did several days of reef and offshore fishing, catching cero and king mackerel. We kept a few for dinner, cooked dockside in Key West, but didn't tag any ceros we released, since they are very slimy with razor sharp teeth. A dangerous combination. I managed to tag two yellowtail snappers on the reef, and released a 250 pound hammerhead shark which I didn't think wise to tag either!"

Jim Leather, Brick, NJ, wrote of his



Chris Peszka with Florida ladyfish before release.

wahoo fishing onboard a charter in Hawaii. I asked him if he got to eat any of this great fish and he wrote: "I did not get a chance to eat any of my wahoo, one, because the cruise ship authorities do not allow fish to be brought onboard, and secondly, Hawaii's fishing regulations provide that any fish caught on a charter fishing trip belong to the captain. They are licensed and authorized to sell the catch to supplement their income for the expense of running the boat. When I returned home, my son, who works at Harpoon Willy's restaurant, put wahoo on the menu. So I was able to get a good fish dinner."

Leather is vice president of the Ocean Grove Fishing Club, which runs a great youth program, teaching kids to fish. Every Tuesday morning, all summer, the club instructs young people on the basics of fishing from the Ocean Grove fishing pier. The public is invited to bring their children and Leather reported that they had a great summer session. Here is a picture of one such gathering.



The Club's Youth Program before a day of flying fish hooks.



Paul Grippo, left, showing AJ Coleman how to keep a fish tagging log book.

Teaching young people to fish can be done in groups or on a one to one basis. We received this letter from John Coleman, Bellmore, NY. "About a month ago, my good friend Paul Grippo, sent in for a membership and 30 tags, to use with my son AJ. The first day, Paul, my sons AJ and Mitch, and I had a banner day tagging and releasing nine stripers. The next evening, Paul came over to help AJ start a log book, so he could keep track of these fish. The dedication this man has put toward my two sons has been like having another father. His love for fishing and the commitment to tagging has had a dramatic effect on my boys giving them a different outlook on conservation and fishing. I've enclosed a photo, and p.s. Paul doesn't know I've sent you this."

Paul Grippo has been a tagger since the early 1970's. He has tagged countless fish and has 235 returns.

And from Geoff Loughery, Salford, PA, we received a note with the tag return of 659960, a 13" striped bass tagged by Bill Shillingford, 5/27/05 at Strathmere, NJ. He wrote: "This fish was caught in the Inland Waterway Channel, behind

Wildwood Crest, NJ. The angler was my 87 year old, mother-in-law, Louise Grasso, at a gnat infested sunset on 6/20/06. It was not measured, but estimated to be 16-17 inches. I returned it to the water."

Thanks to all, who teach or take others fishing, no matter what their age.

On 10/4/04, Bill Shillingford tagged a 9" black sea bass on the Intercoastal Waterway at Strathmere, NJ. This fish was recaptured 6/6/06 in 25' of water in Nantucket Sound, MA, at 12 1/2". This was an unusual migration, for our records, as most of our black sea bass go offshore in the winter and return to nearby inshore waters in early summer. A call to A.L.S. President and fisheries biologist, Frank Steimle produced this information. Fisheries scientists have been seeing black sea bass wintering over in the deep wrecks south of the Hudson Canyon "hanging out" with Atlantic cod. These sea bass can be caught up with a larger population and migrate northward, rather than moving back to their original tagging area.

Upon receipt of this return, Shillingford wrote: "The sea bass return was amazing.

I always wondered if tagging the sea bass in my area was worthwhile and with this return I guess I have an answer." Shillingford just had his 500th return in July...a fluke he had tagged in June. He recaptured his own.

Black sea bass was also the topic of an inquiry from Lou Bleiler, Kutztown, PA: "On 8/21/06, I had an interesting catch at the Sandy Hook Reef. It was a 14 1/2" sea bass with a pronounced hump on the head and bluish black in color, normal for a mature male or so I thought. Nope, when cleaning the fish I noticed that it had roe. I just found that to be intriguing. I am going to pay closer attention, now, to see how prevalent it is in this hermaphroditic species. Weather permitting, I'll let you know later." Once again, I turned to Frank Steimle, this time writing in NOAA Technical Bulletin, 9/99, on black sea bass. "Like most of the Serranidae, the black sea bass is a protogynous hermaphrodite; most fish mature as females and change to males with additional growth (Lavenda 1949). In the Middle Atlantic Bight, individuals begin to mature at age 1 (8-17 cm {3"-7"} TL) and 50% are mature at about 19 cm (9") TL and 2-3 years of age (O'Brien et al. 1993). The majority of fish in this size group are females (Mercer 1978). the average size transformation from female to male occurs at 23.9-33.7 cm TL (Chesapeake Bay Program 1996)." This translates to 9 1/2"-13 1/2", so Bleiler had an unusual sea bass.

Roe in a striped bass that Joe Casey, Newtown Square, PA, caught brought his inquiry: "I did manage to catch a nice 34", 15 lb. fish last Saturday morning, 7/8/06, at Spring Lake, NJ. It was a female with a full roe sack. Why wasn't she spawned out? I thought all striped bass spawn in the spring." I remembered that stripers can reabsorb their eggs, if they do not find ideal conditions in which to lay them, but there could be a variety of reasons. The fish could stay offshore and never return to its spawning estuary, or its

egg duct could be plugged. According to NOAA Technical Bulletin, 5/77, on Striped Bass, a female's number of eggs depends on her age, weight, and fork length. A 15 lb. female could carry as many as 100,000 eggs per pound.

Later in June in the same place, Casey tagged a 17" striped bass, noting in special comments: "Remarkably perfect little striper." Unfortunately, this fish met a quick end, when it was speared in Manasquan Inlet. The tag was returned by a NJDEP Conservation Officer who wrote: "Please find the enclosed tag removed from an undersized striped bass that was caught by means of a spear gun in Manasquan Inlet on 8/22/06. The individual was apprehended and issued a \$124.00 summons. He stated that he shot the fish just because it had a tag. The individual recorded the number and was going to contact you. If you need anymore information please feel free to call me." Tag or no tag it's not legal to spear an undersized fish.

Another small (18") striped bass met an unexpected but remarkable end as written up by tagger Edward Koeniger, Warwick, RI. "Sorry I couldn't tag this 18" striper, but the eagle wouldn't release him. The striper was taken on a chartreuse clouser and was grabbed by an eagle in the wash. It dined on it after the leader was cut. This took place at head of Meadow Beach, Cape Cod on 6/27/06."

We showed this picture to Scott Barnes, NJ Audubon field station, and learned that this eagle was immature, probably between the ages of two and four.

When a tagger recaptures his own fish, especially after a number of years, it is a source of personal amazement. Chris Bellinzoni, Baldwin, NY, tagged a 21 1/2" striped bass at Jones Inlet, NY on 5/10/02 and recaptured it in the same place 5/27/06 at 29". He sent along this picture and a note: "This shot came from the trip that caught our own tagged fish. The picture is of my son and me with four bass each 40 plus inches!"



Veteran saltwater fly fisherman Edward Koeniger, lands striped bass, rookie eagle lands on bass, eats bass and leaves. Fellow fisherman caught the action on Cape Cod, June 2006.

Mike Sullivan, Merrick, NY, wrote: "Two tags have special significance. The first was used to tag a pending women's world 2 lb. test line class striped bass record on 0/17/06. The fish weighed 17lb. 5 oz just shy of one pound heavier than the existing record of 16 lb. 6 oz. set on 7/21/99. The fish swam away in excellent condition. The second tag was used to re-tag a striper I originally tagged on 6/26/06, in probably the same spot (Sullivan fishes in Shinnecock Bay, NY). Chris Bellinzoni tells me that this happened to him this year as well."

Sometimes the tagger and the recapturer are the same in multiple cases. Frances Fiolek tagged two striped bass on 7/10/05 at Darien, CT. Both were returned by another tagger, Guy Wetmore at Norwalk, CT, one caught on 7/14/05 and the other 7/12/06. Howard Sweet fishing in the Warren River, RI, tagged a 15" striped bass on 8/02/98 and a 20" one on 5/11/02. Both of these fish were recaptured by Mike Deneneo fishing in the Palmer River, RI. The first was recaptured on 10/20/05 at 27" and the second caught on 5/15/06 at 26 1/2".



The Fishing Bellinzonis, father (left) and son, with four stripers, all 40 inches plus.

Using Tagging Data to Assess Fish Populations

BY GARY SHEPHERD

Tagged and recaptured fish provide valuable information to fishery scientists about seasonal distributions and migratory behavior. In addition, tag returns may provide a wealth of information about fishing and natural mortality and even population size. The first issue scientists need to consider is whether the tagged fish are part of a closed population or an open population. A closed population would be similar to fish in a pond where there is no way to enter or leave. In contrast, an open population has fish randomly moving between areas. Tags can provide useful information in both cases, but the approach would differ depending on the situation.

The rate at which a fish population is exploited is simply the proportion of fish removed from a population within a year. Knowing how many fish are removed is relatively easy; simply a matter of counting how many fish were caught (although it is never that simple). The number in the population is the difficult part. Tagging data can help determine the exploitation rate if we can assume the tagged fish are representative of the total population and the number of recovered tags is proportional to the total number caught. If this is the case, we have a simple ratio in the form:

$$\frac{\# \text{ tagged fish recovered}}{\# \text{ fish tagged}} = \frac{\text{Total} \# \text{ fish caught}}{\text{Total population size}}$$

The tag ratio becomes an approximation of the exploitation rate and if we know the total catch, we can also estimate the population size. Often we need additional information about tag recoveries such as how many recovered tags actually got reported, how many fell out before the fish were caught, how many fish were killed during

tagging, etc.

Another approach to estimating exploitation or fishing mortality rate uses the survival of the tags over the course of several years. Let's say a large group of tags were released at the beginning of 2004. The number of tags that were returned in 2004 would depend on the rate of recovery of those tags, designated as f , which is the frequency that fishermen encounter tags and the rate the recaptured tags are reported. The number of tags from the 2004 release group that were recovered the following year (2005) would also depend on the recovery rate, as well as how many tags survived through 2004, labeled S . The same situation applies for returns in 2006 which depend on the recovery rate for that year and survival of tags in 2004 and 2005. So year one tag returns are dependent on the rate of tag recovery (f) while the second year is dependent on both tag recovery and tag survival ($f * S$). Now if we released another batch of tags in 2005, the returns in that first year would again depend only on the recovery rate (f). Meanwhile, the 2004 releases caught in 2005 would be subjected to the 2005 recovery rate in addition to tag survival from 2004 to 2005. So now we have two pieces of information in 2005; a single estimate of recovery rate (f) and an estimate of recovery rate and survival (fS). The difference between these estimates from the two release groups provides a 2005 estimate of survival. If we have more seasons of releases, the information available for any year of recovery increases.

With an annual estimate of survival (S), the annual mortality rate (A) is the proportion that die rather than survive ($1-S = A$). That value can then be converted to F which is what is commonly referred to as fishing mortality. As with the first example, things are never as simple as they appear. These

Shepherd is a fisheries biologist, National Marine Fisheries Service, Woods Hole, MA.

types of models are called Brownie models, and were developed for use in game bird banding studies. In bird studies, the tags were recovered by hunters and since there is generally no shoot and release bird hunting, a removed tag equaled a dead bird. However, a tag in fish can be removed and the fish released alive, so there has to be adjustments made to account for the discrepancy between dead tags and dead fish, as well as tag losses and tag reporting rates. It is also worth noting that in the first

approach, a tag not reported implies that the fish survived. However in the second approach the opposite conclusion is reached since an unreported tag implies that the fish did not survive long enough to have the tag recovered.

There are many more ways to examine tag recapture information than described here, but in all cases the conclusions reached depend on proper execution of tag releases and reporting of recaptured tags.

Interview With a Tagged Bass

BY STEPHEN SAUTNER

The Scene: A comfortable looking sound stage with two leather chairs and some potted plants in the background - all of which are anchored to the bottom of a local estuary in about ten feet of water.

The host is Morone Sax -- a little known talk-show host who bares a striking resemblance to James Lipton, except he is garbed in full SCUBA gear. In his left hand, he holds a clipboard with a list of questions; in the other hand he clutches a trident.

A single underwater spotlight bathes the set in a warm glow that causes a nearby school of silversides to twinkle. A green crab hurries along the bottom beneath Mr. Sax's feet.

Sax (through bubbles): Today's guest goes by many names: some call him squidhound; others know him as linesider. He has appeared along countless beaches, and in tiderips and backbays from Nova Scotia to Florida; from the Golden Gate to British Columbia. Please welcome the striped bass...

Applause erupts among the shoals of gamefish that have gathered in the audience - bluefish, weakfish, and fluke, along with other stripers. A school of mossbunker boos loudly.

From stage right a 20-pound striper

swims onto the set, waves to the audience with both of its pectoral fins, then accepts a bouquet of kelp from an audience member. The bass swims to Mr. Sax and they embrace among flurries of bubbles. The striper then stations itself above the leather chair and hovers, looking comfortable.

Sax: Thank you for coming. I know you are in the middle of your spring migration.

Striped bass: It's nice to be here. I love the backbays in June.

Sax: First of all, I never knew that stripers could talk. Where did you learn to speak English?

Striped Bass (somewhat indignant): Well, Morone, we do swim in schools. Next question.

Sax (shifting uncomfortably in his chair): OK then. Well, how's this year's migration going, did you spawn successfully?

Striped Bass: Going great, going great. Lots of chow heading back into the estuaries. Rhode Island clamworms were excellent this year. I've torn into some nice bunker schools off Montauk. As for the spawn, I'm happy to say that it looks like I'm the proud father of 187,463 fry in the Rappahannock, though most have already been eaten by a school of bluefish.

Several bluefish in the audience erupt

into spontaneous applause, along with a series of "woo-woo-woo's." The striped bass glares, and they immediately stop.

Sax: Now, I notice a yellow plastic ring behind your dorsal fin. Are you engaged? Who's the lucky lady?

Striped bass: It's a tag, Morone. I've been tagged by a member of the American Littoral Society.

Sax: Sounds intriguing. Tell me more.

Striped bass: Well, I was feeding on an outgoing tide near the Verrazano Bridge last fall. What I thought was a bay anchovy turned out to be a fly tied by this guy named Dave Taft, an ALS member. Next thing I know, I'm laying on the shore for a few seconds while he measures me, then puts this yellow piece of plastic spaghetti behind my dorsal and lets me go.

Sax: Did it hurt?

Striped bass (laughing): Are you kidding? Ever eat a live lobster? Now that's pain. And, this morning, I had half a dozen sea robins for breakfast. Tasted like a cactus omelet.

Several stripers in the audience laugh knowingly; a lone sea robin faints.

Sax: What's that number on the tag?

Striped bass: It says 627,217. ALS members have tagged more than half a million fish since 1965. Mostly bass, but also blues, blackfish...I even see an audience member has a tag...

An unseen fluke yells from the audience: You got that right! Hi Mom!

Sax: So what if you're recaptured?

Striped bass: Well, a good friend of mine was tagged in Virginia Beach two years ago, and then caught again in Maine last summer. She keeps falling for the same yellow popper, but that's another story (*audience laughs*). Any-hoo, the guy who caught her measured her, then clipped the tag off and let her go.

Sax: Well I've done some research back on land and discovered that all of those measurements and locations are sent to ALS headquarters, then on to the National Marine Fisheries

Service Laboratory in Wood Hole as part of a long term study on fish migrations and growth rates. What do you think of that?

Striped bass: I know Woods Hole. I got into a delicious school of eels there...

Sax: You actually eat eels? I thought stripers hate eels and just kill them for fun. An old surfcaster told me that...

Striped bass (between spasms of laughter): Yeah now THAT makes sense! Did he also tell you we eat rocks for ballast during nor-easters! Surfcasters crack me up! Seriously though, ALS is all right by me; I know they stopped a development that would have filled in one of my favorite places to eat mullet...(now muttering to himself) I'm getting hungry just thinking about that one...

Sax: We have time for a question from the audience...yes, you in the back?

A calico crab takes a hand-held mike.

Calico: Last year, I believe it was during the August new moon, you ate 87 of my brothers and sisters, while we were molting. How can you sleep at night?

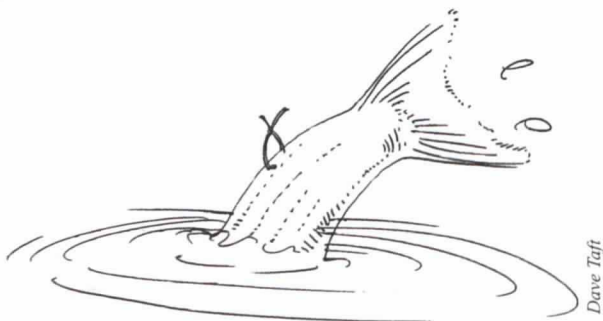
Striped bass: I do most of my best work at night. You look pretty tasty yourself.

The audience laughs uncomfortably...

Sax: Well I can see that the tide has nearly ebbed, so I'm afraid we're going to have to let our guest go. Mr. Bass thank you very much, and don't take any wooden bunker with treble hooks!!

The audience groans...

The striped bass embraces Mr. Sax, then swims to the audience where he signs a few autographs before eating the calico crab.





2005 Tagging Report

compiled by PAM CARLSEN

TAGGING RETURNS

Species	Length	Tagger	Place Tagged	Date	Recapturer	Location	Length	Date
Atlantic Cod								
19	A	Anderson	Offsh., Stellwagon Bk., MA	05/05/03	D Goetemann	20 mi. SE Gloucester, MA	27	08/25/04
21	A	Anderson	Offsh., Stellwagon Bk., MA	04/25/04	G DeCesare	Offsh., Stellwagon Bk., MA	24	01/08/05
21	A	Anderson	Offsh., Stellwagon Bk., MA	05/07/04	NMFS Observer	Offsh., Monnoy Is., MA	26	02/03/05
19	A	Anderson	Offsh., Stellwagon Bk., MA	05/05/03	F/V Jessica D	Offsh., Stellwagon Bk., MA	27	04/15/05
19	A	Anderson	Offsh., Stellwagon Bk., MA	05/05/03	L Duquette	Offsh., Stellwagon Bk., MA	30	04/23/05
21	A	Anderson	Provincetown, MA	05/15/05	A Anderson	Provincetown, MA	21	05/17/05
18	A	Anderson	Offsh., Stellwagon Bk., MA	04/30/05	F/V Lisa Ann II	Offsh., Stellwagon Bk., MA	19	06/08/05
19	A	Anderson	Offsh., Stellwagon Bk., MA	04/30/04	F/V Lisa Ann II	Offsh., Stellwagon Bk., MA	21	06/08/05
18	A	Anderson	Offsh., Stellwagon Bk., MA	05/07/04	F/V Lisa Ann II	Offsh., Stellwagon Bk., MA	20	06/10/05
17	A	Anderson	Offsh., Stellwagon Bk., MA	05/14/05	F/V Lisa Ann II	Offsh., Stellwagon Bk., MA	17	06/10/05
20	A	Anderson	Offsh., Stellwagon Bk., MA	04/18/05	L Ribas	Offsh., Stellwagon Bk., MA	21	06/13/05
19	M	Hawkins	18.5 mi. ESE Ocean City, MD	06/01/05	M Hawkins	19 mi. ESE Ocean City, MD	19	07/07/05
21	A	Anderson	Race Pt., MA	05/16/05	NMFS Observer	Offsh., Stellwagon Bk., MA	23	07/21/05
19	M	Hawkins	22 mi. NNE Ocean City, MD	06/18/05	M Hawkins	22 mi. E Ocean City, MD	21	08/16/05
19	A	Anderson	Offsh., Stellwagon Bk., MA	05/01/05	J Cifuni	Offsh., Jeffreys Ledge, MA	24	08/20/05
17	A	Anderson	Offsh., Stellwagon Bk., MA	05/07/04	F/V Sea Hound	Offsh., Chatham, MA	26	09/02/05
20	A	Anderson	Offsh., Stellwagon Bk., MA	05/04/03	J Driscoll	Offsh., Isle of Shoals, NH	09/14/05	
21	A	Anderson	Offsh., Stellwagon Bk., MA	05/09/04	NMFS Observer	Offsh., Stellwagon Bk., MA	26	09/19/05
18	A	Anderson	Offsh., Stellwagon Bk., MA	05/05/03	NMFS Observer	Isle of Shoals, NH	27	09/20/05
20	A	Anderson	Offsh., Stellwagon Bk., MA	05/14/04	T Bell	Offsh., Stellwagon Bk., MA	12/05/05	
23	C	Maxon	E of Stellwagon Bk., MA	08/27/03	NMFS Observer	Offsh., Stellwagon Bk., MA	33	12/18/05
21	A	Anderson	Offsh., Stellwagon Bk., MA	04/17/04	J Keving	8 mi. E Plymouth, MA	24	12/29/05
Atlantic Spadefish								
10	M	Hawkins	4 mi. SSE Ocean City, MD	07/18/05	M Jones	5 mi. SE Ocean City, MD	11	07/24/05
11	M	Hawkins	4 mi. SSE Ocean City, MD	07/18/05	M Jones	5 mi. SE Ocean City, MD	11	07/24/05
8	M	Hawkins	4 mi. SSE Ocean City, MD	07/18/05	T Tryon	Offsh., Ocean City, MD	08	08/02/05
12	M	Hawkins	4 mi. SSE Ocean City, MD	07/18/05	M Hawkins	3.5 mi. S Ocean City, MD	13	09/17/05
Black Sea Bass								
19	M	Hawkins	12 mi. SSE Ocean City, MD	07/23/04	P Karcewski	60 mi. E Assateague, VA	22	03/05/05
8	B	Shillingford	Strathmere, NJ	09/20/04	F/V Travis & Natalie	Offsh., Ocean City, NJ	09	03/21/05
16	M	Hawkins	14 mi. E Ocean City, MD	05/17/05	M Hawkins	14 mi. E Ocean City, MD	16	05/26/05
17	M	Hawkins	14 mi. E Ocean City, MD	06/02/05	G Lee	Indian R., DE		06/17/05
15	J	Banks	15 mi. SE Chincoteague, VA	06/08/05	J Dawson	22 mi. NE Chincoteague, VA	16	07/06/05
13	J	Banks	14 mi. SE Chincoteague, VA	05/28/05	J Dawson	22 mi. NE Chincoteague, VA	13	07/06/05
17	J	Banks	15 mi. SE Chincoteague, VA	06/05/05	J Dawson	22 mi. NE Chincoteague, VA	17	07/12/05
9	D	Crann	Garden State Reef, NJ	06/05/05	B Tomczyk	Garden State Reef, NJ	10	07/31/05
18	M	Hawkins	13 mi. SE Ocean City, MD	08/10/05	M Hawkins	13 mi. SE Ocean City, MD	18	08/25/05
21	M	Hawkins	13 mi. SE Ocean City, MD	08/10/05	M Hawkins	13 mi. SE Ocean City, MD	21	08/25/05
16	M	Hawkins	13 mi. SE Ocean City, MD	08/10/05	M Hawkins	13 mi. SE Ocean City, MD	16	08/30/05
11	C	Bradbury	Pt. Judith, RI	08/29/04	P D'Antoni	Montauk Lt., NY	12	08/30/05
10	D	Crann	Garden St. S. Reef, NJ	06/05/05	R Baud	Garden St. S Reef, NJ	10	09/01/05
11	J	Banks	14 mi. SE Chincoteague, VA	06/08/05	J Dawson	18 mi. SE Chincoteague, VA	11	09/02/05
13	J	Banks	14 mi. SE Chincoteague, VA	06/05/05	J Dawson	18 mi. SE Chincoteague, VA	15	09/02/05
17	M	Hawkins 2	3 mi. S Ocean City, MD	05/22/05	M Hawkins	22 mi. S Ocean City, MD	17	09/02/05
8	B	Shillingford	Strathmere, NJ	08/23/05	B Shillingford	Strathmere, NJ	08	09/05/05
9	B	Shillingford	Strathmere, NJ	08/22/05	B Shillingford	Strathmere, NJ	09	09/09/05
22	M	Hawkins	10 mi. E Ocean City, MD	06/07/04	V Tomblin	Offsh., African Queen Reef, MD	23	09/12/05
8	B	Shillingford	Strathmere, NJ	09/16/05	B Shillingford	Strathmere, NJ	08	09/17/05
9	B	Shillingford	Strathmere, NJ	09/12/05	B Shillingford	Strathmere, NJ	09	09/18/05

Species Length	Tagger	Place Tagged	Date	Recapturer	Location	Length	Date
9	B Shillingford	Strathmere, NJ	08/22/05	B Shillingford	Strathmere, NJ	09	09/18/05
7	B Shillingford	Strathmere, NJ	08/13/05	B Shillingford	Strathmere, NJ	07	09/19/05
9	B Shillingford	Strathmere, NJ	09/05/05	B Shillingford	Strathmere, NJ	09	09/20/05
8	B Shillingford	Strathmere, NJ	09/17/05	B Shillingford	Strathmere, NJ	08	09/20/05
17	M Hawkins	23 mi. S Ocean City, MD	06/09/05	M Hawkins	23 mi. S Ocean City, MD	17	09/23/05
16	M Hawkins	23 mi. S Ocean City, MD	06/09/05	M Hawkins	23 mi. S Ocean City, MD	16	09/23/05
8	B Shillingford	Strathmere, NJ	08/04/05	B Shillingford	Strathmere, NJ	08	09/26/05
8	B Shillingford	Strathmere, NJ	09/05/05	B Shillingford	Strathmere, NJ	09	10/10/05
10	B Shillingford	Strathmere, NJ	09/18/05	B Shillingford	Strathmere, NJ	10	10/11/05
11	M Hawkins	4 mi. S Ocean City, MD	08/12/04	M Hawkins	19 mi. ESE Ocean City, MD	13	12/11/05

