The cover of the journal 'underwater naturalist' features a serene landscape photograph. The scene is dominated by a large, feathery reed or grass head in the upper right foreground, which is backlit by a low sun, creating a bright, golden glow. The sun is positioned just above the horizon line, which is visible in the distance over a calm body of water. The sky transitions from a pale yellow near the horizon to a deep, clear blue at the top. In the lower right, the dark silhouettes of other reeds and plants are visible against the water. The overall mood is peaceful and naturalistic.

underwater naturalist

Vol. 26, No. 3

AMERICAN LITTORAL SOCIETY REGIONAL OFFICES

The Society maintains regional offices where members may keep up with local issues and events. Call the chapters for newsletters and local field trip information.

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732-291-0055

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Wildwood, NJ 08260
609-729-9262

NY/NJ Harbor Baykeeper
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Northeast Region
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Broad Channel, NY 11693
718-318-9334

Southeast Region
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Sarasota, FL 34241
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18977
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Project ReefKeeper
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Delaware Revisited

Your latest issue of the Underwater Naturalist performed a great public service by bringing the problems of abuse and overuse of the Delaware Bay and surrounding wet lands to the attention of the public. It is only when a large segment of the public becomes aroused that our government officials will stand up to the industrialist, real estate and agricultural interest who profit from the activities that damage these areas. Your publication was a first step in arousing the public.

Lawrence King
Schenectady, NY

p.s. In answer to your question on page 60, "What did Della Ware?" is, obviously, she wore her new Jersey. Didn't you know that? Or were you testing to see if we got to the last page? L.K.

As a long time "coastie" from Long Island, New York I have been seeking a Shangi-La, the way I remember life here long ago. Recently it was 'Paradise Found' in coastal Delaware. Then after reading UNDERWATER NATURALIST Vol. 26, No. 2 it abruptly became 'Paradise Lost.' From George Kowallis I learned that in coastal Delaware time brings change as yet another great place appears doomed to the destructive pace of 'progress.' I have seen this first hand on the south shore of Long Island where we once had thousands of baymen harvesting nature's aquatic bounty we now have but a handful remaining. I have witnessed the

wholesale destruction of the marine eco-system on the Neuse River in North Carolina thanks to nature's fury and short-sighted pig farmers whose holding tanks full of manure burst spoiling the waters of Pamlico Sound. The coup de grace was provided by the discovery of *pfisteria piscicida* which makes the waters unfit for human recreation. Then Sallie Callanen confirmed my doubts about human motives when confronted with the choice of environmental conservation vs: urban sprawl. Once again greed prospers as nature stumbles to recover. I hope that she is correct in her assumption that "citizens are no longer willing to sit back and wait." Steve Callanen's "Environmental problems and Land Use Around Delaware's inland Bays" brought to mind exactly the situation we had here on Long Island's south shore decades ago. I toured a huge sewage treatment plant the day it opened only to learn that the \$50,000,000 outfall pipe had not been connected thereby spilling the effluent into South Oyster Bay instead of the Atlantic Ocean. This was followed the explosion of a multi-million gallon holding tank full of concentrated sewage sludge further fouling the shallow bay. On the north shore of Long Island we had a sewage treatment plant in Huntington Harbor that spilled untreated sewage into the harbor for months. People wondered why they became ill from eating locally harvested shell-fish. Will we ever learn? To end on a positive note, I will never look upon the Delaware seashore the same again. When taking my next trip to the shore, I'll remember Dave Grant's "Crossing Delaware Bay" excellent article as well as Dennis Reynolds' "A Journey Down Route 9". There is hope for those of us who remember what history has taught us. Those unwilling or uncaring enough to dismiss our past mistakes are doomed to repeat these ecological catastrophies, Nature's resilience is being put to the test. I hope that coastal Delaware rises to the occasion.

Bill Ober
Huntington, NY

Tales Taggers Tell III

by PAM CARLSEN

The Society's fish tag-and-release program is its most successful volunteer effort. The program is open to members only, and then they are asked to buy Society tag kits, 10 tags, data cards, instructions, and an application needle. Thus, each tagger is making a substantial contribution to fisheries science. Since the program was started by Graham Macmillan in 1965, we have distributed more than 600,000 tags.

The procedure is simple: go fishing, catch a fish, put an ALS tag on it, release it, and wait for someone else to catch it. ALS does the record keeping. All tagging data are compiled here, each report is acknowledged, and once a year we transfer all the information to the National Marine Fisheries Service lab at Wood's Hole where it is available to fisheries biologists. In this issue we report on fish with ALS tags that were recaptured during 2001. Even if you don't fish or tag fish yourself, take a minute to read some of the data. Each line represents a member's efforts to work for better inshore habitat and for good fishing.

Longest Striper Return

It is always exciting when a recapturing fisherman sends in an old tag. In August of 1999, a striped bass was recaptured at East Rockaway Inlet, NY, carrying a tag that had been placed 5/24/88 at the Verrazano Bridge...a time span of eleven years and three months. This record held until August 7, 2002, when Michael Letavic caught a 45" striped bass in Fishers Island Sound, CT. This fish was originally tagged by Tony Evangelista on 11/25/90 in the East River, New York City at 13", and so the new record stands at eleven years, eight months, and thirteen days. Tony, who is also a member of the New Jersey Hudson River Fishermen's Association, has tagged with us since 1987, one of many longtime taggers.

Bass Up and Down the Coast

The coastal migration of striped bass (rockfish) between Virginia and New England was evident in the returns of many taggers. David Nova, White Stone, VA, had two fish he tagged in December

Pam Carlsen is director of the Society's fish tagging program and a member of the tagging committee of the Atlantic States Marine Fisheries Commission.

of 2001 in Chesapeake Bay at Windmill and Smith Points recaptured on July 3, 2002, at Gloucester, MA, and the other at Provincetown, MA. The fish were lunkers 45 and 46 inches long.

In December of 2002, the Chesapeake Bay Bridge Tunnel area gathered three A.L.S. tagged stripers. Richard Conklin's 1998 bass tagged in Bridgeport, CT, was recaptured one mile north of the second and third islands. Kevin Carrigan's 29" fish tagged 8/14/02, at Rockport, MA, was recaptured 1000 yards east of the third island and Albert Messina's 33" fish tagged June 2001 in Little Neck Bay, NY, was caught at the first island of the tunnel. Farther up the bay just south of Smith Point Light, Mark Anaya's 38" fish tagged in Jamaica Bay, NY, in May of 2002, was recaptured in November of 2002. Traveling farther south for the winter, Capt. Al Anderson had two spring stripers tagged in May and June of 2001 and two fall stripers tagged in October of 2002 at Block Island, RI, all arrived to be recaptured in Virginia coastal waters in the first two weeks of January, 2003. The bass were from 26 - 37" in length. Could these stripers have been headed for the Outer Banks of NC when they were intercepted?

North Carolina Fishing

According to Capt. Tim Barefoot in his column "Fishing Barefoot" in Sportfishing Report, February 2003, Vol



Record holder. Tony Evangelista, (above) tagged a striped bass in the East River in 1990. Michael Letavic recaptured the same fish in Fisher Island Sound, CT in 2002: a new ALS tagging record.

12.1, "striped bass show up in massive schools along the Outer Banks each winter. They come to feed on menhaden (bunker), croakers, and grey trout." Two A.L.S. stripers were in the mix. Stan Jakubowski's 31" fish tagged 10/27/00 at Robbins Reef Light, New York Harbor, was recaptured 12/18/02 at Cape Hatteras, and Jerry Angelini's 28" fish tagged 5/8/02 in Raritan Bay was recaptured off Nags Head on 1/25/03. Although this fishing is farther south, it is still a cold time to fish. Once again according to Capt. Barefoot, "Jan. 18, 2003 - high temperature was 27 degrees. Hand warmers and latex gloves were used all day. Rain

gear and insulated coveralls kept the fishermen comfortable as they caught and released over 50 fish."

Power Plant Bass

Warm water outflows of power plants have always been a favorite spot for striped bass to "hang out," no matter what the season. Terry Marburger has fished many winters at the Northport power plant, on Long Island, New York's, north shore, when everyone else is done for the season. George Horvath, also enjoys fishing a power plant, his on the Delaware River at Trenton, NJ, near Duck Island. On June 29, 1998, George tagged many small stripers and cataloged the natural events around him as he tagged.

7:12 - "Cloudy with a strong west wind, made fishing tolerable here this evening."

8:14 - "Saw some cottontail rabbits and a ground hog."

8:24 - "A drake mallard landed in the warm water discharge."

8:38 - "A great blue heron glided into the power plant's artificial wetlands."

8:42 - "Got multiple bites from several different insects."

9:09 - "Caught 16 striped bass, five white perch, and two bluefish on chicken livers."

9:12 - "Only three other fishermen and one boat here tonight. I was the last to leave".

One of George's 16 stripers, a 9 1/2", 8 ounce fish, was recaptured on 11/24/02 at Port Norris, NJ, in Delaware Bay. It was 23 1/2" long.

Taggers Share Bass

On July 26, 2002, Mark Strober tagged a 17" striped bass at Robbins Reef Light, NY Harbor. On Nov. 5, 2002, Glenn Blank recaptured this fish in NY Harbor. On June 25, 2002, Blank tagged a 28" bass at Hell Gate, in the East River, New York City. On Nov. 9, 2002, Strober recaptured this fish at the same place. From New York Harbor to Hell Gate in the East River, Mark Strober and Glenn Blank

share the same two fish.

The Pickering family of Lincoln, RI, also share the same two fish. On 12/27/02, Jon Pickering tagged a 17" striper on the Providence River. On 2/24/03, this fish was recaptured along with another tagged striper in the same river by his brother, Ben. The second fish was one that Ben had tagged only two nights before. Their dad, Dave Pickering wrote, "I could hardly believe what I was seeing...strange happenings in RI."

Bluefish

Bluefish are known to be great travelers and voracious eaters. Bill Shillingford fishing in the creeks at Strathmere, NJ, tagged two, a 12" bluefish on 7/22/02 and a 14" fish on 9/04/02. The July fish was recaptured on 11/22/02, at Duck, NC, the September one on 11/21/02 at Kitty Hawk, NC. Bill Finke tagged an 18" bluefish at Norwalk, CT, on 9/8/02. His fish was recaptured at Ocean City, MD, on 11/27/02.

Bites...Bites...Bites

Ben Allen, Westport, MA, tagged a 19" striped bass with the lower tail fluke missing. He wrote, "I did not see any evidence of disease on this fish. Whatever caused the damage to the tail, was done a while back, because it was well healed and the fish appeared very healthy. My feeling is some predator ripped it off when the fish was very young. With any luck, I won't hear until the fish is a fat, healthy, 50-pounder some 15 years from now."



Ben Allen holds a 19-inch striped bass minus its lower tail fluke, apparently an old injury; the fish was otherwise healthy and well fed.

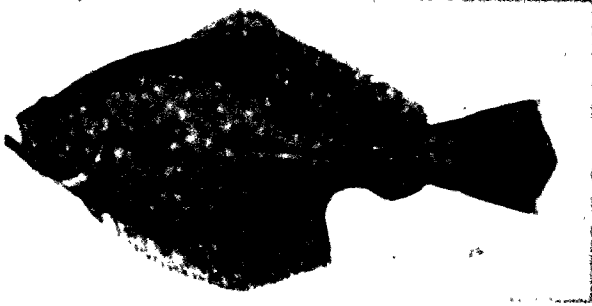
Capt. Gene Nigro, Highlands, NJ, fishing Raritan Bay, sent in this picture of a well healed summer flounder, with a big bite on its underside. He reported, "Thought you may want this for your collection. It was a keeper at that!" Keeper fluke are 16 1/2" in New Jersey.

Art Schweithelm, Northport, NY, tagged two stripers in December of 2002. Both had fresh bites on their undersides and one was missing a tail fluke. Art believes that both were attacked by seals. Joe Kane, Arrowsic, ME, who fishes the Kennebunk River, sent a photo of a 31" striper attacked by a seal. He wrote "The seals only eat the stomach out of the bigger fish. This striper was only a snack for this seal. They will attack four to six minimum per day. Our river is full of them with more moving in every year."

Flat Fishes

Charlie Kennedy of Cape May, NJ, wrote about the large rays that appear mid-August in Delaware Bay. Ray skeletons are made up of cartilage, a tough elastic fibrous connective tissue that makes them firm and tough, but flexible. Along with sharks, they are called cartilaginous fishes, rather than bony fishes, such as other flat fishes like summer and winter flounder. "A lot of the time the rays are traveling in pairs. I have seen them jump out of the water. May be something to do with mating. They get very big, four to five feet from wing tip to wing tip." From Kennedy's observations

these appear to be cownose rays. According to the Peterson Guide, "Atlantic Coast Fishes" by Robins/Ray/Douglass, "Most rays and skates are bottom dwellers. Some leap above the surface and produce a loud clap



One that got away. This healthy summer flounder, caught by Gene Nigro, obviously had an earlier encounter with a hungry denizen of the deep.

upon re-entry; this has been attributed to attempts to free themselves of parasites, but is more likely associated with a territorial display." Cownose rays are periodic visitors to estuaries and well known shellfish eaters.

Two summer flounder (fluke) tagged in the summer of 2002 had interesting tag returns. John Weber's 14" fish tagged 7/19/02 on the south shore of Long Island, NY, was recaptured by the scallop vessel "Act IV", in the Hudson Canyon on 1/12/03. The tag was returned by a NMFS fisheries observer. Matthew Trana's, 15 1/2" fish tagged 8/12/02 in the Ambrose Channel, NY, was retrieved from a box of flounder at the New Orleans Seafood House, New Orleans, LA, on 9/12/02. This tag was returned by a fish filleter.

International Cod

On 5/24/02. Mike Jacques fishing at the Fingers on Jeffries Ledge tagged a 34" cod with tag 568919. On 12/23/02, we received a letter from Jennifer Hinze, a fisheries biologist with the Canadian Department of Fisheries and Oceans, who is working on a cod tagging project. She

wrote, " On 12/18, we received a phone call from a processing plant owner in Nova Scotia, who purchased a cod fish from a plant in Boston and found a tag numbered 568919. The fish was landed 12/16/02 in Boston.

On 1/13/03, we received information on a tagged 33 1/4" cod caught in American waters and trucked to Scotia Fisheries Ltd., Nova Scotia. This tag A-01780 was placed by the Universtiy of New Hampshire studying Atlantic cod, 10-15 miles off of New Hampshire. Although this wasn't our tag, we were able to assist in the recovery.

Two international cod fish, who went over the border in a box.

Black Sea Bass

Capt. Monty Hawkins tags many black sea bass on his party boat out of Ocean City, MD. On 10/13/02 fishing 16 miles ESE of Ocean City, a customer caught a double header of tagged sea bass. Both of these fish had been tagged onboard Capt. Monty's boat. One on 7/26/02 and the other on 9/03/02, 13.5 mi. SE of Ocean City, MD. This was a first for Capt. Monty.

Capt. Monty has also been cooperating with NOAA fisheries biologists, who have been placing USFWS red or orange belly tags in black sea bass from Virginia to Massachusetts. More than 3,000 fish were tagged as a joint project of federal and state scientists and commercial and recreational fishermen. If you catch a sea bass with one of these tags, remove the tag and record tag number, date and location of recapture, length of the fish and gear type. Call: 508-495-2000. The reward for the red tag is \$100. The orange tag is good for an embroidered baseball cap. For more information go to www.nefsc.noaa.gov/read/popdy/blackseabass-tagging/, their website.

Good Fish Story

Al D'Amato of Cape May wrote, "A friend of mine, Tim Parke, caught a 32" striper and put it in to the back of his pick up truck. He drove it to the lobster house where we both work. This trip took about five minutes. We put the fish in a lobster tank, water temperature 45 degrees, and he lived there happily for two weeks. He didn't seem to eat the clams, scallops, and mussels we fed him, so rather than risk his survival we tagged him and turned him loose in Cape May Harbor. He was very frisky when we released him. #574398 has a good story to tell, if he is ever recaptured."

End of the Year 2002

From D'Amato again in Cape May, NJ, "My slowest year in about eight years, due mostly to weather."

Bill Terrill on Cape Cod, MA, "Big difference this year - where did the stripers go? On the Cape last year, I caught 62 stripers including five keepers. This year, I caught six shorts. Bluefish were more plentiful."

Fred Stunkel at Darien, CT, "Our fall season was almost a disaster. We had more days of unbelievable winds and cold temperatures; our long awaited blitz of migrating bass never materialized. Even the bait fish were absent. As strange as this all sounds, great bass fishing took place just across the sound on the New York side. The difference was the abundance of bait in that area."

Tom McCandless in Jamestown, RI, "Another season of tagging has come to a close. Thanks to the American Littoral Society for promoting such a terrific program. I tagged my first fish, a bluefish, in August of 1992, and ironically this was returned less than two months later. Since then I have quite a few stories to share with family and friends of tagged fish recaptured from Boston to the Virginia/North Carolina coast."

"And a final note on this year, the clam boat around which we were catching bass caught fire! Enough said." (D'Amato).

GENERAL STORE

Here is a sampling of books and items for sale. More selections are available in our BEACHLOVERS Catalog. Call or write for a copy.

BOOK SHELF

The Art of Shelling by Chuck and Debbie Robinson. A complete guide to shells and beach collectibles. \$14.

Blue Frontier: Saving America's Living Seas by David Helvarg. A detailed, lively discussion of the ocean's future, with the American Littoral Society a prominent player. \$12.

Crisis on the Coast by Gilbert Gaul and Anthony Wood. A tale of silly home location, greed and selfishness as defined by a second home at the shore. \$9

AMERICAN LITTORAL SOCIETY BOOKS

Anglers Guide to Sharks by Jack Casey A classic field guide to the sharks that inhabit the waters from Maine to the Chesapeake Bay. \$3.

New Jersey Coastwalks by D. W. Bennett. Pack a lunch, put on your walking shoes, get in your car, and drive to Kearny, NJ. At this point take out your copy of NJCW and follow the author's route from Kearny to Cape May and on to the Delaware Bay. Always changing, the coastline of New Jersey offers many surprises. This book will take you on a watery tour that will fascinate and teach you at the same time. \$5.

OTHER ITEMS

***NEW* Lighthouse T Shirt** - Front features lighthouses familiar to ALS members: Montauk, Cape May, Sandy Hook and Assateague. Dictionary definition of "littoral" on the back. 100% cotton, white with black, red, and brown in illustration. M, L, XL, 2X. \$15.

Crab T - Update of a Classic - 100% cotton beige T Shirt with crab illustration on front and dictionary definition of "littoral" on the back. Illustration and lettering in navy blue. M, L, XL, 2X. \$15.

Crab T for Kids - Just the right size for young beachcombers. Similar to the adult Crab T but in stonewashed blue. 100% cotton. Youth Sizes: S, M, L. \$10.

Littoral Notecards w/envelopes. 8 pack piping plover or heron pen/ink drawings. \$5.