Bluefish

25	E Mayer	Huntington, NY	09/10/04	R Moore	Off Oregon Inlet, NC	25	05/01/05
14	A Schweithelm	Eatons Neck, NY	09/01/04	D Calvanesa	Frisco, NC	15	05/02/05
25	A Anderson	Block Is., RI	07/17/04	L Grazioso	Raritan Bay, NJ		05/02/05
27	D Crann	Great Bay, NJ	05/03/05	F Verdi	Little Egg Hbr., NJ		05/08/05
23	S Tombs	Matunuck, RI	10/07/04	D Ochtera	East Rockaway, NY		05/15/05
21	G Blank	East R., NYC	07/02/04	M Turci	East R., NYC	27	05/29/05
17	G Horvath	Barnegat Inlet, NJ	05/22/05	G Karr	Barnegat Bay, NJ		06/03/05
24	A Anderson	Block Is., RI	07/02/04	M Scotty	Montauk Pt., NY	26	06/04/05
19	G Horvath	Barnegat Inlet, NJ	05/23/05	K Ryan	Barnegat Lt., NJ		06/07/05
18	G Horvath	Barnegat Inlet, NJ	11/02/04	J Decker	Tuckerton, NJ		06/10/05
18	J Matos	Ocean Breeze, S.I., NY	05/12/05	F McLaughlin	Gardiners Is., NY		06/11/05
22	B Shillingford	Strathmere, NJ	05/15/05	B Hamilton	Brant Beach, NJ		06/16/05
20	G Horvath	Barnegat Inlet, NJ	06/09/05	J Davison	Ocean Beach, NJ		06/23/05
29	A Anderson	Block Is., RI	10/28/04	R Rice	Race Pt., MA	30	06/23/05
21	G Horvath	Barnegat Inlet, NJ	06/23/05	J Nalbone	Island Beach St. Pk., NJ	21	06/27/05
17	B Shillingford	Corson's Sound, NJ	05/10/05	R Ransolo	Mullica R., NJ	18	07/06/05
23	S Tombs	Matunuck, RI	10/09/04	D Lowe	Chatham, MA		07/16/05
18	E Mayer	Huntington, NY	06/30/05	D Muhlenforth	East R., NY	18	07/25/05
22	A Schweithelm	Eatons Neck, NY	07/16/05	R Ortiz	City Is., NY	24	08/03/05
16	B Shillingford	C.W., Ocean City, NJ	05/14/05	G Stephens	Montauk, NY	18	08/07/05
12	G Horvath	Manasquan Inlet, NJ	06/30/05	L Reizer	Pt. Pleasant Canal, NJ	15	08/09/05
19	G Blank	East R., NYC	08/22/04	T DiLernia	East R., NYC	24	08/09/05
15	B Shillingford	Strathmere, NJ	06/03/05	J Spader	Pt. Pleasant Canal, NJ	18	08/24/05
26	A Anderson	Block Is., RI	08/14/05	J Acee	Newport, RI		08/25/05
26	R Kyker	Westport, CT	07/15/05	K Meyer	Norwalk, CT	29	08/28/05
16	B Shillingford	Ludlam Bay, NJ	06/02/05	NMFS Observer	Off Barnegat Inlet, NJ	18	09/01/05
30	A Anderson	Newport, RI	08/15/05	D Potter	Newport, RI		09/03/05
27	A Anderson	Matunuck, RI	08/10/05	J Ripanti	Narragansett Bay, RI	27	09/05/05
25	M Strober	East R., NYC	09/03/05	M Strober	Governor's Is., NY	25	09/18/05
20	G Blank	East R., NYC	10/04/04	S Baron	Little Neck Bay, NY	25	10/18/05
24	A Schweithelm	Eatons Neck, NY	09/18/05	J Apoldo	Mamaroneck, NY		10/20/05
21	D Sanford E.	Greenwich Bay, RI	10/02/05	NMFS Observer	Block Is. Sound, RI	21	10/27/05
19	R Conklin	Norwalk, CT	09/11/05	D Bridgette	Stepping Stone Lt., NY	19	10/31/05
15	G Horvath	Barnegat Inlet, NJ	08/24/05	P Herb	Delaware St. Pk., DE	15	11/19/05

Fluke

16	B Russo	Acabonack Hbr., NY	06/07/01	N Ciardullo	Gardiner's Bay, NY	18	06/15/03
14	F Waltzinger III	Manasquan, NJ	08/21/03	F/V Trident	Offshr., Cape Charles, VA	17	11/11/04
13	W Zinlinski	Cape May Canal, NJ	11/02/02	B Mellwig III	Cape May Inlet, NJ	15	12/15/04
16	F Waltzinger III	Upper Manasquan R., NJ	07/31/04	J Herrmann	Offshr., Hudson Canyon	16	01/28/05
14	G Blank	New York Harbor	08/02/04	J Herrmann	Offshr., Hudson Canyon	15	01/28/05
13	F Waltzinger III	Bay Head, NJ	09/19/02	A Chaplaski	Offshr., Mantoloking, NJ	17	01/30/05
13	D Haines	Barnegat Bay, NJ	05/25/04	R Berry	Offshr., Hudson Canyon, NJ		01/30/05
9	F Waltzinger III	Upper Manasquan R., NJ	09/02/03	A Chaplaski	Offshr., Mantoloking, NJ	15	01/30/05
22	H Leemann	Ambrose Chan., NY	07/03/04	D Willis Jr.	Offshr., Washington Canyon, VA		02/15/05
13	M Hawkins	25.5 mi. NE Ocean City, MD	08/11/03	Comm. trawler	Offshr., Cape May, NJ		02/16/05
13	D Santiago	Sandy Hook, NJ	06/04/03	D Jones	Found at a packing house in VA		03/05/05
14	J Fernandez	Raritan Bay, NJ	06/15/04	D Jones	Found at a packing house in VA		03/05/05
14	B Shillingford	I.C.W., Ocean City, NJ	09/23/04	F/V Austin	Offshr., Atlantic City, NJ	15	03/10/05
13	B Shillingford	I.C.W., Ocean City, NJ	06/17/04	Comm. trawler	Offshr., Ocean City, MD	15	03/14/05
16	J Hickey Jr.	Long Branch, NJ	07/03/04	F/V "Lady Helen"	Offshr., Hudson Canyon	17	03/18/05
7	F Waltzinger III	Upper Manasquan R., NJ	09/16/03	F/V Glenna & Jacob	Nomans Land, MA	16	03/20/05
15	F Waltzinger III	Bay Head, NJ	07/11/04	Comm. Trawler	Offshr., Indian R. Inlet, DE	16	03/21/05
15	A Schweithelm	Montauk Pt., NY	07/09/03	T McVey	S. of Rhode Is.	18	03/21/05

Species	Length	Tagger	Place Tagged	Date	Recapturer	Location	Length	Date
15	S Fries	2 mi. S Coney Is., NY	07/24/04	J Miller	60 mi. ESE Cape May, NJ		03/24/05	
15	F Waltzinger III	Bay Head, NJ	07/11/04	M Newman	7 mi. E Hatteras Is., NC		03/28/05	
15	F Avezzano	Jamaica Bay, NY	06/11/04	Comm. trawler	Offshr., Cape May, NJ		03/30/05	
13	S Radossi	Sandy Hook, NJ	06/19/04	B Denton	Offshr., Cape Henlopen, DE	17	04/14/05	
13	F Waltzinger III	Spring Lake, NJ	06/29/04	G Boyd	Offshr., Atlantic City, NJ	14	04/21/05	
12	F Waltzinger III	Manasquan R., NJ	07/16/03	G Boyd	Offshr., Atlantic City, NJ	15	04/22/05	
19	A D'Amato	Cape May, NJ	11/30/04	L Brousseau	Delaware Bay, NJ		04/27/05	
16	M Sullivan	1/2 mi. S Shinnecock Inlet, NY	05/19/05	W Wordell	Outside Shinnecock Inlet, NY	16	05/19/05	
16	A Schweithelm	Montauk, NY	05/22/05	F/V Double D	Montauk Pt., NY	17	05/23/05	
15	M Strober	Coney Is., NY	05/28/05	M Benoit	Coney Is., NY	15	06/01/05	
11	R Anderson Jr.	Fire Is. Inlet, NY	05/20/05	J Klesseraht	USCG, Fire Is., NY	12	06/06/05	
17	P Risi	3 mi. S Pt. O'Woods, NY	09/12/04	NMFS Observer	Off Fire Is., NY	17	06/09/05	
14	F Waltzinger III	Manasquan R., NJ	05/29/05	S Brooks	Manasquan Inlet, NJ		06/09/05	
17	E Solan	Ocean Breeze, S.I., NY	05/12/05	W Surowiec	Staten Is., NY	17	06/10/05	
15	D Haines	Delaware Bay	06/05/05	W Anderson	Fortesque, NJ	15	06/12/05	
15	F Waltzinger III	Long Branch, NJ	05/26/04	B McCarthy	Shrewsbury Rocks, NJ	17	06/12/05	
13	B Fries	Brighton Beach, NY	06/13/05	B Fries	Brighton Beach, NY	13	06/13/05	
16	C Miller	Sea Isle City, NJ	08/03/04	P Peters	Hereford Inlet, NJ	16	06/14/05	
14	S Fries	2 mi. W Rockaway Inlet, NY	06/04/05	L Marshall	Coney Is. flats, NY	15	06/14/05	
14	S Carlsen	Laurence Harbor, NJ	08/23/02	B DeMario	Misquamicut Beach, RI	19	06/17/05	
15	F Waltzinger III	Bay Head, NJ	07/20/02	D Dulko	Montauk Pt., NY	19	06/18/05	
14	M Traina	Keansburg, NJ	08/09/03	M Daniele	Keansburg, NJ	18	06/19/05	
16	R Anderson Jr.	Fire Is. Inlet, NY	05/12/05	M Poulin	Great South Bay, NY	17	06/20/05	
8	F Waltzinger III	Upper Manasquan R., NJ	08/06/04	J Wierzbicki	Fire Is. Inlet, NY	12	06/20/05	
14	B Shillingford	I.C.W., Ocean City, NJ	05/04/05	R Dantine	I.C.W., Ocean City, NJ	14	06/23/05	
15	G Nigro	Belford, NJ	06/18/05	F Hoefert	Belford, NJ	15	06/24/05	
16	D Haines	Barnegat Bay, NJ	07/27/04	B Leonetti	Ventnor, NJ	16	06/24/05	
14	G Nigro	Belford, NJ	06/18/05	T D'Anna	Belford, NJ	14	06/25/05	
14	B Shillingford	Corson's Sound, NJ	07/19/03	J Cawthern	USCG, Sandy Hook, NJ	18	06/26/05	
16	S Tombs	Matunuck, RI	05/29/05	J Sunday	Pt. Judith, RI		06/26/05	
14	J Ponticorvo	Sandy Hook, NJ	05/31/05	T Guyre	Sandy Hook, NJ		06/26/05	
12	D McDonough	Romer Shoals, NJ	07/22/04	J Reeves	Sound Beach, NY	14	06/26/05	
13	B Shillingford	I.C.W., Strathmere, NJ	06/18/05	N Wilson	I.C.W., Sea Isle City, NJ		06/27/05	
9	B Fries	Brighton Beach, NY	06/13/05	R Tonnesen	Brighton Beach, NY		06/28/05	
15	F Waltzinger III	Upper Manasquan R., NJ	09/01/03	NMFS Observer	Offshr., Nantucket, MA		06/29/05	
13	B Fries	Brighton Beach, NY	06/13/05	J Cutrona	Marine Pkwy. Brdg., NY		06/30/05	
15	J Gilbuin	Ocean Grove, NJ	07/27/04	T Sereika	Bay Head, NJ		07/01/05	
13	D Haines	Delaware Bay	07/31/04	R Van Sciver	Tuckerton, NJ	16	07/02/05	
15	J Hickey Jr.	Seaside Pk., NJ	08/24/03	R Brown	1 mi. E Spring Lake, NJ	16	07/04/05	
13	B Shillingford	I.C.W., Ocean City, NJ	06/16/04	E Thomas	#479 I.C.W., NJ	16	07/04/05	
16	B Russo	Greenport, NY	05/15/04	R Anderson	Fire Is. Lt., NY	17	07/05/05	
13	B Shillingford	Strathmere, NJ	07/05/05	L Kappel	Strathmere, NJ		07/06/05	
15	W Potok	Strathmere, NJ	06/05/05	J Dymond	Strathmere, NJ	15	07/06/05	
14	B Shillingford	Strathmere, NJ	07/05/05	J Dymond	Strathmere, NJ	15	07/06/05	
14	T Burden	Verrazano Brdg., NY	06/11/05	S Venanzini	South Beach, S.I., NY		07/07/05	
14	J Ponticorvo	Sandy Hook, NJ	05/31/05	E Klemper	Sandy Hook, NJ	14	07/07/05	
15	M Sullivan	1/2 mi. S Shinnecock Inlet, NY	05/19/05	G Besemer	Gardiners Bay, NY	15	07/07/05	
15	B Shillingford	I.C.W., Ocean City, NJ	06/08/05	J Casey	I.C.W., Ocean City, NJ		07/09/05	
11	S Fries	Brighton Beach, NY	06/11/05	S Fries	Brighton Beach, NY	11	07/09/05	
10	B Shillingford	I.C.W., Strathmere, NJ	10/07/04	M Schuler	I.C.W., Ocean City, NJ	11	07/10/05	
18	M Moore	Moriches Inlet, NY	08/22/04	V Ranieri	Moriches Bay, NY	19	07/11/05	
16	S Radossi	Norton's Pt., NY	07/05/05	A Lemme	Tin Can Grounds, NY	16	07/14/05	
16	S Baker	Sandy Hook, NJ	06/02/05	J Pinter	USCG, Sandy Hook, NJ		07/14/05	
16	S Fries	Brighton Beach, NY	06/11/05	R LoGuidice	Coney Is., NY	18	07/14/05	
15	F Waltzinger III	Spring Lake, NJ	06/29/04	A Florek	Monmouth Beach, NJ	16	07/15/05	
12	B Shillingford	I.C.W., Ocean City, NJ	06/17/04	W Anderson	I.C.W., Ocean City, NJ	15	07/15/05	
15	B Shillingford	Strathmere, NJ	05/23/05	J Dymond	Strathmere, NJ	15	07/15/05	
15	F Waltzinger III	Raritan Bay, NJ	06/29/05	A Smentkowski Jr.	Raritan Bay, NJ	15	07/15/05	
12	B Shillingford	Corson's Inlet, NJ	07/26/04	P Dean	Westbrook, CT	13	07/15/05	
10	S Radossi	Sandy Hook, NJ	06/25/05	J Iannacone	Sandy Hook, NJ	10	07/16/05	
12	L Kilgus	Manasquan R., NJ	07/06/05	R Albino	Manasquan R., NJ	12	07/16/05	
12	B Slobodian	Manasquan R., NJ	07/06/05	R Albino	Manasquan R., NJ	12	07/16/05	
12	K Morgan	Brooklyn, NY	07/02/05	D Sokolowski	Verrazano Brdg., NY		07/16/05	
14	B Shillingford	I.C.W., Ocean City, NJ	05/18/05	J Helmig	I.C.W., Ocean City, NJ	16	07/16/05	
15	F Waltzinger III	Upper Manasquan R., NJ	09/03/04	J Provost	Hampton Bays, NY	18	07/17/05	
12	J Westdyke	Manasquan R., NJ	08/27/02	N Masek	Nantucket Sound, MA	17	07/17/05	

Species	Length	Tagger	Place Tagged	Date	Recapturer	Location	Length	Date
16	B	Shillingford	I.C.W., Ocean City, NJ	06/08/04	G Baker	Great Egg Inlet, NJ	19	07/18/05
12	S	Flossain	Raritan Bay, NJ	05/16/05	V Segal	Verrazano Brdg., NY		07/18/05
18	E	Mayer	Huntington, NY	05/23/05	L Litof	Ambrose Chan., NY		07/19/05
16	B	Shillingford	I.C.W., Ocean City, NJ	05/14/05	K Pero	I.C.W., Ocean City, NJ	17	07/20/05
17	A	Long	Raritan Bay, NJ	05/16/05	G Links	Ambrose Chan., NY	17	07/22/05
15	F	Waltzinger III	Keyport, NJ	07/01/04	J Maxwell	Jones Inlet, NY	16	07/22/05
13	K	Morgan	Sandy Hook, NJ	06/25/05	T Elefante	Sandy Hook, NJ	14	07/22/05
11	F	Waltzinger III	Deal, NJ	06/04/02	N Edwards Jr.	Gardiners Bay, NY	16	07/23/05
15	B	Martin	Manasquan Inlet, NJ	07/10/05	J Frankshun	Manasquan Inlet, NJ	15	07/23/05
12	C	Fiorillo	Deal, NJ	07/05/05	A Safdieh	Long Branch, NJ	13	07/24/05
12	R	Anderson Jr.	Fire Is. Inlet, NY	07/19/02	G Levin	Hyannisport, MA		07/24/05
12	D	Goodwin	Merrick Bay, NY	07/06/05	A Lauber	Merrick Bay, NY		07/24/05
16	D	Haines	Barnegat Lt., NJ	08/15/04	W Adams	Barnegat Lt., NJ	17	07/25/05
12	R	Anderson Jr.	Fire Is. Inlet, NY	08/31/03	J Upton	Fire Is., NY	16	07/25/05
15	D	Goodwin	Merrick Bay, NY	07/06/05	L Poulsen	Merrick, NY		07/26/05
13	F	Waltzinger III	Upper Manasquan R., NJ	07/29/04	S Kaepffel	Mt. Misery Shoal, NY	16	07/26/05
18	B	Goodman	Montauk Pt., NY	06/14/05	K Etzel	Montauk Pt., NY	19	07/27/05
12	A	D'Amato	Cape May, NJ	07/13/05	F Dietz	Cape May Canal, NJ		07/27/05
15	M	Strober	Bay Ridge, NY	05/25/02	M Cargill	Ambrose Chan., NY	18	07/28/05
11	R	Anderson Jr.	Fire Is. Inlet, NY	05/20/05	D Hellgren	Kismet, F.I., NY		07/28/05
17	B	Goodman	Montauk Pt., NY	06/14/05	J Valentino	Montauk, NY	17	07/28/05
14	D	Haines	Barnegat Bay, NJ	07/27/04	J Provoost	Hampton Bays, NY	16	07/30/05
15	R	Anderson Jr.	Fire Is. Inlet, NY	07/17/04	B Barone	Fire Is. Inlet, NY	18	07/30/05
16	E	Mayer	Huntington Bay, NY	07/16/04	F/V Miss Nancy	Gardiners Bay, NY	18	07/30/05
13	C	Miller	Avalon, NJ	07/16/05	Unknown Fisherman	Avalon, NJ		07/31/05
11	S	Fries	2 mi. W Rockaway Jetty, NY	07/16/05	B Unger	Coney Is., NY	11	07/31/05
20	P	Risi	3 mi. S Pt. O'Woods, NY	09/12/04	S Parente	Pt. Judith, RI	22	08/01/05
13	C	Peszka	Brigantine, NJ	07/18/03	R Main	Shark R., NJ	19	08/01/05
14	S	Fries	Brighton Beach, NY	06/11/05	R Vento	Brighton Beach, NY	16	08/02/05
12	B	Shillingford	Strathmere, NJ	07/05/05	G Cline	Strathmere, NJ	12	08/02/05
17	E	Mayer	Huntington, NY	08/04/04	C Einsel Jr.	Oyster Bay, NY	17	08/02/05
15	G	Nigro	Sandy Hook, NJ	06/28/05	B Petrolino	Atlantic Highlands, NJ	17	08/03/05
15	P	Guirra	Sandy Hook Bay, NJ	06/07/04	J Russell	Leonardo, NJ	20	08/04/05
14	C	Miller	Avalon, NJ	07/14/05	R Snyder	Townsend's Inlet, NJ	14	08/04/05
14	C	Miller	Avalon, NJ	07/14/05	J Earnest	Townsend's Inlet, NJ	14	08/04/05
16	S	Fries	Ambrose Chan., NY	07/23/05	R Polo	Ambrose Chan., NY	16	08/05/05
17	B	Russo	Gardiners Bay, NY	07/03/05	C Melvin	Gardiners Is., NY		08/06/05
14	J	Hickey	Long Branch, NJ	07/10/05	N Riccio	Long Branch, NJ	15	08/07/05
12	B	Shillingford	Ocean City, NJ	07/19/05	S Hendrzak	I.C.W., Ocean City, NJ		08/07/05
13	B	Shillingford	Corson's Inlet, NJ	08/02/05	B Plumgis	Corson's Inlet, NJ	14	08/07/05
14	T	Matraxia	Ambrose Chan., NY	07/22/05	E Zienowicz III	Sandy Hook, NJ	14	08/07/05
16	B	Goodman	Montauk Pt., NY	06/13/05	A Garbuio	Montauk, NY	17	08/08/05
15	R	Anderson Jr.	Fire Is. Inlet, NY	05/12/05	T Siano	Robert Moses Brdg., NY		08/09/05
13	S	Radossi	Norton's Pt., NY	07/02/05	R Patat	Coney Is., NY	13	08/10/05
11	S	Radossi	New York Harbor	06/18/05	D O'Donnell	Ambrose Chan., NY		08/11/05
21	H	Leemann	Norton's Pt., NY	07/29/05	M Duzello	E of Swinburne Is., NY	21	08/11/05
15	K	Morgan	Ambrose Chan., NY	07/30/05	N Schijan	Sandy Hook, NJ		08/13/05
16	S	Fries	Brighton Beach, NY	07/03/05	D DeCapua	Jamaica Bay, NY	16	08/14/05
16	C	Miller	Avalon, NJ	07/16/05	M Bradley	Townsend's Inlet, NJ	17	08/15/05
13	B	Shillingford	Ludlam Bay, NJ	08/11/05	B Shillingford	Ludlam Bay, NJ	13	08/15/05
14	F	Waltzinger III	Great Bay, NJ	08/05/05	L Maleski	Little Egg Inlet, NJ		08/15/05
13	F	Spall	Sandy Hook, NJ	07/19/01	G Ricci	Fire Is., NY	18	08/16/05
15	S	Fries	Ambrose Chan., NY	08/13/05	J Gentile	Ambrose Chan., NY	16	08/16/05
13	B	Shillingford	Strathmere, NJ	07/01/04	J McCullough	Jarvis Sound, NJ	14	08/16/05
17	B	Russo	Gardiners Bay, NY	06/28/05	C Bacchi	Gardiners Bay, NY	18	08/17/05
15	S	Fries	Brighton Beach, NY	06/02/05	C Eisenbach	Sheepshead Bay, NY	16	08/19/05
16	M	Sullivan	1/2 mi. S Shimnecock Inlet, NY	05/19/05	D Crawford	Montauk Lt., NY	16	08/19/05
17	E	Mayer	Huntington Bay, NY	06/01/05	Unknown Fisherman	Huntington, NY		08/20/05
22	H	Leemann	Norton's Pt., NY	05/31/05	J Sigell	South Shore of L.I., NY		08/21/05
15	A	Schweithelm	Montauk, NY	07/07/04	M Stern	Montauk Lt., NY	17	08/21/05
12	B	Shillingford	I.C.W., Strathmere, NJ	06/06/05	K DeLanet	Corson's Inlet St. Pk., NJ	13	08/21/05
13	B	Shillingford	I.C.W., Ocean City, NJ	05/18/05	E Shaw	Corson's Inlet, NJ	15	08/22/05
17	M	Strober	Verrazano Brdg., NY	06/18/05	P Schmitt	West Bank Lt., NY		08/24/05
17	A	Schweithelm	Montauk, NY	05/22/05	S Kourtesis	Newport, RI		08/24/05
14	B	Shillingford	Ludlam Bay, NJ	08/15/05	B Shillingford	Ludlam Bay, NJ	14	08/25/05
13	B	Shillingford	Ludlam Bay, NJ	06/15/04	P Barbera	Holgate, NJ	15	08/26/05

Species	Length	Tagger	Place Tagged	Date	Recapturer	Location	Length	Date
14	B Shillingford	Ludlum Bay, NJ	08/24/05	W Taylor	Ludlum Bay, NJ	14	08/27/05	
14	J Hickey Jr.	Seaside Pk., NJ	08/08/04	S Kiseli	Brick, NJ	15	08/27/05	
14	M Sullivan	1/2 mi. S Shinnecock Inlet, NY	05/09/05	P Lavin	Block Is., RI	15	08/28/05	
14	D Haines	Barnegat Bay, NJ	05/31/05	Unknown Fisherman	Barnegat Inlet, NJ	15	08/29/05	
12	B Shillingford	I.C.W., Ocean City, NJ	07/02/04	M Passmore	Ocean City, NJ	17	08/29/05	
20	M Sullivan	1/2 mi. S Shinnecock Inlet, NY	05/19/05	R Rymash	Niantic, CT		08/30/05	
15	B Shillingford	Ludlum Bay, NJ	08/26/05	M Dooley	Strathmere, NJ	16	09/03/05	
15	F Waltzinger III	Little Egg Reef, NJ	08/27/05	S Darragh	Little Egg Reef, NJ	15	09/09/05	
14	B Russo	Gardiners Bay, NY	08/11/03	F Capobianco	Montauk, NY	17	09/09/05	
14	J Hickey Jr.	Sea Girt Reef, NJ	08/11/02	W Brucks	Barnegat Lt. Reef, NJ	16	09/09/05	
16	B Shillingford	Ludlum Bay, NJ	04/24/05	B Shillingford	Ludlum Bay, NJ	17	09/12/05	
15	B Shillingford	I.C.W., Ocean City, NJ	06/01/05	B Shillingford	Ludlum Bay, NJ	16	09/13/05	
15	B Sharpe	Pt. Pleasant, NJ	09/04/05	R Balak	Manasquan Inlet, NJ	15	09/15/05	
15	D McDonough	Raritan Bay, NY	07/08/04	M Krupa	Sandy Hook Bay, NJ	16	09/24/05	
14	R Anderson Jr.	Fire Is. Inlet, NY	05/12/05	J Siegell	Offshr., Jones Beach, NY	17	09/28/05	
13	B Shillingford	I.C.W., Ocean City, NJ	05/16/05	J Kenny	Corson's Inlet, NJ	16	09/28/05	
16	F Waltzinger III	Keansburg, NJ	06/07/05	G Misko	Raritan Bay, NJ	16	10/01/05	
15	B Shillingford	Ludlum Bay, NJ	08/30/05	P Ribble	Corson's Inlet, NJ	16	10/02/05	
15	M Hawkins	22 mi. S Ocean City, MD	08/13/05	NMFS Observer	Offshr. Cape Charles, VA	15	10/29/05	
12	D Haines	Barnegat Bay, NJ	05/20/03	K Tuttle	Offshr., Rhode Is.	14	12/20/05	

Jack Crevalle

21	J Wright	Venice, FL	12/12/04	C Shultz	Orymans Bay, FL		03/19/05
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Red Grouper

13	B Russo	Hawk Chan., Tavernier, FL	01/10/05	T Nolt	Hawk Chan., Tavernier, FL	13	02/05/05
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Scup

8	S Taman	Ocean Breeze Pier, NY	09/23/05	G Blank	Ocean Breeze Pier, NY	08	10/05/05
7	M Farag	Ocean Breeze Pier, NY	09/23/05	G Blank	Ocean Breeze Pier, NY	08	10/05/05

Striped Bass

38	J Posh	Fishers Is., NY	08/28/01	G Barber	Fishers Is., NY		09/01/01
23	A D'Amato	Cape May, NJ	12/19/01	J Fabryka	Slaughter Beach, DE	24	12/27/02
29	J Hickey Jr.	Rockaway, NY	11/26/02	R Denny	Upper Delaware Bay		04/24/03
27	W Marker	E. Rockaway Inlet, NY	05/11/02	F Tenore Jr.	Raritan Bay, NJ	30	05/28/03
13	A ^o Anderson	Old Lyme, CT	05/03/98	F Tenore	Raritan Bay, NJ	24	06/09/03
27	L Gonnello	Flynn's Knoll, NJ	06/25/03	F Tenore Jr.	Raritan Bay, NJ	29	07/02/03
29	C Zinna	Sandy Hook, NJ	06/06/03	F Tenore Jr.	Raritan Bay, NJ	30	07/03/03
28	J Beaver	Flynn's Knoll, NJ	06/16/02	F Tenore Jr.	Sandy Hook, NJ	28	07/13/03
18	N Harper	Egg Hbr. Twp., NJ	11/17/03	J Fabryka	Fenwick Is., DE		03/03/04
23	K Kyker	Norwalk, CT	07/20/03	J Fabryka	Fenwick Is., DE		03/25/04
21	G Nigro	Leonardo, NJ	11/07/03	J Fabryka	Fenwick Is., DE	24	03/25/04
15	G Ottavio	Cape May, NJ	09/07/03	T Minix	Cape May, NJ		05/29/04
22	A Moore	Newburgh, NY	05/12/03	D Poulsen	Sandy Hook, NJ	30	05/29/04
22	D Kelly	Orient Pt., NY	07/11/01	F Tenore Jr.	Raritan Bay, NJ	25	06/08/04
24	F Tenore	Raritan Bay, NJ	06/18/02	F Tenore Jr.	Raritan Bay, NJ	28	06/09/04
34	F Strmiska	E. end Fishers Is., NY	06/20/93	T Ziobo	Watch Hill Lt., RI		06/15/04
30	S Jakubowski	Sandy Hook, NJ	10/26/97	T Ziobo	Watch Hill Lt., RI		06/15/04
24	W Marker	Atlantic Beach, NY	11/08/02	M Zindell	Cape Cod Bay, MA		06/15/04
23	J Beaver	Flynn's Knoll, NJ	06/06/04	B Woods	Flynn's Knoll, NJ		06/21/04
27	J Beaver	Flynn's Knoll, NJ	06/04/04	Last Lady Fish Chtr.	Flynn's Knoll, NJ	28	06/22/04
24	J Beaver	Flynn's Knoll, NJ	06/04/04	D Clark	Tip of Sandy Hook, NJ	27	06/29/04
39	D Kelly	Orient Pt., NY	06/30/04	V Avallone	Orient Pt., NY		07/02/04
27	J Beaver	Flynn's Knoll, NJ	07/03/03	F Tenore Jr.	Raritan Bay, NJ	28	07/09/04
41	D Kelly	Orient Pt., NY	06/30/04	F Smidt	Gardiners Is., NY		08/15/04
30	F Casey	Boston, MA	06/06/03	J Cerruto	Cape Cod Canal, MA		08/15/04
20	R Lounsbury	York, ME	07/05/04	G Brown	York, ME	20	09/05/04
32	A Anderson	Block Is., RI	05/19/03	B MacGregor	Moriches Inlet, NY		09/15/04
23	J Beaver	Flynn's Knoll, NJ	06/14/04	F Tenore Jr.	Raritan Bay, NJ	26	10/18/04
23	G Nigro	Rockaway, NY	08/16/02	F Tenore Jr.	Raritan Bay, NJ	26	10/21/04
26	P DiDomenico	Provincetown, MA	06/17/04	S Crain	Scarborough Beach, RI		11/11/04
25	C Betz	Ambrose Chan., NY	07/28/01	F Tenore Jr.	Raritan Bay, NJ	28	12/26/04
35	B Shillingford	Cape May, NJ	11/02/04	W Elliot	3 mi. S Oregon Inlet, NC	36	01/01/05
32	E Fiore	Great Kills, S.I., NY	05/15/04	S Pereira	Rodanthe, NC	33	01/01/05
19	A Anderson	Thames R., CT	12/12/04	M Watinson	Norwich, CT	20	01/01/05

Species	Length	Tagger	Place Tagged	Date	Recapturer	Location	Length	Date
33	J Della Porta	Nahant, MA	09/27/04	A Campbell	5 mi. S Oregon Inlet, NC		01/01/05	
32	P DiDomenico	Chatham, MA	07/21/04	G Taft	Nags Head, NC	33	01/05/05	
40	L Grazioso	Sandy Hook, NJ	06/27/04	J Lyons	1 mi. E Cape Hatteras, NC		01/06/05	
19	A Anderson	Thames R., CT	12/18/04	R Matteau	Norwich, CT		01/06/05	
23	L Gonnello	Flynns Knoll, NJ	05/23/01	E Terse	Cape May Hbr., NJ	28	01/12/05	
40	S Jakubowski	Old Orchard Lt., NY	05/14/04	S Reed	VA Beach, VA	42	01/13/05	
35	G O'Driscoll	Penns Grove, NJ	04/18/03	E Crowell	Indian R. Inlet, DE	37	01/13/05	
38	S Jakubowski	Shrewsbury Rocks, NJ	06/04/04	C Wingle	Cape Hatteras, NC	39	01/17/05	
31	G Van Houten	Great South Bay, NY	10/22/99	A Wimbrough	VA Beach, VA	36	01/19/05	
20	A Schweithelm	Eatons Neck, NY	10/18/03	Comm. gill net	Chesapeake Bay, MD	23	01/22/05	
23	S Jakubowski	Romer Shoal, NJ	06/20/02	J Bacon	Currituck, NC	29	01/22/05	
21	K Grover	Sandy Hook, NJ	10/21/04	J Glover	Thomas Pt. Lt., MD		02/01/05	
32	R Busch	Merrimack R., MA	07/23/04	T Rollins	VA Beach, VA	33	02/03/05	
36	S Jakubowski	West Bank Lt., NY	05/16/04	R Moore	Manns Hbr. Brdg., NC	36	02/05/05	
33	S Jakubowski	Robins Reef Lt., NJ	05/28/04	J Flores	Hackensack R., NJ	36	02/06/05	
30	S Jakubowski	Hoffman Is., NY	10/31/02	C Ghent	VA Beach, VA	36	02/10/05	
17	J Francesconi	Piermont, NY	03/31/04	D Vollenwieder	Hackensack R., NJ	19	02/15/05	
21	D Kelly	Orient Pt., NY	10/20/03	W Morgan	Fairview Bch., Potomac R., VA	28	02/16/05	
16	E Valli	Wellfleet, MA	05/12/04	K Metz	Northport, NY	17	02/16/05	
16	A Anderson	Thames R., CT	11/14/04	S Dundas	L.P.A. Outflow, NY		02/20/05	
19	A Anderson	Thames R., CT	12/11/04	S Durkee	Norwich, CT	20	02/22/05	
14	J Lantiegne	Norwich, CT	03/21/99	J Lantiegne	Norwich, CT	27	02/23/05	
18	A Anderson	Thames R., CT	12/05/04	J Lantiegne	Norwich, CT	20	02/23/05	
17	A Anderson	Thames R., CT	11/18/04	S Durkee	Norwich, CT	18	02/26/05	
18	A Anderson	Thames R., CT	12/19/04	L Piasecki	Norwich, CT		02/26/05	
15	K Topping	Thames R., CT	04/27/04	S Durkee	Norwich, CT	18	02/26/05	
20	A Anderson	Thames R., CT	11/26/04	E Covino	Thames R., CT	20	03/04/05	
21	A Anderson	Thames R., CT	12/04/04	E Covino	Thames R., CT	22	03/04/05	
19	A Anderson	Thames R., CT	11/26/04	L Bonilla	Norwich, CT	19	03/05/05	
16	A Anderson	Thames R., CT	01/11/05	E Covino	Thames R., CT	17	03/05/05	
30	C Bradbury	Narragansett Bay, RI	05/23/04	Comm. Netter	Croatan Sound, NC		03/07/05	
27	S Hartmann	Eatons Neck, NY	05/15/03	B Arnold	Newport News, VA		03/07/05	
16	A Anderson	Thames R., CT	12/29/04	E Covino	Thames R., CT	16	03/13/05	
16	A Anderson	Thames R., CT	11/14/04	E Miner	Norwich, CT		03/13/05	
16	G Blank	New York Harbor	11/10/03	B Richards	Norwich, CT	16	03/13/05	
22	A Anderson	Thames R., CT	12/11/04	M Florentino	Norwich, CT	22	03/15/05	
18	A Anderson	Thames R., CT	11/22/03	G Lipsie	Norwich, CT		03/15/05	
15	A Anderson	Thames R., CT	12/04/04	R Watrous	Norwich, CT	15	03/16/05	
22	G Berthel	Secaucus, NJ	10/09/03	E Lisotto	Hackensack R., NJ		03/16/05	
15	G Berthel	Secaucus, NJ	05/21/03	E Lisotto	Hackensack R., NJ		03/16/05	
26	C Wahl Jr.	Provincetown, MA	06/22/04	J Hogge	Urbanna, VA		03/17/05	
16	R Chmiel	Montville, CT	09/29/93	K Winakor	Montville, CT	32	03/18/05	
16	H Schauer	Martha's Vineyard, MA	10/17/04	T Atchinson	Norwich, CT	18	03/19/05	
19	A Anderson	Thames R., CT	12/27/03	E Cooley	Thames R., CT	22	03/19/05	
17	G Blank	New York Harbor	11/12/03	B Bonnar	Nyack, NY	22	03/22/05	
29	J Murphy	Newport, RI	06/26/04	M Bryant	Nomini Bay, MD	30	03/22/05	
20	A Anderson	Thames R., CT	12/12/04	T Stebbins	Thames R., CT		03/22/05	
16	A Anderson	Thames R., CT	12/31/04	K Winakor	Norwich, CT	19	03/24/05	
15	A Anderson	Thames R., CT	11/28/00	K Winakor	Norwich, CT	24	03/24/05	
16	A Anderson	Thames R., CT	11/23/04	D Smith	Norwich, CT	17	03/24/05	
18	T Marburger	Northport, NY	04/27/03	W Snyder	Piermont, NY	18	03/26/05	
28	W Marker	E. Rockaway Inlet, NY	09/21/03	R Lemery	Norwich, CT	34	03/26/05	
16	A Anderson	Thames R., CT	01/11/05	J Lantiegne	Norwich, CT	16	03/30/05	
11	G Blank	New York Harbor	12/19/04	R Marsh	Hoboken, NJ		03/30/05	
17	J Casey	Navesink R., NJ	07/13/03	S Goldsen	Raritan Bay, NJ	17	03/31/05	
36	P DiDomenico	Chatham, MA	07/28/04	NJ Div. of F & W	Reeds Beach, NJ	36	03/31/05	
19	R Pearson Jr.	Upper Croton R., NY	06/11/03	Unknown Fisherman	Piermont, NY		04/01/05	
12	G Blank	New York Harbor	12/18/04	R Santiago	Bayonne, NJ		04/01/05	
21	J Della Porta	Swampscott, MA	08/08/04	J Newsome	New Brunswick, NJ	26	04/02/05	
18	R Pearson Jr.	Silver Pt. Jetty, NY	11/07/04	J Guimaraes Jr.	Cliffwood Beach, NJ	19	04/02/05	
19	A Messina	Cold Spring Hbr., NY	11/04/02	R Santiago	Bayonne, NJ		04/02/05	
16	A Anderson	Thames R., CT	12/30/04	L Piasecki	Montville, CT		04/03/05	
20	R Conklin	Moriches Inlet, NY	10/26/03	NJ Div. of F & W	Reeds Beach, NJ	22	04/05/05	
35	B Shillingford	Strathmere, NJ	10/06/04	N Franklin	Delaware Bay, NJ		04/05/05	
27	C Bellinzoni	Jones Inlet, NY	06/23/04	NJ Div. of F & W	Reeds Beach, NJ	28	04/06/05	
21	R Leja	Bridgeport, CT	07/29/03	D Smalie	Lawrence Hbr., NJ	26	04/06/05	

Species	Length	Tagger	Place Tagged	Date	Recapturer	Location	Length	Date
20	B	Shillingford	Strathmere, NJ	11/17/04	T Kelley	Elsinboro Pt., NJ		04/07/05
21	B	Shillingford	I.C.W., Strathmere, NJ	10/30/03	K Eichman	Great Bay, NJ	24	04/07/05
25	J	Karolides	Danvers, MA	09/26/04	J Fabryka	Port Mahon, DE	25	04/09/05
38	B	Garrison Jr.	5 Fathom Bk., Cape May, NJ	11/27/04	J Fabryka	Port Mahon, DE		04/09/05
16	G	Blank	New York Harbor	11/15/04	R Pearson Jr.	Croton Bay, NY	17	04/09/05
33	S	Jakubowski	Robins Reef Lt., NJ	06/02/04	J Fabryka	Port Mahon, DE	34	04/09/05
20	A	Anderson	Thames R., CT	12/19/04	E Covino	Thames R., CT	22	04/09/05
12	B	Richards	Norwich, CT	03/13/05	J Benerakis	Norwich, CT		04/10/05
12	G	Blank	New York Harbor	12/05/04	S Kelly	Bay Ridge Flats, NY	13	04/10/05
21	A	Anderson	Thames R., CT	12/11/04	J Krajewski	Norwich, CT		04/10/05
16	A	Anderson	Thames R., CT	03/22/05	J Benerakis	Norwich, CT	17	04/10/05
27	D	Blinken	Napeague, NY	06/19/03	W Dickinson	Delaware Bay	30	04/10/05
23	L	Quinn	New Haven, CT	06/03/01	B Manton	Delaware Bay	27	04/10/05
26	R	Lehman	Shinnecock, NY	07/01/04	J Fabryka	Port Mahon, DE	27	04/12/05
14	G	Blank	New York Harbor	11/20/04	A Morioko	Ossining, NY	16	04/12/05
31	S	McGuigan	Florence, NJ	04/20/04	H Faux	Delanco, NJ	32	04/12/05
25	A	Anderson	Thames R., CT	12/16/04	J Telgarsky	Norwich, CT		04/12/05
20	J	Pickering	Providence, RI	12/26/04	M Giambazi	Pawtucket, RI		04/14/05
13	G	Blank	New York Harbor	11/19/04	J Smith	Bayonne, NJ	13	04/15/05
25	A	Anderson	Thames R., CT	12/05/04	A Lehmann	Greenville Dam, CT	25	04/15/05
19	B	Shillingford	Ludlam Bay, NJ	10/14/04	P Denelsbeck	Salem Cove, NJ	23	04/15/05
26	C	Brittingham	Chester Is., NJ	04/25/04	J Fabryka	Port Mahon, DE	27	04/15/05
20	G	Blank	New York Harbor	11/14/04	S Kozlowski Jr.	Rondout Cr., NY		04/16/05
27	S	Hartmann	Eatons Neck, NY	09/12/00	R Ruggiero	Great Kills, NY	36	04/16/05
26	A	Bencivenga	Sandy Hook, NJ	07/02/03	B Winter	Calvert Cliffs, MD	33	04/16/05
20	J	Murphy	Jamestown, RI	06/11/04	J Hondros	9 mi. N Cape May, NJ	22	04/17/05
17	A	Messina	Cold Spring Hbr., NY	10/08/03	A Frohlich	Piermont, NY	21	04/18/05
26	P	Grippio	Jones Inlet, NY	11/23/03	D Barbee	Kitopeke St. Pk., VA	27	04/18/05
14	D	Kelly	Sag Harbor, NY	06/02/04	J Fisher	Sag Harbor, NY	14	04/18/05
21	G	Nigro	Leonardo, NJ	11/17/04	E Vetter	Newark Bay, NJ	22	04/18/05
21	G	Horvath	Barnegat Inlet, NJ	11/11/04	G Phillips	Fortesque, NJ		04/18/05
17	A	Anderson	Thames R., CT	11/16/04	A Ristori	Romer Shoal, NJ	18	04/19/05
18	R	Conklin	Moriches Inlet, NY	06/19/04	L Grazioso	Romer Shoal, NJ	18	04/19/05
17	A	Anderson	Pt. Judith, RI	11/02/04	J Bowe	Piermont, NY	19	04/20/05
19	A	Anderson	Thames R., CT	01/03/04	E Molinaro	Lemon Cr., S.I., NY	20	04/20/05
16	G	Blank	New York Harbor	11/09/04	J Kenney	Secaucus, NJ	16	04/21/05
20	F	Tellefsen	Old Orchard Lt., NY	11/16/04	T Eggie	Mullica R., NJ	22	04/21/05
27	H	Schauer	Martha's Vineyard, MA	10/27/03	D Lewis	1/2 mi. N Cove Pt. Lt., MD	29	04/22/05
20	F	Jessup II	Quogue, NY	11/10/04	R Swerida	Spring Lake, NJ	21	04/22/05
17	A	Schweithelm	Asharoken, NY	07/25/04	B Kahl	Seaside Pk., NJ	20	04/22/05
17	A	Anderson	Thames R., CT	04/22/05	B Sampson Jr.	Thames R., CT	17	04/23/05
33	B	Shillingford	60' Slough, DE Bay	11/09/04	M Pomponi	Calvert Cliffs, MD	34	04/23/05
29	C	Brittingham	Chester Is., NJ	04/10/04	C Phillips	Mouth of Choptank R., MD	32	04/23/05
32	S	Jakubowski	West Bank Lt., NY	05/20/02	R Bergman Jr.	Bloody Pt. Lt., MD	38	04/23/05
17	A	Schweithelm	Eatons Neck, NY	11/06/04	A Ristori Romer	Shoal, NJ	20	04/23/05
22	T	McConnell	Provincetown, MA	06/11/03	D Carovillano	Sandy Hook, NJ	25	04/23/05
23	G	O'Driscoll	Strathmere, NJ	06/23/03	P Kennedy	Townsend's Inlet, NJ	27	04/24/05
22	G	Blank	East R., NYC	09/05/04	B Mason	Cape May, NJ 04/24/05		
20	G	Kerkhan	N. Truro, MA	10/13/04	J Lagrosa	Island Beach St. Pk., NJ	22	04/25/05
24	S	Hartmann	Eatons Neck, NY	08/17/01	A Crispina	Cold Spring Hbr., NY		04/25/05
27	T	Rumpf	Mt. Sinai, NY	12/02/01	J Tzannes	Manhasset Bay, NY	31	04/26/05
26	G	Nigro	Leonardo, NJ	11/07/04	C Carroll	Sandy Hook, NJ	27	04/26/05
20	A	Anderson	Thames R., CT	12/19/04	A Anderson	Montville, CT	20	04/28/05
30	A	Anderson	Block Is., RI	07/11/01	C Whitley	Mouth of Patuxent R., MD	37	04/28/05
29	A	Anderson	Block Is., RI	07/11/01	C Whitley	Chesapeake Bay, MD	37	04/28/05
38	R	Wright	Cuttyhunk, MA	09/25/04	B Benson	Mid Chesapeake Bay, MD	40	04/28/05
36	P	DiDomenico	Chatham, MA	08/04/04	J Andrews	Chesapeake Bay, MD	43	04/29/05
28	A	D'Amato	6 mi. S Cape May, NJ	11/19/04	B Thomas	Navesink R., NJ	28	04/29/05
22	D	Kelly	Orient Pt., NY	11/03/03	NJ Div. Mar. Fish.	Delaware Bay, NJ		04/29/05
24	A	Anderson	Thames R., CT	12/19/04	B Sampson Jr.	Thames R., CT		04/29/05
15	B	Haslam	Mullica R., NJ	10/03/04	J Porcellini	Tuckerton, NJ	15	04/30/05
20	H	Sweet	Warren, RI	09/23/04	P Hofmann	Island Beach St. Pk., NJ		04/30/05
35	P	DiDomenico	Chatham, MA	09/03/04	R Lindley Smith	Pt. Lt., MD		04/30/05
19	J	Pickering	E. Providence, RI	09/25/04	T Dalton	E. Providence R., RI		05/01/05
17	F	Waltzinger III	Manasquan R., NJ	10/14/03	H Hoffman	Sandy Hook, NJ	20	05/01/05
37	C	Carroll Jr.	Raritan Bay, NY	06/08/03	B Picha	Calvert Cliffs, MD	40	05/01/05

Species	Tagger	Place Tagged	Date	Recapturer	Location	Length	Date
14	K Graf	Alpine, NJ	03/25/03	S Duenkel	Holgate, NJ	21	05/01/05
19	T Cannuli	Corson's Inlet, NJ	10/27/99	T Rotellini	Mays Landing, NJ		05/01/05
17	A Anderson	Thames R., CT	12/23/04	B Swanson	Norwich, CT	20	05/01/05
21	R Leja	Stratford, CT	10/13/03	F Kertesz	Beach Haven, NJ	26	05/02/05
19	A Messina	Cold Spring Hbr., NY	11/02/04	D Jones	Bridgeport, CT	21	05/02/05
17	A Anderson	Thames R., CT	01/10/05	J Somers	Matunuck, RI		05/02/05
25	D Casey	Bethany Beach, DE	10/20/04	D Collins	Indian R., DE		05/02/05
20	A Bencivenga	Raritan Bay, NJ	03/31/02	R Giasson	Keansburg, NJ	24	05/02/05
33	A Anderson	Block Is., RI	06/26/04	R Powers	Chesapeake Bay, MD		05/02/05
22	A Messina	Little Neck Bay, NY	09/26/02	J Leni	Throgs Neck Brdg., NY	27	05/03/05
23	J Della Porta	Nahant, MA	09/11/04	B Shillingford	Strathmere, NJ	24	05/03/05
19	A Anderson	Thames R., CT	12/12/04	J Lacouture	Charlestown, RI		05/03/05
29	J Della Porta	Lynn, MA	07/21/04	F Carver	Chesapeake Bay, MD	36	05/04/05
16	A Anderson	Thames R., CT	12/09/04	J Johnson E.	Matunuck Beach, RI	16	05/04/05
17	A Anderson	Thames R., CT	11/22/03	D Soule	Popham Beach, ME	20	05/05/05
13	G Rossi	East Pt., NJ	03/04/04	M Nelson	Nantuxent Cove, NJ		05/05/05
27	A Anderson	Block Is., RI	06/18/01	C Morton	Trenton Brdg., NJ	32	05/05/05
22	W Woodroffe	Ft. Tilden, NY	04/20/05	P Brown	Jamaica Bay, NY		05/05/05
25	P DiDomenico	Provincetown, MA	10/19/04	S McKenna	Wickford Hbr., RI	25	05/05/05
28	E Valli	Wellfleet, MA	05/20/04	L Bragdon	Indian R. Inlet, DE	29	05/05/05
21	L Vosseller	Harvey Cedars, NJ	11/19/04	H Ryan Jr.	Pawcatuck R., CT		05/06/05
37	P DiDomenico	Chatham, MA	08/11/04	D Beacham	Great Kills, NY	38	05/06/05
14	G Blank	New York Harbor	12/25/04	H Torres	Weehawken, NJ	14	05/06/05
17	A Anderson	Thames R., CT	01/03/04	F Maciel	Warren R., RI		05/06/05
26	J Della	Porta Lynn, MA	07/27/04	D Luoma Jr.	Cape Cod Canal, MA	27	05/06/05
40	R Kyker	Stamford, CT	06/19/02	J Conway	Breezy Pt., MD	43	05/06/05
17	J Francesconi	Piermont, NY	04/18/04	D Howard	Quogue, NY	18	05/06/05
16	A Anderson	Thames R., CT	12/08/04	C Sheeley	Groton, CT		05/07/05
16	A Anderson	Thames R., CT	11/16/04	E Evans	Newport, RI		05/07/05
21	D Kelly	Orient Pt., NY	10/09/03	M Iannacone Jr.	Reeds Beach, NJ	24	05/07/05
20	F Jessup II	Westhampton Beach, NY	11/23/04	D Sharp	Ship Bottom, NJ	22	05/08/05
21	J Della Porta	Swampscott, MA	08/04/04	L Sehnal	Raritan Bay, NJ		05/08/05
15	H Sweet	Providence, RI	09/30/02	M Tappero	Charlestown, RI	24	05/09/05
20	J Matzinger	Jones Inlet, NY	12/04/03	T McGlynn	Beach Haven, NJ	23	05/09/05
20	G Blank	Rockaway, NY	11/04/04	M Viola	Jamaica Bay, NY	20	05/10/05
32	J Millevolte	Montauk, NY	05/25/03	R Whetzel	S of Smith Pt., VA	36	05/11/05
16	D Sanford	Gaspee Pt., RI	04/29/05	G Matteson	Gaspee Pt., RI	16	05/11/05
23	G Kerghan	Long Branch, NJ	11/03/04	R Decker Jr.	Norrie Pt. St. Pk., NY		05/11/05
23	E Rapoza	Barrington, RI	07/14/04	W Gallant	Barrington, RI		05/11/05
19	A Schweithelm	Northport, NY	04/08/01	J Butler	Lexington Park Ridge, MD	26	05/11/05
24	J Pickering	Providence R., RI	03/20/03	M Clement	1 mi. N Kingston, NY	28	05/12/05
15	D Sanford	Gaspee Pt., RI	04/19/05	G Matteson	Gaspee Pt., RI	16	05/12/05
27	P DiDomenico	Chatham, MA	10/06/04	B Keller	Surf City, NJ	28	05/12/05
26	J Pickering	Providence, RI	12/26/04	B Trombley	Pawtucket, RI		05/12/05
34	R Kyker	Westport, CT	08/16/03	C Shelton	James Is., MD	37	05/12/05
15	H Sweet	Warren, RI	07/12/04	P Sauvageau	Providence R., RI		05/13/05
22	G Nigro	Leonardo, NJ	11/10/04	W Duprey	Staatsburg, NY	22	05/14/05
31	M Strober	Rikers Is., NY	11/04/01	W Quentin	East R., NY	33	05/14/05
37	D Kelly	Orient Pt., NY	06/30/04	B Truax	Pt. Lookout, MD		05/14/05
21	E Rapoza	Warren, RI	05/26/04	N Shmaruk	Narrow R., RI	24	05/14/05
30	B Rhodes	Westerly, RI	06/26/04	C Carlson	Raritan Bay, NJ	33	05/14/05
24	J Micinillo	Westport, CT	07/05/04	H Leemann	East R., NYC	24	05/14/05
18	A Schweithelm	Asharoken, NY	06/17/03	A Schweithelm	Northport, NY	24	05/14/05
18	J Murphy	Newport, RI	06/22/03	B Gabler	Little Egg Inlet, NJ	21	05/14/05
33	S Jakubowski	Robins Reef Lt., NY	05/28/04	A Nowalsky	Little Egg Inlet, NJ	34	05/15/05
25	S Tombs	Matunuck, RI	10/08/04	J Jasterzbski	Sandy Hook, NJ	28	05/15/05
18	A Schweithelm	Eatons Neck, NY	05/04/05	T Marburger	Northport, NY	18	05/15/05
16	M Simmons	Barnegat Lt., NJ	11/11/01	M Alpert	Pt. Pleasant Canal, NJ	27	05/15/05
15	G Blank	New York Harbor	12/06/04	R Morel	Beacon, NY		05/15/05
15	B Richards	Narragansett, RI	10/16/04	B White	Wakefield, RI	17	05/15/05
30	A Anderson	Montauk Pt., NY	10/18/03	M Colon	Verrazano Brdg., NY		05/15/05
19	A Anderson	Thames R., CT	11/30/03	S Alm	Kingston, NY	22	05/15/05
19	E Rapoza	Barrington, RI	06/25/04	W Gallant	Barrington, RI	22	05/16/05
35	P DiDomenico	Chatham, MA	07/27/04	S Oursler	Chesapeake Bay, MD		05/16/05
19	H Sweet	Warren, RI	10/19/01	G Wetmore	Westport, CT	26	05/16/05
33	B Shillingford	Ludlam Bay, NJ	11/10/03	E Silcox	Taony Palmyra Brdg., PA	35	05/17/05