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TAGGING REPORT

compiled by PAM CARLSEN

TAGGING RETURNS

Species	Length	Tagger	Place Tagged	Date	Recapturer	Location	Length
Atlantic Cod							
18	J Walsh Jr.		Stellwagon Bank, MA	03/18/01	L Bowen	Isle of Shoals, NH	19 08/08/01
9	J Walsh Jr.		Stellwagon Bk., NA	04/04/01	K Nichols	Stellwagon Bk., MA	13 10/26/01
Black Grouper							
14	J Clark		Ramrod Key, FL	01/02/01	J Clark	Ramrod Key, FL	14 02/21/01
10	J Clark		Ramrod Key, FL	01/02/01	J Clark	Ramrod Key, FL	10 02/21/01
13	J Clark		Ramrod Key, FL	01/06/01	J Clark	Ramrod Key, FL	10 02/21/01
13	J Clark		Ramrod Key, FL	01/18/01	J Clark	Ramrod Key, FL	13 02/22/01
13	J Clark		Ramrod Key, FL	02/21/01	J Clark	Ramrod Key, FL	13 03/18/01
13	J Clark		Ramrod Key, FL	03/18/01	J Clark	Ramrod Key, FL	13 05/05/01
13	J Clark		Ramrod Key, FL	02/22/01	J Clark	Ramrod Key, FL	18 05/05/01
14	J Clark		Ramrod Key, FL	04/12/01	J Olivieri	Ramrod key, FL	15 05/14/01
Black Sea Bass							
10	C Fiorillo		Long Branch, NJ	09/14/00	F/V Barbaa Anne	Offsh. r., Hudson Canyon, NJ	10 01/12/01
15	M Hawkins		16 mi. E Ocean City, MD	11/14/00	C Townsend	17 E Ocean City, MD	05/09/01
16	M Hawkins		22 mi. S Ocean City, MD	05/05/01	M Hawkins	22 mi. S ocean City, MD	16 05/15/01
12	M Hawkins		23 mi. SE, Ocean City, MD	07/04/00	M Hawkins	18.5 mi. ESE Ocean City, MD	15 05/29/01
14	V Bunting		9 mi. E Ocean City, MD	06/04/01	S Wisniewski	Fenwick Shoal, DE	06/08/01
10	L Velsor		4 mi. SW Jones Inlet, NY	06/06/01	J Mihale	4 mi. SW Jones Inlet, NY	10 06/09/01
9	L Velsor		4 mi. SW Jones Inlet, NY	6/06/01	J Mihale	4 mi SW Jones Inlet, NY	09 06/09/01
11	C Hornung		12 mi. SE Ocean City, MD	09/14/00	B Baily	12.5 mi. SE Ocean City, MD	13 06/15/01
14	M Hawkins		12.5 mi. SE Ocean City, MD	06/04/01	J Shpp III	12.7 mi. SE Ocean City, MD	14 06/15/01
15	M Hawkins		12.5 SE Ocean City, MD	06/09/01	R Abele	Offsh. r., Ocean City, MD	15 06/19/01
12	C Kennedy		Cape May Reef, NJ	06/13/01	W Essick	Cape May Reef, NJ	06/26/01
12	R Conklin		Mid L.I. Sound	06/24/01	Unknown Fisherman	Mid L.I. Sound	12 06/26/01
15	M Hawkins		12.5 mi. SE Ocean City, MD	06/09/01	M Hawkins	12.7 mi. SE Ocean City, MD	15 07/03/01
15	M Hawkins		12.5 mi. SE Ocean City, MD	06/13/01	M Hawkins	12.6 mi. SE Ocean City, MD	15 07/04/01
11	C Kennedy		Cape May Reef, NJ	06/01/01	R Litka	Cape May Reef, NJ	07/05/01
14	M Hawkins		12.7 mi. SE Ocean City, MD	06/15/01	M. Hawkins	12.7 mi. SSE Ocean City, MD	14 07/18/01
10	M Hawkins		12.6 mi. SE Ocean City, MD	07/25/01	M Hawkins	12.7 mi. SSE Ocean City, MD	10 07/29/01
12	M Hawkins		12 mi. SE Ocean City, MD	11/16/00	E Munn	Offsh. r., Ocean City, MD	12 08/05/01
19	M Hawkins		21.8 mi. S Ocean City, MD	06/07/01	M Hawkins	24 mi. S Ocean City, MD	19 08/06/01
10	M Hawkins		22 mi. S Ocean City, MD	05/15/01	M Hawkins	22.5 mi. S Ocean City, MD	10 08/06/01
11	M Hawkins		13 mi. SE Ocean City, MD	06/14/00	J Bunting	11 mi. SE Ocean City, MD	15 08/10/01
10	M Hawkins		12.6 mi. SE Ocean City, MD	07/25/01	M Hawkins	12.6 mi. SSE Ocean City, MD	10 08/12/01
10	L Velsor		4 1/2 mi SW Jones Inlet, NY	07/16/01	S Dybus	5 mi. W Lido Beach, NY	14 08/15/01
15	M Hawkins		12.5 mi SE Ocean City, MD	06/13/01	M Hawkins	12.6 mi. SE Ocean City, MD	15 08/19/01
13	M Hawkins		25.5 mi. NE Ocean City, MD	08/22/01	M Hawkins	25.4 mi. NE Ocean City, MD	13 08/24/01
10	C Hornung		16 mi E Ocean City, MD	05/23/01	M Czajkowski	18.5 mi. ESE Ocean City, MD	11 08/26/01
16	M Hawkins		22 mi. S Ocean City, MD	05/15/01	E Garrett	22 mi. S Ocean City, MD	17 08/30/01
11	M Hawkins		25.5 mi. NE Ocean City, MD	08/22/01	N Khachadorian	25.2 mi. NE Ocean City, MD	11 09/01/01
11	D Goodwin		SW Jones Inlet, NY	08/25/01	B Klettner	SW Jones Inlet, NY	11 09/02/01
8	L Velsor		4 mi SW Jones Inlet, NY	06/06/01	C Young Sung	Freeport, NY	08 09/03/01
10	D Goodwin		SW Jones Inlet, NY	08/25/01	B Klettner	SW Jones Inlet, NY	11 09/08/01
11	G Horvath		Offsh. r., Is. Beach St. Pk., NJ	08/05/01	W Egarter	Seaside Pk., NJ	09/15/01
10	M Hawkins		12.6 mi. SE Ocean City, MD	07/25/01	M Hawkins	13 mi SSE Ocean City, MD	10 09/18/01
15	M Hawkins		12.6 mi. SE Ocean City, MD	07/07/01	M Hawkins	12.6 mi. SSE Ocean City, MD	16 09/18/01
16	M Hawkins		12.6 mi. SE Ocean City, MD	07/25/01	M Hawkins	12.7 mi SSE Ocean City, MD	16 09/18/01
13	B Baily		12 Mi. SE Ocean City, MD	06/13/01	M Hawkins	12.6 mi. SSE Ocean City, MD	13 09/18/01
10	M Hawkins		20 mi. NE Ocean City, MD	06/20/01	D Peoples	2 mi. S DB Bouy, DE	11 09/19/01
8	J Weber Jr.		3rd Meadowbrook Brdg., NY	09/14/01	J Weber Jr.	3rd Meadowbrook Brdg., NY	08 09/21/01
10	C Fiorillo		Long Branch, NJ	09/06/01	A Dzikowicz	Elberon, NJ	11 09/23/01
9	J Weber Jr		Long Creek Brdg., NY	09/14/01	M Farello	Freeport, NY	09/24/01
11	M Hawkins		25.5 mi. S Ocean City, MD	07/12/01	J Dawson	20 mi. E Assateague, VA	11 10/01/01

Species

Length	Tagger	Place Tagged	Date	Recapturer	Location	Length	Date
15	M Hawkins	25.5 mi. S Ocean City, MD	07/12/01	J Dawson	20 mi. E Assateague, VA	15	10/01/01
12	M Hawkins	25.5 mi. S Ocean City, MD	07/21/01	J Dawson	20 mi. E Assateague, VA	12	10/03/01
10	M Hawkins	23.5 mi. S Ocean City, MD	07/21/01	J Dawson	20 mi. E Assateague, VA	11	10/03/01
12	M Hawkins	28 mi. SW Ocean City, MD	07/14/01	J Dawson	20 mi. E Assateague, VA	13	10/03/01
10	M Hawkins	12.6 mi. SSE Ocean City, MD	08/13/01	C Hornung	12.8 mi. SSE Ocean City, MD	11	10/04/01
13	C Hornung	19 mi. SE Ocean City, MD	09/23/01	M Hawkins	19.8 mi. SE Ocean City, MD	13	10/04/01
18	M Hawkins	15.5 mi. E Ocean City, MD	07/09/01	M Hawkins	15.6 mi. E Ocean City, MD	18	10/09/01
11	C Hornung	26 mi. SE Ocean City, MD	09/23/01	J Dawson	20 mi. E Assateague, VA	11	10/09/01
17	M Hawkins	25.8 mi. S Ocean City, MD	05/05/01	J Dawson	20 mi. E Assateague, VA	18	10/09/01
17	M Hawkins	22.6 mi. SE Ocean City, MD	06/16/01	M Hawkins	23.1 mi. SSE Ocean City, MD	17	10/10/01
10	C Hornung	16 mi. E Ocean City, MD	05/23/01	M Hawkins	18.5 mi. ESE Ocean City, MD	11	10/13/01
11	M Hawkins	18.5 mi. ESE Ocean City, MD	08/27/01	M Hawkins	18.5 mi. ESE Ocean City, MD	11	10/13/01
10	M Hawkins	12.6 mi. SE Ocean City, MD	07/25/01	M Hawkins	13 mi. SSE Ocean City, MD	11	10/14/01
10	M Hawkins	13 mi. SSE Ocean City, MD	09/18/01	M Hawkins	13 mi. SSE Ocean City, MD	10	10/14/01
15	M Hawkins	18.5 mi. ENE Ocean City, MD	06/22/01	M Hawkins	17.4 mi. NE Ocean City, MD	15	10/18/01
13	M Hawkins	12.4 mi. NE Ocean City, MD	06/25/01	M Hawkins	17.4 mi. NE Ocean City, MD	13	10/18/01
10	M Hawkins	17 mi. NE Ocean City, MD	08/09/01	M Hawkins	17.3 mi. NE Ocean City, MD	10	10/18/01
9	L Velsor	4 mi. SW Jones Inlet, NY	06/06/01	F McQuade	McAllister Grounds, NY		10/20/01
12	M Hawkins	18.5 mi. ESE Ocean City, MD	10/02/01	M Hawkins	18.5 mi. ENE Ocean City, MD	12	10/21/01
11	M Hawkins	18.7 mi. ESE Ocean City, MD	05/17/01	M Hawkins	18.5 mi. ESE Ocean City, MD	12	10/21/01
12	M Hawkins	25.5 mi. NE Ocean City, MD	08/22/01	C Moyer Jr	Off Lewes, DE	13	10/22/01
10	A Schweithelm	Southside, Montauk, NY	10/08/01	M Potts	Southside, Montauk, NY	10	10/30/01
10	A Schweithelm	Southside, Montauk, NY	10/08/01	M Potts	Southside, Montauk, NY	10	10/30/01
11	M Hawkins	18.3 mi. ESE Ocean City, MD	07/16/01	M Hawkins	18.5 ESE Ocean City, MD	11	10/31/01
17	M Hawkins	25.5 mi. S Ocean City, MD	07/12/01	M Hawkins	25.5 mi. S Ocean City, MD	17	11/03/01
10	M Hawkins	28 mi. SW Ocean City, MD	07/14/01	J Dawson	20 mi. E Assateague, VA	10	11/07/01
10	M Hawkins	28 mi. SW Ocean City, MD	07/19/01	J Dawson	20 mi. E Assateague, VA	10	11/07/01
12	M Hawkins	28 mi. SW Ocean City, MD	07/14/01	J Dawson	20 mi. E Assateague, VA	13	11/07/01
11	M Hawkins	25.5 mi. S Ocean City, MD	07/12/01	J Dawson	20 mi. E Assateague, VA	13	11/07/01
11	M Hawkins	25.5 mi. S Ocean City, MD	07/12/01	J Dawson	20 mi. E Assateague, VA	13	11/07/01
13	M Hawkins	25.5 mi. S Ocean City, MD	07/12/01	J Dawson	20 mi. E Assateague, VA	13	11/07/01
12	M Hawkins	17.4 mi. NE Ocean City, MD	06/25/01	J Dawson	20 mi. E Assateague, VA	13	11/07/01
18	M Hawkins	18.5 mi. ESE Ocean City, MD	10/02/01	M Hawkins	18.5 mi. ESE Ocean City, MD	18	11/24/01
13	M Hawkins	19 mi. ESE Ocean City, MD	10/24/01	M Hawkins	18.7 mi. ESE Ocean City, MD	13	11/24/01
15	M Hawkins	16.5 mi. ESE Ocean City, MD	08/08/01	M Hawkins	16.5 mi. ESE Ocean City, MD	16	11/25/01

Bluefish

29	A Anderson	Block Is., RI	10/15/00	C Adams	South Amboy, NJ	31	05/24/01
17	H Bowman III	Fire Is. Inlet, NY	05/10/01	R Groh	Bellport, NY		06/04/01
18	A Schweithelm	Northport, NY	06/01/01	S Cone	Rye, NY		06/30/01
14	A Schweithelm	Eatons Neck, NY	06/08/01	A Schweithelm	Asharoken Beach, NY	14	07/08/01
29	A Anderson	Block Is., RI	05/25/01	T Winters	The Race, L.I. Sound		08/01/01
17	A Schweithelm	Eatons Neck, NY	06/15/01	L Marnott	Execution Lt., NY		08/15/01
25	A Anderson	Block Is., RI	09/20/00	R Dupre	Westport, MA		08/15/01
29	A Anderson	Block Is., RI	08/07/01	J Meehl	The Race, L.I. Sound		08/19/01
31	A Anderson	Block Is., RI	07/08/01	T McVey	Narragansett, RI		09/04/01
27	A Anderson	Block Is., RI	07/25/01	V Sokolohorsky	Cos Cob, CT	28	09/07/01
25	A Anderson	Block Is., RI	07/24/01	W Tucker Jr.	Offshr., The Farms, NJ		09/15/01
27	A Anderson	Block Is., RI	08/07/01	R Kovacs	Milford, CT		09/16/01
27	A Anderson	Block Is., RI	08/07/01	O Van Helmond	Westhampton, NY		09/22/01
28	A Anderson	Block Is., RI	07/08/01	M Timmerman	Martha's Vineyard, MA	28	09/22/01
25	A Anderson	Block Is., RI	07/13/01	R DiNicola	Milford, CT	26	09/23/01
27	A Anderson	Block Is., RI	07/13/01	J Rose	Watch Hill Lt., RI	28	09/27/01
27	A Schweithelm	Eatons Neck, NY	08/30/01	E Aubry	Mamaroneck, NY	27	10/19/01
26	R Kyker	Norwalk, CT	09/24/00	R Arias	Norwalk Is., CT	27	10/21/01
19	B Finke	Norwalk, CT	08/06/01	M Mohiuddin	Roosevelt Is., NYC		10/21/01
27	A Anderson	Block Is., RI	07/13/01	J Sheehan	Niantic, CT		10/29/01
29	G Blank	East R., NYC	10/04/01	G Sherman	Offshr., 17 fathoms, NJ	32	11/04/01
17	M Tabasso	Ventnor, NJ	09/18/01	B Pittman	VA Beach, VA		11/04/01

Dogfish

27	T Rumpf	Middle Ground, L.I.S.	08/12/01	J Kaminsky	2 mi. NW Mattituck, NY	30	11/08/01
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Fluke

14	J Weber Jr.	Sea Dog Cr., NY	07/20/01	D Verdino	Jones Inlet, NY		
14	J Weber Jr.	Freeport, NY	07/27/01	M Bradley	Reynold's Chan., NY		
13	L Velsor	Long Beach, NY	06/09/00	M Tabor	Reynold's Chan., NY	14	07/03/00
14	W Filce	Mantoloking, NJ	07/20/98	C Petruccelli	Offshr., Cape Henlopen, DE	18	01/08/01

Species	Length	Tagger	Place Tagged	Date	Recapturer	Location	Length	Date
12	F	Waltzinger III	Long Branch, NJ	06/04/99	C Petruccelli	Offshr., Fenwick Is., DE	16	01/08/01
14	D	Goodwin	S.E. of Jones Inlet, NY	06/03/00	F/V Susan L	Offshr., Cape May, NJ	18	01/10/01
14	A	Evangelista	Brooklyn Flats, NY	09/01/96	F/V Vaud T	Offshr., Cape May, NJ		01/12/01
15	J	Weber Jr.	Jones Beach, NY	07/29/99	B Hardy	Offshr., Cape May, NJ		01/20/01
13	A	D'Amato	Cape May, NJ	08/18/99	F/V "Little Bit"	Offshr., Currituck Beach, NC	17	01/24/01
15	T	Matraxia	Deal, NJ	07/11/99	F/V Cliff & Chris	22 mi. E VA/NC Border	17	02/07/01
14	D	Goodwin	Jones Inlet, NY	07/11/99	F/V Cliff & Chris	22 mi. E VA/NC Border	18	02/07/01
15	T	Matraxia	Pt. Judith, RI	07/11/00	Hewlett Fish Mkt.	Offshr., Long Is., NY	15	02/19/01
13	F	Waltzinger III	Manasquan, NJ	09/23/00	V Cannon Jr.	Offshr., Hudson Canyon, NJ		02/27/01
14	F	Waltzinger III	Sea Bright, NJ	08/14/99	Martins Fish Co.	20 mi. E Ocean City, MD	16	02/28/01
15	F	Waltzinger III	Long Branch, NJ	10/11/99	Martins Fish Co	50 mi. E Delaware Bay	15	03/29/01
17	C	Kennedy	I.C.W. #466, NJ	04/12/01	W Werner	S Rte. 47 Brdg., NJ	17	04/15/01
14	F	Spall	Sandy Hook, NJ	06/28/00	G Cashman	Wachapreague Inlet, VA	14	04/21/01
18	A	D'Amato	I.C.W., Wildwood, NJ	04/20/01	A Long	I.C.W., Wildwood, NJ	18	04/22/01
13	A	Piszczatowski	Glen Cove, NY	06/18/00	F/V Ocean State	Block Is. Sound, RI	17	04/28/01
15	F	Waltzinger III	Chincoteague, VA	04/12/00	J Pusey	Chincoteague, VA	16	05/01/01
14	J	Weber Jr.	Jones Inlet, NY	08/11/00	D Lippman	Captree St. Pk., NY	14	05/03/01
17	T	Matraxia	Pt. Judith, RI	07/11/00	F/V Ocean State	Block Is. Sound, RI	21	05/05/01
15	F	Waltzinger III	Chincoteague, VA	04/24/01	H Hayes	Chincoteague Inlet, VA	15	05/11/01
16	B	Shillingford	Ludlum Bay, NJ	05/08/01	G Balog	Sea Isle City, NJ	16	05/12/01
15	C	Kennedy	I.C.W. #470, NJ	07/28/99	H Munn	Ludlams Bay, NJ	18	05/12/01
13	J	Hickey Jr.	Sea Girt, NJ	07/07/00	D Baumeister	N. Belmar, NJ		05/12/01
19	C	Kennedy	I.C.W. #453, NJ	04/20/01	R Cucinotta	N. Wildwood, NJ	19	05/13/01
18	B	Shillingford	Ludlum Bay, NJ	05/10/01	K Everingham	Sea Isle City, NJ	17	05/15/01
11	M	Strober	Bayonne, NJ	05/31/99	A Yanovsky	Canarsie Pier, NY	17	05/15/01
15	A	D'Amato	I.C.W., Wildwood, NJ	05/10/00	B Dunham	Stone Harbor, NJ	17	05/15/01
14	T	Matraxia	Ambrose Chan., NY	07/23/00	J Strohmeier	Hoffman Is., NY	16	05/16/01
16	A	D'Amato	60' Slough, DE Bay	07/13/00	J Dougherty	#19, Delaware Bay	17	05/16/01
15	B	Shillingford	Ludlum Bay, NJ	05/10/01	G Lukosavich	Sea Isle City, NJ	15	05/18/01
13	A	D'Amato	I.C.W., Wildwood, NJ	05/05/00	S Suchanoff	Avalon, NJ	15	05/18/01
17	B	Shillingford	Ludlum Bay, NJ	05/10/01	G Edmund	Sea Isle City, NJ	17	05/19/01
15	L	Gonnello	Sandy Hook Bay, NJ	06/24/00	M Korn	Raritan Bay, NJ	16	05/20/01
17	A	D'Amato	I.C.W., Wildwood, NJ	05/11/01	G Jakominich	#469 I.C.W., NJ	18	05/22/01
13	T	Matraxia	Ambrose Chan., NY	07/23/00	C Mockler	Sandy Hook Bay, NJ	14	05/24/01
16	C	Kennedy	I.C.W., Wildwood, NJ	04/28/00	J Byrne	I.C.W., Wildwood Cr., NJ	17	05/25/01
14	J	Gibbons	Lido Bch., NY	05/23/00	M Heyman	Jones Inlet, NY	15	05/27/01
15	C	Kennedy	Lower DE Bay, NJ	07/28/00	J Harper	Buoy #19, DE Bay	15	05/27/01
15	S	Fries	Ambrose Channel, NY	06/21/00	G Bachert	Sandy Hook, NJ	16	05/27/01
17	B	Shillingford	Ludlum Bay, NJ	05/10/01	C Stansfield	Ludlum Bay, NJ	18	05/29/01
16	C	Kennedy	I.C.W. #470, NJ	05/17/01	J Danna	I.C.W., Wildwood Cr., NJ	16	06/01/01
13	M	Frawley Jr.	Shinnecock Bay, NY	09/08/00	T Holm	Shinnecock Bay, NY	14	06/01/01
16	B	Shillingford	Ludlum Bay, NJ	05/10/01	R Gorman	I.C.W. #331, NJ		06/01/01
17	C	Kennedy	I.C.W. #470, NJ	05/26/99	D Bowman	Wildwood Crest, NJ	21	06/02/01
13	J	Weber Jr.	Reynold's Chan., NY	05/15/01	W Kiernan	Reynold's Chan., NY	13	06/03/01
25	G	Dickerson	Manasquan R., NJ	09/11/99	R Pontecorvo	Shark R., NJ	26	06/05/01
15	A	Piszczatowski	Glen Cove, NY	07/21/00	F LoSavio	Hempstead Hbr., NY	18	06/06/01
18	M	Benjamin	Keansburg Pier, NJ	06/04/01	B Scamechia	Keansburg Pier, NJ	18	06/06/01
14	R	Anderson Jr.	Fire Is. Inlet, NY	05/03/01	E White	Jones Beach Pier, NY	15	06/06/01
14	J	Weber Jr.	Reynold's Chan., NY	05/26/00	R Dixon	Merrick Bay, NY	15	06/06/01
10	D	Reiss	Staten Is., NY	05/23/99	R Hartmann	Newport, RI	15	06/08/01
13	B	Russo	Orient Pt., NY	08/04/00	B Russo	Gardiner's Is., NY	14	06/09/01
14	S	Carlsen	Shark R., NJ	09/21/00	W Campbell	Somers Pt., NJ	15	06/09/01
12	F	Waltzinger III	Belmar, NJ	06/09/01	H Straub	Asbury Pk., NY		06/10/01
12	J	Weber Jr.	Reynold's Chan., NY	06/08/01	B Faugh	Freeport, NY	12	06/10/01
15	C	Kennedy	I.C.W. #473, NJ	06/28/00	T Kirchner	Stone Harbor, NJ	19	06/12/01
18	M	Moore	Moriches Bay, NY	08/06/00	M Lange	Buoy 12, Moriches Bay, NY	20	06/13/01
16	A	D'Amato	I.C.W., Wildwood, NJ	06/13/01	J Stella	Wildwood Cr., NJ	16	06/14/01
15	J	Hickey Jr.	Offshr., Klondike, NJ	07/01/00	B Ford	Dumpsite, N of Manasquan, NJ		06/14/01
17	S	Knapik	Jones Inlet, NY	10/23/00	M Meisten	Fire Is., NY	18	06/15/01
13	D	Blue	Sandy Hook, NJ	05/22/99	G Bachert	Sandy Hook, NJ	16	06/15/01
15	S	Fries	Rockaway Inlet, NY	08/23/00	S Miller	Mernck, NY	15	06/16/01
14	A	Malheiros	Sandy Hook, NJ	07/22/00	T Sereika	Sandy Hook Bay, NJ	15	06/17/01
18	C	Kennedy	I.C.W. #466, NJ	04/12/01	W Zee	I.C.W., N. Wildwood, NJ		06/17/01
17	F	Waltzinger III	Chincoteague, VA	04/24/01	K Reisinger	Chincoteague Bay, VA	17	06/19/01
14	J	Weber Jr.	E. Reynold's Chan., NY	05/12/00	D Miller	Robert Moses Brdg., NY	15	06/19/01
15	C	Kennedy	I.C.W. #465, NJ	05/10/00	R Gill	Hereford Inlet, NJ	17	06/22/01
14	S	Carlsen	Shark R., NJ	09/27/99	D Rutsch	Barneget Bay, NJ	19	06/22/01