Species	Length	Tagger	Place Tagged	Date	Recapturer	Location	Length	Date
24	S Kellner		Mattituck, NY	08/01/03	M Pedro	Manhasset Bay, NY	30	05/17/05
17	A Anderson		Thames R., CT	12/05/04	J Sayre	Martha's Vineyard, MA	18	05/17/05
17	A Anderson		Thames R., CT	12/23/03	M Hertz	North R., Norwell, MA		05/18/05
30	A Anderson		Block Is., RI	07/06/01	C Perkoski	Rocky Hill, CT	36	05/18/05
19	P Grippio		Jones Inlet, NY	11/23/04	A Moore	Newburgh, NY	20	05/18/05
31	S Jakubowski		Old Orchard Lt., NY	05/15/01	T Kerr	3 mi. W Tangier Is., MD	38	05/18/05
22	A Anderson		Thames R., CT	12/30/04	W Wood	Martha's Vineyard, MA	25	05/18/05
19	L Vosseller		Loveladies, NJ	12/04/03	G Johnson	Staatsburg, NY		05/18/05
16	A Anderson		Thames R., CT	12/08/04	T Murray	Pleasant Bay, MA		05/18/05
24	A Anderson		Block Island, RI	06/30/02	A Arsenault	Cape Cod Canal, MA	32	05/19/05
16	A Anderson		Thames R., CT	11/26/04	S Fontanella M.D.	Provincetown, MA		05/19/05
37	C Wahl Jr.		Chatham, MA	08/25/04	R Dumont	Chesapeake Beach, MD	38	05/19/05
33	C Brittingham		Chester Is., NJ	03/24/04	B Moody	Martha's Vineyard, MA	33	05/19/05
16	H Sweet		Warren, RI	07/15/03	F Maciel	Warren, RI		05/19/05
26	T Leonardis		Sea Isle City, NJ	06/27/04	J Farley	Atlantic City, NJ	27	05/20/05
19	R Pearson Jr.		Croton Bay, NY	04/06/05	R Leja	Bridgeport, CT	21	05/20/05
17	A Anderson		Thames R., CT	12/31/04	S Gensler	Provincetown, MA	18	05/20/05
20	A Anderson		Thames R., CT	11/24/03	E Matteson	Providence, RI	24	05/20/05
20	A Perednia		East R., NYC	10/25/98	B Wolfman	Stepping Stone Lt., NY	30	05/20/05
16	J Francesconi		Piermont, NY	03/29/05	D Ingraham	Esopus flats, NY		05/21/05
17	G Blank		New York Harbor	11/04/04	D Lynch	Bayonne, NJ	17	05/21/05
21	A LoCascio		Pt. Washington, NY	11/05/98	W Quentin	Little Neck Bay, NY	30	05/21/05
33	P DiDomenico		Chatham, MA	08/19/04	P Regula	Sandy Hook, NJ	35	05/21/05
32	J Coutsouradis		Throgs Neck Brdg., NY	05/07/04	J Coutsourdis	Ft. Totten, NY	33	05/21/05
19	A Moore		Newburgh, NY	05/06/99	J Beaver	Flynn's Knoll, NJ	28	05/21/05
32	C Wahl Jr.		Chatham, MA	09/13/04	D Handy	Henry Hudson Pk., NY	35	05/21/05
23	F Tenore Jr.		Raritan Bay, NJ	06/11/03	B Law	Keansburg, NJ	28	05/21/05
24	S Fries		Rockaway Reef, NY	06/05/01	D Martin	Providence Pt., RI	36	05/21/05
14	B Shillingford		I.C.W., Ocean City, NJ	10/28/02	B Greinke	N. Philadelphia, PA	25	05/21/05
26	R Busch		Merrimack R., MA	07/24/04	D Burgus	City Is., NY	30	05/21/05
30	S Hartmann		Eatons Neck, NY	06/19/02	J Verbanic	Derby, CT	33	05/21/05
24	A Lula		Salisbury, MA	07/09/03	F Balbino	Sandy Hook, NJ	28	05/22/05
34	E Petronio Jr.		Block Is., RI	08/04/04	R Ruggiero	Great Kills, NY	38	05/22/05
22	L Vosseller		Harvey Cedars, NJ	12/09/04	J Malarchuk	Mouth of Catskill Cr., NY	24	05/22/05
24	D Casey		Bethany Beach, DE	03/31/05	D Casey	Bethany Beach, DE	25	05/23/05
36	J Foti		Great Kills, NY	05/10/03	T Murphy	1/2 mi. S Verrazano Brdg., NY	36	05/23/05
24	G Nigro		Leonardo, NJ	11/10/04	A Campbell-Minton	West Bank Lt., NY		05/23/05
19	J Pickering		Providence, RI	10/02/03	D McGowan	Morrisville, NJ	25	05/24/05
15	T Burden		Ocean City, NJ	09/25/04	F Wedemeyer	Shark R., NJ	15	05/24/05
31	M Strober		Hell Gate, NY	11/09/03	R Roth	East R., NYC		05/25/05
16	D Casey		Bethany Beach, DE	03/31/05	D Casey	Bethany Beach, DE	19	05/25/05
17	A Schweithelm		Eatons Neck, NY	11/10/04	A Schweithelm	Northport, NY	17	05/26/05
19	H Sweet		Warren, RI	08/10/04	F Maciel	Warren R., RI		05/26/05
21	H Sweet		Warren, RI	08/09/04	F Maciel	Warren R., RI		05/26/05
18	S Marti		Harvey Cedars, NJ	11/18/04	D Scotland	Fall River, MA	22	05/26/05
36	J Matzinger		Jones Inlet, NY	11/02/04	R Spinelli	West Bank Lt., NY	39	05/27/05
20	A D'Amato		Cape May Inlet, NJ	05/14/04	J Lagrosa	Island Beach St. Pk., NJ	24	05/27/05
26	G Blank		Hell Gate, NY	11/21/03	H Leemann	East R., NYC	31	05/27/05
35	P DiDomenico		Chatham, MA	08/11/04	B DiBernardo	Long Beach Is., NJ		05/27/05
23	E Pax		Sandy Hook, NJ	10/30/04	D Gent	Weekapaug Beach, RI	24	05/27/05
20	B Martin		Trenton, NJ	06/08/04	J Senior	Trenton, NJ	26	05/27/05
27	C Bellinzoni		Jones Inlet, NY	06/04/04	J Lindner	Meadowbrook Brdg., NY	29	05/27/05
25	R Leja		Bridgeport, CT	07/15/04	M Lundvall	Fairfield, CT		05/27/05
21	M Strober		Bay Ridge flats, NY	11/30/04	J Leyba	Esopus, NY	21	05/28/05
19	J Francesconi		Piermont, NY	04/09/05	D Gent	Weekapaug Beach, RI	20	05/28/05
22	J Della Porta		Swampscott, MA	09/21/04	T Corley	Massapequa, NY	25	05/28/05
23	D Sanford		Gaspee Pt., RI	05/04/05	M Cannon	Pt. Jefferson, NY	23	05/28/05
29	P Grippio		Montauk Pt., NY	07/27/03	J Murphy	Montauk, NY	38	05/29/05
19	G Blank		East R., NYC	10/16/04	B Clark	Rye, NH	21	05/29/05
26	F Stunkel		Eatons Neck, NY	07/17/03	E Echevarria	Perth Amboy, NJ	31	05/29/05
38	S Jakubowski		Sea Bright, NJ	11/19/04	D Biddle	W. L.I. Sound, NY	34	05/29/05
25	G Berthel		Secaucus, NJ	10/24/03	T Murphy	Newark Bay, NJ		05/29/05
27	S Hartmann		Eatons Neck, NY	11/09/03	J Feltoovich	Derby, CT		05/29/05
14	A Anderson		Thames R., CT	11/15/02	E Davis	Norwich, CT	19	05/29/05
12	D Sanford		Gaspee Pt., RI	04/19/05	M Mroczka	Ballston Beach, MA	12	05/30/05
26	A Messina		Little Neck Bay, NY	10/09/02	A Martin	Sandy Hook, NJ	28	05/30/05

Species	Length	Tagger	Place Tagged	Date	Recapturer	Location	Length	Date
30	W Potok		Ocean City, NJ	11/11/04	R Guzzett	Bug Lt., DE Bay	30	05/30/05
28	A Anderson		Block Is., RI	05/28/05	K Nelson	Connecticut River	29	05/30/05
25	B Albano		Scarborough St. Beach, RI	09/10/04	R Lema	Potters Pond, RI	25	05/30/05
20	P Grippo		Freeport, NY	07/16/04	T Huebner	Oyster Bay, NY	22	05/30/05
34	A Anderson		Block Is., RI	06/16/04	F Westcott	S of Charlestown, RI	36	05/31/05
28	R Stoebel		Stamford, CT	06/03/04	A Rowe	Stamford, CT	30	05/31/05
21	P DiDomenico		Eastham, MA	05/11/05	R Townsend	Newburyport, MA	21	05/31/05
14	J Richards		Norwich, CT	03/13/05	D Sisson	Stonington, CT	16	05/31/05
25	T Rinaldi		Duck Pond Pt., NY	07/02/99	J Johnson	SW of Verrazano Brdg., NY	39	05/31/05
20	A Anderson		Thames R., CT	12/30/04	R Leclair	Kennebunkport, ME	21	05/31/05
19	A Weymouth		Falmouth, ME	05/31/05	B Buitenhuys	Falmouth, ME	21	06/01/05
19	D Hatten		Jamestown, RI	10/22/04	M Cash	Marblehead, MA	06/01/05	
12	D Sanford		Gaspee Pt., RI	04/30/05	A Rubin	Pleasant Bay, MA	06/01/05	
12	A Anderson		Pt. Judith, RI	05/26/05	J Meunier	Narragansett, RI	06/01/05	
26	P DiDomenico		Eastham, MA	05/10/05	K Joy	Wellfleet, MA	27	06/02/05
22	S Jakubowski		West Bank Lt., NY	11/14/02	F Blazich	Found at Southern Shores, NC	06/02/05	
24	R Conklin		Moriches Inlet, NY	06/20/02	W Post	Island Beach St. Pk., NJ	30	06/02/05
31	L Gonnello		Flynn's Knoll, NJ	05/18/05	A Ciecierski	Rockaways, NY	31	06/02/05
21	G Blank		East R., NYC	09/01/04	M Kimble	Raritan Bay, NJ	22	06/02/05
22	D Kelly		Orient Pt., NY	11/03/03	J Murry	Long Beach Is., NJ	25	06/02/05
31	B Shillingford		I.C.W. Ocean City, NJ	10/24/03	F Neuscheler	Robert Moses Brdg., NY	34	06/02/05
19	A Schweithelm		Eatons Neck, NY	10/05/04	R DiStasio	Westport, CT	06/03/05	
22	B Richards		Thames R., CT	12/18/04	G Theroux	Green R., CT	06/03/05	
21	D Casey		Bethany Beach, DE	10/22/04	D Casey	Bethany Beach, DE	22	06/03/05
24	J Della Porta		Lynn, MA	07/21/04	J Heald	Romer Shoal, NJ	28	06/03/05
18	A Anderson		Thames R., CT	12/18/04	B Buckley	Plum Is., MA	06/03/05	
24	S North		Island Beach St. Pk., NJ	12/04/04	G Fabiano	Chatham, MA	06/03/05	
20	D Wright		Ches. Bay Brdg. Tun., VA	11/23/04	D Gorman	Ocean City, MD	06/03/05	
23	R Kyker		Westport, CT	07/26/04	B Clark	Weekapaug Beach, RI	25	06/03/05
22	A Anderson		Thames R., CT	12/05/04	H Aubin	Quincy Bay, MA	23	06/04/05
29	B Shillingford		Strathmere, NJ	11/23/04	J Obin	Boston, MA	29	06/04/05
10	A Anderson		Thames R., CT	04/28/05	A Poole	Found, Osprey Nest, Westport, MA	06/04/05	
19	S Torpey		Sandy Hook, NJ	04/30/05	R Chiocca	Salisbury, MA	06/04/05	
37	S Jakubowski		Hoffman Is., NY	05/28/05	A Lewis	Raritan Bay, NJ	06/04/05	
12	A Anderson		Pt. Judith, RI	05/29/05	S West	Pt. Judith, RI	13	06/04/05
16	A Anderson		Thames R., CT	11/20/04	D Bixby	Chatham, MA	06/04/05	
30	G Nigro		Leonardo, NJ	11/07/04	J Lubertazzi Jr.	1/2 mi. off Sandy Hook, NJ	06/04/05	
17	R Stasinos		Stamford, CT	08/30/98	P Aluarado	Whitestone Brdg., NY	30	06/04/05
20	N Fiorillo Jr.		Deal, NJ	10/26/01	J Chmielewski	Riis Pk., NY	25	06/05/05
18	J Francesconi		Piermont, NY	03/26/03	C Stamm	The Battery, NYC	22	06/05/05
17	T Curtis		Penobscot R., ME	07/15/04	J Medeiros	Sakonnet Pt., RI	06/05/05	
16	L Duffly		Pt. Judith, RI	05/16/05	A Anderson	Potters Pond, RI	17	06/06/05
20	R Busch		Merrimack R., MA	07/17/04	C Slater, Ph.D	Haverhill, MA	23	06/06/05
28	S Hartmann		Eatons Neck, NY	09/12/02	R Castellano	Glen Cove, NY	32	06/06/05
30	R Nystrom		Stratford, CT	08/14/04	E Johnson	Mamaroneck, NY	32	06/06/05
23	B Shillingford		I.C.W., Strathmere, NJ	10/31/04	T Ryan	Breezy Pt., NY	06/07/05	
15	A Anderson		Thames R., CT	11/24/03	J Poissant	Westport R., MA	16	06/07/05
20	R Leja		Bridgeport, CT	08/23/02	S Bergman	Little Neck Bay, NY	25	06/07/05
20	A Schweithelm		Northport, NY	04/11/05	J Sewell	Smithtown, NY	06/07/05	
21	T Marburger		Northport, NY	12/02/04	D Ruckley	Plum Is., MA	24	06/07/05
20	T Marburger		Shinnecock Canal, NY	05/06/05	M Robertson	Barnegat Bay, NJ	23	06/08/05
16	A Anderson		Thames R., CT	12/08/04	F Casavant	Provincetown, MA	18	06/08/05
22	J Della Porta		Nahant, MA	09/15/04	M Bernstein MD	Montauk, NY	23	06/08/05
24	E Valli		Wellfleet, MA	05/18/05	C Mitchell	Newburyport, MA	06/08/05	
25	F Casey		Boston, MA	07/26/04	E Traniello	Boston, MA	27	06/08/05
26	G Blank		East R., NYC	10/25/03	E Pandolfi	Norwalk, CT	27	06/09/05
24	J Beaver		Flynn's Knoll, NJ	06/12/04	F Delmero	Flynn's Knoll, NJ	26	06/09/05
26	D Blinken		Gardiners Is., NY	07/17/04	C Elhoff	3 mi. E Fire Is. Inlet, NY	26	06/09/05
24	B Shillingford		Strathmere, NJ	05/22/05	L Miller Sr.	Strathmere, NJ	24	06/09/05
13	A Anderson		Thames R., CT	01/12/06	D Cross	Noank, CT	14	06/09/05
18	B Pearson Jr.		Croton Bay, NY	04/06/05	M Russo	Moriches Bay, NY	19	06/10/05
18	A Anderson		Thames R., CT	12/26/03	F Webber	Marston Mills, MA	22	06/10/05
23	F Stunkel		Stamford, CT	06/13/01	F Bova	Stamford, CT	32	06/10/05
20	T Deyesso		Mashpee, MA	10/14/04	M Taylor	S. Yarmouth, MA	22	06/10/05
22	M Strober		Rikers Is., NY	10/20/01	A Kapuse	Norwalk, CT	25	06/10/05
27	A Anderson		Block Is., RI	06/01/01	R Desbiens	Stonington, CT	34	06/11/05

Species

Length	Tagger	Place Tagged	Date	Recapturer	Location	Length	Date
30	C Brittingham	Chester Is., NJ	04/20/04	R O'Rourke	Martha's Vineyard, MA	33	06/11/05
17	G Blank	New York Harbor	12/05/04	P Belley	Merrimack R., MA	19	06/11/05
29	B Garrison Jr.	5 fathom Bk., Cape May, NJ	11/20/04	M Boston	Dover, NH	30	06/11/05
29	K Davies	Fire Is. Inlet, NY	05/21/05	S Kellner	Duck Pond Pt., NY	29	06/11/05
23	J Logan	Essex R., MA	08/08/04	B Petrusky	Essex, MA	27	06/11/05
19	A Anderson	Thames R., CT	12/16/04	D Oliveri	Barnstable, MA	23	06/11/05
24	G Nigro	Romer Shoal Lt., NJ	05/19/04	R Fitzgerald	Newark Bay, NJ		06/11/05
29	W Perlman	Rockaways, NY	07/14/03	R Templeton	Block Is., RI	31	06/11/05
23	S Torpey	Sandy Hook, NJ	04/30/05	G Nigro	Romer Shoal, NJ	23	06/11/05
24	R Lehman	Shinnecock, NY	07/20/04	R Yanule	Shinnecock Inlet, NY	28	06/11/05
30	A D'Amato	Cape May, NJ	11/10/04	N Mazzei	Larchmont, NY		06/12/05
20	S Torpey	Sandy Hook, NJ	04/30/05	G Sanford	Salisbury, MA		06/12/05
24	C Kennedy	2 mi. S Cape May Inlet, NJ	12/12/99	R Rinaldi	"The Race", L.I. Sound	31	06/12/05
23	R Kyker	Westport, CT	09/25/04	W Cash	Freeport, ME	25	06/12/05
16	A Anderson	Thames R., CT	12/11/04	W Bollier	Groton, CT		06/12/05
32	J Della Porta	Nahant, MA	09/27/04	S Mackell	Rollinsford, NH	34	06/12/05
27	D Kelly	Sag Harbor, NY	05/09/05	T Coleman	"The Race", L.I. Sound		06/13/05
17	A Anderson	Thames R., CT	12/31/03	R Mann	Salmon Falls R., ME	19	06/13/05
24	A Anderson	Block Is., RI	06/23/04	B Mancini	3 mi. E Waterford, CT		06/13/05
29	G O'Driscoll	Montauk, NY	10/12/04	G Anoa	City Is., NY	32	06/13/05
26	R Lehman	Shinnecock, NY	07/15/04	B Connor	Shinnecock Bay, NY	29	06/13/05
20	A Schweithelm	Eatons Neck, NY	11/10/04	T McConnell	Wellfleet, MA	20	06/13/05
27	G Blank	Gowanus Bay, NY	01/09/05	J Buonocore	Red Hook, NY		06/13/05
18	A Schweithelm	Eatons Neck, NY	11/06/04	J Mastropaolo	Smithtown, NY	21	06/14/05
18	A Anderson	Thames R., CT	01/10/05	R Lacroix	Salisbury St. Pk., MA	18	06/14/05
29	J Fitzpatrick	Montauk, NY	09/22/04	T Kelly	Fire Is. Inlet, NY	29	06/14/05
19	R Conklin	Moriches Bay, NY	10/05/01	J Demsheck	Moriches Bay, NY	25	06/14/05
24	J Conway	Delaware Bay	10/31/04	J Youst	Lower DE Bay	25	06/14/05
28	F Casey	Boston Hbr., MA	06/15/05	A Falco	Boston Hbr., MA	28	06/15/05
27	C Holyfield	The Race, L.I. Sound	05/06/02	F Smidt	Plum Is., NY	34	06/15/05
18	A Anderson	Thames R., CT	12/19/04	L Miller Jr.	Race Pt. Lt., MA	19	06/15/05
18	G Blank	New York Harbor	11/09/04	R Ferreira	Nantucket Is., MA		06/15/05
24	R Nystrom	Fairfield, CT	06/30/01	P Aprea	Throgs Neck Brdg., NY	29	06/15/05
10	M Hebert	Thames R., CT	04/29/05	O Kutty	Pawtucket, RI	10	06/15/05
23	P DiDomemico	Wellfleet, MA	06/06/05	W Clews Jr.	Merrimack R., MA	24	06/15/05
22	J Beaver	Flynn's Knoll, NJ	06/14/04	R Kahn	Atlantic Highlands, NJ	24	06/15/05
24	D Kelly	Sag Harbor, NY	05/30/05	C Azzara	Orient Pt., NY		06/15/05
38	T Sanders	Patuxent R., MD	04/30/05	O Estrada	Pt. Judith, RI		06/15/05
19	E Valli	Wellfleet, MA	05/19/05	E Stebbins	Barnstable Hbr., MA		06/15/05
22	C Holyfield	The Race, L.I. Sound	07/30/02	D Clark	Fishers Is., NY	30	06/15/05
32	J Matzinger	Montauk, NY	09/16/04	R Fitting	Great Kill, NY	32	06/16/05
22	W Woodroffe Sr.	Ft. Tilden, NY	05/10/05	C Frankiewicz	N Monomay Is. flats, MA	24	06/16/05
17	A Anderson	Thames R., CT	01/04/05	S Collins	Portsmouth, NH		06/16/05
24	R Busch	Merrimack R., MA	06/08/05	K Tan	Merrimack R., MA	25	06/16/05
32	R Nystrom	Bridgeport, CT	06/05/05	B Miller	Bridgeport, CT		06/17/05
25	R Locke	Provincetown, MA	06/24/02	D Lynch	Bourne, MA	29	06/17/05
34	T Burden	Montauk, NY	10/15/04	K Carrigan	Rockport, MA	34	06/17/05
29	C Wahl Jr.	Chatham, MA	07/04/04	S Olsen	Nauset Beach, MA	31	06/17/05
16	A Anderson	Thames R., CT	11/14/04	F Schouler	Nauset Inlet, MA		06/17/05
20	A Messina	Cold Spring Hbr., NY	11/10/04	V Lavino	Boston, MA	21	06/17/05
21	R McFarland	Hampton Bays, NY	05/24/04	R Yanule	Hampton Bays, NY	24	06/17/05
36	R Kyker	Westport, CT	07/28/03	M Johnson	Breezy Pt., MD	40	06/17/05
23	S Fries	Coney Is., NY	05/04/03	G Corsale	2 mi. E Montauk, NY	25	06/17/05
17	H Sweet	Warren, RI	07/23/04	B Mierzwinski	Barrington, RI	18	06/17/05
21	J Beaver	Flynn's Knoll, NJ	06/12/04	R Robinson Jr.	Coney Is., NY	22	06/18/05
24	B Shillingford	Strathmere, NJ	10/04/04	M Fodor	Tuckerton, NJ	27	06/18/05
27	M Sullivan	Shinnecock Bay, NY	06/10/05	S Barbato	Shinnecock Bay, NY	30	06/18/05
19	G Blank	East R., NYC	11/05/03	J Johnson	New York Harbor	22	06/18/05
17	H Blazer	Hog Is., VA	06/01/05	R Kavalkovich	Strathmere, NJ		06/18/05
12	A Messina	Cold Spring Hbr., NY	11/21/04	S Edwards	Narrow R., RI	12	06/18/05
13	D Sanford	Gaspee Pt., RI	04/19/05	D Hubbard	Kennebec R., ME	13	06/18/05
22	A D'Amato	Cape May, NJ	11/10/04	F Giacalone	1/2 mi. E Montauk Pt., NY	25	06/18/05
29	G O'Driscoll	Montauk, NY	10/12/04	D Roth	Mamaroneck, NY	33	06/18/05
15	A Anderson	Thames R., CT	12/12/01	J Gagnon	Kennebunk, ME	26	06/19/05
25	D Kelly	Orient Pt., NY	10/08/03	S Whitting	Montauk Pt., NY	29	06/19/05
20	P Mudrick	Sandy Hook, NJ	05/10/05	S Washburn	Marshfield, MA	22	06/19/05