Species	Length	Tagger	Place Tagged	Date	Recapturer	Location	Length	Date
15	J Smailer	Lower DE Bay, NJ	08/08/00	D Frank	Fortesque, NJ	15	06/22/01	
19	C Kennedy	I.C.W. #466, NJ	04/20/01	F Jacobs	Cape May Hbr., NJ	19	06/22/01	
14	J Hickey Jr.	Offshr., Klondike, NJ	06/24/00	S Goldstein	5 mi. SW Jones Inlet, NJ	14	06/23/01	
11	J Weber Jr	Reynold's Chan., NY	06/21/01	M Guerra	Pt. Lookout, NY	11	06/23/01	
12	T Matraxia	Sandy Hook, NJ	06/10/01	G Bachert	Sandy Hook, NJ	13	06/24/01	
16	A D'Amato	I.C.W., Wildwood, NJ	05/11/01	R Rizzi	I.C.W., Wildwood Cr., NJ	17	06/24/01	
15	A D'Amato	I.C.W., Wildwood, NJ	06/08/01	S London	Cape May Hbr., NJ	15	06/24/01	
15	B Shillingford	I.C.W., Ocean City, NJ	05/24/01	E Schmitt	I.C.W., Ocean City, NJ	15	06/25/01	
16	B Russo	E. Marion, NY	05/14/01	L Pirilli	Fulton Fish Mkt., NY	18	06/25/01	
19	C Kennedy	I.C.W. #477, NJ	06/08/01	F Tortella	I.C.W., Wildwood, NJ	16	06/26/01	
16	C Kennedy	I.C.W. #477, NJ	06/08/01	F Tortella	I.C.W., Wildwood, NJ	16	06/26/01	
17	W Gano	Moriches Bay, NY	06/20/00	C Altbacker	Great South Bay, NY	18	06/28/01	
14	M Strober	Verrazano Brdg., NY	06/26/99	M Tedesco	Flynn's Knoll, NJ	15	06/28/01	
16	S Carlsen	Atlantic Highlands, NJ	06/14/01	G Bachert	Ammo. Pier, NJ	16	06/29/01	
14	W Filce	Ortley Beach, NJ	07/12/97	D Vance	1 mi. E Asbury Pk., NJ	17	06/29/01	
17	B Goodman	S of Jones Inlet, NY	07/01/00	P Scherer Jr.	S of Fire Is. Inlet, NY	17	06/30/01	
15	A Piszczatowski	Glen Cove, NY	06/05/01	L Bonati	Matinecock Pt., NY	17	07/01/01	
16	J Gibbons	Lido Bch., NY	05/06/00	J Caligiuri	Gardiners Is., NY	20	07/01/01	
12	B Shillingford	I.C.W., Ocean City, NJ	06/20/01	B Gray	I.C.W., Ocean City, NJ	12	07/01/01	
15	B Goodman	S of Jones Inlet, NY	09/02/00	G Cohen	Pt. Lookout, NY	16	07/02/01	
13	J Spahr	Jones Inlet, NY	06/29/01	J Brancazio	Jones Inlet, NY	13	07/02/01	
15	C Kennedy	I.C.W. #457, NJ	05/22/01	M Mangano	Wildwood, NJ	15	07/03/01	
17	J Tirpak	Highlands, NJ	06/09/01	J Geist	Sandy Hook Bay, NJ	17	07/03/01	
14	J Hickey Jr.	Long Branch, NJ	07/23/00	K Delaney	2 mi. E Bay Head, NJ	14	07/03/01	
12	J Hickey Jr.	Long Branch, NJ	07/05/00	L Felton	Long Branch, NJ	16	07/03/01	
10	R Anderson Jr.	Fire Island Inlet, NY	07/04/01	N Ashcraft	Fire Is., NY	13	07/04/01	
15	F Waltzinger III	Asbury Pk., NJ	06/18/01	F Kirchofer	2 mi. N Manasquan Inlet, NJ	17	07/04/01	
12	J Weber Jr.	Reynold's Chan., NY	05/15/01	E Salnick	Lido Beach, NY	12	07/05/01	
15	R Anderson Jr.	Fire Is. Inlet, NY	07/04/01	J Padden	Fire Is. Inlet, NY	15	07/05/01	
12	R Anderson	Fire Is. Inlet, NY	07/10/01	N Trangucci	Moriches Bay, NY	12	07/07/01	
12	L Gorman	U.S.C.G., Sandy Hook, NJ	06/18/01	V Resende	Sandy Hook, NJ	12	07/07/01	
16	V Viola	Moriches Inlet, NY	07/24/00	T Kohler	Longport, NJ	18	07/07/01	
13	B Shillingford	Ludlam Bay, NJ	05/11/01	G Shinn	Sea Isle City, NJ	13	07/07/01	
16	G Horvath	4 mi. E Harvey Cedars, NJ	07/07/01	G Horvath	4 mi. E Harvey Cedars, NJ	16	07/07/01	
16	A D'Amato	I.C.W., Wildwood, NJ	04/28/00	R Musselman	I.C.W., Sea Isle City, NJ	19	07/07/01	
11	B Shillingford	I.C.W. # 302, NJ	07/02/01	S Brown	I.C.W. #308, NJ	12	07/08/01	
11	J Weber Jr.	Reynold's Chan., NY	06/08/01	R Chester Jr.	Jones Inlet, NY	11	07/08/01	
15	D Goodwin	Jones Inlet, NY	05/13/00	W DiCarlo	Freeport, NY	17	07/08/01	
11	F Waltzinger III	Manasquan, NJ	06/09/01	G Bachert	Sandy Hook Bay, NJ	12	07/08/01	
12	D Goodwin	Merrick Bay, NY	06/26/01	S Hines	Merrick Bay, NY	12	07/09/01	
13	D Goodwin	Merrick Bay, NY	06/26/01	W Stammel	Merrick Bay, NY	13	07/09/01	
15	M Frawley Jr.	Shinnecock Bay, NY	08/24/00	S Cerny	Shinnecock Bay, NY	18	07/09/01	
17	A Baret	Sandy Hook Bay, NJ	05/12/01	D Peters	Sandy Hook Bay, NJ	17	07/09/01	
21	C Kennedy	I.C.W. #470, NJ	05/14/01	K Raza	I.C.W. #473, NJ	22	07/09/01	
13	R Anderson Jr.	Fire Is. Inlet, NY	09/01/00	D Quinn	E of Robt. Moses Brdg., NY	15	07/10/01	
14	F Waltzinger III	Long Branch, NJ	06/26/00	R Mansfield	3 mi. E Long Branch, NJ	14	07/11/01	
14	B Goodman	S of Jones Inlet, NY	07/01/00	H Resnick	Long Beach, NY	14	07/12/01	
14	A Gano	Fire Is., NY	06/29/00	B Ford	Dumpsite, N of Manasquan, NJ	14	07/12/01	
15	W Filce	Sea Gurt Reef, NJ	06/19/01	B Ford	Dumpsite, N of Manasquan, NJ	15	07/13/01	
14	R Anderson Jr.	Fire Is. Inlet, NY	07/10/01	D Sharinn	Captree, NY	14	07/13/01	
14	W Filce	Manasquan, NJ	10/11/99	T Kiburis	Jamaica Bay, NY	18	07/14/01	
12	M Strober	Hoffman Is., NY	06/30/01	J Strohmeier	Hoffman Is., NY	12	07/14/01	
15	J Gibbons	Offshr., Lido Bch., NY	06/11/00	A Stasi	Captree, NY	15	07/14/01	
9	B Shillingford	Strathmere, NJ	05/11/01	E Schmutz	Ocean City, NJ	14	07/14/01	
14	M Strober	Hoffman Is., NY	05/27/00	R Zoltowski	Sandy Hook, NJ	17	07/14/01	
14	A Malheiros	Belford, NJ	08/02/00	D Virgil	Leonardo, NJ	17	07/14/01	
14	L Ruch Jr.	Long Branch, NJ	06/17/00	G Battito	Flynn's Knoll, NJ	14	07/15/01	
14	J Weber Jr.	Jones Inlet, NY	06/08/01	L Kim	Jones Beach, NY	14	07/15/01	
16	L Gonnello	Sandy Hook Bay, NJ	06/26/01	W Davis	Leonardo, NJ	16	07/15/01	
15	H Bowman III	Robt. Moses Brdg., NY	05/02/01	M Weimar	Great South Bay, NY	17	07/15/01	
13	A D'Amato	Cape May Canal, NJ	08/31/00	R Goodin	Cape May Hbr., NJ	15	07/16/01	
12	J Weber Jr.	Reynold's Chan., NY	05/15/01	C Chon	Baldwin, NY	12	07/18/01	
13	J Weber Jr.	Freeport, NY	06/08/01	D Aries	Lido Beach, NY	13	07/19/01	
15	B Shillingford	I.C.W., Ocean City, NJ	05/25/01	J Flynn	Corson's Inlet, NJ	15	07/19/01	
15	D Crann	Beach Haven, NJ	09/09/00	D Britton	Barnegat Lt., NJ	16	07/20/01	
18	F Stunkel	Stamford, CT	07/01/99	S Whitting	Montauk, NY	19	07/21/01	
13	A Teal	Keyport, NJ	06/02/01	C Pikus	Keyport, NJ	15	07/21/01	

Species

Length	Tagger	Place Tagged	Date	Recapturer	Location	Length	Date
16	D Goodwin	Jones Inlet, NY	05/05/01	M Castelluzzo	Jones Inlet, NY	17	07/22/01
15	T Matraxia	Flynn's Knoll, NJ	07/17/01	A Tang	Asbury Pk., NJ	15	07/22/01
15	T Matraxia	Ambrose Chan., NY	07/15/01	A Dzikowicz	Verrazano Brgd., NY	15	07/22/01
15	F Waltzinger III	Spring Lake, NJ	05/12/01	P Bruchel	Raritan Bay, NJ	16	07/23/01
12	R Anderson Jr	Fire Is. Inlet, NY	07/10/01	C Glynn	Captree, NY	07/23/01	
16	J Weber Jr.	Swift Cr., NY	07/13/01	J Weber Jr.	Swift Cr., NY	16	07/27/01
15	J Leather	Manasquan, NJ	06/24/00	P Marotta	Island Beach St. Pk., NJ	17	07/28/01
14	T Stanik	Chapel Hill Chan., NJ	07/15/01	E Pulcini	Pt. of Sandy Hook, NJ	14	07/28/01
13	L Velsor	4 mi. SE Jones Inlet, NY	06/19/01	D Orlando	Jones Inlet, NY	13	07/29/01
16	F Waltzinger III	Asbury Pk., NJ	06/10/01	J Vazquez	Belmar, NJ	17	07/29/01
11	J Weber Jr.	Sloop Chan., NY	07/06/01	M Alba	Merrick, NY	13	07/30/01
13	F Waltzinger II	Upper Manasquan R., NJ	07/08/01	N Graciano	Manasquan R., NJ	13	07/31/01
13	J Weber Jr	Sloop Chan., NY	07/06/01	K Olsen	3rd Meadowbrook Brgd., NY	13	07/31/01
14	A Gano	Fire Is. Inlet, NY	07/05/01	J Garone	Fire Is. Inlet, NY	15	07/31/01
12	J Weber Jr.	Freeport, NY	05/29/01	C Slotnick	Freeport, NY	14	08/01/01
16	S Fries	Montauk, NY	07/31/01	L Pash	Montauk Pt., NY	16	08/01/01
15	B Goodman	S of Jones Inlet, NY	07/30/00	F Carlson	4 mi. E Jones Beach, NY	17	08/02/01
12	J Weber Jr.	Freeport, NY	07/27/01	Y Sherwood	Reynold's Chan., NY	08/03/01	
14	J Weber Jr.	Freeport, NY	07/27/01	Y Sherwood	Reynold's Chan., NY	08/03/01	
12	J Weber Jr.	Sea Dog Cr., NY	07/20/01	F Kobesky	Reynold's Chan., NY	12	08/04/01
12	J Weber Jr.	Sea Dog Cr., NY	07/13/01	A Peters	Freeport, NY	12	08/04/01
13	R Anderson Jr.	Fire Is. Inlet, NY	07/10/01	A Haldenwang	Robt. Moses St. Pk., NJ	13	08/04/01
13	J Weber Jr.	Sea Dog Cr., NY	07/20/01	K Isogai	Jones Beach, NY	13	08/05/01
11	R Anderson Jr.	Fire Is. Inlet, NY	07/21/01	E Corke	Fire Is., NY	08/05/01	
14	F Waltzinger	Long Branch, NJ	07/12/99	M Hurley	Long Branch, NJ	16	08/06/01
13	C Kennedy	I.C.W #466, NJ	05/08/00	R Stock	Cape May Hbr., NJ	16	08/07/01
13	F Waltzinger III	Avon, NJ	06/20/00	D Baumeister	Manasquan Inlet, NJ	14	08/09/01
13	T Stanik	Flynn's Knoll, NJ	07/15/01	K Thomas	Flynn's Knoll, NJ	08/11/01	
16	A Dzikowicz	Coney Is., NY	07/11/01	A Pietranello	Ambrose Chan., NY	16	08/11/01
16	A Dzikowicz	Coney Is., NY	06/27/01	B Gorra	E. Rockaway Inlet, NY	17	08/11/01
12	E Swain Jr.	Fire Is. Inlet, NY	08/03/01	C Altbacker	Great South Bay, NY	14	08/11/01
12	R Anderson Jr	Fire Is. Inlet, NY	08/17/00	R Schmidt	Moriches Bay, NY	14	08/12/01
12	R Anderson Jr.	Fire Is. Inlet, NY	07/04/01	M Rodriguez	Captree, NY	12	08/12/01
15	J Weber Jr.	Sloop Chan., NY	08/03/01	D DePalo	Sloop Chan., NY	08/12/01	
12	F Waltzinger III	Upper Manasquan R., NJ	07/09/01	R Tonkery	Manasquan, NJ	08/12/01	
14	J Weber Jr.	Jones Inlet, NY	08/10/01	R Muro Jr.	E of Jones Inlet, NY	14	08/15/01
15	J Hickey Jr.	Sea Girt, NJ	07/08/00	J Malloy	Ambrose Chan., NY	08/15/01	
12	J Weber Jr.	Sea Dog Cr., NY	07/20/01	K Nicolli	Sea Dog Cr., NY	08/15/01	
13	F Waltzinger III	Upper Manasquan R., NJ	08/06/01	G Caputi	Manasquan R., NJ	14	08/16/01
15	T Stanik	Raritan Bay, NJ	07/28/01	B Schoenig	Princess Bay, NY	08/17/01	
13	J Hickey Jr.	Manasquan R., NJ	07/06/01	T Pfister	Manasquan R., NJ	13	08/17/01
13	J Mejia	Kings Pt., NY	07/20/99	E Kulich	W. Long Is. Sound	17	08/18/01
13	C Altbacker	Great South Bay, NY	08/11/01	T O'Toole	Democrat Pt., NY	14	08/18/01
15	A Sargente	Lower New York Bay, NY	08/06/99	G Thompson	Fire Is., NY	17	08/18/01
12	F Waltzinger III	Upper Manasquan R., NJ	07/08/01	N Catone	Pt. Pleasant Canal, NJ	12	08/18/01
19	R Kyke	Norwalk, CT	06/14/98	L Sokerka	Norwalk, CT	23	08/18/01
13	J Hickey Jr.	Offshr., Klondike, NJ	07/01/00	G Larson	SE Shark R.Inlet, NJ	14	08/18/01
15	F Waltzinger III	Upper Manasquan R., NJ	07/02/01	M Facas	Manasquan Inlet, NJ	16	08/19/01
14	M Strober	2 mi. S Verrazano Brgd., NY	07/06/01	M Murphy	Ambrose Chan., NY	15	08/19/01
14	W Filce	Manasquan R., NJ	08/06/01	V Stavola	Manasquan Inlet, NJ	14	08/21/01
14	J Weber Jr.	Reynold's Chan., NY	08/10/01	J McKeon	Reynold's Chan., NY	14	08/23/01
13	J Weber Jr.	Freeport, NY	07/27/01	K Ohliger	Freeport, NY	13	08/24/01
15	S Fries	Coney Is., NY	07/06/01	R Sims	Rockaway Reef, NY	18	08/26/01
15	D Goodwin	3 mi. S Tobay Bch., NY	07/21/01	S Bock	S Shinnecock Inlet, NY	15	08/26/01
13	S Carlsen	Shark R., NJ	07/12/01	R Main	Shark R. Inlet, NJ	15	08/26/01
12	B Shillingford	I.C.W., Ocean City, NJ	07/25/01	O Brogan Jr.	I.C.W., Strathmere, NJ	12	08/27/01
15	M Frawley Jr.	Shinnecock Bay, NY	07/24/01	T Pearson	Southampton, NY	16	08/28/01
14	M Frawley Jr.	Shinnecock Bay, NY	09/08/00	E McLean	Nantucket Sound, MA	16	08/29/01
15	G Nigro	Sandy Hook, NJ	06/10/01	H DeBlock Sr	Keyport, NJ	16	08/29/01
15	S Fries	Tin Can Grounds, NY	07/07/01	J Zafrani	Ambrose Chan., NY	15	08/30/01
14	W Filce	2 mi. E Manasquan, NJ	06/16/01	K Buckley	Long Branch, NJ	14	09/01/01
15	L Bleiler	Belford, NJ	05/27/01	D Gladysiewicz	Buoy #47, Raritan Bay, NY	17	09/01/01
16	J Dotsey	Montauk, NY	08/25/01	K Blanchard	3.2 mi. SE Montauk, NY	16	09/02/01
14	W Filce	Offshr., Manasquan, NJ	09/25/00	D Golom	Offshr., Spring Lake, NJ	15	09/03/01
13	J Weber Jr.	Sea Dog Cr., NY	07/20/01	B Lanka	Jones Beach St. Pk., NY	13	09/06/01
13	F Waltzinger III	Upper Manasquan R., NJ	08/11/01	T Reeves	Manasquan R., NJ	14	09/07/01
14	J Hickey Jr.	Seaside Pk., NJ	08/19/00	E Lang	Mantoloking, NJ	14	09/08/01

Species		Place Tagged	Date	Recapturer	Location	Length Date	
Length	Tagger					Length	Date
14	B Bagliani	Delaware Bay, NJ	06/05/99	J Hunt	Delaware Bay	18	09/08/01
13	M Strober	Hoffman Is., NY	06/30/01	M Strober	Hoffman Is., NY	13	09/08/01
13	F Waltzinger III	Upper Manasquan R., NJ	08/11/01	B Hanson	Manasquan R., NJ	13	09/09/01
16	A D'Amato	Cape May, NJ	06/28/01	M Eisman	Offshr., Atlantic City, NJ	17	09/09/01
14	D Goodwin	Merrick Bay, NY	08/11/01	B Stuck	Merrick, NY	15	09/09/01
11	F Waltzinger III	Upper Manasquan R., NJ	07/09/01	B Hanson	Manasquan R., NJ	12	09/09/01
12	R Anderson Jr.	Fire Is Inlet, NY	08/04/01	R Clarke	Fire Is. Inlet, NY	13	09/16/01
14	B Shillingford	L.C.W., Ocean City, NJ	07/25/01	G Rainey	Ocean City, NJ	16	09/19/01
11	J Weber Jr.	Reynold's Chan., NY	06/29/01	B Schulze	2 mi. W Jones Inlet, NY	13	09/23/01
16	A D'Amato	Cape May Hbr., NJ	08/03/00	E Thomas	Cape May Hbr., NJ	16	09/25/01
14	L Gordon Jr.	Lynnhaven Inlet, VA	05/15/01	M Banks	Ches. Bay Brdg. Tun., VA	16	09/30/01
22	G Bachert	Offshr., Mud Buoy, NJ	10/03/01	Z Livingston	Offshr., Mud Buoy, NJ		10/21/01
14	D Crann	Beach Haven, NJ	06/19/99	M Hamric	Offshr., Chincoteague, VA	15	12/04/01
Great Barracuda							
33	T Matraxia	Islamorada, FL	01/17/01	J Fox	Marathon, FL		02/14/01
Greater Amberjack							
46	JC Wright	Offshr., Rudee Inlet, VA	08/30/01	K Barnhart	Offshr., Rudee Inlet, VA		09/04/01
Jack Crevalle							
16	G Ottavio	Sannibel, FL	10/16/00	D Milner	Ft. Myers Beach, FL	16	11/03/00
18	J Wright	Venice, FL	01/31/01	A Miller	Sarasota, FL	18	03/28/01
Pollack							
18	A Schweithelm	6 mi S. Block Is., RI	04/22/01	M Potts	6 mi. S Block Is., RI	18	04/29/01
17	M Hawkins	18.5 mi. ESE Ocean City, MD	05/30/01	J Dudeck	18 mi. ESE Ocean City, MD	17	06/02/01
16	M Hawkins	18.5 mi. ESE Ocean City, MD	05/29/01	M Czajkowski	18.5 mi. ESE Ocean City, MD	18	08/26/01
	M Wahlgren	30 mi. E Salisbury, MA	06/04/01	P LaBrie	Offshr., Jeffreys Ledge, MA		09/06/01
Red Drum							
17	L Gordon Jr.	Lynnhaven R., VA	07/02/00	R Koontz	Cape Pt., Buxton, NC	24	02/09/01
17	J Wright	Venice, FL	01/11/01	R Couchot	Englewood, FL	18	02/24/01
Red Grouper							
17	J Clark	Ramrod Key, FL	01/06/01	J Clark	Ramrod Key, FL	17	01/18/01
14	J Clark	Ramrod Key, FL	01/02/01	J Clark	Ramrod Key, FL	14	01/18/01
18	J Clark	Ramrod Key, FL	01/18/01	J Clark	Ramrod Key, FL	18	01/25/01
18	J Clark	Ramrod Key, FL	01/25/01	J Clark	Ramrod Key, FL	18	01/27/01
18	J Clark	Ramrod Key, FL	01/27/01	J Clark	Ramrod Key, FL	18	01/30/01
18	J Clark	Ramrod Key, FL	01/30/01	J Clark	Ramrod Key, FL	18	02/09/01
18	J Clark	Ramrod Key, FL	02/09/01	J Clark	Ramrod Key, FL	18	02/22/01
19	J Della Porta	Marco Is., FL	04/04/01	P Christensen	Marco Is., FL	19	04/15/01
Sheepshead							
11	D McConnell	Treasure Is., FL	01/09/02	Unknown fisherman	Treasure Is., FL	11	02/10/01
Snook							
22	A Schweithelm	Boca Grande, FL	04/02/01	R Gibson	Boca Grande, FL	22	04/10/01
Southern Flounder							
12	J Wright	Venice, FL	11/30/00	D Cecil	Venice, FL	13	02/07/01
18	J O'Keeffe	Indian R., Stuart, FL	04/26/99	R Carr	Indian R., Stuart, FL	21	03/14/01
Striped Bass							
18	B Fonash	Strathmere, NJ	10/02/96	J Janda III	Tilghman Is., MD		02/25/99
19	B Fonash	Strathmere, NJ	10/01/96	W Logan	Woodland Beach, DE		04/15/99
14	R Stasinos	Stamford, CT	09/27/98	J Steneck	Lloyd Neck, NY	24	11/01/99
25	C Kennedy	Hereford Inlet, NJ	12/05/98	T Kohler	Esopus Lt., NY	25	05/01/00
27	S Jakubowski	West Bank Lt., NY	11/29/99	A Zygmuntowicz	Chatham, MA	31	08/15/00
33	A D'Amato	Cape May, NJ	11/01/99	A Zygmuntowicz	Chatham, MA	28	08/15/00
22	A LoCascio	Throgs Neck Brdg., NY	11/14/99	A LoCascio	Throgs Neck Brdg., NY	22	11/19/00
36	M Brooking	Troy Dam, NY	04/18/00	G Haywood	Offshr., VA Beach, VA		01/05/01
30	S Jakubowski	Raritan Reach, NJ	05/11/00	G Haywood	Offshr., VA Beach, VA		01/05/01
22	A D'Amato	3 mi. E Cape May, NJ	11/09/00	SEAMAP Cruise	S of Oregon Inlet, NC	22	01/16/01
25	S Hartmann	Eatons Neck, NY	09/11/99	R/V Oregon	Outer Banks, NC	23	01/17/01
19	JC Wright	Ches. Bay Brdg. Tun., VA	12/21/00	R/V Oregon	Outer Banks, NC	20	01/17/01
27	D Kelly	Orient Pt., NY	06/16/00	R/V Oregon	Outer Banks, NC	30	01/17/01
22	T Lake	Bay Ridge, NY	11/26/99	K Letherer	Newport, RI	28	02/01/01
14	A Schweithelm	Crab Meadow Beach, NY	08/18/00	J Palma	Crab Meadow Beach, NY	18	02/02/01