Species

Length	Tagger	Place Tagged	Date	Recapturer	Location	Length	Date
18	E Mayer	Huntington, NY	06/07/05	R Gensel	Lloyd Neck, NY	18	06/19/05
19	D Kelly	Orient Pt., NY	11/11/03	F Golen	York Harbor, ME	23	06/19/05
28	A Lula	Salisbury, MA	06/15/05	B Brodette	Salisbury, MA		06/19/05
19	G Horvath	Barnegat Inlet, NJ	11/16/01	F Ruczynski	Stone Harbor, NJ	26	06/19/05
29	A Anderson	Block Is., RI	06/16/04	S Davis	Block Is., RI	30	06/20/05
31	S Lula	Salisbury, MA	07/02/04	C Jones	Haverhill, MA		06/20/05
34	D Smith	Jamestown, RI	06/07/03	B Silvia	Bristol, RI	37	06/20/05
15	D Blinken	3 mi. Hbr., E. Hampton, NY	05/24/04	M Hurley	Dock @ Gann Rd, E. Hampton, NY	19	06/20/05
17	T Marburger	Northport, NY	04/16/05	G Burke	Provincetown, MA		06/20/05
16	J Daly	Merrimack R., MA	06/07/05	B Eaton	Merrimack R., MA	17	06/21/05
18	D Kelly	Orient Pt., NY	10/21/99	M Nilio	Holgate, NJ	25	06/21/05
19	T Matraxia	Romer Shoal, NJ	04/20/05	E Cook	Cotuit, MA	20	06/21/05
21	M Simmons	Barnegat Lt., NJ	11/28/02	S Gutowski	Sandy Hook, NJ	26	06/21/05
17	B Richards	Matunuck, RI	04/23/05	R Schaad	"Head of Meadow", MA	18	06/21/05
15	R Gomolson	Strathmere, NJ	10/04/03	B Shillingford	I.C.W., Strathmere, NJ	18	06/21/05
30	R Busch	Merrimack R., MA	06/02/05	J Fenton	Plum Is., MA	32	06/21/05
35	S Jakubowski	West Bank Lt., NY	05/19/05	J Soderholm	W. Dennis, MA	35	06/22/05
16	A Anderson	Thames R., CT	11/22/04	C Knowlton	Newburyport, MA	16	06/22/05
27	P DiDomenico	Eastham, MA	05/21/04	N Blake	Winthrop, MA	28	06/23/05
21	J Logan	Essex, MA	09/05/04	N Nackley	Ipswich, MA	23	06/23/05
22	H Goldblum	Thomaston, ME	09/02/04	D Piragis	Salisbury, MA	25	06/23/05
21	G Nigro	Sandy Hook, NJ	11/01/01	L Nappo	Breezy Pt., NY	30	06/23/05
14	A Schweithelm	Northport, NY	08/28/03	A Schweithelm	Eatons Neck, NY	19	06/23/05
29	A Anderson	Block Is., RI	10/14/04	S Bryan	Newburyport, MA	29	06/23/05
28	D Paulick	Barnegat Inlet, NJ	11/02/04	J Combs	Montauk Pt., NY		06/23/05
22	A Moore	Newburgh, NY	05/17/05	R Stein	Newburyport, MA	24	06/23/05
34	B Shillingford	Ludlam Bay, NJ	11/01/03	Unknown Fisherman	Great Egg Inlet, NJ	35	06/24/05
16	H Sweet	Barrington, RI	06/08/05	G Thomas	Warren, RI	16	06/24/05
15	G Berthel	Secaucus, NJ	10/27/04	J Anderson	Portsmouth, RI	16	06/24/05
31	S Jakubowski	West Bank Lt., NY	05/24/01	J Courmoyer	SW Reef, L.I. Sound	39	06/24/05
19	J Karolidis	Danvers, MA	05/17/05	S Drew	Scarborough, ME	19	06/24/05
22	R Leja	Bridgeport, CT	06/29/03	T Dang	Saco R., ME	24	06/25/05
17	W Fischer	Delaware Bay, NJ	04/17/05	J DiLorenzo	Nonmouth Beach, NJ		06/25/05
24	R Busch	Merrimack R., MA	06/25/05	W Tozeski	Merrimack R., MA		06/25/05
33	J Della Porta	Nahant, MA	10/04/04	L Legere	Mouth of Merrimack R., MA	36	06/25/05
24	R Leja	Stratford, CT	10/18/04	J Spillane	Stratford, CT	25	06/25/05
24	J Casey	Spring Lake, NJ	06/12/05	J Sarian	Lavallette, NJ		06/25/05
22	H Sweet	Warren, RI	05/14/05	K Michin Sr.	Warwick, RI	22	06/25/05
15	A Anderson	Thames R., CT	11/30/04	R Tedder	Barnstable, MA		06/26/05
34	M Merrill	Hull, MA	08/23/04	C Thyng	Isle of Shoals, NH	34	06/26/05
22	R Leja	Bridgeport, CT	08/02/04	G Thivierge	West Haven, CT	24	06/26/05
15	D Sanford	Sabin Pt., RI	05/10/05	S Fisher	Warren, RI	17	06/26/05
18	A Anderson	Thames R., CT	12/29/04	S Patterson	Martha's Vineyard, MA	20	06/26/05
21	D Kelly	Sag Harbor, NY	06/02/05	J Palmer	Sag Harbor, NY	23	06/26/05
25	A Anderson	Thames R., CT	12/09/04	D Nevedomsky	Waterville, ME	26	06/26/05
21	A Anderson	Pt. Judith, RI	06/08/04	B Holdredge	Pt. Judith, RI	26	06/26/05
18	A Anderson	Thames R., CT	11/20/04	T Langevin	Merrimack R., MA		06/26/05
20	R Busch	Merrimack R., MA	06/25/05	K Gargan	Merrimack R., MA		06/26/05
31	D Sanford	Barrington Beach, RI	06/01/05	G Hoffer	Colt St. Pk., RI		06/26/05
20	M Simmons	Barnegat Lt., NJ	12/23/04	G Robertson	Stratford, CT	21	06/26/05
23	E Nocek	Raritan Bay, NY	11/10/02	D Margolin	Nantucket Is., MA	28	06/26/05
22	A Anderson	Thames R., CT	12/04/04	J Stoebe	Bath, ME	24	06/26/05
35	A Bencivenga	Raritan Bay, NJ	05/14/04	T Ouellette	Little Gull Is., NY	36	06/27/05
18	J Murphy	Phippsburg, ME	07/05/04	T Jones Ph.D.	Chesapeake Bay, MD	22	06/27/05
18	E Valli	Wellfleet, MA	06/08/04	T Gagnon	Newburyport, MA	22	06/27/05
16	A Anderson	Thames R., CT	12/18/04	M Sweeney	Old Lyme, CT		06/27/05
26	A Anderson	Thames R., CT	12/19/04	J Mondani	Nantucket, MA		06/27/05
19	B Shillingford	Strathmere, NJ	04/13/05	D Murray	Provincetown, MA	22	06/27/05
25	S Hartmann	Eatons Neck, NY	09/16/02	T Shaw	Clinton, CT	29	06/27/05
16	A Anderson	Thames R., CT	01/10/05	J Coffin	Harpwell, ME		06/28/05
17	E Valli	Wellfleet, MA	05/14/05	M Evans	Boston, MA		06/28/05
18	A Messina	Cold Spring Hbr., NY	09/20/03	R Souther Jr.	Plum Is., MA	22	06/28/05
22	A Anderson	Thames R., CT	12/23/04	M Fantigrassi	Pt. Jefferson, NY	25	06/28/05
17	G Blank	Piermont, NY	04/04/05	L Perez	58th St. pier, Bklyn, NY		06/28/05
21	F Ryan	Darien, CT	07/28/01	R Ringel	Sandy Hook, NJ	25	06/28/05
28	B Leary	Holgate, NJ	06/04/05	M Millman	Sandy Hook, NJ	30	06/28/05

Species	Length	Tagger	Place Tagged	Date	Recapturer	Location	Length	Date
	22	G Discala Jr.	Norwalk, CT	06/26/04	J Beaver	Flynn's Knoll, NJ	25	06/29/05
	17	A Messina	Cold Spring Hbr., NY	11/02/03	J McGee	East R., NYC	21	06/29/05
	26	R Busch	Merrimack R., MA	06/24/05	M McMahon	Merrimack R., MA		06/30/05
	18	S Lula	Salisbury, MA	07/22/04	J Drew	Quonochontaug, RI	20	06/30/05
	28	R Nystrom	Bridgeport, CT	09/15/03	D Petite	Bridgeport, CT	32	06/30/05
	21	A Anderson	Thames R., CT	12/04/04	B Raftery	Beverly, MA	23	06/30/05
	31	R Busch	Merrimack R., NJ	06/23/05	D Chouinard	Salisbury, MA	33	06/30/05
	14	B Richards	Block Is., RI	05/26/05	D Gambler	Block Is., RI		06/30/05
	34	F Urban	Sandy Hook, NJ	06/23/05	J Beaver	Sea Bright, NJ	35	06/30/05
	27	A Anderson	Block Is., RI	05/26/01	J Majoros	Shelton, CT	33	07/01/05
	17	A Anderson	Thames R., CT	12/31/04	G Khang	Plymouth, MA	18	07/01/05
	28	B Shillingford	I.C.W., Ocean City, NJ	10/17/03	R Belles	Portsmouth, NH	30	07/01/05
	20	A Weymouth	Portland, ME	07/10/04	J Denniston	Sea Girt, NJ	23	07/02/05
	26	A Anderson	Block Is., RI	05/28/05	J Wiza	1 mi. E Scituate, MA		07/02/05
	27	G Blank	East R., NYC	11/23/03	B Snyder	Sandy Hook, NJ	28	07/02/05
	27	T Cannuli	I.C.W., Ocean City, NJ	11/02/02	W Kucharski	Race Pt., MA		07/02/05
	20	G Nigro	Leonardo, NJ	11/17/04	D Casavillo	Oakwood, S.I., NY	21	07/02/05
	35	D Nova	VA Beach, VA	01/13/05	S Howell	Pt. Judith, RI		07/02/05
	31	J Kunicki	Absecon Inlet, NJ	06/29/05	F Hannum	Absecon Inlet, NJ		07/02/05
	17	R Busch	Merrimack R., MA	06/17/05	N Feccara	Newburyport, MA		07/02/05
	26	D Sanford	Gaspee Pt., RI	05/27/04	R Wilson	Androskoggin R., ME	30	07/02/05
	16	A Anderson	Thames R., CT	11/20/04	D LaRoche	Plum Is., MA	18	07/02/05
	29	G Nigro	Romer Shoal, NJ	06/14/03	C McKee	Chatham, MA	30	07/03/05
	20	P Grippo	Wantagh, NY	06/15/03	Unknown Fisherman	Wantagh, NY	24	07/03/05
	29	J Parzych	Holgate, NJ	10/02/04	R Sagedy	Island Beach St. Pk., NJ	29	07/03/05
	28	H Schauer	Martha's Vineyard, MA	05/28/05	W Gamash	Scarborough, ME	29	07/04/05
	18	D Sanford	Warwick Lt., RI	08/27/04	M Good	Warwick Neck, RI	18	07/04/05
	22	J Della Porta	Revere, MA	08/17/04	P Gutin	Martha's Vineyard, MA	24	07/04/05
	19	GS Gray	Charlestown, RI	05/11/05	P Bradshaw	Martha's Vineyard, MA	20	07/05/05
	21	B Shillingford	I.C.W., Strathmere, NJ	05/02/05	G Fagundes	Wells, ME	21	07/05/05
	17	R Busch	Merrimack R., MA	08/26/03	A Losanno	Saugus, MA	18	07/05/05
	24	J Ragusa	Fire Is., NY	11/10/04	D Fortier	"The Race", L.I. Sound	24	07/05/05
	19	A Messina	Cold Spring Hbr., NY	11/02/04	C Brouillette	Sandwich, MA	21	07/05/05
	27	J Karolides	Beverly, MA	07/12/02	J Gauvain	Beverly, MA	35	07/06/05
	23	B Garfield	Portland, ME	07/09/04	B Garfield	Portland, ME	25	07/06/05
	24	A Moore	Newburgh, NY	05/21/04	J Pimentel	Far Rockaway, NY	30	07/06/05
	17	C Brittingham	Chester Is., NJ	06/11/04	C Straubel	Indian R. Inlet, DE	20	07/06/05
	24	W Marker	Freeport, NY	06/18/05	F Carillo	Freeport, NY	24	07/06/05
	25	R Biagi	Greenwich, CT	10/21/04	E Poniros	Port Chester, NY	30	07/07/05
	15	B Richards	Norwich, CT	03/12/05	M Glavin	Newburyport, MA	16	07/07/05
	38	A Anderson	Thames R., CT	12/29/04	L Baker	Block Is. Sound	38	07/07/05
	27	R Busch	Merrimack R., MA	07/09/04	P Cellana	Salisbury, MA	30	07/07/05
	13	B Richards	Warwick, RI	05/12/05	B Koeniger	Warwick, RI		07/07/05
	24	G Kerkhan	Provincetown, MA	10/09/03	J Gallop	Kennebec R., ME	26	07/08/05
	11	A Anderson	Pt. Judith, RI	05/22/05	C Gauthier	Pt. Judith, RI	13	07/09/05
	25	J Ragusa	Fire Is. Lt., NY	11/25/03	H Chaves	Portsmouth, RI	30	07/09/05
	15	E Rapoza	Barrington, RI	07/01/05	F Perry	Barrington, RI	15	07/09/05
	30	M Garcia	Keyport, NJ	05/11/05	G LaFlamme	Block Is., RI	31	07/09/05
	27	A Anderson	Block Is., RI	05/27/05	T Francis	Boston, MA	30	07/09/05
	30	R Grobarz	Shrewsbury River, NJ	05/12/02	J Smith	Highlands Brdg., NJ	38	07/10/05
	18	A Anderson	Thames R., CT	11/27/04	B Wotherspoon	Portsmouth, RI	20	07/10/05
	25	G Blank	Gowanus Bay, Bklyn, NY	01/09/05	D Masse	Narragansett Bay, RI	25	07/10/05
	29	B Garfield	Portland, ME	07/06/04	B Garfield	Portland, ME	29	07/10/05
	20	J Beaver	Flynn's Knoll, NJ	06/14/04	R Seagren	Fire Is. Inlet, NY	23	07/10/05
	19	R Kyker	Stamford, CT	11/26/04	A Legendre	Hampton, NH	19	07/10/05
	25	D Sanford	Barrington Beach, RI	06/05/05	A Anderson	Block Is., RI	26	07/10/05
	16	A Anderson	Thames R., CT	11/27/04	F Perry	Barrington, RI	20	07/10/05
	28	R Moeller	Charlestown, RI	10/15/02	C Gosselin	Jamestown, RI	30	07/10/05
	21	H Schauer	Martha's Vineyard, MA	05/18/05	D Nash	Martha's Vineyard, MA		07/11/05
	16	G Blank	NY Harbor	11/02/03	S Richardson	Roosevelt Is., NY	18	07/11/05
	30	E Fiore	Great Kills, NY	05/12/04	B Welch	Kennebunk, ME		07/12/05
	26	J Della Porta	Lynn, MA	07/30/04	C Anders	Marblehead, MA	26	07/12/05
	14	A Anderson	Thames R., CT	04/22/05	C Carbone	W. Dennis, MA	14	07/12/05
	24	R Busch	Merrimack R., NJ	06/12/05	C Clark	Kennebec R., ME		07/12/05
	22	R Biagi	Greenwich, CT	09/01/01	J Cuevas	City Is., NY	30	07/13/05
	20	R Nystrom	Stratford, CT	04/09/04	A Richardson	Boothbay Hbr., ME	24	07/13/05

Species	Length	Tagger	Place Tagged	Date	Recapturer	Location	Length	Date
26	J	Murphy	Lower NY Bay	05/23/05	M Stifano	Sandy Hook, NJ	26	07/13/05
24	M	Sullivan	Shinnecock Bay, NY	06/10/05	P Luckhardt	Shinnecock Bay, NY	24	07/14/05
16	A	Messina	Little Neck Bay, NY	09/19/01	A Perez	Manhasset Bay, NY		07/14/05
38	A	Anderson	Block Is., RI	06/15/05	A Lallave	Montauk, NY	39	07/14/05
24	F	Fiolek	Darien, CT	07/10/05	G Wetmore	Norwalk, CT		07/14/05
24	R	Templeton	Pt. Judith, RI	08/05/04	T Sanford	Snug Harbor, RI	27	07/15/05
20	G	Blank	New York Harbor	12/02/04	K Richard	Salisbury, MA		07/15/05
33	S	Jakubowski	West Bank Lt., NY	05/16/04	G Corsetti Sr.	Block Is., RI	40	07/15/05
26	A	Messina	Cold Spring Hbr., NY	06/13/05	S Hassinger	Hatchett's Reef, CT	27	07/16/05
19	B	Gray	Charlestown, RI	05/10/02	T Ziobo	Watch Hill, RI	23	07/16/05
21	B	Richards	Norwich, CT	03/12/05	B Eller	Fishers Is., NY	25	07/16/05
20	E	Valli	Wellfleet, MA	05/13/05	T Ciulla	Gloucester, MA	21	07/16/05
22	R	Busch	Merrimack R., MA	06/23/05	F Turcotte	Merrimack R., MA	24	07/17/05
42	R	Wright	Cuttyhunk, MA	09/13/04	A Bunker	Quick's Hole, MA	42	07/17/05
22	D	Haines	Delaware Bay	10/25/03	E Avellez	Nissequoque R., NY	26	07/17/05
32	J	Della Porta	Lynn, MA	08/21/04	L Keefe	Lynn, MA	36	07/17/05
20	J	Della Porta	Lynn, MA	07/05/05	W Dwyer	Boston, MA	21	07/18/05
18	C	Carroll Jr.	Monmouth Beach, NJ	04/22/05	M Matthews	Saco R., ME		07/18/05
17	A	Schweithelm	Eatons Neck, NY	11/10/04	J Pilachowski	Westerly, RI	17	07/18/05
22	F	Stunkel	Stamford, CT	09/10/01	G Feighery	Stamford, CT	26	07/19/05
14	B	Richards	Narragansett, RI	04/20/05	D Poole	Sandwich, MA	14	07/19/05
25	A	Anderson	Block Is., RI	07/06/05	A Tingley	Block Is., RI		07/20/05
25	G	Horvath	Barnegat Inlet, NJ	11/21/04	M Dombek	Watch Hill, RI	31	07/20/05
29	W	Perlman	Rockaways, NY	10/23/02	M Alves	Prudence Is., RI	35	07/20/05
40	J	Angelini	Spring Lake, NJ	06/28/05	L Grassini	Block Is., RI		07/20/05
15	A	Anderson	Thames R., CT	12/23/04	D Terwilliger	Saco Bay, ME	16	07/20/05
18	R	Pearson Jr.	Breezy Pt., NY	10/27/04	J Gilmore	S. Gull Is., East R., NY	18	07/20/05
16	D	Sanford	Providence R., RI	05/02/04	M Merly	Bridgeport, CT	20	07/20/05
9	G	Horvath	Trenton, NJ	07/16/05	G Horvath	Trenton, NJ	09	07/20/05
23	R	Busch	Merrimack R., MA	07/08/04	B Hale	Plum Is., MA		07/21/05
29	A	Weymouth	Saco R., ME	06/23/05	J Garlo	Saco R., ME		07/21/05
25	G	Kerkhan	Provincetown, MA	10/14/04	C Deveneau	Newburyport, MA	28	07/21/05
23	B	Shillingford	Strathmere, NJ	10/19/04	D Mitchell	Strathmere Bay, NJ		07/21/05
14	G	Blank	New York Harbor	11/17/04	J Braydon	Found dead, Fairhaven, MA		07/21/05
22	T	Marburger	Shinnecock Inlet, NY	06/08/03	T Smith	Jamestown, RI	26	07/21/05
22	R	Busch	Merrimack R., MA	06/17/05	K Sundberg	Found dead at Plum Is., MA		07/21/05
18	T	Marburger	Northport, NY	01/31/05	B Saunders	Stony Brook, NY		07/22/05
22	J	Della Porta	Nahant, MA	09/23/04	J Flovett	Nahant, MA	26	07/23/05
20	A	Anderson	Thames R., CT	04/28/05	B Smith	Little Compton, RI		07/23/05
20	A	Anderson	Thames River, CT	03/26/03	R MacGregor	Dover Pt., NH	26	07/23/05
22	J	Logan	Essex, MA	06/19/05	J Logan	Essex, MA	22	07/23/05
35	F	Tellefsen	Princess Bay, NY	05/12/04	J Lewin	Hyannisport, MA	39	07/23/05
22	B	Sampson	Norwich, CT	12/17/04	B Read	Kennebunkport, ME		07/23/05
22	M	Simmons	Barnegat Lt., NJ	10/22/04	W Hughes	Ipswich, MA	24	07/23/05
24	E	Shea	Block Is., RI	06/09/05	W Hughes	Ipswich, MA	24	07/23/05
20	J	Francesoni	Piermont, NY	04/06/05	M LeBoeuf	Bristol, RI		07/24/05
24	D	Kelly	Orient Pt., NY	08/22/04	W Denning	Manhasset Bay, NY	26	07/24/05
31	G	Blank	East R., NYC	10/20/03	M Goodwin	Nantucket, MA	33	07/24/05
27	M	Strober	Governors Is., NY	05/22/05	M Koziol	Sugar Reef, RI		07/24/05
34	T	Hage	Montauk, NY	07/29/04	C Senior	Block Is., RI		07/25/05
12	A	Anderson	Pt. Judith, RI	05/30/05	S West	Pt. Judith, RI	12	07/25/05
17	G	Berthel	Seacaucus, NJ	04/01/04	J Roszel	Cape Cod Canal, MA	18	07/25/05
21	A	Anderson	Thames R., CT	12/11/04	J Cavaretta	Glen Cove, NY		07/25/05
18	B	Shillingford	I.C.W., Strathmere, NJ	10/24/04	B Garfield	Portland, ME	19	07/26/05
21	A	Schweithelm	Eatons Neck, NY	05/30/04	E Mayer Sr.	Huntington, NY	22	07/26/05
33	S	Jakubowski	Robins Reef Lt., NJ	05/28/04	M Parks	Old Saybrook, CT	38	07/27/05
22	T	Matraxia	Flynn's Knoll, NJ	06/14/01	L Giunta	Wellfleet, MA	41	07/27/05
15	B	Richards	Matunuck, RI	04/21/05	P George	Yarmouth, MA		07/27/05
37	C	Carroll Jr.	Verrazano Brdg., NY	05/21/04	M Sherer	Block Is., RI		07/28/05
23	G	Nigro	Rockaway, NY	08/16/02	M Czeslowski	Ocean Grove, NJ	28	07/28/05
43	D	Kelly	Orient Pt., NY	09/22/04	M Parks	Plum Gut, NY		07/29/05
19	A	Messina	Cold Spring Hbr., NY	11/02/03	D Soule	Popham Beach, ME	23	07/30/05
22	F	Laskowski	Bridgeport, CT	07/12/03	A Vazquez	Bridgeport, CT	31	07/30/05
32	S	Jakubowski	Old Orchard Lt., NY	05/11/05	W Harris	Mystic, CT	32	07/30/05
24	P	DiDomenico	Provincetown, MA	10/05/04	S Dundas	Fire Is., NY	24	07/30/05
38	J	Angelini	Spring Lake, NJ	06/28/05	L Guarino	Block Is., RI	38	07/30/05

Species	Length	Tagger	Place Tagged	Date	Recapturer	Location	Length	Date
29	R	Busch	Merrimack R., MA	06/05/04	V Lambert	Manchester, MA	34	07/30/05
25	R	Busch	Merrimack R., MA	06/22/05	J Barksdale	Merrimack R., MA		07/30/05
31	J	Beaver	Romer Shoal, NJ	05/22/05	L Van Meter	Monmoy Is., MA	35	07/30/05
26	J	Logan	Rockport, MA	07/04/05	K Hesel	Gloucester, MA	27	07/31/05
26	R	Rinaldi	Ambrose Chan., NY	11/09/99	B Lareau	Norwalk, CT	33	07/31/05
23	J	Jandinski	Watch Hill, RI	10/25/04	T Willard	Scarborough, ME	23	07/31/05
15	M	Hawkins	Ocean City, MD	08/30/03	T Hassenei	Ocean City, MD	21	08/01/05
27	A	Messina	Cold Spring Hbr., NY	06/11/05	M Teheyen	Montauk Pt., NY	29	08/01/05
27	J	Logan	Essex, MA	06/16/05	B Stickney	Essex R., MA	30	08/01/05
14	A	Anderson	Thames R., CT	11/25/02	R Desrosiers	Stratford Lt., CT	22	08/01/05
22	W	Marker	Atlantic Beach, NY	08/07/04	A Park	Wells, ME	24	08/01/05
34	R	Biagi	Greenwich, CT	06/24/05	R Biagi	Greenwich, CT	34	08/02/05
27	M	Sullivan	Shinnecock Bay, NY	06/17/05	R Yanule	Shinnecock Bay, NY	28	08/02/05
29	P	Grippio	Montauk Pt., NY	07/27/03	R Filler	4 mi. NE Montauk Inlet, NY	32	08/03/05
20	J	Scully	Prouts Neck, ME	07/29/05	G Paquette	Scarborough, ME	21	08/03/05
24	T	Marburger	Shinnecock Canal, NY	05/06/05	N Thomas	Scituate, MA	26	08/03/05
25	A	Lula	Salisbury, MA	06/15/05	M Tatro	Salisbury, MA	25	08/04/05
27	A	Anderson	Block Is., RI	10/14/04	T Baldwin	Billingsgate Shoal, MA	29	08/04/05
39	D	Kelly	Orient Pt., NY	08/03/04	B Anderson	Plum Gut, NY	43	08/04/05
27	J	Beaver	Flynn's Knoll, NJ	06/12/04	G Reis Jr.	Romer Shoal Lt., NJ	28	08/04/05
21	B	Garfield	Portland, ME	07/19/05	B Garfield	Portland, ME	21	08/05/05
20	R	Leja	Bridgeport, CT	05/11/05	R Leja	Bridgeport, CT	21	08/05/05
19	A	Schweithelm	Eatons Neck, NY	04/27/02	W Cisco	Glen Cove, NY	28	08/06/05
16	J	Fitzpatrick	Carman's R., NY	04/21/05	J Morales	Old Saybrook, CT		08/06/05
24	M	Sullivan	Shinnecock Bay, NY	06/17/05	J Smith	Sandy Hook, NJ	24	08/06/05
27	C	Gauthier	Greenwich Bay, RI	06/18/05	B Nolan	Narragansett, RI	28	08/07/05
20	A	Anderson	Thames R., CT	11/26/02	R Lopes	Portsmouth, RI	27	08/07/05
25	B	Thomas	Navesink R., NJ	05/15/05	G Rodrigues	Block Is., RI	26	08/10/05
37	S	Jakubowski	Hoffman Is., NY	05/28/05	C Barbour	Montauk, NY		08/10/05
26	R	Kondub	Stamford, CT	06/21/05	M Mortovell	Bridgeport, CT	28	08/10/05
23	B	Albano	Pt. Judith, RI	06/18/04	Unknown Fisherman	Pt. Judith, RI	26	08/11/05
42	P	DiDomenico	Chatham, MA	07/30/04	J Gaudet	3 mi. E Chatham, MA		08/11/05
34	S	Jakubowski	Hoffman Is., NY	05/28/05	H LeBlanc	Martha's Vineyard, MA		08/11/05
22	P	DiDomenico	Wellfleet, MA	05/13/05	J Cox	Scituate, MA	22	08/12/05
20	G	Blank	East R., NYC	09/01/04	T DiLernia	East R., NYC	23	08/12/05
17	A	Anderson	Thames R., CT	12/27/03	M LaChance	Niantic, CT	24	08/13/05
24	J	Logan	Essex, MA	08/13/05	R Parady Jr.	Rockport, MA		08/13/05
21	J	Logan	Essex R., MA	08/07/05	A Towle	Essex R., MA		08/14/05
23	A	D'Amato	Cape May, NJ	11/10/04	E Keegan	Mouth of Buzzards Bay, MA	25	08/14/05
24	C	Maxon	Boston, MA	08/03/05	R Stewart	Boston, MA	24	08/14/05
35	S	Jakubowski	Robins Reef Lt., NJ	05/28/04	J Gaudet	Martha's Vineyard, MA	36	08/14/05
22	J	Logan	Essex, MA	06/26/05	C Zarrella	Ipswich, MA		08/14/05
19	E	Rapoza	Barrington, RI	06/21/05	C Brown	Riverside, RI	19	08/15/05
22	M	Zachara	Bay Head, NJ	11/14/04	P Nicholls	Winthrop, MA		08/15/05
27	W	Marker	Jones Inlet, NY	11/14/04	M Parks	Niantic, CT	28	08/15/05
25	E	Valli	Wellfleet, MA	05/18/05	R Strong	Rockport, MA		08/16/05
34	P	DiDomenico	Chatham, MA	07/29/04	G Ramian	Chatham, MA	35	08/16/05
16	A	Anderson	Thames R., CT	11/23/04	R Souliere	Newburyport, MA		08/17/05
39	F	Urban	Sandy Hook, NJ	06/24/04	P Peecher	Block Is., RI		08/18/05
17	A	Anderson	Thames R., CT	12/09/04	T Lucy	Ipswich, MA	19	08/18/05
21	R	Busch	Merrimack R., MA	07/27/05	A Mantell	Kittery Pt., ME	22	08/18/05
30	G	Blank	Hell Gate, NY	10/17/04	C Clesler	Norwalk, CT		08/20/05
30	S	Fries	Ambrose Chan., NY	05/28/05	T Holway	Provincetown, MA		08/20/05
16	H	Sweet	Warren, RI	06/10/03	J Kourtesis	Riverside, RI	23	08/20/05
34	S	Jakubowski	Robins Reef Lt., NY	05/30/04	S Chabot	Block Is., RI	34	08/21/05
27	B	Garrison Jr.	5 Fathom Bk., Cape May, NJ	11/20/04	R Umanita	Merrimack R., MA	27	08/22/05
23	A	Anderson	Thames R., CT	01/02/04	A Cannelli	Clinton, CT	25	08/22/05
32	G	O'Driscoll	Penns Grove, NJ	04/04/03	E Olsen	Offshr., Mud Buoy, NJ		08/22/05
23	J	Lutz	Cape May, NJ	11/08/03	H Schultz	"Sow and Pigs" Reef, MA	27	08/22/05
13	R	Kyker	Norwalk, CT	07/13/04	B Wilcox	Westport, CT	18	08/23/05
24	R	Busch	Merrimack R., MA	07/02/05	T Tone	Nahant, MA	25	08/24/05
18	H	Sweet	Warren, RI	08/25/05	H Wheeler	New Meadows R., ME	21	08/24/05
24	J	Murphy	Sandy Pt., CT	09/01/01	J Wolczak	Clinton, CT	33	08/24/05
20	D	Sanford	Gaspee Pt., RI	04/30/05	B Jensen	New Meadows R., ME	21	08/24/05
26	R	Busch	Merrimack R., MA	07/01/05	N Brassard	Newburyport, MA	28	08/25/05
26	R	Lehman	Shinnecock, NY	07/20/04	P Strand	York Beach, ME	30	08/25/05

Species	Length	Tagger	Place Tagged	Date	Recapturer	Location	Length	Date
23	B	Garfield	Portland, ME	07/25/05	B Garfield	Portland, ME	23	08/27/05
19	B	Richards	Warwick, RI	05/13/05	R Baker Sr.	Fishers Is., NY		08/28/05
16	A	Messina Jr.	Little Neck Bay, NY	04/21/99	R Reinwald	Branford, CT	31	08/28/05
34	E	Fewtrell	Newburyport, MA	06/10/05	K Kraft	Gloucester, MA	38	08/29/05
23	T	Rinaldi	Cutchoque, NY	06/11/05	W Yackel	Matituck, NY	24	08/29/05
24	R	Busch	Merrimack R., MA	07/03/05	T Bushee	Merrimack R., MA	27	08/30/05
30	C	Wahl Jr.	Chatham, MA	07/20/04	S Williams	Kennebec R., ME	31	09/02/05
25	B	Garfield	Portland, ME	08/09/05	J Irish	Scarboro, ME	27	09/02/05
26	A	Anderson	Block Is., RI	07/31/05	K Dunton	Block Is. Sound, RI	26	09/02/05
27	G	Blank	Norton's Pt., NY	11/05/02	L Sosa	Pt. Lookout, NY		09/03/05
34	P	Grippio	Montauk Pt., NY	07/31/05	J Hunt	Montauk, NY	35	09/04/05
33	P	DiDomenico	Chatham, MA	09/03/04	M Chubb	Provincetown, MA		09/07/05
18	E	Valli	Wellfleet, MA	06/02/05	J McLellan	Pamet R., Truro, MA		09/07/05
23	J	Logan	Essex R., MA	08/07/05	W Burns	Salisbury, MA	25	09/07/05
34	M	Ross	Shrewsbury Rocks, NJ	06/13/04	R Longbottom	1/2 mi. SE Block Is., RI	36	09/07/05
24	A	Messina	Cold Spring Hbr., NY	07/19/05	R Bernhard	Sands Pt. Lt., NY	26	09/08/05
34	G	Blank	East R., NYC	11/14/04	J Bettencourt	Lynn, MA	37	09/08/05
21	M	Simmons	Barneget Light, NJ	11/25/97	D Marceau	Seekonk R., RI	40	09/08/05
25	D	Sanford	Gaspee Pt., RI	05/29/04	J Raminez	Montauk, NY	28	09/09/05
18	G	Berthel	Secaucus, NJ	10/09/03	J Kenney	Secaucus, NJ	21	09/09/05
20	M	Sullivan	Shinnecock Bay, NY	06/27/05	L Vetri	Shinnecock Inlet, NY		09/10/05
26	K	Dougherty	Tarrytown, NY	04/17/05	R Strong	Rockport, MA	27	09/10/05
16	A	Anderson	Thames R., CT	12/30/04	P Lawrence	E. Boston, MA		09/11/05
25	W	Marker	Jones Inlet, NY	11/14/04	M Buckley	Essex R., MA	28	09/11/05
36	S	Jakubowski	Robins Reef Lt., NY	05/31/04	P Pantaleone	Montauk, NY	45	09/11/05
18	T	Carroll	Flynn's Knoll, NJ	04/16/05	S Goldsen	Hampton Bays, NY	20	09/12/05
27	R	Wolfskeil	Plum Is., MA	09/12/04	J Parandes	Merrimack R., MA	29	09/13/05
38	G	Blank	Hell Gate, NY	06/10/02	J Lanouette	Clinton, CT		09/14/05
25	R	Nystrom	Stratford, CT	09/24/04	J Posh	Stratford, CT		09/15/05
17	K	Graf	Alpine, NJ	03/27/02	A Outeiral	Manhattan Beach, NY	27	09/15/05
32	T	Matraxia	Sandy Hook, NJ	06/03/04	C Roszkowski	Orient Pt., NY	35	09/17/05
22	B	White	Wakefield, RI	05/20/04	B Knapp	Lynnhaven Inlet, VA	23	09/17/05
23	R	Kyker	Westport, CT	08/23/04	D Holstein	East Haven, CT	24	09/18/05
29	J	Balicki	Island Beach St. Pk., NJ	12/14/04	K Waalewyn	Cape Ann, MA	32	09/18/05
32	S	Goode	Flynn's Knoll, NY 0	5/14/05	H McIntosh	Newport, RI	33	09/18/05
21	G	Blank	New York Harbor	11/25/02	J Avella	Hampton Bays, NY	30	09/19/05
23	D	Sanford	Sabin Pt., RI	05/26/05	G Owsenek	Montauk Pt., NY	24	09/19/05
24	D	Sanford	Gaspee Pt., RI	05/02/05	S Gentile	Watch Hill Reef, RI	27	09/20/05
14	D	Sanford	Gaspee Pt., RI	04/30/05	N Williams	Haverhill, MA		09/20/05
17	A	Perednia	East R., NYC	10/06/01	J O'Brien	W. Falmouth, MA	24	09/20/05
19	A	LoCascio	Little Neck Bay, NY	09/25/02	J Rimas	Seabrook, NH	26	09/21/05
40	D	Kelly	Orient Pt., NY	06/30/04	D Grant	Montauk, NY		09/21/05
25	M	Sullivan	Shinnecock Bay, NY	07/08/05	D Mann	Shinnecock Bay, NY	25	09/22/05
24	J	Crawson	Fire Is., NY	11/09/04	S Diaz	Sandy Hook, NJ		09/23/05
22	S	Torpey	Union Beach, NJ	04/21/04	L Karter	Kennebec R., ME		09/23/05
17	J	Pickering	Seekonk R., RI	06/08/03	D Pickering	E. Providence, RI	23	09/23/05
28	A	Anderson	Block Is., RI	07/19/05	J Lehman	Block Is., RI	28	09/23/05
35	S	Torpey	Raritan Bay, NY	05/17/05	K Court	Block Is., RI	37	09/24/05
20	R	Busch	Merrimack R., MA	07/26/04	J Lyons	Casco Bay, ME	22	09/24/05
36	T	McConnell	Staten Is., NY	05/23/05	R Taylor	Charlestown, RI		09/24/05
24	T	Matraxia	Romer Shoal, NJ	05/05/05	B Zehnder	Provincetown, MA	24	09/25/05
39	G	Buono	Noman's Land, NY	05/02/05	B Ahearn	Noman's Land, MA		09/25/05
40	R	Templeton	Block Is., RI	09/05/03	M Piserchia	Block Is., RI	41	09/25/05
36	T	Deyesso	Hull, MA	07/08/04	M Lees	Hingham, MA		09/27/05
26	H	Schauer	Martha's Vineyard, MA	09/28/05	J Williamson	Martha's Vineyard, MA	26	09/29/05
22	J	Della Porta	Nahant, MA	09/10/03	J Balicki	Sandy Hook, NJ	25	09/29/05
25	W	Marker	Jones Inlet, NY	11/14/04	G Sautter	Watch Hill, RI	25	09/29/05
21	G	Horvath	Barneget Inlet, NJ	07/09/02	P Hofmann	Island Beach St. Pk., NJ	33	09/29/05
16	A	Anderson	Thames R., CT	11/23/04	C Crue	Newburyport, MA		09/29/05
28	J	Beaver	Flynn's Knoll, NJ	07/07/05	B Youngquest	Croton Pt., NY		09/30/05
15	G	Blank	New York Harbor	12/04/04	J Ferraro	Tappan Zee Brgd., NY	18	09/30/05
20	J	Beaver	Flynn's Knoll, NJ	07/08/04	A Beneroff	Sandy Hook, NJ	25	10/01/05
34	F	Heal	Hoffman Is., NY	05/13/04	C Carbo	Old Saybrook, CT	36	10/01/05
24	B	Garfield	Portland, ME	08/24/05	B Garfield	Portland, ME	24	10/01/05
20	R	Leja	Bridgeport, CT	10/28/04	G Ribeiro	Westbrook, CT	20	10/02/05
21	S	Torpey	Sandy Hook, NJ	04/24/05	B Gennaco	Marblehead, MA		10/02/05

Species	Length	Tagger	Place Tagged	Date	Recapturer	Location	Length	Date
21	A	Piszczatowski	Glen Cove, NY	09/25/05	B Goodwin	Mattinecock Pt., NY	21	10/02/05
28	R	Busch	Merrimack R., MA	06/21/05	H Houlden	Sandwich, MA		10/03/05
23	B	Masse	Narragansett Bay, RI	06/24/05	U Fisherman	Block Is., RI	24	10/03/05
27	S	Jakubowski	West Bank Lt., NY	05/20/02	R Williams	Westerly, RI	30	10/04/05
14	S	Fries	Brooklyn Y.C., NY	09/10/05	C Negron	58th St. pier, Bklyn., NY	14	10/04/05
26	A	Schweithelm	Montauk, NY	09/17/05	F Goll	Block Is., RI		10/05/05
27	E	Feret	Jones Inlet, NY	10/27/04	L Pietraszek	Plymouth, MA	29	10/05/05
12	L	Duffy	Pt. Judith, RI	07/28/05	T Murphy	Central Beach, RI		10/06/05
40	F	Urban	Sandy Hook, NJ	06/02/05	M Terrier	"The Race", L.I. Sound		10/06/05
22	B	Shillingford	I.C.W., Strathmere, NJ	11/10/04	G Barber Jr.	Delaware Bay, NJ	22	10/07/05
16	J	Jandinski	Watch Hill, RI	10/29/02	R Eggert	Sandy Hook, NJ	25	10/07/05
21	J	Della Porta	Nahant, MA	09/23/04	A Ayres	Brigantine, NJ	22	10/08/05
16	G	Nigro	Leonardo, NJ	11/11/03	F Buehler	Browns R., Sayville, NY	21	10/09/05
18	J	Pickering	Providence, RI	12/19/04	J Szczoczarz	Providence, RI	20	10/09/05
21	R	Guttadauro	Staten Is., NY	11/24/02	B White	Staten Is., NY	26	10/09/05
27	A	Anderson	Block Is., RI	07/05/05	M Mouton	Block Is., RI	30	10/10/05
21	H	Sweet	Bristol, RI	05/27/05	D Pickering	E. Providence, RI	24	10/10/05
19	A	Anderson	Thames R., CT	12/21/03	J Johnson	New London, CT	31	10/10/05
20	W	Marker	Freeport, NY	07/24/05	S Cavolo	Jones Inlet, NY	21	10/11/05
26	C	Gauthier	Narrow R., RI	07/31/05	C Stockwell	Narragansett, RI		10/12/05
20	E	Petronio Jr.	Charlestown, RI	10/25/03	R Bauer	Bourne, MA	26	10/12/05
17	B	Blaney	Napeague Bay, NY	07/20/02	G Gerenza	Montauk Lt., NY	26	10/14/05
26	J	Della Porta	Lynn, MA	06/30/05	D Mullett	Nahant, MA		10/15/05
26	J	Della Porta	Lynn, MA	09/20/05	T Leureault	Mattapoisett, MA	26	10/15/05
23	D	Hatten	Jamestown, RI	07/15/04	R Johnsen	Orient Pt., NY	27	10/15/05
23	J	Fitzpatrick Ctr.	Moriches, NY	05/22/05	D Mullett	Nahant, MA		10/15/05
21	M	Simmons	Barnegat Lt., NJ	12/12/04	C Mason	Marblehead, MA	23	10/16/05
40	S	Gimbart	Raritan Bay, NJ	05/21/05	P Fleek	Waterford, CT		10/17/05
26	S	Jakubowski	Robins Reef Lt., NJ	11/18/03	B Atchinson	Troy, NY		10/18/05
26	R	Templeton	Block Is., RI	08/06/05	J Shea	Barnegat Bay, NJ	27	10/19/05
24	W	Marker	Jones Inlet, NY	08/20/05	P Folla	Sandy Hook, NJ	26	10/19/05
20	F	Jessup II	Westhampton Beach, NY	09/22/05	M Perry	Sandy Hook, NJ	21	10/19/05
33	W	Marker	Freeport, NY	10/13/04	P D'Andrea	Montauk, NY	34	10/20/05
27	A	Anderson	Block Is., RI	06/14/05	G Bossow	S. Seaside Pk., NJ		10/21/05
24	A	Anderson	Block Is., RI	06/21/05	R Robbins	Shrewsbury Rocks, NJ	25	10/21/05
18	J	Keulian	N. Wildwood, NJ	10/04/05	J Crimins	N. Wildwood, NJ		10/21/05
15	A	Messina	Cold Spring Hbr., NY	07/15/05	B Sklar	Cold Spring Hbr., NY	16	10/21/05
28	G	O'Driscoll	Penns Grove, NJ	05/03/05	J Dean	Cape May, NJ	30	10/21/05
24	W	Brett	Marshfield, MA	08/27/05	M Garry	Plum Gut, NY	27	10/22/05
35	B	Shillingford	Strathmere, NJ	11/05/03	G Balog	Sea Isle City, NJ	37	10/22/05
19	A	Teal	Keyport, NJ	04/20/02	H Sweet	Barrington, RI	27	10/22/05
21	G	Horvath	Barnegat Inlet, NJ	09/12/05	T Engel	Barnegat Inlet, NJ		10/22/05
13	G	Blank	New York Harbor	12/05/04	D Talerico	Secaucus, NJ	17	10/23/05
22	J	Beaver	Flynn's Knoll, NJ	07/07/05	J Hauselt	Raritan Bay, NJ	26	10/23/05
23	R	Lewis	Brigantine, NJ	11/07/03	J Kenney	Secaucus, NJ	24	10/23/05
22	G	Kerkhan	Sandy Hook, NJ	10/22/03	H Leemann	East R., NYC	24	10/23/05
24	D	Bryant	Eatons Neck, NY	07/29/05	R Guinn	Northport, NY		10/24/05
11	A	Messina	Cold Spring Hbr., NY	06/21/05	S Follett	Oyster Bay, NY1		02/25/05
24	J	Murphy	Lower NY Bay	05/23/05	J Pelligra	Manasquan R., NJ		10/26/05
25	G	Berthel	Secaucus, NJ	12/08/04	R Koeppe	Secaucus, NJ	25	10/26/05
18	D	Sanford	Prudence Is., RI	07/11/05	R Lynch	Greenwich Bay, RI		10/26/05
16	G	Blank	New York Harbor	11/18/04	C Cheng	Jersey City, NJ	18	10/26/05
17	M	Hawkins	Ocean City, MD	08/23/05	J Reider	Ocean City Inlet, MD		10/27/05
23	J	Francesconi	Piermont, NY	10/20/05	J Francesoni	Piermont, NY	23	10/27/05
26	L	Gonnello	Flynn's Knoll, NJ	06/10/04	J Preston Jr.	Keyport, NJ	28	10/27/05
22	G	Berthel	Secaucus, NJ	12/23/04	D Talerico	Secaucus, NJ	23	10/28/05
19	P	Johnson Sr.	South Shore, RI	06/19/05	K Ryan	St. George, S.I., NY		10/28/05
27	W	Marker	Freeport, NY	06/05/05	F Wertz	Massapequa, NY	30	10/28/05
23	GS	Gray	Charlestown, RI	05/21/04	D Coronese	Shinnecock Inlet, NY	26	10/29/05
18	D	Sanford	Green R., RI	10/09/05	D Sanford	Barrington Brdg., RI	18	10/29/05
15	R	Conklin	Moriches Inlet, NY	10/01/05	W Udell	Moriches Inlet, NY		10/30/05
22	J	Conway	Delaware Bay	12/20/04	L Arangio	Fortescue, NJ	23	10/30/05
22	D	Sanford	Gaspee Pt., RI	05/22/04	A Turtora	Freeport, NY	26	10/30/05
27	G	Blank	East R., NYC	11/15/04	P Hellmold	Hell Gate, NYC	29	10/30/05
16	G	Blank	New York Harbor	11/06/03	O Candelori	Beach Haven, NJ	25	10/30/05
22	P	DiDomenico	Wellfleet, MA	09/10/05	Q Holes	Watch Hill, RI	23	10/30/05

Species Length	Tagger	Place Tagged	Date	Recapturer	Location	Length Date
26	G Berthel	Secaucus, NJ	10/27/05	D Talerico	Secaucus, NJ	27 10/30/05
21	F Jessup II	Moriches Inlet, NY	11/08/01	J Lopez	Stonington, CT	10/30/05
27	D Kelly	Sag Harbor, NY	05/16/05	W Tranter	Sea Bright, NJ	27 10/31/05
36	W Marker	Freeport, NY	10/30/04	P D'Andrea	Montauk, NY	10/31/05
30	G Ministeri	Cape Cod Bay, MA	08/21/05	M Galvin	Jones Inlet, NY	31 10/31/05
18	H Sweet	Warren, RI	09/22/04	D Marceau	Providence R., RI	19 10/31/05
29	R Nystrom	Bridgeport, CT	06/23/02	L Piccione Jr.	Montauk, NY	41 11/01/05
32	W Marker	Freeport, NY	10/21/04	P D'Andrea	Montauk, NY	33 11/01/05
14	D Sanford	Gaspee Pt., RI	04/30/05	K Michin Sr.	Providence, RI	11/01/05
24	D Sanford	Prudence Is., NJ	07/11/05	W Anderson	Little Egg Inlet, NJ	11/02/05
22	E Rapoza	Barrington, RI	07/15/05	M Metcalf	Long Branch, NJ	11/02/05
16	H Sweet	Warren, RI	10/31/05	N Valles	Narragansett, RI	11/03/05
27	A Anderson	Block Is., RI	10/22/05	P Hoffmann	Ambrose Chan., NY	30 11/03/05
33	E Valli	Wellfleet, MA	06/07/05	R O'Rourke	Rockaways, NY	34 11/03/05
24	R Nystrom	Stratford, CT	08/26/02	J Rade	Montauk Pt., NY	31 11/03/05
17	D Taft	Oyster Bay, NY	10/27/05	J Relyea	Oyster Bay, NY	18 11/04/05
27	H Sweet	Prudence Is., RI	09/20/03	E Coleman	Sandy Hook, NJ	28 11/04/05
38	P Grippo	Montauk Pt., NY	10/02/04	R Byrne	Delaware Bay, NJ	41 11/04/05
22	D Kelly	Sag Harbor, NY	06/15/05	T Gibney	Sandy Hook, NJ	25 11/04/05
23	G Ottavio	Cape May, NJ	08/30/05	N Cuomo	Cape May, NJ	11/05/05
38	W Watts	Lloyd Pt., NY	06/22/04	W Franchi Jr.	Delaware Bay	41 11/05/05
23	D Kelly	Orient Pt., NY	09/14/05	K Dunton	Off Moriches Inlet, NY	24 11/05/05
24	R Leja	Stratford, CT	10/22/03	J Masci	Eatons Neck, NY	29 11/05/05
29	R Nystrom	Bridgeport, CT	06/13/05	J Pelligrino	Mattituck, NY	31 11/05/05
17	D Haines	Delaware Bay	10/18/03	F Walsh	Port Elizabeth, NJ	22 11/06/05
22	H Schauer	Martha's Vineyard, MA	10/07/04	J Rossi	Cranes Neck, NY	22 11/06/05
	R Pearson Jr.	Breezy Pt., NY	09/17/05	V Batista	Breezy Pt., NY	11/06/05
27	A Anderson	Block Is., RI	05/28/05	B Steadman	Island Beach St. Pk., NJ	27 11/06/05
25	G Ministeri	Cape Cod Bay, MA	09/10/05	K Riker	Moriches Inlet, NY	25 11/07/05
25	R Gross	Wellfleet, MA	05/28/05	B Wilsusen	Montauk, NY	26 11/07/05
15	G Berthel	Secaucus, NJ	04/12/03	R Koeppen	Secaucus, NJ	20 11/08/05
18	E Lapp	Brant Beach, NJ	12/05/01	W Sellon	Jerusalem, RI	28 11/08/05
17	F Stunkel	Darien, CT	08/12/04	C Kennedy	69th St. Pier, Bklyn., NY	11/08/05
24	G Ottavio	Cape May, NJ	09/28/05	B Murphy	Cape May, NJ	11/09/05
14	A Messina	Cold Spring Hbr., NY	07/23/03	A Messina	Cold Spring Hbr., NY	22 11/10/05
16	G Ottavio	Cape May, NJ	10/12/05	A Strunk	Cape May, NJ	11/10/05
17	G Ottavio	Cape May, NJ	10/17/05	J McBride	Millsboro, DE	11/11/05
14	G Blank	New York Harbor	11/09/03	H Leemann	Jersey City, NJ	18 11/11/05
26	A Anderson	Block Is., RI	06/21/05	P Groves	Block Is., RI	28 11/11/05
22	C Bellinzoni	3rd Wantagh Brdg., NY	06/10/05	P Folla	Flynn's Knoll, NJ	25 11/12/05
20	J Yamakaitis	Sandy Hook, NJ	04/20/02	W Conway Jr.	Navesink R., NJ	28 11/12/05
29	P Grippo	Montauk Pt., NY	07/17/04	A Lano	1 mi. E Cape Henlopen, DE	33 11/12/05
28	W Marker	Freeport, NY	10/29/04	G Bennett	Hempstead, NY	31 11/12/05
15	M Strober	Robbins Reef Lt., NJ	10/13/03	J Francesconi	Raritan R., NJ	20 11/13/05
39	J Della Porta	Marblehead, MA	09/08/05	E Storms	Delaware Bay	39 11/13/05
24	T McCandless	Jamestown, RI	08/18/02	B Schmidt	Sandy Hook, NJ	30 11/13/05
17	J Fitzpatrick	Moriches Bay, NY	07/02/05	G Forthofer	Reynold's Chan., NY	18 11/13/05
30	T Rinaldi	Cutchogue, NY	06/05/03	P Lowe	Beach Haven, NJ	34 11/14/05
16	A Messina	Cold Spring Hbr., NY	09/24/05	A Messina	Cold Spring Hbr., NJ	16 11/14/05
24	W Marker	Atlantic Beach, NY	07/04/04	J Cooke	Island Park, NY	30 11/15/05
26	J Matzinger	Jones Inlet, NY	12/09/04	J Mihale	Jones Inlet, NY	28 11/15/05
24	P DiDomenico	Orleans, MA	06/04/05	J Nier	Coney Is. flats, NY	11/15/05
28	S Hartmann	Eatons Neck, L.I., NY	09/24/00	S Jakubowski	Robins Reef Lt., NJ	30 11/16/05
18	A Schweithelm	Eatons Neck, NY	11/01/05	F Irwin	Sound Beach, NY	11/17/05
23	F Stunkel	Stamford, CT	06/20/05	F Stunkel	Stamford, CT	23 11/18/05
34	P DiDomenico	Chatham, MA	09/12/04	D Ruffini	Montauk, NY	11/18/05
24	D Kelly	Orient Pt., NY	09/30/03	L Sisco	Montauk Pt., NY	31 11/18/05
16	W Smagalski	Upper Hackensack R., NJ	11/08/00	G Berthel	Secaucus, NJ	26 11/19/05
24	R Nystrom	Stratford, CT	09/14/02	D Borrill	Off Saybrook Pt., CT	31 11/19/05
34	M Feaster	Brandywine, PA	11/12/05	C Rone	Delaware Bay, NJ	11/19/05
36	E Petronio Jr.	Block Is., RI	07/03/05	R Ahern	Delaware Bay	39 11/19/05
16	G Berthel	Secaucus, NJ	10/30/05	D Talerico	Secaucus, NJ	17 11/19/05
22	R Kyker	Westport, CT	08/20/05	J Long	Sea Bright, NJ	23 11/19/05
22	G Blank	East R., NYC	08/23/04	A Sarosy Jr.	Reynold's Chan., NY	26 11/19/05
27	R Templeton	Block Is., RI	07/03/04	D Mooney Jr.	Tottenville, NY	29 11/20/05
23	A Loye	Long Beach, NY	06/14/05	R Salt	Island Beach St. Pk., NJ	24 11/21/05