Species Length	Tagger	Place Tagged	Date	Recapturer	Location	Length	Date
23	T Matraxia	Flynn's Knoll, NJ	06/15/99	M Cannan	Chester R , MD		02/02/01
21	T Shaheen	Rumson, NJ	05/02/99	R Graham	Surry, VA	24	02/03/01
32	S Fries	Montauk Pt., NY	10/15/99	B Fleming	Oregon Inlet, NC		02/04/01
23	R Kyker	Norwalk, CT	08/20/00	R Graham	Surry, VA	24	02/07/01
27	E Petronio Jr.	Block Is., RI	08/02/00	F/V Dixie Dandy	E of Outer Banks, NC	28	02/08/01
33	A D'Amato	Cape May, NJ	10/25/00	J Lancaster	4 mi. N Oregon Inlet, NC	33	02/13/01
42	R Gardrel	Block Island, RI	07/03/00	T Barnes	Oregon Inlet, NC		02/15/01
29	D Kelly	The Race, L.I. Sound	08/22/00	D Lester	Roanoke Sound, NC	31	02/15/01
22	A Wright	Island Beh. St. Pk., NJ	11/04/00	T Marks	Surry, VA	24	02/15/01
23	T Matraxia	Raritan Bay, NY	05/13/00	D Lester	Pamlico Sound, NC	29	02/20/01
23	M Simmons	Barnegat Light, NJ	07/21/97	S Romaine	Hatteras, NC	38	02/25/01
25	S Hartmann	Eatons Neck, NY	06/20/99	B Swann	Cobb Is., MD	27	02/27/01
20	T Rinaldi	Baiting Hollow, L.I., NY	11/03/93	J Katsaros	Northport, NY	30	02/28/01
27	R Gardrel	Block Island, RI	08/21/00	J Zimmerman	Bowers Beach, DE	27	03/01/01
23	G Nigro	Flynn's Knoll, NJ	10/17/98	R McKeil	Oregon Inlet, NC	28	03/02/01
14	A Schweithelm	Asharoken, NY	07/12/00	J Mahan	Jersey City, NJ	16	03/10/01
36	A Anderson	Block Is., RI	06/01/00	M Breiholz	E Kill Devil Hills, NC	38	03/10/01
18	D Hoxsie	Charlestown, RI	06/03/00	M Morse Sr.	Cohansey Cove, DE Bay, NJ	22	03/13/01
28	S Brodsky	Long Beach, NY	10/22/00	T Baum	Delaware Bay, NJ	28	03/15/01
25	M Russo	Sailor's Haven, E.I., NY	11/01/00	R Bundick	1 mi. E Cedar Is., VA		03/15/01
18	J Myers	Nauset Beach, MA	07/20/00	A Martin	Norwich, CT	22	03/19/01
24	A D'Amato	Cape May, NJ	04/15/99	E Jett	Fairview Beach, VA	27	03/23/01
23	J Baker	Indian R. Inlet, DE	12/15/99	F Maddox	Pocomoke Sound, VA		03/24/01
19	H Sweet	Providence, RI	07/23/99	R Hoellger	Haverstraw Bay, NY	26	03/25/01
25	W Smagalski	Upper Hackensack R., NJ	10/30/99	V Kowalski	Hackensack R., NJ	29	03/25/01
21	G Nigro	Sandy Hook, NJ	11/06/99	R Croft	Montville, CT	26	03/26/01
21	T Marburger	Northport, NY	04/20/99	N Rizzuto	Piermont, NY	26	03/27/01
20	A Anderson	Thames R., CT	12/29/00	S Warner	Groton, CT	21	03/28/01
30	R Szellan	Old Orchard Lt., NY	05/16/00	T Baum	Delaware Bay, NJ	32	03/28/01
24	A Schweithelm	Montauk, NY	06/11/99	A Loving	Quantico, VA	26	03/31/01
15	A Anderson	Thames R., CT	11/28/98	J Carr	Norwich Hbr., CT	18	04/01/01
29	A LoCascio	Execution Lt., NY	05/21/99	M Morse Sr.	Middle Grounds, DE Bay	31	04/01/01
17	B Shillingford	Strathmere, NJ	08/01/98	W Pallen	Bowers Beach, DE	23	04/03/01
24	R Chmiel	Fishers Is., NY	07/02/98	J Fabryka	Fenwick Is., DE	26	04/03/01
18	F Ryan	Darien, CT	11/12/00	D Labriola	Dwiding Cr., DE Bay, NJ		04/04/01
20	R Pearson Jr.	Breezy Pt., NY	11/10/98	T Baum	Delaware Bay, NJ	24	04/05/01
24	L Gonnello	Ambrose Chan., NY	11/01/98	J Matkovic	Island Beach St. Pk., NJ	31	04/06/01
19	F Stunkel	Stamford, CT	10/23/00	S Hoang	Fishkill, NY		04/06/01
26	E Feret	Freeport, NY	05/24/99	M Pagani	Baltimore, MD	39	04/07/01
39	R Maumone	Rye, NH	06/11/00	VIMS Gill Net	James R., VA	40	04/09/01
23	J Casey	Manasquan, NJ	11/15/00	J Knowles	Delaware Bay	23	04/10/01
14	D Hoxsie	Charlestown, RI	06/28/98	B Khouri	Great Kills, NY	24	04/12/01
14	A Messina Jr	Little Neck Bay, NY	07/16/00	A LoCascio	Manhasset Bay, NY	15	04/13/01
18	G Blank	Governors Is., NY	11/20/99	D Garey	Fishkill Cr., NY	23	04/14/01
20	R Nystrom	Bridgeport, CT	10/15/98	R Leja	Bridgeport, CT	27	04/14/01
25	R Conklin	Moriches Inlet, NY	06/21/99	M Witham	South Amboy, NJ	30	04/14/01
24	J Ragusa	Great South Bay, NY	11/12/00	D Lemke	S Cmd. Barry Brdg., NJ		04/15/01
17	A Schweithelm	Asharoken, NY	09/28/00	F Williams	Alpine, NJ	18	04/15/01
19	P Hierholzer	Avalon, NJ	11/25/98	A Varelli Sr.	Gloucester City, NJ	19	04/15/01
15	C Carroll Jr.	Bay Head, NJ	12/19/98	M Kern	West Cr., Cape May, NJ	25	04/16/01
14	T Lake	Robbins Reef, NJ	11/26/99	S Kelly	Secaucus, NJ	17	04/18/01
22	J Drew	Hope Is., RI	06/11/00	C Shirey	Wilmington, DE	24	04/19/01
22	W Brett	Provincetown, MA	07/29/00	E Dubinsky	Reeds Beach, NJ	24	04/19/01
23	C Carroll Jr.	Sandy Hook, NJ	10/05/99	G Grieb	Tappan Zee Brdg., NY	24	04/20/01
18	G Blank	Verrazano Brdg., NY	11/25/00	B Baskerville Sr.	Newark Bay @ Bayonne, NJ	19	04/20/01
17	R Conklin	Moriches Inlet, NY	11/02/00	J Davin	Haverstraw Bay, NY		04/21/01
36	D O'Rourke	Old Orchard Lt., NY	05/18/00	J Kramer	Potomac R., MD	36	04/21/01
29	A Anderson	Block Is., RI	07/04/00	G James	Mid Chesapeake Bay, MD	31	04/21/01
21	D Hoxsie	Charlestown, RI	05/30/99	K Moss	Chesapeake Beach, MD	26	04/21/01
21	JC Wright	Linkhorn Bay, VA	02/15/01	J Hammond	Lynnhaven Inlet, VA		04/21/01
3	C Kennedy	2 mi. S Cape May Pt., NJ	01/08/00	R Mogel	Tilghman Is., MD	34	04/21/01
28	R Dobrowolski	Trenton, NJ	04/10/01	W Doherty	Trenton, NJ	32	04/22/01
18	B Sampson	Montville, CT	04/25/00	B Cummings	N. Cape May, NJ		04/22/01
24	V Galgano	Long Branch, NJ	11/18/00	R Bergman	Brant Beach, NJ	25	04/23/01
21	T Marburger	Northport, NY	12/03/00	W Grubb	West Haven, CT	23	04/25/01
22	G Clusman	Sandy Hook, NJ	05/14/98	D Barnes	Kent Is., MD	30	04/25/01
27	A Anderson	Block Is., RI	06/14/00	M Tutalo	Sandy Hook, NJ		04/26/01

Species Length	Tagger	Place Tagged	Date	Recapturer	Location	Length	Date
19	D Zurheide	Ellis Island, NY	07/12/94	J Cooper	Fishkill, NY		04/26/01
16	G Blank	NY Harbor	11/25/00	J Cooper	Fishkill, NY	16	04/26/01
19	W Brett	Provincetown, MA	06/15/00	G Hecker	Philadelphia, PA	23	04/29/01
14	A Anderson	Thames R., CT	12/29/00	T Marburger	Northport, NY	14	04/29/01
18	R Ries	Cold Spring Hbr., NY	10/14/00	T Marburger	Northport, NY	18	04/29/01
22	T Shaheen	Rumson, NJ	06/07/99	N Berkman	Keansburg, NJ	25	04/29/01
20	J Della Porta	Swampscott, MA	07/23/00	T Baum	Delaware Bay, NJ	21	04/30/01
21	N Fiorillo Jr.	Sandy Hook, NJ	11/12/00	R Wilson	Ocean City, NJ		04/30/01
24	A Anderson	Block Island, RI	10/22/00	C Steinmann	Barneгат Bay, NJ	27	04/30/01
24	C Carroll Jr.	Shrewsbury Rocks, NJ	11/07/00	R Wilson	Ocean City, NJ		04/30/01
26	A Anderson	Block Is., RI	06/21/99	T Baum	Delaware Bay, NJ	28	05/01/01
17	A Messina Jr.	Manhasset Bay, NY	09/24/99	J Malonado	East R., NYC	20	05/01/01
32	A Anderson	Block Island, RI	10/25/00	K Pelczar	Old Orchard Lt., NY	38	05/01/01
16	G Ottavio	Cape May, NJ	10/17/98	DE Div. of F & W	Pennsville, NJ	20	05/01/01
30	A D'Amato	Cape May, NJ	11/01/00	B Faux	Barneгат Inlet, NJ	30	05/01/01
21	A Anderson	Galilee, RI	10/29/98	E DeGrote	Eddyville, NY	26	05/02/01
20	F Stunkel	Stamford, CT	09/18/96	J Boland	S of Ches. Bay Brdg., MD	34	05/02/01
24	C Wilcox III	Moriches Inlet, NY	10/26/00	J Dever	Island Beach St. Pk., NJ	27	05/02/01
15	G Blank	Verrazano Brdg., NY	11/20/00	J Balogh	Bear Mountain, NY		05/02/01
23	P Grippo	Mernck Bay, NY	09/13/99	W Werner	Germentown, NY	28	05/02/01
23	W Marker	E. Rockaway Inlet, NY	06/10/00	B Mathews	Pungoteague Cr., VA	24	05/03/01
24	J Daly	Elberon, NJ	10/30/00	T Tesch	Raritan Reach Chan., NJ	28	05/03/01
27	L Gonnello	Flynn's Knoll, NJ	06/28/00	A Ciambrone	Rumson Brdg., NJ	30	05/03/01
16	G Ottavio	Cape May, NJ	10/24/00	J Lee	Reeds Beach, DE Bay, NJ		05/03/01
18	D Hoxsie	Charlestown, RI	06/29/00	B Picard	East Haddam, CT		05/04/01
29	S Jakubowski	Old Orchard Lt., NY	05/16/00	J Kling	Ches. Bay Brdg., MD	36	05/04/01
19	H Sweet	Providence, RI	09/15/99	C Williams	Seaside Pk., NJ	22	05/04/01
14	A Anderson	Thames R., CT	11/26/00	M Richard	Montville, CT		05/04/01
13	A Schweithelm	Eatons Neck, NY	06/14/99	A Crisci	Beacon, NY	19	05/05/01
24	K Hollins	Seaside Pk., NJ	12/16/97	C Sepkaski	Shelton, CT	34	05/05/01
18	S North	Long Branch, NJ	11/18/00	J Lambariello	N. Lavallette, NJ		05/05/01
27	A Anderson	Block Is., RI	06/16/00	A Lino	Keyport, NJ	27	05/05/01
22	S Torpey	Keyport, NJ	04/18/01	D Preston	Shelter Is., NY		05/05/01
35	R Conklin	Moriches Inlet, NY	10/11/00	B Thurman	Morches Inlet, NY	37	05/05/01
15	A Schweithelm	Northport, NY	02/10/01	I Ismaili	North Haven, CT		05/05/01
39	R Gardrel	Block Island, RI	11/12/00	T Krause	Albany, NY		05/06/01
15	H Sweet	Warren, RI	07/13/98	D Roberts	Thames R., CT	22	05/06/01
16	A Anderson	Thames R., CT	11/26/00	G McPhee	Thames R., CT	18	05/06/01
19	A Schweithelm	Eatons Neck, NY	08/05/00	G Epstein	W. Long Branch, NJ		05/06/01
28	A Anderson	Block Is., RI	06/21/00	S Torpey	Sandy Hook, NJ	29	05/06/01
23	G Blank	East R., NYC	11/06/98	J Svenda	Port Monmouth, NJ	29	05/07/01
20	W Matuszak	Gilgo Bch., NY	06/02/00	E Seiegel	Sandy Hook, NJ	24	05/07/01
26	R Locke	Provincetown, MA	07/09/00	C Foster	Upper Raritan Bay, NJ	30	05/07/01
22	B Shillingford	Strathmere, NJ	10/03/99	D Quasney	Cove Pt., MD	27	05/07/01
16	A Messina Jr.	Little Neck Bay, NY	10/22/99	J Medina	F.D.R. Drvve, NYC	19	05/07/01
21	I Mittelmark	Jones Beach Inlet, NY	07/05/00	R Newallis Jr.	Keansburg, NJ	23	05/07/01
23	A Messina	Little Neck Bay, NY	08/29/99	M Prete	Six Mi. Reef, Clinton, CT	25	05/08/01
24	R Leja	Bridgeport, CT	10/23/98	J Colburn	Norwich, CT	31	05/09/01
30	R Notine	Tin Can Grounds, NY	11/02/00	L Gonnello	Staten Is., NY	30	05/09/01
26	B Masse	Narragansett Bay, RI	08/30/99	M Kahney	Island Beach St. Pk., NJ	29	05/09/01
23	S North	Atlantic Highlands, NJ	11/20/99	R Johnson	Island Beach St. Pk., NJ	26	05/09/01
19	M Simmons	Barneгат Light, NJ	11/19/97	B Rinelli	Sandy Hook, NJ	24	05/09/01
28	A Anderson	Block Is., RI	09/29/00	J McCombre	Island Beach St. Pk., NJ	29	05/10/01
26	P Johnson Sr.	Charlestown, RI	10/21/00	P Maranda	Cape Cod Canal, MA	28	05/11/01
25	D Kelly	Sag Harbor, NY	06/19/00	B Jemison	Sandy Hook Bay, NJ	27	05/11/01
24	S Jakubowski	Hoffman Is., NY	11/17/00	A Lino	Jamaica Bay, NY	28	05/11/01
23	C Carroll Jr.	Sandy Hook, NJ	09/30/00	L Gonnello	Old Orchard Lt., NY	26	05/11/01
23	J Della Porta	Swampscott, MA	09/09/99	M Parks	Plum Gut, NY	29	05/12/01
25	A Teal	Raritan Bay, NJ	06/12/99	C Carroll Jr.	270 Bright, NJ	28	05/12/01
12	B Shillingford	Corson's Inlet, NJ	10/06/94	B Shillingford	Strathmere, NJ	25	05/12/01
16	R Conklin	Norwalk, CT	06/28/00	F Pena	158th St., Hudson R., NYC	18	05/12/01
20	H Sweet	Warren, RI	09/28/98	J Polando	Warren, RI		05/12/01
8	M Willey	Augustine Beach, DE	07/13/00	M Willey	Augustine Beach, DE	10	05/12/01
25	W Marker	E. Rockaway Inlet, NY	06/09/00	R Diefenbach	Keyport, NJ		05/12/01
19	M Strober	Hell Gate, NYC	10/09/00	F Shelton	U.N., East R., NYC	19	05/12/01
17	E Petronio Jr.	Pt. Judith, RI	06/02/98	K Markow	Spring Lake, NJ	27	05/13/01
28	A Anderson	Block Is., RI	07/13/00	B Simonetti	Rockaway Beach, NY	31	05/14/01