Species	Length	Tagger	Place Tagged	Date	Recapturer	Location	Length	Date
30	A	Fox	Avalon, NJ	10/13/04	B Beideman	Delaware Bay		11/22/05
20	A	Messina	Cold Spring Hbr., NY	07/19/04	A Greenspan	Island Beach St. Pk., NJ	24	11/23/05
31	E	Fiore	Great Kills, NY	05/12/04	M Bailey	Atlantic City, NJ	36	11/23/05
24	R	Busch	Merrimack R., MA	06/25/05	J Watters	Sheepshead Bay, NY		11/25/05
25	G	Horvath	Barneget Inlet, NJ	10/17/05	R Pancoast	Brigantine, NJ	25	11/25/05
22	R	Paganini	Long Beach, NY	11/21/04	M Levy	Atlantic Beach Brdg., NY	26	11/25/05
17	D	Kelly	Sag Harbor, NY	05/05/05	J Hooper Jr.	Weekapaug Beach, RI		11/26/05
22	D	Casey	Indian R. Inlet, DE	11/19/05	R Watson	Indian R. Inlet, DE	22	11/26/05
16	G	Ottavio	Cape May, NJ	08/24/03	B Everett	Delaware Bay	23	11/26/05
24	B	Shillingford	Strathmere, NJ	05/03/05	R Degrassi	S of Jones Inlet, NY	24	11/26/05
38	D	Kelly	Orient Pt., NY	07/19/05	P Tukey	Block Is., RI	38	11/26/05
24	R	Leja	Bridgeport, CT	08/16/01	J Murphy	Block Is., RI	32	11/26/05
21	G	Berthel	Secaucus, NJ	10/26/05	D Whiteman	Island Beach St. Pk., NJ		11/26/05
34	G	Berthel	Secaucus, NJ	10/13/04	G Berthel	Secaucus, NJ	34	11/26/05
22	L	Gonnello	Flynn's Knoll, NJ	06/28/05	R Kaminski	Sandy Hook, NJ	22	11/26/05
24	G	Berthel	Secaucus, NJ	11/19/04	G Berthel	Secaucus, NJ	26	11/26/05
19	D	Blinken	Promised Land, NY	07/10/03	K Smith	Island Beach St. Pk., NJ	24	11/26/05
17	D	Sanford	Providence, RI	12/16/04	R Biagi	Greenwich, CT	18	11/27/05
22	R	Maimone	Rye, NH	09/01/97	A Hodgson	Sea Bright, NJ	37	11/27/05
27	C	Brittingham	Chester Is., NJ	04/17/05	B Bittmann	Avalon, NJ	27	11/28/05
21	A	Moore	Newburgh, NY	05/12/04	J Furno	Sandy Hook, NJ	23	11/28/05
29	C	Carroll Jr.	Raritan Bay, NJ	06/18/05	W Reed	Shinnecock Inlet, NY	32	11/28/05
21	D	Kelly	Sag Harbor, NY	06/18/05	E Pavelec	Sandy Hook, NJ	23	11/28/05
15	B	Shillingford	I.C.W., Ocean City, NJ	08/23/03	B Alexander	Sea Isle City, NY	20	11/28/05
21	F	Casey	Boston, MA	08/04/05	S Belmonte	Fire Is. Inlet, NJ		11/29/05
22	P	Grippo	Jones Inlet, NY	11/18/05	R Nolan	Leonardo, NJ	22	11/30/05
21	R	Leja	Bridgeport, CT	07/03/02	J Lutsky	Montauk Lt., NY	32	11/30/05
14	H	Sweet	Warren, RI	08/18/05	R Barber	Narragansett, RI		11/30/05
21	E	Feret	Jones Inlet, NY	11/02/04	M Schroder	Moriches Inlet, NY	22	12/01/05
22	R	Kyker	Westport, CT	07/22/05	K Hollins	Seaside Pk., NJ	24	12/01/05
19	G	Blank	New York Harbor	11/07/04	C Faller	Island Beach St. Pk., NJ	21	12/01/05
21	A	Fox	Townsend Inlet, NJ	09/27/04	R Pruszyński	Asbury Pk., NJ	27	12/02/05
21	F	Stunkel	Eatons Neck, NY	11/04/05	A Ayres	Island Beach St. Pk., NJ	21	12/03/05
16	A	Schweithelm	Asharoken, NY	10/12/03	B Dougherty	Normandy Beach, NJ	21	12/03/05
18	R	Pearson	Riis Pk., NY	11/18/05	S Lewis	Ortley, NJ	18	12/04/05
20	M	Strober	Breezy Pt., NY	11/11/03	T McGlynn	Beach Haven, NJ	21	12/04/05
22	D	Sanford	Rocky Pt., RI	07/23/05	J Tomko	Island Beach St. Pk., NJ		12/04/05
29	D	Bryant	Eatons Neck, NY	08/21/05	R Wetzell	Atlantic City, NJ	31	12/05/05
20	D	Sanford	Barrington R., RI	11/04/05	M Ruotolo	Barrington R., RI		12/05/05
26	T	Marburger	Shinnecock Inlet, NY	07/26/05	M Byler	Indian R., DE		12/05/05
26	P	DiDomenico	Eastham, MA	05/11/05	R DelGiorno	Montauk, NY	26	12/05/05
18	A	Anderson	Thames R., CT	12/30/03	C Penza Jr.	Thames R., CT	19	12/05/05
23	D	Kelly	Orient Pt., NY	11/01/03	A Temperino	Plum Is., MA	24	12/06/05
16	T	Marburger	Northport, NY	04/16/05	H Blazer	Absecon Inlet, NJ		12/06/05
23	M	Sullivan	Shinnecock Bay, NY	06/10/05	K Everingham	Delaware Bay	24	12/07/05
14	S	West	Pt. Judith, RI	07/25/05	L Piasecki	Montville, CT		12/10/05
31	S	Jakubowski	Robins Reef Lt., NJ	06/02/04	H Cuje	Ches. Bay Brdg. Tun., VA	33	12/10/05
17	M	Strober Ft.	Tilden, NY	11/27/05	D Napravnik	Barneget Inlet, NJ	17	12/10/05
19	G	Kerkhan	Provincetown, MA	10/12/05	C Theodorellis	2-3 mi. E of Highlands, NJ	19	12/11/05
17	A	Messina Jr.	Cold Spring Hbr., NY	11/06/05	C Theodorellis	2-3 mi. E of Highlands, NJ	17	12/11/05
16	D	Sanford	Greenwich Bay, RI	10/20/05	J Ardito	Sea Bright, NJ		12/11/05
32	S	Jakubowski	Hoffman Is., NY	05/29/05	P Grippo	Montauk, NY	32	12/11/05
22	J	Della Porta	Lynn, MA	08/05/05	R Watson	Indian R. Inlet, DE	23	12/11/05
18	W	Smagalski	Upper Hackensack R., NJ	10/28/03	C Shapiro	Ambrose Chan., NY	21	12/13/05
27	A	Anderson	Block Is., RI	06/19/05	B Shillingford	Cape May, NJ	28	12/13/05
21	H	Sweet	Barrington, RI	06/06/05	P Mirao	Flynn's Knoll, NJ	24	12/14/05
17	A	Messina	Cold Spring Hbr., NY	10/28/05	P Genovese	Ortley Beach, NJ		12/14/05
30	B	Shillingford	Ludlam Bay, NJ	10/14/04	J Willess	Cape Henry, VA		12/14/05
24	F	Stunkel	Stamford, CT	11/21/05	A Zdanowski	1/2 mi. E Manasquan, NJ		12/15/05
20	D	Sanford	Greenwich Bay, RI	10/06/04	D Pickering	Providence R., RI	25	12/21/05
28	G	Berthel	Secaucus, NJ	12/08/04	R Koeppen	Secaucus, NJ	28	12/24/05
34	P	Grippo	Montauk Pt., NY	10/02/04	C Eure	Cape Henry, VA	37	12/26/05
38	S	Jakubowski	Robins Reef Lt., NJ	06/11/05	G Michael	1/2 mi. E VA/NC Border	38	12/27/05
15	L	Price	E. Orleans, MA	10/01/05	M Spontak	Island Beach St. Pk., NJ	15	12/28/05
	A	Schweithelm	Eatons Neck, NY	11/08/05	F Brown	Chesapeake Bay, VA		12/29/05
30	S	Jakubowski	West Bank Lt., NJ	05/28/05	J Lewis	15 mi. S Oregon Inlet, NC		12/30/05

Species	Length	Tagger	Place Tagged	Date	Recapturer	Location	Length	Date
Tautog								
13	M	Hawkins	4 mi. S Ocean City, MD	04/28/04	M Hawkins	4 mi. S Ocean City, MD	14	01/09/05
16	M	Hawkins	9 mi. E Ocean City, MD	12/05/04	M Hawkins	9 mi. E Ocean City, MD	16	01/09/05
12	M	Hawkins	9 mi. SSE Ocean City, MD	01/01/05	M Hawkins	9 mi. SSE Ocean City, MD	12	04/21/05
14	M	Hawkins	4 mi. S Ocean City, MD	04/21/05	M Hawkins	4 mi. S Ocean City, MD	15	04/28/05
14	M	Hawkins	9 mi. E Ocean City, MD	11/30/04	M Hawkins	9 mi. E Ocean City, MD	14	05/01/05
16	M	Hawkins	9 mi. E Ocean City, MD	12/05/04	M Hawkins	9 mi. E Ocean City, MD	15	05/01/05
14	M	Hawkins	9 mi. E Ocean City, MD	12/05/04	M Hawkins	9 mi. E Ocean City, MD	15	05/01/05
15	M	Hawkins	9 mi. E Ocean City, MD	11/30/04	M Hawkins	9 mi. E Ocean City, MD	15	05/01/05
14	M	Hawkins	9 mi. E Ocean City, MD	12/05/04	M Hawkins	9 mi. E Ocean City, MD	14	05/01/05
13	M	Hawkins	4 mi. S Ocean City, MD	11/22/04	M Hawkins	4 mi. S Ocean City, MD	13	05/04/05
11	M	Hawkins	4 mi. S Ocean City, MD	11/22/04	M Hawkins	4 mi. S Ocean City, MD	12	05/04/05
11	M	Hawkins	9 mi. SSE Ocean City, MD	01/01/05	M Hawkins	9 mi. S Ocean City, MD	12	05/05/05
15	M	Hawkins	9 mi. E Ocean City, MD	12/09/04	M Hawkins	9 mi. E Ocean City, MD	15	05/08/05
13	M	Hawkins	4 mi. S Ocean City, MD	01/09/05	M Hawkins	4 mi. S Ocean City, MD	13	05/08/05
12	M	Hawkins	9 mi. SSE Ocean City, MD	01/01/05	D Churchill	9 mi. S Ocean City, MD	12	05/13/05
12	M	Hawkins	18.5 SSE Ocean City, MD	05/12/04	M Hawkins	19 mi. SE Ocean City, MD	14	05/18/05
11	M	Hawkins	9 mi. E Ocean City, MD	02/09/05	M Hawkins	9 mi. E Ocean City, MD	12	05/26/05
13	M	Hawkins	8 mi. E Ocean City, MD	11/23/04	M Hawkins	8.5 mi. E Ocean City, MD	13	05/26/05
12	M	Hawkins	9 mi. E Ocean City, MD	11/30/04	M Hawkins	9 mi. E Ocean City, MD	13	05/26/05
13	M	Hawkins	4 mi. S Ocean City, MD	11/22/04	J Maffei Jr.	Cable Barge Wreck, MD	14	05/28/05
14	M	Hawkins	14 mi. E Ocean City, MD	05/09/05	M Hawkins	14 mi. E Ocean City, MD	13	06/02/05
15	M	Hawkins	9 mi. E Ocean City, MD	11/30/04	A Hoerner	Offshr., Ocean City, MD	15	06/10/05
9	J	Ponticorvo	Raritan Bay, NJ	09/22/04	S Miller	Highlands Reef, NJ	10	06/17/05
12	M	Hawkins	9 mi. SSE Ocean City, MD	01/01/05	B Craig	Offshr., N Beach Wreck, MD	12	06/19/05
11	M	Hawkins	9 mi. S Ocean City, MD	04/21/05	Capt. Jeff	9 mi. S Ocean City, MD	11	06/25/05
11	M	Hawkins	9 mi. S Ocean City, MD	04/21/05	Capt. Jeff	9 mi. S Ocean City, MD	12	06/25/05
12	M	Hawkins	18.5 SSE Ocean City, MD	05/12/04	M Hawkins	17 mi. SE Ocean City, MD	12	07/04/05
10	JC	Wright	Anglo-African Wreck, VA	04/28/05	JC Wright	Anglo-African Wreck, VA	10	07/05/05
15	J	Banks	8 mi. E Chincoteague, VA	06/08/05	M Barnes	Offshr., Chincoteague, VA	17	07/05/05
13	M	Hawkins	9 mi. E Ocean City, MD	04/21/05	J Maffei Jr.	4 mi. S Ocean City, MD	13	07/06/05
15	M	Hawkins	12.5 mi. SSE Ocean City, MD	05/11/05	F Denekas	Offshr., African Queen Reef, MD	15	07/07/05
11	M	Hawkins	10.5 mi. NNE Ocean City, MD	10/12/04	M Hawkins	14 mi. E Ocean City, MD	11	08/08/05
12	F	Robinson Jr.	Branford, CT	10/07/05	R Stark	1 mi. S Branford, CT	12	11/03/05
14	C	Miller	Garden State S Reef, NJ	12/04/04	W Wojcik	Garden State S Reef, NJ		11/21/05
13	C	Miller	Garden State S Reef, NJ	11/19/05	W Wojcik	Garden State S Reef, NJ		11/21/05
13	M	Hawkins	3 mi. SSE Ocean City, MD	11/11/05	M Hawkins	3 mi. S Ocean City, MD	13	12/22/05
15	M	Hawkins	3 mi. SSE Ocean City, MD	11/11/05	M Hawkins	3 mi. S Ocean City, MD	16	12/22/05

Weakfish

32	A	D'Amato	Cape May Inlet, NJ	05/29/05	K Heishman	Cape May, NJ	33	06/07/05
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Winter Flounder

11	E	Feret	Jones Inlet, NY	06/07/04	B Marcel	Jones Inlet, NY		06/03/05
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THE PAST MEETS THE FUTURE ON DELAWARE BAY

The Littoral Society seems to be developing a particular interest in marine life which has survived since the dinosaurs.

A decade of advocacy on behalf of the horseshoe crab (*Limulus polyphemus*) achieved a major milestone this year with the adoption of temporary moratoriums on harvesting the crabs for fishing bait on the Delaware Bay. The States of New Jersey and Delaware acted out of concern for the impact of reduced horseshoe crab populations on the survival of the red knot (*Calidris sp.*). Overharvesting of horseshoe crabs has diminished the spawning population, whose eggs provide the migratory red knot with an irreplaceable, high-energy food source on its trip to the Arctic to breed. The goal is to provide the horseshoe crabs with some breathing room to expand their spawning populations and increase the numbers of eggs on the beach – to the point where there is both a sustainable population and enough “surplus” eggs to meet the energetic needs of the birds.



An Atlantic sturgeon tagged off the North Carolina coast by the Maryland Department of Natural Resources.

One of the most engaging characteristics of the horseshoe crabs is that they have remained fundamentally the same for some 350 million years. Now the Society is beginning to work on another creature of the Delaware Bay, whose natural history parallels the horseshoe crab's, the Atlantic sturgeon.

The Atlantic sturgeon (*Acipenser oxyrinchus*) is frequently referred to as *the fish that swam with dinosaurs* because it has been swimming in coastal Atlantic waters from Canada to Georgia, including the Delaware estuary, for at least 70 million years. This anadromous bottom feeder can grow larger than 100 pounds and live as long as 60 years. Atlantic sturgeon exist in discrete genetic strains based on the river in which the fish spawn.

From American colonial times, the species supported a robust fishery which harvested and sold the fish for its flesh, oil, and eggs (caviar). By the 1920s, however, annual harvests were reduced by 90% from the peak harvests of nearly 7 million pounds around the turn of the century, due to overfishing and habitat destruction and degradation. By 1998, the stock was so depleted that the Atlantic States Marine Fisheries Commission implemented a management plan that included a 40-year total ban on the harvest of Atlantic sturgeon in Atlantic coastal waters. The species was considered for listing as a threatened or endangered species under the Endangered Species Act (ESA) but was not so listed.

The Society recently received a grant from the National Fish and Wildlife Foundation to study the Delaware Bay Atlantic sturgeon. Working with a local commercial fisherman, we will be catching and tagging fish this spring. The research will help define sturgeon numbers and figure out – through genetic testing – how many call the Delaware Bay home. In a nod to our technological culture, we will be radio-tagging female fish to help identify spawning grounds – with an eye toward protecting these areas for stock recovery. In all, the information gathered will add to the basic knowledge of the Atlantic sturgeon life histories – the newest chapter in a very long book.

Tim Dillingham

The Flying Mobulas of the Sea of Cortez

BY PAUL ALBERT

Not far from Cabo Pulmo, an unpaved road cuts its way along the eastern shore of the Sea of Cortez. Cows with prominent ribs and slow strides make way for the occasional truck. Along the road, the distance is marked by the appearance of an Ironwood tree and three or four cows lying in its slight shadow. Cardon cacti, tremendous thirty-foot towers of resilience, occupy the rest of the dirt and sand.

It is early April and my pickup has been spitting up earth for the last 25 miles. I turn the ignition off and wait for the dust to dissipate. It would have been easy to miss those tiny flashes of light in the cor-



Michael Albert

ner of my eye. And it would have been impossible to hear the faraway sound of sporadic clapping over the engine din. A couple miles out, one could not be quite sure what they are. Dolphins? Fish? One look through the binoculars and it is clear these were living things which I have never seen before. They are mobula rays.

There couldn't be more than 60 minutes of light left. My brother begins to set up

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camp while I scramble to unlash the kayak resting on the roof of my pickup. As my kayak arrows towards the activity, I grow anxious, willing the sun to stay up a just a bit longer. About half an hour later, I am paddling among them, in the middle of a pancake commercial, flapjack-like creatures tumbling over themselves, flying everywhere, some of them off in the distance, some only feet away. From the shore, which is now far away, the impromptu camp too small to be seen, you'd think there were a dozen, maybe twenty, but here, sitting on my kayak surrounded by them, it becomes immediately clear, there were hundreds.

And it isn't too long before I glance down and I am forced once again to revise upward my earlier figure. I look down into the plankton-rich green water and note that as far as I can see, the ocean is carpeted with the creatures, thick with black flesh. There they are, hundreds of them gliding in unison with each other, a parade of black kites.

Both mantas and mobulas are members of the Family Mobulidae, a group about which, very little is known. It is not uncommon to mistake mobulas for mantas. One researcher I spoke with was careful to make the distinction; another used the names interchangeably. Among many locals, this kind of distinction is all but ignored. Any of the four species of mobulas in the Sea of Cortez (*tarapacana*, *thurstoni*, *munkiana*, and *japanica*) along with the giant manta ray all go by a single name: *cubana*. It is not exactly the most delicate of nicknames; *cubana* means, literally, "Cuban." Apparently, the dark skin of mobulas and manta rays is reminiscent of members of the island-nation to the east.

Mantas, the most well known of which is the Pacific Manta Ray, can grow quite large; disc lengths have been measured at twenty-three feet. On the other hand, no mobula on record has ever exceeded ten feet. For this article, I showed the group of photos published here to three different research scientists. All agreed the pictures depicted a member of the genus mobula, but each thought it was a different species.

There are conclusive methods for distinguishing between different species of mobula; inspecting a photo, however, can perform few of them. Among some of the particularly nondescript varieties of mobula, size, shape, and coloration all tend to be different but never distinctly so. To be sure, there are distinguishing differences between species, but they are the kind that require an intimacy between observer and mobula not possible in the wild: examining whether the crown of teeth are smooth, having a look at the cranial nerves.

Knowing that this species of mobula have disc widths of little more than a meter does not help. Variations in disc

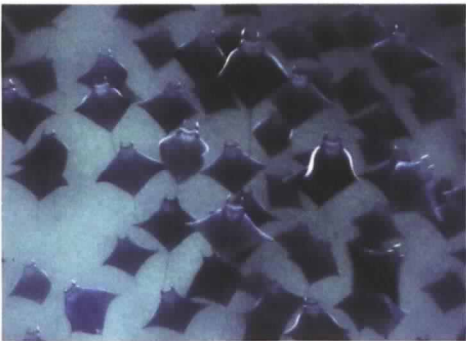


Michael Albert

mobula new to the scientific community: *Mobula munkiana* he called it. He tells me that fishermen local to Punta Arena de la Ventana (a region not far from where I first slipped my kayak into the Sea of Cortez) had long been familiar with these mobulas. When he was visiting Baja California, he noted that the fisherman called this species with the propensity for airborne flips, "tortillas."

Tortillas, he says, jump more frequently than other mobula, never grow larger than a meter and are more inclined to school. Notarbartolo di Sciara tells me he believes these photos to be of *Mobula munkiana*. It is "my best bet," he says.

Dr. Notarbartolo di Sciara's research has led him to believe that *munkiana* dines almost exclusively on a diet of Mysidium. Mysids are planktonic crustaceans. Dr. Carlos Villavicencio Garayzar, the director of the Elasmobranch Laboratory at the Universidad Autonoma de Baja California Sur sits in his office, the desert mountains outside his window. He does not speak with assurance about which kind of mobula eats which kind of food. He does suggest to me that mobulas, in general, tend to eat euphausiids or "krill." Winter conditions, he explains, particularly the kind found in the open water between Isla Cerralvo and San Jose del Cabo produce a boom of euphausiids. Instead of using teeth, mobulas have sophisticated filtering plates in their gills, which act as a sieve, trapping the tiny shrimp and shrimp-like creatures.



Michael Albert

width among different species can be slight: 300 centimeters. And who is to say that all these jumping mobula are not juveniles of some much larger species?

If I'm confused, I'm not alone. The science of naming mobulids has undergone substantial upheaval in the last few decades. In 1987, Italian scientist Dr. Giuseppe Notarbartolo di Sciara published research describing a species of



For some time now, the comings and goings of the mobula have remained something of a mystery. Why will a large school spend a couple days in one area, only to seemingly disappear for a few weeks, thereafter? Dr. Notarbartolo di Sciara has suggested these “pulses,” as he calls them, are due to the munkiana’s pursuit of *Mysidium*. Munkiana may be unique among mobulids because it seems to spend its summers in the northern part of the Sea of Cortez and its winters in the southern portion near Cabo Pulmo and its neighbor to the North, La Paz, where I am now. Notarbartolo di Sciara has proposed two competing explanations: it may be a function of competition for resources between munkiana and its larger cousins, or it could be a simple matter of chasing after the Mysids, going where they go.

Whoosh! Without warning, a mobula emerges from below the surface, its long flat body glistening in the evening light and whip for a tail trailing behind. Flap, flap, flap, maybe a somersault or two, and then smack! It happened again and again. Single flips. Straight-up belly flops. Double flips. I see a single mobula leap a few times in succession; others leap only once and then disappear. I witness mobulas partially emerging from the water, one third of the wingtip still immersed, and rotate around that tip. Sometimes, I don’t even see that. All that is visible is the swirl of water left behind. Notarbartolo di

Sciara writes that when he was in the Sea of Cortez some twenty years ago, he even observed triple flips. According to him, some mobulas leap at heights of up to two times their disc width or up to six feet high.

Breaching is a common behavior among mobulids; it is said to be exclusive to the smaller varieties. For those of us who have witnessed a mobulid’s sanguine underwater undulations, it may be hard to believe, but it would not have been uncommon long ago to hear tall tales of devil rays leaping out of the water and crashing through a ship’s hull.

At least in the popular press and on the Internet, there is no shortage of explanations for why mobulids jump. Such sources invariably begin, “Scientists think....” Turns out, none of the mobula experts with whom I speak offer any definitive explanation; few would even endorse one over another. Karey Kumli is a research associate at the Pacific Manta Research Group located at Santa Rosa Junior College. She cautions me not to



call any of the batch of current explanations theories; unsupported by evidence, they are, at best, opinions.

Is it to dislodge the parasite-cleaning remoras that attach to their backside? Is it some way of keeping fit, of practicing the underwater gathering of food? Could it be a form of play? What if jumping was a

form of cooperative hunting, a way of tricking vibration-wary mysids into migrating downwards and into the open mouths of other mobulas below?

I decide to speak with Keller Laros, a dive master based out of Hawaii. Laros created a “Manta Ray Specialty Course” for scuba divers. He has logged long hours underwater observing Pacific Manta Rays, the largest of munkiana’s mobulid cousins. According to him, the smaller manta ray’s out-of-water acrobatics is not unlike its feeding behavior below the surface. Underwater, mantas have been observed doing loop after loop in the same place, concentrating their prey into a tight area. As they circle, they direct the green soup into their mouths with the cephalic lobes found on each side of their head.

There is a possibility is that the jumping is nothing more than an accident. Karey Kumli is of the opinion that the breaching behavior isn’t done purposefully. Rather, exiting the water is just one of the liabilities of those wild undulations, the kind that Keller Laros described to me over the phone.

“Think about it,” she tells me. “We wonder why they go through that plane between water and air, and I ask why would they avoid it. They’d have to be pretty careful to avoid being airborne.” She goes on: “Remember, when they are in the air, there’s so little resistance compared to that offered by water that a slight bend of a fin would send them tumbling.” In short, mobulas spin out in the absence

of the resistance provided by water.

That this is all a feeding behavior appeals to me in some fundamental way. When I first saw the jumping and the flapping that accompanied it, I simply assumed that these were creatures struggling to become more airborne, because being airborne served some kind of purpose. Maybe I was wrong. Maybe it was all an accident.

Then again, it’s hard not to believe this behavior is not some manner of play—it certainly looks that way. Among fish, mobula rays have disproportionately large and complex brains. In fact, the weight of their brains relative to their body weight is comparable to many mammals.

Some mobulids, manta rays in particular, are known to exhibit un-fishlike playful behavior amongst themselves and with human divers. Some of these creatures will seek out human contact and will approach divers to solicit attention, a scratch, or just apparently, to feel a diver’s bubbles against their skin.

But the mobulas that I paddle among seem to be indifferent to my presence, caught up perhaps in their own little form of rapture. Sometimes they land so close to my kayak that I scramble more than once to put my lens under a shirt before the splash hits me. Other times I can feel them thump against the bottom of my kayak. I have to wonder if they even know I am here just as I wonder if they will be here in the coming seasons.

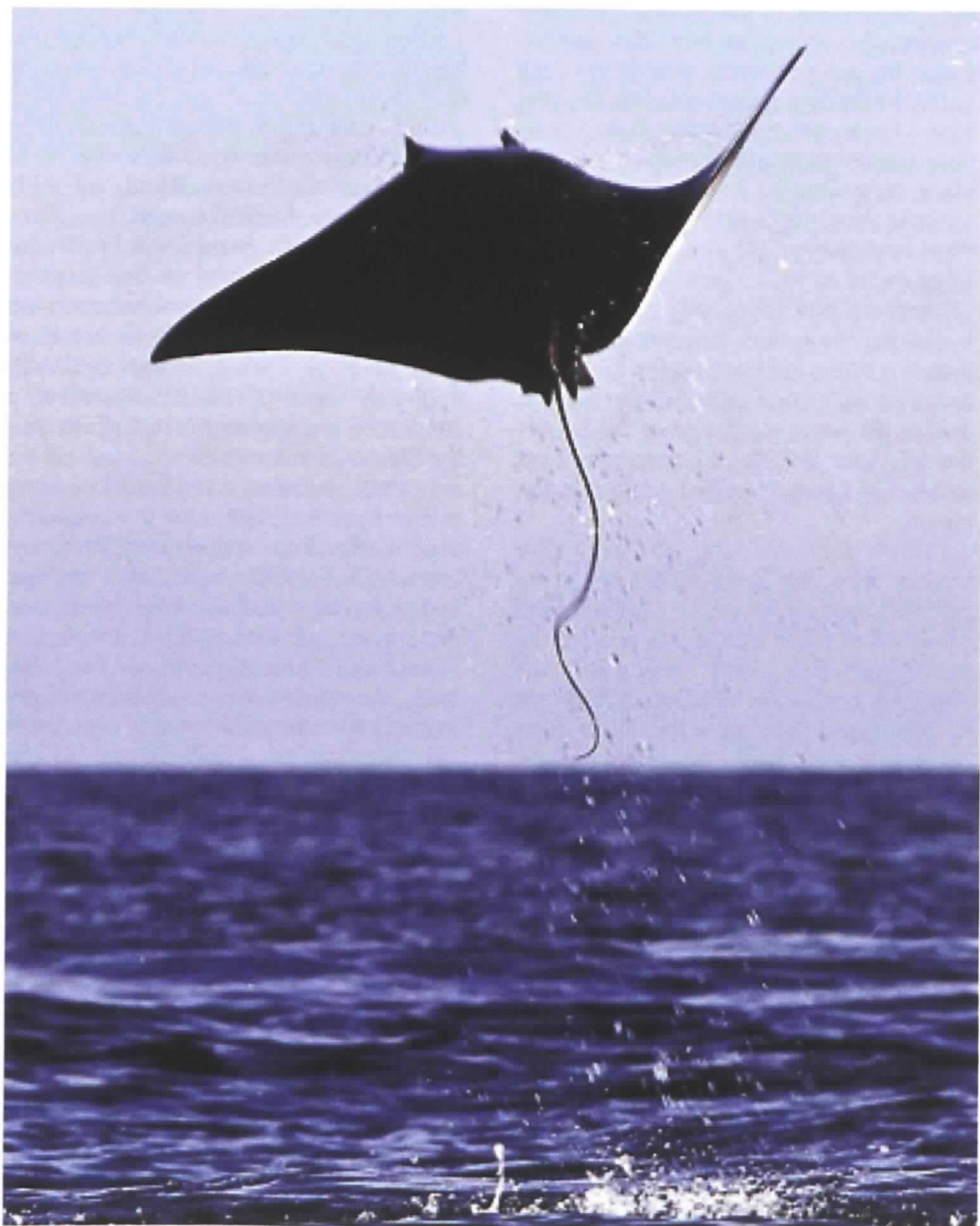
Few people have ever seen a school of hundreds of mobulas moving underwater. I have heard it described as a choreographic marvel, the salt water thick with creatures too many to count, all of them opening and closing their wings at once. Black when they close, white when they open. Maybe one day soon, I’ll see this. But I am on my kayak now, the sun is dipping below the horizon and I have run out of film. That night, we lie out wool blankets and sleep on sand almost cool to the touch. The lights of the nearest city, San Jose Del Cabo, are too far away to see.