Species	Length	Tagger	Place Tagged	Date	Recapturer	Location	Length	Date
24	R Conklin	Moriches Inlet, NY		10/08/99	B Geres	Moriches Bay, NY	26	05/14/01
18	S Knapik	Jones Beach, NY		10/31/99	J Smith	Loveladies, NJ	25	05/14/01
26	A D'Amato	Cape May Hbr., NJ		03/30/00	M Costa	Westport R., MA	31	05/14/01
26	R Szellan	Verrazano Brdg., NY		11/02/00	M Binder	Lavallette, NJ	27	05/14/01
22	J Della Porta	Lynn, MA		08/10/99	K Murphy	Truro, MA	26	05/14/01
12	T Lake	Bay Ridge, NY		11/21/98	R Pancoast	Barnegat Lt., NJ	23	05/15/01
20	R Nystrom	Bridgeport, CT		04/14/01	L Fox	S. Windsor, CT		05/15/01
17	R Grobarz	Sea Bright, NJ		12/10/97	F Christenson	Hempstead Hbr., NY	30	05/15/01
19	W Perlman	Atlantic Beach, NY		09/12/92	R Bellington	Jamaica Bay, NY	30	05/15/01
22	C DeFoe	Deal, NJ		11/18/00	T Chiarappo	Race Pt., MA	22	05/15/01
22	GS Gray	Charlestown, RI		05/31/00	R Mracek	Charlestown, RI		05/15/01
23	A D'Amato	5 mi. S Cape May, NJ		11/29/99	R Pockett	Niantic, CT		05/15/01
15	J Mahan	Jersey City, NJ		05/10/01	K Nelson	Essex, CT	18	05/15/01
37	A LoCascio	Manhasset Bay, NY		06/20/96	R Mracek	Charlestown, RI		05/15/01
32	C Chechoski Jr.	Housatonic R., CT		05/09/01	J Verbanic	Derby dam, CT	34	05/16/01
20	A Anderson	Charlestown, RI		10/14/98	S Inthinson	E Haddam, CT	25	05/16/01
20	W Smagalski	Upper Hackensack R., NJ		10/19/00	R Koeppen	Hackensack R., NJ		05/16/01
20	C Carroll Jr.	Normandy Beach, NJ		12/27/98	P Chydlo	Newburgh, NY	24	05/16/01
24	S Jakubowski	Romer Shoal, NJ		06/27/00	J Thummel	Barnegat Inlet, NJ	27	05/16/01
26	A D'Amato	Cape May Inlet, NJ		03/30/00	T Sehna	Perth Amboy, NJ	26	05/17/01
18	E Petronio Jr.	Pt. Judith, RI		05/15/98	G Weber	Galilee, RI	28	05/17/01
14	G Kerkhan	Raritan Bay, NJ		09/16/97	L Sehna	Perth Amboy, NJ	24	05/18/01
30	W Marker	E. Rockaway Inlet, NY		06/10/00	R Coffey	Sandy Hook, NJ		05/18/01
22	G Palmer	Island Beach St. Pk., NJ		04/21/01	R Connors	Barnegat Bay, NJ		05/18/01
25	R Leja	Bridgeport, CT		10/03/98	J Wygand	Cold Spring Hbr., NY		05/18/01
28	A Anderson	Montauk Pt., NY		05/13/00	B Biedinger	Shrewsbury R., NJ	30	05/18/01
24	K Hollins	Island Bch. St. Pk., NJ		10/20/00	P Haertel	Island Beach St. Pk., NJ	26	05/18/01
22	B Shillingford	Fiat Creek, NJ		09/25/97	R Manera	Cape May Inlet, NJ	24	05/18/01
26	W Perlman	Rockaway, NY		11/18/99	R Popp	Moriches Bay, NY		05/18/01
20	R Leja	Bridgeport, CT		10/25/00	T Slaughaupt	East Haven, CT	22	05/19/01
24	T Rinaldi	Matituck, NY		07/28/00	F Mildner	Mt. Sinai, NY	25	05/19/01
25	D Kelly	Sag Harbor, NY		06/01/00	A Matthers	Sag Harbor, NY	26	05/19/01
29	A Anderson	Block Is., RI		09/20/96	G Assenza	Sands Pt., NY	35	05/19/01
29	A Anderson	Montauk, NY		05/11/01	J Talbot	The Race, L.I. Sound	31	05/19/01
18	H Sweet	Providence, RI		07/29/99	R Piedmont	Democrat Pt., L.I., NY	26	05/19/01
26	E Feret	Freeport, NY		05/18/99	A Casciano	Freeport, NY	29	05/19/01
21	A Schweithelm	Northport, NY		03/25/01	N Hursh	Watch Hill, RI	21	05/19/01
25	G Nigro	Sandy Hook, NJ		05/29/99	S Gabler	Little Egg Inlet, NJ	28	05/19/01
20	D Goodwin	Jones Inlet, NY		11/26/99	K Taffurelli	Bay Ridge Flats, NY	22	05/19/01
24	T Matraxia	Sandy Hook, NJ		09/26/99	V Sharma	Chesapeake Bay, VA	27	05/19/01
22	M Simmons	Barnegat Lt., NJ		10/31/00	J Fisette	Prudence Is., RI	22	05/20/01
24	R Pirone	Hart Is., NY		06/19/00	R Dolby	Kings Pt., NY	25	05/20/01
31	S Jakubowski	Old Orchard Lt., NY		05/17/00	R Polo	Atlantic Highlands, NJ	37	05/20/01
15	S Knapik	Jones Beach, NY		11/20/99	R Simon	Cape May Pt., NJ	17	05/20/01
27	J Beaver	7s, Sandy Hook, NJ		06/17/00	D Atkin	Orange Cty., Hudson R., NY	28	05/20/01
17	E Taylor	Sea Bright, NJ		05/06/00	J Dotsey	Long Beach, NY	20	05/20/01
28	C Carroll Jr.	Sandy Hook, NJ		09/16/00	M McCarthy	Sandy Hook, NJ		05/20/01
43	F Neuscheler	Fire Is., NY		10/25/00	R Bauer	Bourne, MA	43	05/21/01
23	G Horvath	Barnegat Inlet, NJ		08/23/00	J Gilkey	Island Beach St. Pk., NJ	25	05/21/01
22	D Kelly	Orient Pt., NY		06/25/00	H Wheelock	Haddam, CT	25	05/22/01
30	F Jessup II	Quogue, NY		10/15/00	B Elliott	Indian R. Inlet, DE	31	05/22/01
28	A Anderson	Block Is., RI		06/15/00	P Rosetta	Haddam, CT	29	05/23/01
25	M Tabasso	Ventnor, NJ		05/01/01	D Talerico	Island Beach St. Pk., NJ		05/23/01
19	H Sweet	Warren, RI		06/07/99	J Polando	Warren R., RI		05/23/01
26	A Anderson	Block Is., RI		09/29/00	J Den Bleyker	Island Beach St. Pk., NJ	27	05/23/01
20	W Anderson	Provincetown, MA		10/17/00	M Peden	Montauk Pt., NY		05/23/01
13	H Sweet	Warren, RI		06/12/98	J Polando	Warren R., RI		05/23/01
23	G Ciriello	Pt. of Sandy Hook, NJ		11/06/97	D Bier	Rantan Bay, NJ	27	05/24/01
17	D Hoxsie	Pt Judith, RI		08/19/97	H Kampton	Pt. Lookout, NY	29	05/24/01
21	M Simmons	Barnegat Lt., NJ		09/30/97	T Andreasen	Flynn's Knoll, NJ	33	05/24/01
27	P Grippo	Jones Beach, NY		11/19/00	J Johnston	Sagamore, MA	27	05/24/01
26	R Conklin	Moriches Inlet, NY		06/03/00	C Pulver	Moriches Bay, NY	28	05/25/01
23	G Blank	East R., NYC		10/12/97	D Rodriguez	96th St., East R., NYC	28	05/25/01
30	F Coronato	Flynn's Knoll, NJ		06/15/98	N Petrou	Jamaica Bay, NY	36	05/25/01
23	T Marburger	Shinnecock Inlet, NY		06/22/99	B Ferro	Seaford, NY	28	05/25/01
21	F Stunkel	Stamford, CT		07/24/98	J Verbanic Jr.	Derby, CT	28	05/25/01
26	P Grippo	Black Bks., Wantagh, NY		06/16/00	V Gangi	Black Bks., Wantagh, NY	30	05/25/01

Species	Length	Tagger	Place Tagged	Date	Recapturer	Location	Length	Date
	18	H Sweet	Warren, RI	10/31/99	D Wilson	Taunton R., MA	22	05/26/01
	20	G Canning	Atlantic City, NJ	05/20/00	S Scopoulis	Beach Haven, NJ	24	05/26/01
	26	C Jazmin Jr.	Great Egg Bay, NJ	05/11/95	L Esposito	Great Egg Hbr. R., NJ	32	05/26/01
	30	C Wilcox III	Moriches Inlet, NY	11/23/99	M Zajicek	Moriches Bay, NY	35	05/26/01
	22	C Carroll Jr.	Sandy Hook, NJ	09/25/00	E Senz	Sandy Hook, NJ	22	05/26/01
	27	R Thestrup	Rhinecliff, NY	05/04/01	K Carson	East R., NYC	27	05/26/01
	23	P Grippio	Merrick Bay, NY	11/10/99	W Firtion	RI waters	27	05/26/01
	17	T Shaheen	Rumson, NJ	04/18/99	G Sacco	Flynn's Knoll, NJ	26	05/26/01
	17	J Casey	Sea Girt, NJ	06/08/00	G Nilsen	Fire Is. Inlet, NY	23	05/26/01
	10	G Horvath	Trenton, NJ	05/10/01	M Virgulti	Bristol, PA		05/26/01
	20	R Kyker	Norwalk, CT	11/06/99	E Mulak	Yarmouth Port, MA	24	05/27/01
	23	G Karr	Island Beach St. Pk., NJ	05/20/01	P Langenbach	Sandy Hook, NJ		05/27/01
	21	R Stroz	Sandy Hook, NJ	11/08/00	R Edward	Atlantic Beach Brdg., NY		05/27/01
	23	W Perlman	Atlantic Bch., NY	05/09/99	R Hirschberg	Reynold's Chan., NY	28	05/27/01
	15	A Anderson	Thames R., CT	04/07/01	P Maglio	E. Boston, MA		05/27/01
	14	J Yamakaitis	Sandy Hook, NJ	10/31/97	R Johnson	Island Beach St. Pk., NJ	25	05/27/01
	19	J Calamia	East R., NY	01/07/98	M Monem	Canarse, NY	27	05/27/01
	19	P Chowansky	Sea Girt, NJ	06/21/99	M Riesz	Raritan Bay, NJ	27	05/27/01
	23	R Kyker	Norwalk, CT	10/27/99	B Odon	Deal, NJ	26	05/28/01
	24	R Pirone	Hart Is., NY	06/19/00	W Koschak	Hart Is., NY	25	05/28/01
	26	L Gonnello	Flynn's Knoll, NJ	06/27/00	R Sarinelli	Flynn's Knoll, NJ	26	05/28/01
	25	D Kelly	Fishers Is., NY	06/24/00	N Steinmeyer	Salisbury Bch, MA	28	05/28/01
	27	R Thulin	Norwalk Islands, CT	08/03/98	H Bussem	Highlands Brdg., NJ	31	05/28/01
	24	F Heal	West Bank Lt., NY	11/20/99	A Solana	Flynn's Knoll, NJ	27	05/28/01
	25	R Stroz	Flynn's Knoll, NJ	07/08/00	H Nabas	Flynn's Knoll, NJ	29	05/28/01
	20	G Blank	Hell Gate, NY	09/23/00	W Ackerman	63rd St , East R., NYC		05/29/01
	25	M Strober	Upper East R., NYC	06/17/00	B Kondracki	East R., NYC	27	05/29/01
	26	A D'Amato	Cape May Inlet, NJ	12/04/99	C Moran	Dennis, MA	30	05/29/01
	17	JC Wright	Ches. Bay Brdg. Tun., VA	12/21/00	D Benhoff	Tilghman Is., MD	21	05/29/01
	27	W Perlman	Rockaways, NY	11/20/00	N Calheta	Fairhaven, MA	29	05/29/01
	22	R Conklin	Moriches Inlet, NY	11/19/99	D Sherry	Seaside Pk., NJ	28	05/29/01
	29	J Balicki	Lavallette, NJ	11/06/00	F Massaro	Lavallette, NJ	31	05/29/01
	27	L Gonnello	Belford, NJ	10/27/99	A Beaudoin	Salisbury, MA	29	05/29/01
	26	A LoCascio	Larchmont, NY	09/17/99	E Eichin	Hempstead Hbr., NY	28	05/29/01
	23	J Casey	Old Field, NY	11/09/00	L Thai	Westport, CT		05/30/01
	34	S Jakubowski	Raritan Reach, NJ	05/10/99	B Wazek	Block Is., RI	35	05/30/01
	23	R Stroz	Flynn's Knoll, NJ	07/04/00	R Lay	Raritan Bay, NJ	26	05/30/01
	27	W Perlman	Long Beach, NY	10/24/00	J Campbell	Bourne, MA	30	05/30/01
	21	T Baricevich	Flynn's Knoll, NJ	11/20/99	D Ross	Waquoit Bay, MA	22	05/30/01
	20	R Slobodian	Trenton, NJ	06/25/00	F Dringos	Trenton, NJ		05/31/01
	22	H Sweet	Warren, RI	05/31/98	G Richard	Warren, RI	27	05/31/01
	27	R Villella	Warren R., RI	06/22/00	J Morrison	Warren, RI	29	05/31/01
	15	H Sweet	Warren, RI	07/29/98	F Maciel	Warren, RI	27	05/31/01
	24	M Strober	Hell Gate, NY	04/22/00	D Lyons	Fishers Is., NY	24	06/01/01
	23	W Perlman	Romer Shoal, NJ	04/27/01	R Parabiscoti	Bourne, MA		06/01/01
	23	H Bowman III	Fire Is. Inlet, NY	05/10/01	M Fedora	Fire Is. Inlet, NY	24	06/01/01
	28	C Kennedy	2 mi. SE Cape May Inlet, NJ	11/14/00	M Haight	Guilford, CT	28	06/01/01
	26	A Anderson	Block Is., RI	05/15/01	L Winston	Orient Pt., NY	29	06/01/01
	21	R Slobodian	Bristol, PA	05/20/01	P Steiner	Lambertville, NJ		06/01/01
	19	GS Gray	Charlestown, RI	05/30/98	L McCarthy Jr.	Wantagh Brdg , L.I., NY	24	06/01/01
	21	R Kyker	Norwalk, CT	10/18/97	W Ellison	Raritan Bay, NJ	30	06/02/01
	27	K Carrigan	Rockport, MA	10/05/00	P Loboza	Gilgo Beach, NY	28	06/02/01
	26	R Conklin	Moriches Inlet, NY	11/21/99	H Edwards	Moriches Inlet, NY	31	06/02/01
	27	R Villella	Warren R., RI	06/16/00	J Velardo	Warren, RI		06/02/01
	24	W Marker	Atlantic Beach, NY	06/05/00	C Gerstner	Sandy Hook, NJ	26	06/03/01
	25	A Anderson	Block Is, RI	06/25/00	W McGinley	Indian R. Inlet, DE	29	06/03/01
	16	A Anderson	Connecticut R., CT	05/10/01	M McCabe	Mystic R., CT	16	06/03/01
	22	K Hollins	Island Beach St. Pk., NJ	11/04/00	R Fadowski	Jones Inlet, NY	23	06/03/01
	24	T Leonards	Sea Isle City, NJ	05/25/01	G Smith	Pt. Pleasant Beach, NJ	25	06/03/01
	29	J Daly	Deal, NJ	10/02/00	V Gathmann	Deal, NJ	31	06/03/01
	27	A Anderson	Block Is., RI	07/18/00	C Erdmann	Wantagh, NY	30	06/03/01
	17	A Anderson	Thames R., CT	01/07/01	D Terwilliger	Saco R., ME		06/03/01
	26	T Leonards	Sea Isle City, NJ	07/17/00	M Robey	Island Beach St. Pk., NJ	29	06/04/01
	28	E Feret	Freeport, NY	09/10/99	M Holtz	Freeport, NY	31	06/04/01
	26	E Brachman	Plum Gut, NY	08/17/00	R Groh	Bellport, NY		06/04/01
	15	D Hoxsie	Charlestown, RI	05/03/98	J Polando	Warren, RI	20	06/05/01
	26	A Anderson	Block Is., RI	06/18/00	P Zega	Perth Amboy, NJ	28	06/05/01

Species	Length	Tagger	Place Tagged	Date	Recapturer	Location	Length	Date
	16	H Sweet	Warren, RI	10/04/98	J Polando	Warren, RI	19	06/05/01
	18	T McCandless	Jamestown, RI	09/28/98	P Grppo	Jones Beach, NY	23	06/05/01
	18	H Sweet	Bristol, RI	06/29/00	S Maggiacomio	Warren, RI	20	06/05/01
	23	R Pirone	Hart Is., NY	07/08/00	R Testasecca	SW of Hart Is., NY	24	06/05/01
	11	T Lake	Robbins Reef, NJ	11/26/99	D Crepeau	Narragansett, RI	16	06/06/01
	24	S Jakubowski	West Bank Lt., NY	06/10/00	D Watson	Wellfleet, MA		06/06/01
	30	A LoCascio	Throgs Neck Brdg., NY	11/12/00	G Petschauer	Glen Cove, NY	35	06/06/01
	27	E Scola	Lower Hudson R., NY	06/02/01	J Mahan	Statue of Liberty, NY	27	06/06/01
	23	P Chowansky	Island Bch. St. Pk., NJ	06/20/99	R Williams	Wantagh Pkwy. Brdg., NY	28	06/06/01
	23	R Pirone	Manhasset Bay, NY	07/13/00	L Madura	Manhasset Bay, NY		06/06/01
	25	T Marburger	Shinnecock Inlet, NY	06/13/99	T Pleski	Moriches Inlet, NY	30	06/06/01
	22	R Stroz	Sea Bright, NJ	11/17/99	M Harrington	Branford, CT	24	06/06/01
	21	F Adams	Hudson R., NJ	11/08/00	R Marcel	Jones Beach, NY		06/06/01
	20	A Schweithelm	Asharoken, NY	07/20/00	R Cedar	Eatons Neck, NY	23	06/06/01
	30	H Sweet	Warren, RI	09/18/00	J Wojtyto	Barrington, RI	31	06/06/01
	18	R Grobarz	Sandy Hook, NJ	06/04/97	J Colucci	Raritan Bay, NJ	27	06/07/01
	28	R Gardrel	Block Island, RI	07/12/00	M Morrin	Little Egg Inlet, NJ	29	06/07/01
	23	J Dickinson	Susquehanna flats, MD	03/27/00	J Shub	Baltimore Lt., MD	25	06/07/01
	17	M Strober	Robbins Reef, NY	08/30/98	S Gendi	Bayonne, NJ		06/08/01
	24	A Anderson	Block Island, RI	07/05/00	R Meola	Island Beach St. Pk., NJ	25	06/08/01
	22	S North	Long Branch, NJ	11/18/00	J Spahr	Rockaway Reef, NY	23	06/08/01
	26	L Gonnello	Romer Shoal, NJ	10/11/99	A Dzikowicz	Bay Ridge, Bklyn., NY	28	06/08/01
	16	A Schweithelm	Northport, NY	04/13/00	G Karas	Naugatuck R., Derby, CT		06/09/01
	28	A Anderson	Block Is., RI	06/02/00	T Cirillo	Muskeget Chan., MA		06/09/01
	17	D Hoxsie	Charlestown, RI	06/03/99	E Dingee	Montauk Lt., NY		06/09/01
	29	W Marker	E. Rockaway Inlet, NY	05/30/00	K DuPryr Jr.	E. Rockaway Inlet, NY	35	06/09/01
	23	J Dalder	Hampton Bays, NY	08/25/00	J Zage	Southampton, NY	25	06/09/01
	23	W Marker	Atlantic Beach, NY	06/09/99	V Fiscella	Montauk, NY	28	06/09/01
	20	F Stunkel	Stamford, CT	10/25/93	A Goncalves	Chicopee, MA		06/09/01
	25	H Bowman III	Fire Is. Inlet, NY	05/08/01	B O'Halloran	Boston, MA	26	06/09/01
	17	K Grover III	Atlantic Highlands, NJ	10/12/00	C Rowe	Sagadchoc Bay, ME		06/10/01
	31	C Chechoski Jr.	Housatonic R., CT	05/26/01	J Verbanic Jr.	Derby, CT	32	06/10/01
	28	M Murray	Gloucester, MA	06/21/00	J Manzi	Gloucester, MA	30	06/10/01
	25	P Johnson Sr.	Block Island, RI	10/01/00	R Grillo	Barnegat Lt., NJ	26	06/10/01
	27	R Conklin	Moriches Inlet, NY	10/08/99	M Smith	Massapequa, NY	30	06/10/01
	28	A Anderson	Block Island, RI	10/26/00	R Phelan	Charlestown, RI	30	06/10/01
	22	R Conklin	Peconic R., NY	05/11/01	P Nguyen	1 mi. S Block Is., RI	23	06/10/01
	21	P Grippio	Swift Cr., Freeport, NY	09/15/00	B Ferrari	Fire Is. Inlet, NY	24	06/10/01
	16	A Messina	Kings Pt., NY	08/18/99	W Romeyko	Kings Pt., NY	21	06/10/01
	25	GS Gray	Charlestown, RI	10/05/98	S Chirdon	Charlestown, RI	29	06/11/01
	21	J Foti	Staten Is., NY	08/14/98	R Leyrer	Flynn's Knoll, NJ	24	06/11/01
	25	P Grippio	2nd Wantagh Brdg., NY	07/18/00	T Prokop	Barnegat Lt., NJ	28	06/11/01
	23	T Matraxia	Sandy Hook, NJ	06/10/01	J Dotsey	Rockaway, NY	23	06/11/01
	29	S Jakubowski	Breezy Pt., NY	10/23/00	J Van Baalen	N of Sesuit Hbr., MA	31	06/11/01
	17	H Sweet	Barrington, RI	06/10/98	J Steneck	Oyster Bay, NY	30	06/12/01
	28	J Beaver	7s, Sandy Hook, NJ	06/17/00	M Pimpinelli	Flynn's Knoll, NJ	30	06/12/01
	20	T Marburger	Northport, NY	04/22/01	W Purrier	Sandwich, MA	20	06/12/01
	29	F Casey	Boston, MA	05/29/01	A Campello	Mouth of Charles R., MA	30	06/12/01
	29	R Szellan	Sandy Hook Bay, NJ	05/18/00	G Lake	E. Rockaway Inlet, NY	33	06/12/01
	24	K Carrigan	Rockport, MA	07/08/00	F Cordero	Lawrence, MA	26	06/13/01
	20	A Anderson	Thames R., CT	12/29/00	A Messina Jr.	Little Neck Bay, NY	20	06/13/01
	35	G Blank	NY Harbor	10/26/00	J Rhein	Glen Cove, NY	38	06/13/01
	27	E Rodak Jr.	Island Bch. St. Pk., NJ	11/05/00	S Goodman	Topsham, ME	27	06/13/01
	17	A Schweithelm	Eatons Neck, NY	09/06/00	D Railo	Northport, NY		06/13/01
	27	L Gonnello	Flynn's Knoll, NJ	04/24/01	R Newallts Jr.	Flynn's Knoll, NJ	28	06/13/01
	29	R Guttadauro	Princess Bay, NY	10/22/00	C Dandrow	Flynn's Knoll, NJ	29	06/14/01
	20	R Conklin	Moriches Inlet, NY	05/10/98	J De Mto	Sandy Hook Chan., NJ	28	06/14/01
	19	A Anderson	Charlestown, RI	11/03/96	H Rocek	Hoffman Is., NY	29	06/14/01
	13	M Strober	East R., NYC	05/05/01	T Zemianek	Narragansett, RI	14	06/14/01
	10	J Mulkerin	Union Beach, NJ	05/04/96	B Roberts	Sandy Hook, NJ	20	06/14/01
	15	B Shillingford	Corson's Inlet, NJ	05/18/98	C Nardo	Somers Pt., NJ	23	06/14/01
	22	S Jakubowski	Romer Shoal, NJ	06/01/01	D Mundy	Jamaica Bay, NY		06/14/01
	31	W Perlman	Rockaways, NY	05/28/01	R Miclette	Block Is., RI		06/14/01
	25	L Gonnello	Flynn's Knoll, NJ	04/28/01	R Dreyer	1 mi. E Sandy Hook, NJ	25	06/15/01
	20	T McConnell	Provincetown, MA	06/13/00	D Detwiler	Little Egg Inlet, NJ	22	06/15/01
	22	G Kerhan	Elberon, NJ	09/09/00	M Noll	Deal, NJ	25	06/15/01
	21	L Vosseller	Island Beach, NJ	11/18/99	J Dotsey	Rockaway, NY	24	06/15/01

Species	Length	Tagger	Place Tagged	Date	Recapturer	Location	Length	Date
16	A	Anderson	Matunuck, RI	11/09/00	J Shampang	Provincetown, MA		06/15/01
20	H	Bowman III	Fire Island Inlet, NY	05/18/00	J Coleman	Reynold's Chan., NY	22	06/15/01
29	S	Jakubowski	Hoffman Is., NY	11/20/00	R Canlli	Verrazano Brdg., NY	30	06/15/01
29	R	Chmiel	Stonington, CT	05/28/00	A Fee	Fishers Is., NY	29	06/15/01
23	L	Gonnello	Flynn's Knoll, NJ	08/09/00	J De Mio	Flynn's Knoll, NJ	24	06/15/01
20	H	Sweet	Warren, RI	09/27/00	F Maciel	Warren, RI	24	06/15/01
22	T	Shaheia	Locust, NJ	05/26/01	R Rice	Provincetown, MA		06/15/01
16	A	Perednia	East R., NY	11/12/96	J Medina	Pier 35, NYC	22	06/15/01
25	A	Anderson	Block Is., RI	07/02/00	M Amodeo	Block Is., RI	28	06/16/01
31	C	Chechoski Jr	Derby Dam, CT	05/02/01	R Hadden	Derby Dam, CT	31	06/16/01
28	B	Bottino	Spring Lake, NJ	06/27/99	M Yajcaji	Shark R., NJ	31	06/16/01
23	S	Jakubowski	West Bank Lt., NY	06/17/00	G Maimone	Flynn's Knoll, NJ	25	06/16/01
27	G	Kerkhan	Sandy Hook, NJ	09/30/00	A Bencivenga	Sandy Hook, NJ	29	06/16/01
30	R	Thestrup	Kingston, NY	04/30/01	T Hansen	Island Beach St. Pk., NJ	30	06/16/01
21	G	Kerkhan	Sandy Hook, NJ	10/11/97	T O'Donnell	Sea Bright, NJ	31	06/16/01
20	G	Horvath	Barnegat Inlet, NJ	11/14/00	M Stafford	Barnstable Hbr., MA		06/17/01
24	P	Lowcher	Sea Bright, NJ	05/03/98	R Mahoney	Lower NY Bay	28	06/17/01
24	I	Mittelmark	Wantagh, NY	07/30/99	B Gottlieb	Meadowbrook Brdg., NY	30	06/17/01
30	G	Blank	NY Harbor	10/27/00	S Kasabula	Block Is., RI	30	06/17/01
24	L	Gonnello	Flynn's Knoll, NJ	06/29/00	H Bussem	Sandy Hook Rip, NJ	25	06/17/01
20	R	Nystrom	Bridgeport, CT	07/01/00	R Katz	Bridgeport, CT	23	06/18/01
36	D	Kelly	Sag Harbor, NY	05/08/99	R Drew	Shelter Is., NY	44	06/18/01
27	D	Kelly	Orient Pt., NY	09/28/99	R Winton	Norwich, CT	32	06/18/01
23	R	Nystrom	Bridgeport, CT	08/27/00	R Nystrom	Bridgeport, CT	25	06/18/01
27	M	Berger	Atlantic Beach Brdg., NY	05/30/01	J Thorne	Atlantic Beach Brdg., NY	28	06/18/01
19	G	Kerkhan	Sea Bright, NJ	06/11/01	N Pauels	Sea Bright, NJ	20	06/19/01
20	R	Pearson Jr.	Breezy Pt., NY	10/12/98	P Newman	East R., Astoria, NY	20	06/19/01
24	L	Gonnello	Romer Shoals, NJ	06/18/01	G Maimone	Flynn's Knoll, NJ	24	06/19/01
16	R	Pearson Jr.	Upper Croton R., NY	05/27/01	R Pearson Jr.	Upper Croton R., NY	16	06/19/01
20	K	Hollins	Island Beach St. Pk., NJ	05/07/98	J Zema	Sandy Hook, NJ	29	06/19/01
20	G	Horvath	Barnegat Inlet, NJ	05/30/01	C Krencicki	Island Beach St. Pk., NJ	22	06/20/01
23	L	Gonnello	Flynn's Knoll, NJ	08/08/00	R Newallis Jr.	Flynn's Knoll, NJ	25	06/20/01
22	G	Kerkhan	Sandy Hook, NJ	09/17/00	E Kleiner	Sandy Hook, NJ	24	06/20/01
29	S	Jakubowski	Raritan Reach, NJ	10/26/99	L Clement	Jamaica Bay, NY	33	06/20/01
26	W	Perlman	Highlands, NJ	11/04/00	W Brown	Deal, NJ	29	06/20/01
17	A	LoCascio	Manhasset Bay, NY	10/09/95	J Murnan	New Rochelle, NY	34	06/20/01
25	K	Carrigan	Rockport, MA	05/29/01	S Piraino	Rockport, MA	25	06/20/01
27	J	Foti	Staten Is., NY	05/30/01	F Casey	Boston, MA	27	06/20/01
25	G	Kerkhan	Provincetown, MA	05/26/01	K Mullen	Brewster flats, MA	25	06/20/01
22	J	Karolides	Danvers, MA	05/16/01	J Karolides	Danvers, MA	22	06/21/01
26	S	Jakubowski	Hoffman Is., NY	11/26/99	R Gibson	Brunswick, ME	27	06/21/01
25	F	Jessup II	Moriches Inlet, NY	10/29/00	J Loyer Jr.	Flynn's Knoll, NJ		06/21/01
16	R	Pearson Jr.	Croton Bay, NY	10/27/00	R Pearson Jr.	Upper Croton R., NY	16	06/21/01
28	C	Maxon	Hull, MA	08/01/00	D Fantasia	Salisbury, MA	30	06/21/01
25	L	Gonnello	Flynn's Knoll, NJ	08/02/00	M Hanas	Flynn's Knoll, NJ		06/21/01
18	R	Pearson Jr.	Croton Bay, NY	03/01/00	J Loyer	Flynn's Knoll, NJ	23	06/21/01
23	J	Mills	Flynn's Knoll, NJ	07/16/97	F Tenore	Sandy Hook, NJ	27	06/21/01
31	C	Bellinzoni	Jones Inlet, NY	05/20/01	E Smith	Nauset Beach, MA	31	06/21/01
15	A	Anderson	Thames R., CT	01/07/01	R Parsons	Barnstable Hbr., MA	16	06/22/01
28	M	Strober	Rikers Is., NY	11/19/00	A Long	Chatham, MA		06/22/01
23	A	LoCascio	Throgs Neck Brdg., NY	11/19/00	M Chiapperino	Rikers Is., NY	24	06/22/01
24	R	Leja	Bridgeport, CT	04/15/00	A Coster	Boston, MA		06/22/01
22	R	Leja	Bridgeport, CT	09/30/00	T Rinaldi	Cutchogue, NY	23	06/22/01
30	G	Blank	NY Harbor	10/26/00	M Bracamonte	Pt. Washington, NY	30	06/22/01
23	W	Woodroffe Sr.	Riis Park, NY	09/29/00	P Mesticelli	Romer Shoal Lt., NJ	24	06/22/01
25	G	Nigro	Sandy Hook, NJ	07/25/98	R Mansfield	Offshr., Sea Bright, NJ	32	06/22/01
21	R	Nystrom	Bridgeport, CT	09/17/00	R Leja	Bridgeport, CT	22	06/23/01
18	D	Hoxsie	Charlestown, RI	05/23/99	S Maggiacomo	Narragansett, RI	27	06/23/01
23	A	LoCascio	New Rochelle, NY	08/09/97	R Montchal	Kings Pt., NY	25	06/23/01
20	D	Kelly	Sag Harbor, NY	06/01/00	A Rosenthal	E. Rockaway Reef, NY	23	06/23/01
30	P	Grippo	Montauk Pt., NY	07/12/99	M Cusanelli	Sandy Hook, NJ	33	06/24/01
32	A	LoCascio	Throgs Neck Brdg., NY	11/14/99	R Decker	N of Execution Lt., NY		06/24/01
21	J	Casey	Sea Girt, NJ	06/22/00	C Stamm	East R., NYC	25	06/24/01
24	C	Wilcox III	Moriches Inlet, NY	11/11/00	J Thompson	Cohasset, MA		06/24/01
18	B	Semasek	Indian R., DE	05/31/01	F White	Weir R., Hull, MA		06/25/01
25	A	Anderson	Block Is., RI	07/14/00	R Bellavance	Block Is., RI	28	06/25/01
28	G	O'Driscoll	Wildwood, NJ	11/13/00	E Noll	Newport, RI	30	06/25/01

Species	Length	Tagger	Place Tagged	Date	Recapturer	Location	Length	Date
25	L	Gonnello	Flynn's Knoll, NJ	06/01/01	A Rissin	Sandy Hook, NJ	26	06/25/01
15	A	Anderson	Pt. Judith Pond, RI	06/12/01	G Champln	U.R.I. Campus, RI		06/25/01
21	F	Stunkel	Stamford, CT	10/06/98	G Nigro	Flynn's Knoll, NJ	27	06/25/01
25	G	Kerkhan	Sea Bright, NJ	04/29/01	D Galligan	Watch Hill, RI	28	06/26/01
23	M	Russo	Water Is., F.I., NY	10/26/00	R Miglino	E. Rockaway Inlet, NY	24	06/26/01
20	G	Nigro	Sandy Hook, NJ	11/20/99	M Placido	Jamaica Bay, NY	24	06/26/01
24	D	Kelly	Sag Harbor, NY	05/20/01	J Hellerbach	Gardiner's Is., NY	24	06/26/01
26	J	Della Porta	Swampscott, MA	09/05/00	G Graham	Newburyport, MA		06/26/01
15	A	Schweithelm	Northport, NY	02/24/01	B Peterson	Niantic, CT	16	06/26/01
22	R	Stroz	Sandy Hook, NJ	10/07/99	G Incorvaia	Sandy Hook, NJ	28	06/26/01
19	A	D'Amato	Cape May Rips, NJ	01/08/00	NY Bur. Marine Res.	Jamaica Bay, NY	23	06/26/01
25	P	Grippio	Haunts Cr., L.I., NY	06/15/01	R Marcel	Jones Beach, NY		06/27/01
28	D	Kelly	Fishers Is., NY	06/26/01	A Lemieux	Old Lyme, CT	28	06/27/01
24	A	Bencivenga	Sandy Hook, NJ	06/23/01	R Newallis Jr.	Flynn's Knoll, NJ	25	06/27/01
25	J	Posh	Stratford, CT	10/19/99	J Sigona	Stratford, CT	28	06/27/01
28	A	Anderson	Block Is., RI	07/03/00	V Minco Jr.	Block Is., RI	36	06/27/01
18	J	Gibbons	Atlantic Bch, NY	11/20/99	R Fink	Hoffman Is., NY	22	06/27/01
21	B	Garfield	Portland, ME	07/31/99	B Garfield	Portland, ME	25	06/27/01
26	K	Carrigan	Rockport, MA	05/27/01	M Jordan Sr.	Merrimack R., MA	27	06/27/01
29	B	White	Wakefield, RI	10/18/00	D Costa	Wellfleet, MA	30	06/28/01
30	A	LoCascio	Hart Is., NY	10/19/01	A Rodriguez	Execution Lt., NY		06/28/01
27	A	Anderson	Montauk, NY	05/17/00	D Monaco	Westbrook, CT	32	06/28/01
21	D	Kelly	Orient Pt., NY	10/26/00	C Brown	Narragansett Bay, RI	21	06/28/01
24	L	Gonnello	Breezy Pt., NY	07/16/99	S Goldsen	Breezy Pt., NY	26	06/28/01
21	R	Leja	Bridgeport, CT	07/29/00	E Reisinger	Bridgeport, CT		06/28/01
33	J	Posh	Block Is., RI	06/29/00	E Palanzo	Block Is., RI		06/29/01
25	A	D'Amato	3 mi SE Cape May, NJ	11/09/00	T Estona	York, ME	26	06/29/01
27	A	Schweithelm	Hampton Bays, NY	06/15/01	J Vanderweyde	Hampton Bays, NY	29	06/29/01
27	A	Anderson	Montauk Pt., NY	07/18/98	J Giordano	Jones Inlet, NY	34	06/29/01
26	K	Carrigan	Rockport, MA	06/22/00	S Lula	Newburyport, MA	28	06/29/01
21	R	Nystrom	Stratford, CT	05/18/00	M Dobosz	Milford, CT	23	06/30/01
27	A	LoCascio	Throgs Neck Brdg., NY	10/27/00	J Bacchi	East R., NY	27	06/30/01
16	A	Perednia	East R., NY	05/08/97	J Bacchi	East R., NY	26	06/30/01
20	J	Cairns	Charlestown, RI	05/26/00	R Clark	Waterford, CT	22	06/30/01
24	D	Kelly	Orient Pt., NY	10/13/00	C Cistermo	Greenport, NY		06/30/01
26	B	Garfield	Portland, ME	07/29/00	B Tiner	Cundy Hbr., ME		06/30/01
31	W	Marker	The Race, L.I. Sound	05/18/01	E Borsari	The Race, L.I. Sound		06/30/01
20	A	Schweithelm	Asharoken, NY	05/29/00	F Jansen	Kennebec R., ME	20	07/01/01
26	R	Conklin	Moriches Inlet, NY	08/21/99	J Ogren	Salisbury, MA	32	07/01/01
20	D	Hoxsie	Charlestown, RI	05/22/98	C Knott	Ship Bottom, NJ	28	07/01/01
24	R	Conklin	Moriches Inlet, NY	06/25/99	W Starkjohann	E. Rockaway Inlet, NY	29	07/01/01
26	L	Gonnello	Romer Shoal, NJ	07/12/00	B Ehling	Sandy Hook, NJ		07/02/01
21	G	Nigro	Sandy Hook, NJ	11/15/98	L Silvia	Fall River, MA	27	07/02/01
29	D	Kelly	Orient Pt., NY	09/25/98	K Reda	Plum Gut, NY		07/02/01
30	K	Carrigan	Rockport, MA	09/01/00	W Hadley	Merrimack R., MA	30	07/02/01
28	R	Croiteau	The Race, L.I. Sound	05/27/00	M Hamilton	Branford Reef, CT	30	07/03/01
25	R	Pirone	Manhasset Bay, NY	07/13/00	D Burke	Gangway Rock, L.I. Sound		07/03/01
29	F	Casey	Boston, MA	05/25/00	M Janiak Jr.	Beverly, MA		07/03/01
25	J	Caputo	Manhasset Bay, NY	06/30/01	P Apuzzi	Manhasset Bay, NY		07/03/01
24	R	Pirone	Manhasset Bay, NY	06/28/00	D Burke	Gangway Rock, L.I. Sound		07/03/01
21	R	Pirone	Harts Is., NY	06/17/01	T Foster	Pelham Bay, NY	24	07/04/01
29	R	Conklin	Moriches Inlet, NY	11/12/00	J Economy	Scarborough, ME	31	07/04/01
15	A	Anderson	Thames R., CT	01/07/01	A Bushman	Brunswick, ME		07/04/01
26	R	Conklin	Moriches Inlet, NY	10/16/98	Unknown Fisherman	Moriches Inlet, NY	35	07/04/01
28	B	White	Wakefield, RI	05/01/01	B Gauthier	Potters Pond, RI		07/04/01
26	C	Wilcox III	Moriches Inlet, NY	09/29/00	C Robinson	Friendship, ME	28	07/05/01
32	A	Anderson	Block Is., RI	05/27/00	K Ludwig	Martha's Vineyard, MA	34	07/05/01
25	D	Kelly	Orient Pt., NY	10/13/00	J Haran III	Newburyport, MA	28	07/05/01
17	A	LoCascio	Manhasset Bay, NY	11/16/98	D Burke	Gangway Rock, L.I. Sound		07/05/01
26	F	Casey	Boston, MA	09/30/00	E Santerre	Scarborough, ME	26	07/05/01
24	G	Kerkhan	Truro, MA	05/28/00	R Collins	2 mi. E Rye, NH	28	07/05/01
27	E	Petronio Jr.	Block Is., RI	07/11/99	B Snyder	West Bank Lt., NY	27	07/07/01
24	S	Jakubowski	Breezy Pt., NY	10/24/00	A Malvito	4 mi. S Montauk Pt., NY	26	07/07/01
23	R	Nystrom	Stratford, CT	11/06/98	S Iathavong	Stratford, CT	31	07/07/01
30	F	Casey	Boston, MA	09/08/00	R Bergman	Boston, MA	31	07/07/01
24	A	Anderson	Montauk Pt., NY	05/13/00	H Lena	Plum Is., NY	24	07/07/01
19	B	Shillingford	Corson Sound, NJ	06/28/98	C Conroy	Corson's Inlet, NJ	25	07/08/01

Species	Length	Tagger	Place Tagged	Date	Recapturer	Location	Length	Date
	20	R Nystrom	Bridgeport, CT	05/29/01	B Deraleau	Bridgeport, CT		07/08/01
	19	T Burden	Sea Isle City, NJ	05/12/01	B Shillingford	I.C W., Strathmere, NJ	20	07/09/01
	15	A Anderson	Thames R., CT	11/26/00	R Crafts	Barnstable Hbr., MA		07/09/01
	18	A Schweithelm	Northport, NY	04/17/01	T Revicki	Mystic, CT	18	07/09/01
	15	K Hollins	Island Beach St. Pk., NJ	11/27/98	K Hickey	Weymouth, MA	19	07/10/01
	26	A Anderson	Montauk Pt., NY	10/21/00	T Watson	Cundy's Hbr., ME	28	07/10/01
	31	S Fries	Rockaway Inlet, NY	11/29/97	D Vosgien	Niantic, CT	38	07/10/01
	24	A Mendes	Marion, MA	06/06/95	W Pina	Cape Cod Canal, MA	30	07/10/01
	27	R Kyker	Norwalk, CT	09/23/99	R Canfield	Norwalk, CT	28	07/10/01
	18	J Mahan	Jersey City, NJ	02/13/00	B Brinkman	Sandy Hook, NJ	22	07/11/01
	25	H Bowman III	Robert Moses Brdg., NY	05/08/01	D Hochberger	Sakonnet Pt., RI	27	07/11/01
	22	A Anderson	Thames R., CT	01/02/00	C Crue	Newburyport, MA	26	07/11/01
	26	D Kelly	Orient Pt., NY	06/16/00	A Bagliano	Lower NY Bay	29	07/11/01
	36	R Szellan	Raritan Bay, NY	05/14/01	D Foley	Nantucket, MA	37	07/11/01
	15	R Guttadauro	Princess Bay, NY	10/15/00	R Guttadauro	Princess Bay, NY	18	07/11/01
	30	C Kennedy	Offshr., Cape May, NJ	05/01/00	S Berner	The Race, L.I. Sound	34	07/12/01
	28	S Jakubowski	West Bank Lt., NY	11/05/99	R Lattime	Newburyport, MA	34	07/13/01
	31	J Posh	Stratford, CT	10/07/95	J Sigona	Stratford, CT	34	07/13/01
	27	D Kelly	Orient Pt., NY	10/01/00	J Nolan	Scarborough, ME	31	07/13/01
	27	F Casey	Boston, MA	06/05/01	R Botolino	Massachusetts Bay	28	07/13/01
	23	R Leja	Bridgeport, CT	10/30/99	J Simes	Plum Gut, NY		07/14/01
	21	J Della Porta	Swampscott, MA	10/01/99	M Carter	S. Gardiner, ME	24	07/14/01
	19	T Marburger	Northport, NY	12/13/98	R Lena	Niantic, CT	25	07/14/01
	20	A Evangelista	Sandy Hook, NJ	04/30/00	A Arce	Verrazano Brdg., NY	28	07/15/01
	26	J Gibbons	Sea Brnght, NJ	11/17/99	E Baker	Montauk Pt., NY		07/15/01
	22	C Carroll Jr	Shrewsbury Rocks, NJ	11/07/00	B Keane	Boston, MA		07/15/01
	22	W Perlman	Atlantic Beach, NY	06/29/97	W Marker	E. Rockaway Inlet, NY	25	07/15/01
	30	A Anderson	Block Island, RI	06/20/98	B Della Valle	Block Is., RI		07/15/01
	19	R Conklin	Monches Inlet, NY	08/02/99	M Waring Jr.	Mt. Hope Bay, RI	27	07/15/01
	31	S Jakubowski	West Bank Lt., NJ	05/24/01	S Gacho	Montauk, NY		07/15/01
	21	G D'Amato	Stratford, CT	06/01/95	L Lam	Manasquan, NJ	27	07/15/01
	31	S Jakubowski	Old Orchard Lt., NY	05/16/01	R Jobin	Westerly, RI	35	07/16/01
	27	A Anderson	Montauk Pt., NY	05/21/01	R Hanke	Jones Inlet, NY	27	07/16/01
	31	A Anderson	Montauk Pt., NY	10/24/97	E Coggeshall	S Martha's Vineyard, MA	35	07/16/01
	25	S Jakubowski	Robins Reef Lt., NY	06/30/01	R Ramos	Kill Van Kull, NY		07/17/01
	21	A Anderson	Thames R., CT	03/13/99	J Johnson Sr.	Salt Pond, RI	24	07/17/01
	26	F Stunkel	Stamford, CT	09/06/99	D Cameron	Charlestown, RI	33	07/18/01
	31	J Economy	Scarborough, ME	07/04/01	C Swope Jr.	Scarborough, ME	31	07/18/01
	23	A Anderson	Thames R., CT	02/15/99	A Patrizzo	Watch Hill, RI	33	07/18/01
	24	E Petronio Jr.	Block Is., RI	08/02/99	C Snowden	Block Is., RI	24	07/19/01
	21	P Grippo	Jones Beach, NY	06/03/01	J Carle	Fire Is. Inlet, NY	24	07/19/01
	15	A Schweithelm	Eatons Neck, NY	09/04/00	A Schweithelm	Eatons Neck, NY	17	07/19/01
	20	R Stroz	Monmouth Beach, NJ	12/13/99	S Berner	Waterford, CT	24	07/19/01
	34	F Heal	Staten Is., NY	05/07/99	J Machado	Cape Cod Canal, MA	38	07/19/01
	24	B Garfield	Portland, ME	07/26/00	R Beresford	Block Is., RI		07/20/01
	26	A Anderson	Montauk, NY	05/15/00	G Fantal	Rockaway, NY	26	07/20/01
	20	R Pirone	Hart Is., NY	07/24/00	R Pirone	Hart Is., NY	21	07/20/01
	29	J Beaver	Flynn's Knoll, NJ	06/18/00	G Fantal	Rockaway, NY	31	07/20/01
	34	P Grippo	Montauk Pt., NY	09/24/98	A Golfo	Montauk Pt., NY		07/20/01
	25	P Kozak	Esopus, NY	05/19/01	D Verdino	Jones Inlet, NY	28	07/21/01
	23	T Shaheen	Rumson, NJ	10/13/00	A Lark	Rumson, NJ	24	07/21/01
	29	F Stunkel	Stamford, CT	09/27/99	J Bees	Chatham, MA	33	07/21/01
	36	D Kelly	Orient Pt., NY	06/25/00	F Mldner	Middle Gr., L.I. Sound	38	07/21/01
	21	G Ottavio	Cape May Pt., NJ	11/02/00	G Alcantara	Deale, MD	21	07/22/01
	23	F Casey	Boston, MA	06/08/00	J Earner	Boston, MA	24	07/22/01
	17	A Anderson	Thames R., CT	12/29/00	M O'Brien	Falmouth, MA	19	07/22/01
	23	J Foti	Staten Is., NY	09/07/97	J Foti	Hoffman Is., NY	31	07/22/01
	29	E Scola	Lower NY Harbor	10/14/00	C Stamm	49th St., East R., NYC		07/22/01
	33	F Montz Sr.	New Haven, CT	07/03/01	B Winsch	Madison, CT	32	07/22/01
	27	F Laskowski	Fairfield, CT	07/23/99	R Mrowka Sr.	The Race, L.I. Sound	32	07/23/01
	32	A LoCascio	Execution Lt., NY	05/22/99	P King	Nomans Is., MA	35	07/23/01
	18	A Messina Jr.	Cold Spring Hbr., NY	07/20/00	E Hofmann	Eatons Neck, NY	21	07/23/01
	24	J Posh	Stratford, CT	10/15/00	C Rhee	Housatonic R., CT	31	07/23/01
	21	L Gonnello	Flynn's Knoll, NJ	04/24/01	E Nichols	Hampton Bays, NY	22	07/23/01
	23	P Grippo	Jones Inlet, NY	11/13/00	B Bodner	Flynn's Knoll, NJ	25	07/23/01
	21	P Grippo	Wantagh, NY	05/11/01	L Clement	Merrick Bay, NY		07/23/01
	21	S Kellner	Mattituck, NY	06/20/98	D Mitchell	The Race, L.I. Sound	27	07/23/01