Michael Albert

We are warned not to read too deeply into the motives and emotions of organisms. Steinbeck knew of the caution; surely, he was at least considering it when he spoke of the "joyful survival" of sea life. "It almost seems as if they are excited," he said of the crabs and starfish and urchins fighting to stay attached to the rocks as the

waves beat against them again and again. Much about the mobula perplexes me, but most of all I find it strange that a creature whose continued existence remains in doubt could choose that moment to behave with such exuberance. Explain those exquisite belly flops how you will. I call it joyful survival.



Michael Albert



Field Notes

Underwater Naturalist is an equal-opportunity journal. Some articles that you read here have been assigned, but most arrive without warning. Beginning with Volume 1, Number 1 in 1962, we have encouraged members to send us brief, informal notes of observation they have made. Many of us keep logs or field diaries (fishermen are famous for keeping notes, weather, tides, and, of course, relative fishing success). If something strikes you as a worthy occurrence to share with others, let us know. In other words, these "Field Note" pages are wide open for business.

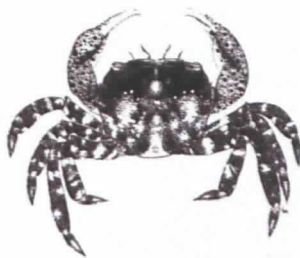
The Asian Shore Crab: A Bait Source

BY JOHN J. McDERMOTT

The Asian shore crab was found for the first time in the Western Hemisphere in 1988 among intertidal rocks at Townsends Inlet in southern New Jersey on the Cape May peninsula (See Williams & McDermott 1990. Proceedings of the Biological Society of Washington 103: 108-109 and McDermott 2004. *Underwater Naturalist* 26: 17-21). The crab found favorable conditions for itself in the western Atlantic, which enabled it to reproduce prolifically, and it now inhabits shores from Maine to the outer banks of North Carolina.

There has been much discussion among scientists concerning the potential harm produced by this introduced species. One of the main concerns was its potential as a predator of native intertidal fauna and flora, such as barnacles, mussels, macroalgae and other species of crabs. Would the crabs' predation and displace-

ment of other species cause a radical change in the ecology of rocky shore communities? Since then various investigators have found that *H. sanguineus* will prey on some of the abundant rocky shore inhabitants (e.g., mussels, barnacles and



Bart Harrison

others), but is limited to relatively small prey because of its small size compared, for example, to the much larger green crab (*Carcinus maenas*), a major inhabitant of the same community.

In some, but not all rocky locations, there is evidence that the shore crab has displaced the green crab and some other crab species, but the remainder of these communities apparently has not been sig-

The author is an emeritus professor of biology at Franklin & Marshall College, Lancaster, PA. He took the photos. Email: johnmcdermott@fandm.edu.



Fishing tackle baited with a shore crab and ready to fish.

nificantly changed. The shore crab is not as formidable a predator as the green crab, the rock crab (*Cancer irroratus*) or some of the mud crabs (e.g., *Panopeus herbstii*). Nevertheless, the shore crab is presently the most abundant species of crab in the rocky intertidal.

Does *Hemigrapsus sanguineus* have any redeeming qualities? Yes. Because of its abundance and its tendency to live under rocks, it is easily collected and maintained in shallow, salt water aquaria. It can then be used in the classroom or laboratory for general biological studies or experimentation by individuals at all educational levels.

Another use for the Asiatic shore crab, the real subject of this essay, is its potential for a bait fishery. In fact, it is already used as bait by sport fishers, but as far as I am aware it has not become a commercial item. I previously reported that a charter boat fisherman in Connecticut found this crab abundant enough in the nearby environment in 1993 to be worth collecting for use aboard his vessel as bait for catching tautog (*Tautoga onitis*).

Prior to the introduction of *H. sanguineus* along the mid-Atlantic coast of North America, people fishing for tautog would usually purchase fiddler crabs (*Uca* spp.), green crabs or other species to be

used as bait. Green crabs and large fiddler crabs would usually be cut into smaller pieces for baiting their hooks. Fishers at Townsends Inlet would often go into the adjoining marsh and laboriously dig their own fiddler crabs for bait. Now, people fishing from the rocky bulkhead at Townsends Inlet merely collect the abundant Asiatic shore crabs from beneath easily turned small rocks at the base of Townsends bridge. Here crabs exist in all sizes, varying from 10 to 30 millimeters in shell width (approximately 0.5 to 1.0 inches). These relatively small crabs don't need to be cut into pieces, but can be attached whole to the hook.

In the middle of October 2005, I observed a large number of people fishing for tautog near slack water from the rocky bulkhead at Townsends Inlet. Many tautog were being caught, some up to 46 centimeters long (approximately 18 inches). One group was catching and tagging these fish for a 2-day period, using cut-up green crabs they had caught in a crab pot buoyed in the adjacent bay. Most fishers, however, were using Asian crabs as bait. During my one hour observation period, six people were turning over rocks and collecting small buckets of Asian crabs on the bay side of the bridge, and then fishing with them on the outer bulkhead. Some filled

pint-size containers with mostly Asian crabs in about 10 minutes. I examined the crabs collected by a few of these people, all of whom were unaware that they were collecting non-native crabs; most thought that the Asian crabs were green crabs, and one thought they were fiddler crabs. Actually, these people collecting crabs from underneath the rocks were collecting a variety of crab species, e.g., one person had collected green crabs, mud crabs (*Panopeus herbstii*), and a young spider crab (*Libinia* sp.) besides the more abundant *Hemigrapsus*. Several years ago I talked to three Japanese fishers who were collecting the Asian crabs at Townsends Inlet to be used as bait for tautog. They had about half of a large bucket filled with these crabs, and they were familiar with this species because they had collected them in Japan for the same purpose.

Hemigrapsus sanguineus, now the most abundant rocky intertidal crab from

Virginia to Maine, has thus become a useful bait item for tautog fishers. It no doubt functions in the same capacity as bait for other species of shore zone fishes such as the cunner (*Tautoglabrus adspersus*) and the black sea bass (*Centropristes striata*). Will the Asian shore crab eventually become a commercial bait-fishery species? This is possible, but it is probable that fishers, who become familiar with the habitat of *Hemigrapsus* and the ease with which it is collected, will not avail themselves of a commercial product.

Pertinent references

- McDermott: 1991. *Biological Bulletin* 181:195-198; 1998. *ICES Journal of Marine Science* 55: 289-298; 1998. *Journal of Crustacean Biology* 18: 308-316; 2000. *Crustaceans and the Biodiversity Crisis*, Brill, Leiden, The Netherlands, pp. 425-444. Lohrer: 2001. *Aquatic Invaders* 12: 1-11.



A keeper tautog (blackfish) taken with a shore crab from the bridge abutment over Townsend Inlet between Sea Isle City and Avalon, NJ.



A Glimpse of Gold

BY JOAN P. JASS

Our group of escapees from wintery Wisconsin had just arrived at the Akumal Bay resort on the eastern coast of Mexico's Yucatan peninsula. For a few of us, the opportunity to beachcomb came first on the agenda — even before the sampling of exotic tropical drinks at the outdoor bar. That mid-March evening we were rewarded by an unusual bonanza, as mounds of fresh golden sargassum weed began building up along the beach, just then washing in as the result of a big storm offshore.

For one whose imagination had been fueled by years of reading National Geographics from cover to cover, this opportunity immediately conjured up the Robert F. Sisson picture story "Adrift on a Raft of Sargassum," which had featured close-up portraits of the almost magical animals that inhabit rafts of the golden gulfweed in the Sargasso Sea. That window into the lives of sargassum inhabitants had been provided by a sample of weed airlifted from the Atlantic and maintained in laboratory tanks at the Miami Seaquarium for observation and documentation by the magazine's Natural Science Photographer. I remembered the tiny crab and shrimp, filefish and — most spectacularly of all — the emerald-eyed sargassumfish, each of them having a variegated, golden brown color pattern that offered excellent camouflage to these open ocean animals, as they drifted along among the branches of the weed.

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Now we as beachcombers were being given the same close-up look at these pelagic creatures, not by means of airlift but thanks to the storm which had torn masses of the weed from its distant offshore habitat, bringing it and its inhabitants within our reach. Rushing into the shallows, we scooped up clumps of the sargassum, having commandeered any container handy into service as a collecting tray.

Pulling the clumps apart, we soon sighted our first sargassumfish and watched transfixed as the displaced animal moved slowly about in a makeshift aquarium. This exciting find also confirmed that the weed was truly home to the famed sargassum inhabitants and fueled our enthusiasm to locate other, less obvious representatives of this specialized fauna. We hurried to make the best of the waning light, as the setting sun glinted off the glistening heaps piling up on shore. Teasing apart the matted strands, we located tiny gulfweed crabs and shrimp hidden among the leaves and stems of this marine forest in miniature.

A special prize among these treasures was the sargassum nudibranch, a golden refugee that was now gliding gracefully but aimlessly around the bathroom sink in our resort bungalow. Its plight introduced the grimmer reality of the fate of these beautiful animals upon the consciousness of our heretofore preoccupied minds. There was no way for them to be returned home and we had no means of keeping them alive in captivity for any length of time. None of our captives would survive the night. Ironically the weed that is their

refuge in the open ocean releases a chemical from its growing tips that accumulates to a poisonous level when concentrated.

Hurrying out early the next morning, we found a shoreline with an entirely different appearance from that of the evening before. Sand had washed in to cover over part of the weedy masses and predators had scavenged through the drying mounds, which were already becoming

brown and shriveled. The clean-up crew from the resort was soon out raking up and removing the last remains of the sargassum, leaving a tidy beach with little sign of the wonders we had observed just hours before. The memories of the experience have remained golden however, though two full decades have elapsed since this magical encounter.



Field Note

The Mississippi Gulf Shore

BY GEORGE THATCHER

The shoreline of the Mississippi Gulf Coast along which I walk daily was explored and colonized by d'Iberville in 1699, some 20 years before the founding of New Orleans. Earlier, of course, it was the homeland of the Biloxi and Pascagoula Indians, both pacific tribes content to farm by the sea and fish.

The author here begins service as the Society's eye on Gulf Coast shores. He lives in Gulfport, Mississippi. Email: fishcrow@aol.com.

Writing about this shoreline in the 1780's, John Barlow, poet and diplomat, described it as a "gulf indented shore." So it is. Immediately to the west is the Bay of Saint Louis, to the east is Biloxi Bay. Farther to the east is the mouth of the Pascagoula River, and to the west, beyond the marshes, is the mouth of the mighty Mississippi River, emptying into the Gulf of Mexico.

On the southern horizon lie barrier islands, young in a geologic sense,



George Thatcher

thought to be only 10,000 years old. First named by the French, they are now mostly anglicized – Ship Island, Cat Island, the Chandeleur chain, Round Island, Horn Island, Petit Bois, etc.

Now in my 84th year, I have walked along this Mississippi shore for many years, a practice that has now become an important daily activity for me. Since 1977, the *un Herald*, serving south Mississippi, has published a short daily column in which I record what I saw that particular day and the thoughts that come to mind during the walk.

Quail Ridge Press has selected and published three books of the columns.

Come walk with me.

Let's cross the beach road, once called "The Old Spanish Trail," and then a concrete seawall onto a dazzling white sand beach. Having the feel of, fine granulated sugar, the sand was once part of the Appalachian mountain range, carried here, crushed and pulverized, eons ago in the continent's watercourses.

We bid "good day" to two great blue herons, standing as usual in the shallows. They merely nod affably in reply, avoiding lengthy conversations.

At the water's edge, we see a number of stingrays where they wait to ambush schools of silvery minnows swimming by. If the evolutions are correct, some day these rays will fly through the air as gracefully as the use their wings to swim now in the sea.

High tide has brought a couple of female horseshoe crabs ashore, where they burrow in the wet sand, burying hundreds of eggs. One has attracted a young male to fertilize the cache. The other has brought with her two small males. When egg laying occurs in daylight, as it does



John Fitzhugh

Post Katrina

today, scores of shorebirds gather noisily, planning a feast after the crabs depart. Frequently, horseshoe crabs are found upturned, lying helplessly on their backs. Experienced beach walkers flip them over, allowing the crabs to scurry back into the sea. But sometimes death comes before a rescue.

To the south, you will notice that all the offshore posts are occupied by brown pelicans. Once a threatened species, their numbers have increased dramatically since the prohibition of strong insecticides, matching now my memory of them in the 1930's.

There are shells here too. Not great ones like the chambered nautilus or a junonia, but there are interesting whelk shells and many others, possessing a certain beauty if design in ordinary carapaces, even those lying fragmented at water's edge. So often we overlook and ignore the commonplace things in nature. Consequently, we will jewels, veritable diamonds under our feet.

Look, a whelk egg has washed ashore, a sign that we will have another generation of marine snails this year. In the days since the hurricane finding assurance of

continuing life has become an especially joyful event.

Although is drawing to an end, take a moment to count the birds of the shore – Gulls, terns, skimmers, plovers, willets, peeps, fish crows, cormorants, and others. Some make this beach their home year 'round. Others are migrating visitors. Watch the noble osprey, flying overhead at this very moment.

In summer, the sea is brimful of life, a cornucopia. Trout, mullet, flounders, ladyfish, croakers, menhaden, sand sharks, dolphin, and many others – all abound near shore, as well as huge quantities of shrimp. Look there in the shallows, a mullet leaping repeatedly out of the water. Does it jump to escape a predator or for the pure joy of flying?

Now, walking back to the seawall, see the miracle of wildflowers flourishing nicely in arid sand, their yellow blossoms cheering our day. Interesting weeds and grasses too sprout at intervals on the beach, unbidden oases of life, preparing seeds to be airborne in autumn winds.

So the walk is ended. But tomorrow holds promise of a new day. Each dawning becomes a new experience. As Hericlitus put it, "You do not step into the same river twice." I arise each morning in expectation of new experiences.

It is difficult to imagine that today's peaceful sea ravaged the coastland just over a year ago, bringing to the mainland a mammoth 30-foot tidal surge, the result of which was devastating. Unbelievably, 64,120 houses on the Mississippi Coast were totally destroyed; another 35,320 sustained major damage in the worst storm this continent has experienced. Entire communities were crushed.

My old family home at 25 feet above



John Fitzhugh

...but nature comes back. Here, a great blue heron patrols the shallows of the Gulf.

sea level was destroyed, including more than 4000 treasured books. Family possessions – furniture, paintings, photographs, clothes, automobiles and the like – all disappeared quickly in the hurricane's fury.

The local newspaper termed it in a bold headline, "OUR TSUNAMI."

But we have put those losses behind us. Families and communities rebuild. In retrospect, all that we lost were material things, nothing of true value. We continually remind ourselves along with Job that "...The Lord gives, and the Lord takes away. Blessed be the name of the Lord..."

Although the mainland was maimed and will retain deep wounds from the tempest for years to come, the beach has recovered remarkably. After the hurricane, Mother Nature restored it to its former condition speedily and replenished lost wildlife too.

Now an event of the past, Hurricane Katrina is gone but not forgotten. We lick our wounds and move ahead to better things. Occasionally I write haiku verses. Here is a recent one:

Sea, in summer garb,
Stay placidly in repose;
Restrain your fury.



Book Reviews

THE SECRET LIFE OF LOBSTERS

by Trevor Corson

HarperCollins, New York. 278 p. Paper.

On a Littoral Society field trip to Maine in June a number of years ago, members focused their binoculars on a small lobster boat pulling traps off Clark Island, just south of Rockland. Out of say 30 lobsters taken from six or eight traps, all but two were tossed back overboard - too small, too big, or notched or egg-carrying females. We figured the lobsterman grossed about \$4.00 while we watched. That's a tough way to make a living.

Maine lobstermen have been pulling lobsters from chill waters at an astonishingly level rate for the past dozen years - about 50,000,00 pounds a year. The most marketable size for a lobster is just about a pound, so the math is easy. Corson has a burning interest in those 50 million lobsters, their mating habits and offspring, their growth rates and behavior, and the lobstermen who chase them down.

Much of what he writes about is hands-on science, field work that involves such things as gluing leashes to 10-millimeter lobsters to see where they go, videotaping cunners and sculpins preying on baby lobsters, and watching undersized lobsters head into a trap, eat up all the bait, burp, and leave.

His book records the work (and antics) of a group of oddball scientists bent on learning the underwater habits of the American lobster. He records it all with joy and humor. He has a great eye and ear for the ridiculous: "The cook (on a research boat), the proverbial drunk, had passed out while baking a turkey and had set fire to the galley — he'd doused the bird with a fire extinguisher and served it

anyway." Put it alongside "Beautiful Swimmers," about blue crabs in the Chesapeake, as one of those natural history books worth a reread every year or so.

THEIR FATHER'S WORK

by William McCloskey

McGraw Hill, New York. 354 p. Cloth.

There are plenty of arguments for and against commercial fishing, but it boils down to really only one on each side. Pro: protein from the sea feeds an awful lot of people. Con: the sea cannot continue to produce protein for such an awful lot of people. Beyond these two basics swim a mixture of truths, half-truths, theories, anecdotal evidence, jealousy, selfishness, anger, and stubborn ignorance.

Fact and fiction fly: gill nets kill too many fish; commercial fishermen are a brave but dying breed whose culture should be preserved; eat fish, live longer; farmed salmon is bad for you; trawlers ruin ocean bottom; some fish populations are in trouble (not in trouble); tuna is more valuable on the end of a sport fisherman's line than in a can.

McCloskey is blessedly non-judgmental. His book is foremost a detailed and compelling account of commercial fishing; he traveled the world to actually work alongside real people, the captains and crews of vessels that chase squid, sardines, cod, crabs, and most of the other wild things that live in the sea. It's about people and boats, living and working conditions, nets and hooks, fish blood and guts, and dangerous, back breaking, knee wrenching 20-hour workdays in frigid Arctic waters and under blazing tropic sun, with many different nationalities on boats from 20 to 200 feet long.

There's hand lining for tuna off New Zealand, wrestling 700-pound crab traps in the Bering Sea, 20-mile drift nets (now outlawed) for five-pound squid; trawling for ground fish on the Flemish Cap (near "The Perfect Storm" locale); and seining Copper River sockeyes and kings and fly-

ing them wild and fresh to the Seattle market.

The fishermen often go from species to species - run low on cod? Go for whiting. Now, many fish are pursued and caught at what is called the maximum sustainable yield, a fine line between a building stock and one that is starting to be over fished. Others are severely stressed - Patagonian toothfish (sold as Chilean sea bass), cod and haddock, and many shark species. Some carefully managed species like Pacific halibut and American lobster seem to be doing fine.

Even McCloskey's fondness for those who go out fishing for a living cannot prevent him from urging caution. His conclusion: "Let this be a plea for perspective and fairness in dealing with an industry of food gatherers as they adopt to change in a livelihood more dangerous and insecure than most. Appropriate actions, some urgent, include:

- Reduce fishing to a sustainable level
- Rehabilitate overfished stocks
- Restore injured marine ecosystems
- Adjust the size of fishing fleets to a sustainable yield
- Reduce bycatch, discards, and other waste
- Develop sustainable but ecological aquaculture."

These six steps are doable but not with ease; one man's subsistence is another's profit.

LIFE IN THE CHESAPEAKE BAY

By Alice Jane Lippson and Robert L. Lippson

The Johns Hopkins University Press,
Baltimore, MD. 287 p. Cloth.

First things first: this is a wonderful book. Almost as important is its subtitle: "An Illustrated Guide to the Fishes, Invertebrates, Plants, Birds, and Other Inhabitants of the Bays and Inlets from Cape Cod to Cape Hatteras." That needs to be said; it would be a shame if only

Chesapeake people bought, read, and used this book because there is little that the coastal wanderer from Cape to Cape won't find here.

This is the third edition of the Lippsons' work — it first made the scene in 1984. As it says on the back flap, "The book has been updated with a new gallery of thirty-nine color photographs and



dozens of new species descriptions and illustrations. The new edition retains the charm of an engaging classic while adding a decade of new research."

The authors deal with the Bay's creatures by addressing eight habitats — sand beaches; intertidal flats; piers, rocks, and jetties; shallow waters; seagrass meadows and weed beds; wetlands; oyster bars; and deeper open waters. They then lead the reader into each habitat and address its environments and life forms, ranging from plankton through fishes and birds. There are loads of illustrations, all thoughtfully placed where they should be — next to the relevant text. While the Chesapeake is the star here, you can see most of what the Lippsons cover in Narragansett Bay, Peconic Bay, Barnegat Bay, Chincoteague Bay, and Pamlico Sound, and all the estuaries and bays in between.

Here's a suggestion: equip yourself with the Lippsons, Gosner's "Guide to the Atlantic Seashore"; "Fishes of the Gulf of Maine"; "Birds of North America"; and "Beachcombers' Botany" and that's pretty much all you need as you browse the Mid-Atlantic littoral.

SCOOBY-DOO

For some reason we have been blitzed by questions about diving, so we will start off by answering a few of the more interesting ones. As a diver would say, "Let's jump in."

Q: I'm a guy who's thinking about getting into scuba diving. Is this a good hobby?

A: Personally, I don't use scuba because I seldom dive below 110 feet and don't need it. But I have friends who love scuba. Even if you don't dive, try putting a diver flag decal on the back bumper of your sports car – it's a great way to pick up chicks.

Q: I'm 14-year-old scuba diver, and I made up a riddle: What kind of musical instrument does a diver play?

A: A scuba tuba. Not a bad riddle for a seven-year-old, but you're twice that age; if this is a measure of the level of teenage brain power out in the world today, we're in trouble. Consider spending fewer hours on your YouTube and more on your homework. (Actually, your riddle is a "stinky-pinky," where the answer to the question is two rhyming words – other examples: a "soft bodied marine organism" would be a "squishy fishy" and a "fortunate waterfowl" is a "lucky ducky.")

Q: I was diving on a coral reef in the Bahamas last year and saw two fish I can't identify, but I did snap a couple of pictures. Take a look at them and give me a hand. Thanks a million.

A: The first picture is clear and easy. It depicts a tropical reef fish common in the Bahamas, which lie off the coast of Florida. Your second picture is, to be perfectly frank, out of focus and underexposed – i.e., not very good. But, we illuminated it with pulsed, variable false color infrared periodic flash technology – f6 at 32/40.5 – and believe it's a shot of your left swim fin. Thanks for the look-see. Here's wishing you warm water and 100-foot visibility.

Q: I am a two-pack-a-day smoker and a scuba diver. I'd like to continue to pursue both habits/hobbies. Any suggestions?

A: Two solutions come to mind: (1) patronize a dive shop equipped with the Nico-ton Cascade Air Supply System which can fill your tank with secondhand cigarette smoke collected from outside the main entrance to the New York Stock Exchange five minutes before the stock market opens, or (2) affix half a dozen wet nicotine patches to the inside of your pony bottle and take a whiff every once in a while.

(end of diving questions)

Q: What's the best way to teach a dog to swim?

A: There are two schools of thought on this one: (1) sudden, total immersion and (2) let's talk about it. Some prefer the first, direct approach, to wit: take the dog down to the water and toss it in, followed by this shouted instruction: "Hey Spot, sink or swim!" Others prefer a more subtle approach. Here it is, step-by-step: first thing in the morning, start talking to your dog about ponds, streams, and the ocean; discuss buoyancy; fill your bathtub, get in, and splash around in the water; explain the symbol H₂O (this can be a good time to teach your dog the periodic table); suggest that the two of you go for a W-A-L-K; take the dog down to the water and toss it in, followed by this shouted instruction: "Hey Spot, sink or swim!"

There is a third solution. Get a Labrador retriever and tell it to stay out of the water.

Question #1 Next Issue: What's the best way to teach a cat to swim?

D.W. Bennett

AMERICAN LITTORIAL SOCIETY 2007 FIELD TRIP SCHEDULE

March 3-11 Belize – Leaders: Don Riepe and Carol Borneman. The forests, swamps, ruins, and reefs of this Central American natural treasure – birds, mammals, reptiles, butterflies, and fishes.

April 14-21 Northern Florida – Leader: Don Riepe. A trip through refuges, state parks, national seashores, and national forests. Wildlife galore.

May 6 Members' Day. Sandy Hook, NJ. Hikes, bikes, kayaks, eats. Details later.

June 7-10 Montauk Summer Weekend – Leaders: Don Riepe, Mickey Cohen, Rob Villani. This starts with an orientation and slide show Friday evening and then a weekend of hiking, birding, tide pools, rocky cliffs, Montauk Light, and an optional whale watch.

August 10-19 Galapagos – Leader: Mickey Cohen. This is the Society's eighth expedition to the biological wonders where Charles Darwin's discoveries took flight. Send for a detailed brochure.

August 10-20 Olympic Peninsula – Leader: Bob Quinn. Here at the northwest corner of the lower 48 there are rain forests, headlands, glaciated mountains, Puget Sound, the Pacific Ocean – orcas, puffins, and sea otters.

August 16-19 Cape Ann Whale Watch – Leaders: Don Riepe and Mickey Cohen. Hikes, canoe trips, sunset river cruise, offshore for whales and dolphins, bird life, and seafood.

September 12-16 Monhegan Island – Leader: Bob Quinn. Twelve miles off the coast near Rockland, Maine. Residents are lobstermen and artists; visitors include birds of the fall migration, and there is a boat trip for whales and seabirds – a true getaway.

October 13-22 California's North Coast – Leader: Bob Quinn. Redwood National Park, Crater Lake, and the Klamath Basin. Marine life, birds, the biggest of trees, lava beds, sea lions, and crashing Pacific waves.

October 18-21 46th Annual Meeting — Cape May, NJ. Details later.

November 1-4 Assateague Fall Weekend – Leaders: Mickey Cohen and Don Riepe. This is an autumn treat at the height of fall bird migrations, plus seafood feast, slides and films, beach walks, and the Chincoteague ponies. Bombay Hook stop at sunset in transit to see thousands of snow geese flying in for the night.

For details, check your field trip schedule, phone for another copy, or go to the Society's website (www.littoralsociety.org), or phone or email Pat at 732-291-0055; Pat@littoralsociety.org.

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