Species

Length	Tagger	Place Tagged	Date	Recapturer	Location	Length	Date
23	C Carroll Jr.	Sandy Hook, NJ	10/11/99	P Mudrick	Sandy Hook, NJ	27	07/23/01
22	M Simmons	Barneгат Lt., NJ	11/02/00	F Rivera	Randall Is., East R., NY	24	07/23/01
20	F Stunkel	Stamford, CT	11/07/96	M Dobosz	Milford, CT	34	07/23/01
31	A Anderson	Block Is., RI	06/19/01	A Anderson	Block Is., RI	31	07/24/01
31	W Perlman	Rockaways, NY	11/20/00	M DellaRocco	Chatham, MA	32	07/24/01
23	R Grobarz	Deal, NJ	06/10/01	B Sistas	Shark R., NJ	25	07/24/01
32	C Wilcox III	Moriches Inlet, NY	09/29/00	M Letizia	Captree, NY	34	07/25/01
22	R Conklin	Moriches Inlet, NY	05/19/01	J Golebiewski	Old Lyme, CT	25	07/25/01
24	M Strucich	Raritan Bay, NJ	11/04/00	M Ginolfi	Newburyport, MA	24	07/25/01
26	S Jakubowski	Breezy Pt., NY	10/24/00	B Lewis	N. Scituate, MA	29	07/26/01
27	T Rinaldi	Mattituck, NY	06/30/00	T Rinaldi	Cuthogue, NY	30	07/27/01
28	A Anderson	Block Is., RI	06/04/00	D Champion	Brenton Pt., RI	31	07/27/01
23	V Galgano	Long Branch, NJ	11/18/00	H Ingle	Provincetown, MA		07/27/01
28	R Pearson Jr.	Croton Bay, NY	05/02/01	R Sawash	Martha's Vineyard, MA		07/27/01
28	A Anderson	Block Is., RI	06/02/00	J Girard	Block Is., RI	29	07/28/01
28	A Anderson	Block Is., RI	06/01/01	C Robb	Block Is., RI	28	07/28/01
24	R Conklin	Moriches Inlet, NY	05/24/99	M Altizer	Moriches Bay, NY	33	07/28/01
19	F Stunkel	Stamford, CT	10/12/98	F Lamenstein	Monomoy Is., MA	27	07/28/01
28	A Brown	Block Is., RI	06/16/01	G Stockley	Block Is., RI		07/28/01
30	A Brown	Block Is., RI	06/16/01	G Stockley	Block Is., RI		07/28/01
23	E Scola	Verrazano Brdg., NY	05/22/99	R Sorbara	New Haven, CT	30	07/28/01
28	A Brown	Block Is., RI	06/27/01	P Martin	Block Is., RI	32	07/29/01
26	R Conklin	Moriches Inlet, NY	09/29/00	M Strober	U.N., East R., NYC	28	07/29/01
30	F Casey	Boston, MA	09/23/99	Unknown Fisherman	Lynn, MA	35	07/29/01
26	A LoCascio	Throgs Neck Brdg., NY	11/28/00	R Thayer	Provincetown, MA	30	07/29/01
25	R Conklin	Moriches Inlet, NY	09/21/99	R Tucker	Moriches Inlet, NY	30	07/29/01
33	G Blank	NY Harbor	10/17/00	E Winslow	Nantucket, MA	34	07/29/01
14	R Pearson Jr.	Upper Croton R., NY	06/20/01	C Howard	Liberty St. Pk., NJ	16	07/30/01
27	K Carrigan	Rockport, MA	07/08/01	W Tenney	Salisbury, MA	27	07/30/01
24	P Johnson Sr.	Charlestown, RI	10/14/00	B Damour	Chatham, MA	27	07/31/01
21	M Simmons	Barneгат Lt., NJ	11/21/00	K O'Leary	Plum Is. Pt., MA	23	07/31/01
16	P Grippo	Wantagh, NY	09/21/00	L Clement	Merrick, NY	19	07/31/01
25	M Simmons	Barneгат Lt., NJ	11/09/99	A Pelletier	Westport, MA	19	08/01/01
28	A Anderson	Block Is., RI	07/12/00	C Stroh	Block Is., RI	31	08/01/01
13	R Carlson Jr.	Charlestown, RI	11/04/95	P Curcio	Norwalk, CT	29	08/01/01
24	G Kerkhan	Provincetown, MA	05/24/01	F DeCosta	Nashawena Is., MA	25	08/01/01
16	G Blank	Alpine, NJ	04/04/98	J Rade	Montauk Pt., NY	31	08/02/01
30	C Kennedy	S. Hereford Inlet, NJ	12/15/00	G Allen	Breton Reef, RI	32	08/02/01
29	A Anderson	Block Is., RI	05/15/01	C Rajsavony	Perth Amboy, NJ	29	08/03/01
16	A Anderson	Thames R., CT	12/05/00	T Provost	Merrimack R., MA	21	08/03/01
30	R Szellan	Raritan Bay, NJ	05/09/01	M Armstrong	Bayonne, NJ	33	08/03/01
19	W Marker	E.Rockaway Inlet, NY	07/23/00	W Marker	Atlantic Beach, NY	24	08/04/01
30	A Anderson	Block Is., RI	11/01/99	T Birch	Chatham, MA	33	08/04/01
22	W Perlman	Rockaway, NY	06/18/99	C Bofinger	Fishers Is., NY	30	08/04/01
25	H Bowman III	Fire Is. Inlet, NY	05/18/01	R Gange	Fishers Is., NY		08/04/01
23	R Nystrom	Bridgeport, CT	06/16/01	J Demby	Bridgeport, CT	24	08/04/01
23	K Carrigan	Rockport, MA	06/02/01	P Nguyen	Parson's Beach, ME	24	08/04/01
22	R Nystrom	Bridgeport, CT	09/19/99	T Daniels	Bridgeport, CT	25	08/05/01
26	A D'Amato	Offsh., Cape May, NJ	04/20/00	G Bonacorsi	Salisbury, MA		08/05/01
24	S Fries	Little Gull Is., NY	07/31/01	P Kopacz	Montauk Pt., NY	26	08/05/01
21	R Kyker	Norwalk, CT	06/13/01	R Nystrom	Fairfield, CT	21	08/05/01
20	W Perlman	Atlantic Beach, NY	05/13/98	J Fabryka	Indian R. Inlet, DE	22	08/05/01
27	A Anderson	Block Is., RI	06/20/01	R Sard	Shinnecock Inlet, NY	29	08/06/01
26	K Hollins	Island Bch St. Pk., NJ	11/10/00	T Whiteside	Scituate, MA	29	08/06/01
22	J Myers	Nauset Beach, MA	07/09/01	B Damour	Chatham, MA		08/06/01
16	H Sweet	Warren, RI	10/18/98	J Pelouquin	Warren R., RI	22	08/06/01
24	S Fries	Rockaway, NY	06/09/01	C DeCrescenzo	Rockaway, NY	26	08/06/01
24	K Carrigan	Rockport, MA	07/28/01	S Parisi	Gloucester, MA	24	08/06/01
20	H Sweet	Warren, RI	10/19/99	M Weaver	Narragansett Bay, RI	29	08/06/01
	K Carrigan	Rockport, MA	08/06/00	J Rose	Rockport, MA	23	08/07/01
25	L Gonnello	Flynns Knoll, NJ	04/24/01	M Wessling	Martha's Vineyard, MA	26	08/07/01
27	J Della Porta	Winthrop, MA	07/18/01	F Szczawinski	Winthrop, MA	28	08/07/01
28	A Anderson	Block Is., RI	05/23/00	A Seltzer	Coney Is., NY		08/07/01
27	A Anderson	Block Is., RI	06/05/00	B Platzman	Chatham, MA	29	08/08/01
30	A D'Amato	Cape May, NJ	11/01/00	M Lombardi	Indian R. Inlet, DE		08/08/01
29	C Bellinzoni	Jones Inlet, NY	05/20/01	H Sternberg	Jones Inlet, NY	30	08/08/01
29	S Fries	Little Gull Is., NY	07/31/01	J Faszczewski	The Race, L.I. Sound	31	08/08/01

Species	Length	Tagger	Place Tagged	Date	Recapturer	Location	Length	Date
26	A	Loye	Long Beach, NY	04/29/01	R Courtemanche	Merrimack R., MA		08/08/01
25	A	D'Amato	3 mi SE Cape May, NJ	11/08/00	G Marston	Durham, NH	25	08/08/01
25	M	Simmons	Barnegat Lt., NJ	11/09/99	J Mele	Narragansett Bay, RI		08/09/01
24	G	White	Piscataqua R., NH	07/01/01	C O'Neil	Smuttynose Is., NH	24	08/09/01
25	W	Perlman	Tin Can Grounds, NY	11/02/00	G Moring	Cold Spring Hbr., NY	37	08/10/01
22	T	Shaheen	Rumson, NJ	06/08/00	S Desharrais	Cape Cod Canal, MA	26	08/10/01
16	A	LoCascio	Manhasset Bay, NY	12/06/94	W Haddock	Manhattan, NY	29	08/10/01
18	W	Perlman	Atlantic Beach, NY	06/22/97	W Perlman	Rockaways, NY	24	08/10/01
34	G	Blank	NY Harbor	09/27/00	L Menard	Cuttyhunk, MA	37	08/11/01
19	R	Stasinos	Stamford, CT	08/23/98	F Stunkel	Stamford, CT	22	08/11/01
27	A	Anderson	Block Is., RI	06/01/00	E Carlisle	Narragansett pier, RI	28	08/11/01
33	P	Falotico	Raritan Bay, NJ	05/19/01	M Jones	Montauk, NY		08/11/01
26	S	Fries	1 1/2 mi. E Rockaway, NY	06/21/01	M Timmerman	SSE Martha's Vineyard, MA	27	08/11/01
20	B	Garfield	Portland, ME	07/23/99	R Leja	Bridgeport, CT	26	08/12/01
28	A	LoCascio	Throgs Neck Brdg., NY	11/13/00	J Heinrich	Throgs Neck Brdg., NY	29	08/12/01
32	F	Heal	Old Orchard Lt., NY	05/19/99	M Halliwell	Westport, MA	33	08/12/01
17	A	Schweithelm	Northport, NY	04/08/01	C Bennett	Newburyport, MA	17	08/12/01
28	J	Della Porta	Winthrop, MA	07/16/01	F Szczawinski	Winthrop, MA	28	08/13/01
26	G	White	Piscataqua R., NH	07/01/01	E McGonagle	Boston, MA	30	08/13/01
26	R	Conklin	Moriches Inlet, NY	11/02/00	S Pope	Saco Bay, ME	28	08/13/01
36	A	Meyer	Jamaica Bay, NY	05/14/01	R Celiberti	Montauk Lt., NY	38	08/13/01
29	S	Fries	Little Gull Is., NY	07/31/01	A Letavec	Little Gull Lt., NY	29	08/14/01
29	P	Grippo	Montauk Pt., NY	09/09/00	S Brooks	Block Is., RI	32	08/14/01
31	S	Jakubowski	Old Orchard Lt., NY	05/14/01	M Seppe	Montauk, NY		08/15/01
23	F	Stunkel	Stamford, CT	09/27/99	R Brunquell	Stratford Shoal, CT	25	08/15/01
26	P	Bonneau	Cape Cod Bay, MA	05/26/01	D Hindson	Provincetown, MA	29	08/15/01
24	P	Grippo	Haunts Creek, NY	06/28/00	R Marcel	Jones Beach, NY	27	08/15/01
30	B	Garfield	Saco, ME	07/14/01	B Bonica	Scituate, MA	32	08/15/01
28	G	O'Driscoll	Race Pt., MA	06/24/01	J Stuart	Provincetown, MA	30	08/16/01
26	A	Anderson	Block Is., RI	06/21/00	H Waxman	Block Is., RI	29	08/17/01
28	S	Hartmann	Eatons Neck, NY	07/01/01	S Hartmann	Eatons Neck, NY	28	08/17/01
24	G	Ker Khan	Sandy Hook, NJ	10/17/99	W Dodd Jr.	Buzzard's Bay, MA	27	08/18/01
25	S	North	Long Branch, NJ	11/18/00	C MacDonald	Boston, MA	29	08/18/01
24	C	Chechoski Jr	Housatonic R., CT	06/24/00	H Anderson	Milford, CT	27	08/19/01
20	R	Leja	Bridgeport, CT	07/20/96	D Wells	2 mi. off Stratford, CT	29	08/19/01
20	A	LoCascio	Manhasset Bay, NY	11/04/98	M McConnell	Plum Gut, NY	26	08/19/01
28	A	Anderson	Block Is., RI	07/08/01	F Hubner	Montauk Pt., NY		08/19/01
24	A	Schweithelm	Eatons Neck, NY	05/15/99	J Brierley	Cape Cod Canal, MA	28	08/19/01
24	W	Anderson	Provincetown, MA	10/14/00	T Morabito	Quincy Bay, MA	27	08/19/01
19	A	Perednia	East R., NY	11/11/96	A LaBonne	Popponsette Beach, MA	29	08/19/01
24	M	Simmons	Barnegat Lt., NJ	10/28/99	C Esperon	Coney Is., NY		08/20/01
27	A	Bencivenga	Keyport, NJ	05/05/01	D Schroer	Nantucket, MA	27	08/20/01
22	G	Ministeri	Cape Cod Bay, MA	06/15/01	S White	Nantucket, MA		08/20/01
15	R	Stasinos	Stamford, CT	08/30/98	M Layer	Massapequa, NY	25	08/20/01
24	A	Anderson	Block Island, RI	06/12/97	L Clement	Merrick Bay, NY	33	08/21/01
23	R	Kyker	Norwalk, CT	07/29/00	R Kyker	Norwalk, CT	25	08/22/01
28	G	White	Piscataqua R., NH	07/14/01	J Evans	Appledore Is., NH	30	08/22/01
35	R	Szellan	Raritan Bay, NJ	05/18/01	J Skrzypek	Provincetown, MA	35	08/22/01
30	K	Carrigan	Rockport, MA	07/12/01	R Gilardi	Boston Hbr., MA	34	08/23/01
19	H	Sweet	Bristol, RI	07/06/98	P Grima	Barrington, RI	32	08/23/01
25	D	Mann	Pt. Jefferson, NY	10/07/98	J Katsaros	Pt. Jefferson, NY	32	08/23/01
28	A	Anderson	Block Island, RI	07/05/00	P Wotkiewich	The Race, L.I. Sound		08/24/01
28	A	Anderson	Block Island, RI	06/11/01	R Castellano	2 mi. S Block Is., RI	31	08/24/01
30	B	Shillingford	Cape May Rips, NJ	11/10/00	G Wright	Winthrop, MA	32	08/25/01
34	R	Conklin	Eatons Neck, NY	06/28/00	J Romick	Eatons Neck, NY	34	08/25/01
29	A	Anderson	Block Is., RI	11/04/00	S Pietruska	Vineyard Sound, MA	32	08/25/01
19	F	Stunkel	Norwalk, CT	08/08/01	R LaPak	Norwalk, CT	21	08/25/01
26	D	Kelly	Orient Pt., NY	09/12/00	W Crowe	Atlantic Beach Brdg., NY	30	08/25/01
22	C	Carroll Jr.	Sea Bright, NJ	05/10/01	G Owanesian	Cape Cod Canal, MA	24	08/26/01
20	G	Wetmore	Norwalk, CT	10/01/99	R Kilfoyle	Milford, CT	25	08/26/01
36	A	Anderson	Block Is., RI	06/28/01	B Tatro	Cape Cod Canal, MA	39	08/27/01
24	A	Anderson	Thames R., CT	04/22/01	S Parenteau	Stonington, CT	27	08/27/01
15	A	Anderson	Thames R., CT	12/05/00	A Matthews	Scarborough R., ME	18	08/27/01
19	A	Messina Jr.	Cold Spring Hbr., NY	07/21/00	NY Bur. Marine Res.	Oyster Bay, NY	23	08/28/01
25	J	Posh	Bridgeport, CT	11/08/00	R Thayer	Stratford, CT	26	08/28/01
17	A	Schweithelm	Crab Meadow Beach, NY	05/07/00	NY Bur. Marine Res.	Oyster Bay, NY	23	08/28/01
15	A	Schweithelm	Eatons Neck, NY	05/16/99	NY Bur. Marine Res.	Oyster Bay, NY	24	08/28/01

Species		Place Tagged	Date	Recapturer	Location	Length	Date
Length	Tagger						
19	F Stunkel	Stamford, CT	08/25/98	W Yackel	Pt. Jefferson, NY	26	08/29/01
29	C Carroll Jr.	Sea Bright, NJ	05/06/01	E Culhane	Biddeford, ME	31	08/29/01
16	A Messina Jr.	Cold Spring Hbr., NY	10/10/00	A Messina Jr	Cold Spring Harbor, NY	18	08/30/01
27	W Perlman	Sandy Hook, NJ	11/13/00	M McCourt	Bath, ME	32	08/30/01
24	R Conklin	Moriches Inlet, NY	11/20/96	P Retano	Mouth of CT River	36	08/31/01
22	R Nystrom	New Haven, CT	06/10/01	L Quinn	New Haven, CT	25	08/31/01
23	L Gonnello	Flynn's Knoll, NJ	06/02/01	J Davenport	Westport, MA	24	09/01/01
27	T Shaheen	Navesink R., NJ	04/24/01	M Gnad	Rockaway Pt., NY	28	09/01/01
23	A LoCascio	Throgs Neck Bldg., NY	11/21/99	M Harrington	Branford, CT	25	09/01/01
25	G White	Piscataqua R., NH	07/22/01	B Preble	Isles of Shoals, ME		09/02/01
25	W Marker	The Race, L.I. Sound	07/13/01	J Savas	Orient Pt., NY	26	09/02/01
23	T Leonardis	Sea Isle City, NJ	11/04/00	B Berry	North Bath, ME	25	09/03/01
22	W Kobel Jr.	Moriches Inlet, NY	05/30/98	V Finalborgo	Shinnecock Bay, NY	26	09/03/01
19	F Norton	Phippsburg, ME	06/26/01	J Moody	Casco Bay, ME		09/03/01
28	G White	Piscataqua R., NH	07/04/01	P Whelan	Hampton, NH	28	09/03/01
23	T Leonardis	Sea Isle City, NJ	08/27/00	J Johnston	Boston, MA	25	09/04/01
28	A Anderson	Block Is., RI	06/22/01	S Phillipi	Montauk Pt., NY		09/04/01
20	M Simmons	Barneget Lt., NJ	11/23/00	L Ewers	Mousam R., ME	22	09/05/01
22	P Grippo	Hauts Cr., NY	06/03/99	J Focone	Northport, NY	26	09/06/01
28	S Fries	Little Gull Is., NY	07/31/01	A Letavec	Little Gull Is., NY	28	09/06/01
26	A Anderson	Block Is., RI	07/02/01	D DeSimone	Shinnecock Inlet, NY	29	09/06/01
27	G Blank	East R., NYC	11/20/00	R Ferraro	Montauk Inlet, NY	29	09/07/01
31	D Kelly	Orient Pt., NY	09/20/99	F Kretschmer	Fishers Is., NY	34	09/07/01
22	R Leja	Bridgeport, CT	10/16/98	M Sulkazi	Stratford, CT	28	09/07/01
24	D Kelly	Orient Pt., NY	10/14/00	D Politi	Southport, CT	28	09/08/01
26	J Rose	Rockport, MA	10/04/00	G White	Hampton, NH	27	09/09/01
29	G Blank	NY Harbor, NY	11/21/99	S Caron	Higgins Beach, ME	30	09/09/01
19	F Stunkel	Stamford, CT	10/19/99	P Loesch	Cold Spring Hbr., NY	22	09/09/01
16	J Karolides	Danvers, MA	07/25/96	J Gargiula	Montauk Pt., NY	30	09/11/01
26	B Garfield	Portland, ME	08/05/01	B Garfield	Portland, ME	26	09/11/01
26	D Kelly	Sag Harbor, NY	05/11/01	J Rade	Montauk, NY	26	09/11/01
22	S Jakubowski	Romer Shoal, NJ	06/08/01	R Brnkman	Sandy Hook, NJ		09/11/01
36	D Kelly	Orient Pt., NY	07/03/01	T Monahan	Orient Pt., NY		09/13/01
30	A Blair	Avalon, NJ	10/05/00	M Longhran	Avalon, NJ	31	09/13/01
22	S Jakubowski	Breezy Pt., NY	10/24/00	M Callaghan	Sandy Hook, NJ		09/13/01
28	M Strober	East R., NYC	11/07/99	P Stanton	Woods Hole, MA	30	09/14/01
25	B Garfield	Portland, ME	07/19/01	B Garfield	Portland, ME	26	09/14/01
17	P Grippo	Wantagh, NY	07/24/00	G Muller Jr.	Breezy Pt., NY		09/14/01
25	P Twohig	Merrimack R., MA	08/31/01	J Butt	Newburyport, MA	25	09/14/01
27	J Della Porta	Swampscott, MA	09/01/01	M Viglione	Newbury, MA	28	09/14/01
33	B Garfield	Portland, ME	08/31/99	B Simpson	Cape Elizabeth, ME	36	09/15/01
24	J Angelini	Sandy Hook, NJ	10/23/98	F Cox	Cape Cod Canal, MA	29	09/16/01
27	A Anderson	Block Is., RI	07/01/00	N Valente	Shinnecock Inlet, NY	28	09/16/01
21	S Radossi	New York Harbor, NY	11/20/99	R Stroz	Belford, NJ	23	09/16/01
29	A Brown	Block Is., RI	06/27/01	T Greene	Block Is., RI	29	09/16/01
19	A Perednia	East R., NYC	11/02/98	W Neumann	NY Harbor	28	09/16/01
22	G Kerkhan	Sea Bright, NJ	05/07/01	M Moulton	Newbury, MA	23	09/17/01
26	F Casey	Boston, MA	07/30/01	D Hindson	Provincetown, MA		09/17/01
20	W Perlman	Atlantic Beach, NY	05/16/98	S Nockler	Plum Is., NY	30	09/18/01
18	P Grippo	Jones Inlet, NY	11/21/98	B Blanchard Jr.	Plum Gut, NY	26	09/18/01
24	E Feret	Freeport, NY	05/18/99	G Fonseca	Lower NY Bay, NY		09/19/01
30	B Azzariti	Quincy Bay, MA	08/04/01	P Jakits	1 mi. E Montauk Pt., NY	30	09/19/01
19	H Sweet	Providence, RI	07/31/99	P Grima	Barrington, RI	25	09/19/01
32	B Azzariti	Quincy Bay, MA	06/16/01	T Davidson	Boston, MA	35	09/19/01
22	R Nystrom	Bridgeport, CT	07/22/01	G DeLucia	Long Island City, NY		09/20/01
22	P Lowcher	Sea Bright, NJ	04/18/98	R Mikavica	Roosevelt Is., NY	31	09/20/01
21	B Shillingford	Strathmere, NJ	10/08/99	T Adams	Ocean City, NJ	26	09/20/01
15	E Petronio Jr.	Pt. Judith, RI	09/12/00	R Stevens	Narragansett, RI	15	09/20/01
19	H Sweet	Providence, RI	07/29/99	V Viola	Montauk, NY	27	09/20/01
26	S Jakubowski	Hoffman Is., NY	11/18/00	J Fitzback	Chatham, MA	30	09/21/01
12	A Perednia	East R., NYC	10/12/00	L Alleva	New Rochelle, NY	14	09/21/01
19	B Shillingford	Strathmere, NJ	07/06/00	B Seabrook	Ocean City, NJ	23	09/21/01
22	D Kelly	Sag Harbor, NY	05/04/01	T Bull	Hammonasset Bch. St. Pk., CT	23	09/23/01
20	G Kerkhan	York, ME	09/11/01	R MacDougall	Rye, NH	20	09/23/01
36	R Maimone	Rye, NH	08/12/01	J Cohan	Scituate Hbr., MA	36	09/23/01
28	F Casey	Boston, MA	09/23/99	J Cimino	Boston, MA	34	09/23/01
22	T Marburger	Northport, NY	06/03/95	J Smith	Martha's Vineyard, MA	31	09/23/01

Species	Length	Tagger	Place Tagged	Date	Recapturer	Location	Length	Date
33	A	Piszczatowski	Glen Cove, NY	05/29/01	R Gamble	Matunuck, RI	34	09/25/01
24	A	Hoydich	Sandy Hook, NJ	06/26/00	T Kukulski	Raritan R., NJ	26	09/25/01
19	A	Anderson	Thames R., CT	12/05/00	A Molina	Brunswick, ME	21	09/25/01
	D	Paulick	Barneget Inlet, NJ	08/31/01	J Hand	Island Beach St. Pk., NJ	25	09/26/01
21	W	Smagalski	Upper Hackensack R., NJ	09/18/01	R Koeppen	Secaucus, NJ	21	09/26/01
26	L	Gonnello	Flynn's Knoll, NJ	05/04/01	J Brierley	Mashpee, MA	29	09/26/01
40	A	Anderson	Block Is., RI	06/02/00	T Marks	Cuttyhunk Is., MA	42	09/27/01
25	A	Anderson	Block Is., RI	07/18/00	T Doyen	Fishers Is., NY	28	09/27/01
27	M	Strober	East R., NYC	10/24/98	T Spurge	East R., NYC	34	09/28/01
22	C	Peszka	Oregon Inlet, NC	06/06/01	R Haak	Roanoke Is., NC	27	09/28/01
30	P	Grippio	Wantagh, NY	05/31/01	D Solomon	Wantagh, NY	33	09/28/01
28	A	Anderson	Block Is., RI	10/15/00	C Shea	Charlestown, RI	29	09/29/01
26	R	Nystrom	Stratford, CT	11/01/99	T Doyen	Fishers Is., NY	30	09/29/01
19	D	Goodwin	Jones Inlet, NY	11/26/99	S Whitting Jr.	Montauk Lt., NY	25	09/29/01
26	K	Morgan	Rikers Is., NY	11/05/99	G Blank	Rikers Is., NY	27	09/29/01
24	D	Kelly	Orient Pt., NY	09/10/01	W Allen	Passac R., Nutley, NJ	26	10/01/01
15	A	Anderson	Thames R., CT	12/29/00	K Jalili	Norwich, CT		10/01/01
17	C	Husta	Mullica R., NJ	04/08/98	R Mann	Mullica R., NJ	26	10/02/01
31	J	Della Porta	Nahant, MA	09/26/01	S Darmofalski	Cape Cod Canal, MA		10/02/01
16	A	Anderson	Thames R., CT	12/29/00	C Fiorentino	Norwich, CT	19	10/03/01
18	C	Kennedy	I.C.W. #479, NJ	09/13/01	C Kennedy	I.C.W. #479, NJ	18	10/03/01
28	A	Anderson	Block Island, RI	10/26/00	B Lotufo	Montauk Lt., NY	30	10/03/01
25	A	Anderson	Block Is., RI	06/18/00	R Frey	Moriches Bay, NY	28	10/04/01
19	W	Woodroffe	Jamaica Bay, NY	06/15/00	P Murphy	Rockaway Beach, NY		10/04/01
18	A	Messina Jr.	Little Neck Bay, NY	09/01/00	J Maleno	Kings Pt., NY	22	10/04/01
27	V	DeLisi	Warren R., RI	06/06/00	J Polando	Warren, RI		10/05/01
11	A	Anderson	Connecticut R., CT	05/10/01	D Remigino Sr.	Deep River, CT		10/05/01
26	A	Schweithelm	Westhampton Beach, NY	07/07/00	M Alt	Windmill Pt., VA	27	10/05/01
19	H	Sweet	Barrington, RI	07/10/98	J Samsel	Westport, CT	27	10/05/01
29	D	Kelly	Orient Pt., NY	07/03/01	J Feltovich	Derby, CT	30	10/05/01
14	H	Sweet	Warren, RI	07/24/98	F Maciel	Warren, RI	24	10/05/01
20	M	Vargas	Milford, CT	06/25/96	W Edwards	Milford, CT		10/06/01
22	R	Leja	Bridgeport, CT	07/21/00	W Edwards	Milford, CT		10/06/01
23	P	Bonneau	Cape Cod Bay, MA	05/27/01	J Monast	Cape Cod Canal, MA	26	10/06/01
15	R	Conklin	Norwalk, CT	07/24/98	R Roth	Hell Gate, NY	25	10/08/01
15	A	Schweithelm	Asharoken, NY	09/13/00	M Bernstein	Northport, NY	16	10/08/01
31	G	O'Driscoll	Penns Grove, NJ	04/25/01	T Clayton	Manasquan R., NJ	33	10/08/01
23	G	Horvath	Barneget Inlet, NJ	06/14/01	J Sanchez	N. Wildwood, NJ	26	10/09/01
15	A	Anderson	Thames R., CT	01/07/01	S Durkee	Norwich, CT	18	10/10/01
29	N	Fiorillo Jr.	Raritan Bay, NJ	11/12/99	J Leonard	Nauset Beach, MA	33	10/10/01
27	J	Posh	Watch Hill, RI	07/16/95	M Russo	Moriches Bay, NY	35	10/10/01
31	R	Kyker	Norwalk, CT	08/26/00	J Adamowicz	Shinnecock Inlet, NY	33	10/10/01
21	T	Shaheen	Raritan Bay, NJ	09/07/01	R Koeppen	Secaucus, NJ	24	10/10/01
27	S	Jakubowski	Hoffman Is., NY	11/14/00	J Higgs Jr.	Potomac R., VA		10/10/01
28	F	Casey	Boston, MA	05/29/01	B Lotufo	Montauk Lt., NY	30	10/10/01
18	P	Orenzo	East R., NYC	11/05/98	J Roman	Canarsie Beach Pk., NY	24	10/10/01
28	W	Marker	E. Rockaway Inlet, NY	11/05/99	H Silverberg	Atlantic Beach, NY	31	10/11/01
18	J	Mahan	S. Kearny, NJ	11/24/00	R Koeppen	Secaucus, NJ	20	10/11/01
23	L	Gonnello	Flynn's Knoll, NJ	08/16/00	F Tenore	Sandy Hook, NJ	29	10/11/01
27	A	Fox	Avalon, NJ	09/12/01	K Baldini	Avalon, NJ	27	10/11/01
37	R	Gardrei	Block Is., RI	08/23/98	W Craig	Cape May, NJ		10/12/01
21	P	Hartsgrove	Shrewsbury R., NJ	09/11/97	R Heller	Atlantic Beach Bldg., NY	30	10/12/01
30	D	Nova	Cape Charles, VA	11/13/00	C Bailey	Montauk, NY	32	10/12/01
28	F	Ryan	Darien, CT	10/02/01	D Jackson	Norwalk, CT	31	10/12/01
25	T	Rinaldi	Mattituck, NY	07/13/00	S Morawski	Plum Gut, NY	30	10/12/01
32	A	Messina	Little Neck Bay, NY	09/21/01	J Medina	F.D.R. Park, NYC	32	10/12/01
26	A	Anderson	Block Is., RI	06/22/01	H Yenkinson	Cape May, NJ	26	10/12/01
30	R	Szellan	Raritan Bay, NJ	05/09/01	A Giori	Nantucket Hbr., MA	32	10/12/01
31	J	Foti	Great Kills, NY	06/10/01	R Robbins	Montauk Pt., NY		10/12/01
19	H	Sweet	Warren, RI	06/23/01	E Easterday	Dighton, MA	19	10/12/01
19	B	Shillingford	Strathmere, NJ	07/11/96	J Paschal	Townsend's Inlet, NJ	28	10/13/01
22	N	Fiorillo Jr.	Navesink R., NJ	05/02/98	G Stoddard	Sandy Hook, NJ	29	10/13/01
44	S	Bosworth	Block Is., RI	07/20/01	B Benzenberg	Lido Beach, NY		10/13/01
44	R	Maimone	Rye, NH	09/04/01	J Malcouronne	Nantucket Is., MA		10/13/01
16	A	Messina Jr.	Little Neck Bay, NY	04/21/99	T Wirkus	Naugatuck R., CT	20	10/14/01
17	A	Messina Jr.	Cold Spring Hbr., NY	10/10/00	R Montecalvo	Pawtucket, RI	23	10/14/01
22	C	Czechoski Jr.	Housatonic R., CT	10/10/99	M Siharaj	Bridgeport, CT	27	10/14/01

Species	Length	Tagger	Place Tagged	Date	Recapturer	Location	Length	Date
	28	R Templeton	Block Is., RI	08/27/00	M Renner	Moriches Bay, NY	28	10/15/01
	27	D Kelly	Orient Pt., NY	07/03/01	J Heckel	Keyport, NJ	29	10/15/01
	25	F Stunkel	Stamford, CT	06/27/01	C Zeoli	Fire Is. Inlet, NY	28	10/15/01
	27	A Anderson	Block Is., RI	06/24/01	J Serocea	Cape May, NJ	29	10/15/01
	26	A Anderson	Block Is., RI	06/29/01	S Reitz	Overfalls Shoal, DE	27	10/15/01
	27	B Shillingford	DE Bay, NJ	11/09/98	W Finn	Provincetown, MA	32	10/15/01
	23	L Gonnello	Sandy Hook Bay, NJ	06/27/00	A Fisherman	Sandy Hook, NJ	26	10/15/01
	18	E Petronio Jr.	Pt. Judith, RI	08/28/00	W Wyatt	Westerly, RI	20	10/15/01
	16	A Anderson	Thames R., CT	04/15/00	C Florentino	Norwich, CT	21	10/16/01
	32	G Blank	East R., NYC	11/12/00	E Kurlaw	Shrewsbury R., NJ	34	10/16/01
	21	R Nystrom	Stratford, CT	10/19/99	T Wirkus	Naugatuck R., CT	24	10/16/01
	34	B Szela	Watch Hill, RI	08/14/01	M Sykes	Abscon Bay, NJ		10/16/01
	15	A Anderson	Thames R., CT	12/15/00	C Florentino	Norwich, CT	19	10/16/01
	19	A Messina Jr.	Little Neck Bay, NY	05/02/01	C Florentino	Norwich, CT	21	10/17/01
	26	R Nystrom	Stratford, CT	11/06/98	Unknown Fisherman	Old Saybrook, CT	32	10/18/01
	21	A Anderson	Thames R., CT	12/19/99	T Wirkus	Ansonia, CT	24	10/18/01
	19	R Pearson Jr.	Croton Bay, NY	03/01/00	D Zurheide	Secaucus, NJ	25	10/18/01
	29	A Teal	Keyport, NJ	05/18/01	R Gagne	Nantucket Is., MA		10/19/01
	23	R Leja	Bridgeport, CT	07/25/99	R Berger	Bridgeport, CT		10/19/01
	35	R Gardrel	Block Is., RI	08/12/98	P Zelenka	Great South Bay, NY	39	10/19/01
	37	V Viola	Moriches Inlet, NY	10/03/01	S Spicer	Moriches Bay, NY	39	10/20/01
	14	T Lake	Liberty Is., NYC	11/24/00	D Zurheide	Secaucus, NJ	16	10/20/01
	30	S Jakubowski	Old Orchard Lt., NY	05/10/01	D Murphy	Montauk Pt., NY	32	10/20/01
	28	F Casey	Boston, MA	10/10/01	W Vars	Watch Hill, RI		10/20/01
	24	C Kennedy	SE Cape May Inlet, NJ	11/18/99	G Duzzelman	Highlands Brdg., NJ	28	10/21/01
	24	L Gonnello	Sandy Hook Chan., NJ	10/01/00	G Duzzelman	Highlands Brdg., NJ	26	10/21/01
	29	F Heal	Ambrose Channel, NY	05/31/00	J Ahrens	Fire Is. Inlet, NY	34	10/21/01
	27	A Anderson	Block Is., RI	05/12/01	R Ferland	Barrington, RI		10/21/01
	18	H Sweet	Providence, RI	09/19/98	B Meyer	Montauk Lt., NY	28	10/22/01
	29	J Foti	Great Kills, NY	05/06/00	R Herrmann Sr.	Milford, CT	32	10/22/01
	31	B Shillingford	Cape May Rips, NJ	11/13/00	J Ruane	Cape May Rips, NJ	33	10/22/01
	24	S Fries	Little Gull Is., NY	07/31/01	P Perovich	Delaware Bay, NJ	27	10/22/01
	16	A Messina Jr.	Little Neck Bay, NY	08/12/00	J Medina	Pier 36, East R., NYC	19	10/23/01
	21	A Messina Jr.	Little Neck Bay, NY	09/11/99	A Falco	Throgs Neck Brdg., NY	24	10/23/01
	21	R Conklin	Moriches Inlet, NY	10/27/00	R Frey	Moriches Bay, NY	25	10/23/01
	21	B Shillingford	Whale Creek, NJ	05/16/00	S Liebman	Cross Ledge Lt., DE Bay	25	10/23/01
	28	C Wilcox III	Moriches Inlet, NY	11/11/00	R Conklin	Moriches Inlet, NY	29	10/23/01
	11	A Messina	Little Neck Bay, NY	10/14/01	E Martinez	Randall Is., NY	11	10/24/01
	20	R Kyker	Norwalk, CT	08/26/00	W Edwards	Stratford, CT	22	10/24/01
	25	R Leja	Bridgeport, CT	07/25/98	D Wells	Stratford, CT	35	10/25/01
	28	S Brodsky	Atlantic Beach Brdg., NY	11/27/99	H Sternberg	Atlantic Beach Brdg., NY	31	10/27/01
	27	T Marburger	Shinnecock Inlet, NY	06/12/01	T Schneider	Captree St. Pk., NY	30	10/27/01
	27	W Perlman	Rockaway, NY	06/18/01	T Whitehead	Corson's Inlet, NJ	28	10/27/01
	26	R Nystrom	Bridgeport, CT	07/22/01	M Ferrigno	Moriches Bay, NY	29	10/27/01
	30	W Perlman	Rockaway, NY	06/19/01	M Marges	Raritan R., NJ		10/28/01
	23	A Messina	Little Neck Bay, NY	09/19/01	R Holliday	East R., NYC	23	10/28/01
	19	J Ragusa	Fire Is., NY	11/18/99	C Quartuccio	Astoria, NY	27	10/28/01
	32	R Conklin	Moriches Inlet, NY	10/02/01	A Likewise	Moriches Inlet, NY	34	10/28/01
	25	D Kelly	Orient Pt., NY	09/08/01	A Kukulski	Lower Raritan R., NJ	27	10/28/01
	18	R Guttadauro	Princess Bay, NY	07/08/01	T Popowski	Raritan Bay, NJ		10/29/01
	28	J Beaver	Sandy Hook, NJ	07/21/98	P Stiles	Sandy Hook, NJ	33	10/29/01
	17	A Messina Jr.	Little Neck Bay, NY	04/27/99	R Ford	Island Beach St. Pk., NJ	26	10/29/01
	32	F Heal	Great Kills Hbr., NY	10/22/01	F Guzman	Verrazano Brdg., NY		10/30/01
	24	W Terrill	Provincetown, MA	09/30/01	J Beck	Balston Beach, MA	26	10/30/01
	25	F Casey	Boston, MA	09/24/01	R Kroon	Flynn's Knoll, NJ	25	10/30/01
	21	I Mittelmark	Jones Inlet, NY	06/13/99	R Luik	Sandy Hook, NJ	25	10/30/01
	17	A Schweithelm	Asharoken, NY	09/30/00	D Blank	Glen Cove, NY	19	10/31/01
	26	P Collins	Woods Hole, MA	08/18/01	C Davies	2 mi NE Montauk Lt., NY	27	10/31/01
	32	A Anderson	Block Is., RI	06/10/00	G Blank	East R., NYC	34	10/31/01
	24	M Strober	Governors Is., NY	11/25/00	W Kolbenheyer	Manhasset Bay, NY	24	10/31/01
	25	S Jakubowski	Flynn's Knoll, NJ	06/23/00	R Mele	Jamaica Bay, NY	29	10/31/01
	26	J Ragusa	Fire Island Lt., NY	11/07/99	B Pedersen	Fire Is. Lt., NY		11/01/01
	18	A Schweithelm	Eatons Neck, NY	05/25/01	G Cobb	Duck Pond Pt., NY		11/01/01
	36	J Dotsey	Montauk, NY	09/03/01	E Hux	Ches. Bay Brdg. Tun., VA	36	11/01/01
	24	G O'Driscoll	Strathmere, NJ	09/13/01	J Mumman	Corson's Sound, NJ	24	11/02/01
	34	R Conklin	Moriches Inlet, NY	09/27/00	G Guydish Jr.	Moriches Inlet, NY		11/02/01
	28	J Ragusa	Fire Is., NY	10/11/00	R Raniolo	Mullica R., NJ	31	11/02/01

Species	Length	Tagger	Place Tagged	Date	Recapturer	Location	Length	Date
26	S	Jakubowski	Old Orchard Lt., NY	05/09/01	L Britcher	Indian R., DE	29	11/02/01
19	M	Strober	East R., NYC	11/21/98	M Swift	Brick, NJ	26	11/03/01
27	A	Anderson	Block Is., RI	09/28/00	J Siemer	Ocean City, MD	28	11/03/01
26	D	Pinson	2 mi. SW Block Is., RI	06/29/01	S Pottichen	N. Wildwood, NJ	27	11/03/01
20	H	Sweet	Warren, RI	06/15/98	R Blake	Montauk Lt., NY	27	11/03/01
29	A	Fox	Avalon, NJ	08/19/01	M Pumpinelli	Prissy Wicks Shoal, NJ	29	11/04/01
36	J	Posh	Stratford, CT	08/18/97	D Wells	Stratford, CT	37	11/04/01
28	A	Anderson	Block Is., RI	10/16/01	J Hays	Raritan Bay, NJ	29	11/04/01
30	A	Young	Riverhead, NY	06/26/01	R Gahm	Ortley Beach, NY		11/04/01
26	T	Leonardis	Sea Isle City, NJ	10/03/00	J Kleban	Cape May, NJ	28	11/05/01
19	A	Messina Jr.	Little Neck Bay, NY	09/13/99	P Stachowicz	Union Beach, NJ	23	11/05/01
36	D	Kelly	Orient Pt., NY	08/02/01	D Jones	Assateague, VA		11/05/01
19	B	Shillingford	I.C.W., Strathmere, NJ	08/02/01	G Robinson III	Great Egg Hbr., NJ	20	11/07/01
22	A	Young	Mattituck, NY	07/07/01	D Wells	Stratford, CT	23	11/07/01
26	J	Della Porta	Swampscott, MA	08/29/01	S Jakubowski	Hoffman Is., NY	26	11/07/01
27	R	Templeton	Block Island, RI	06/17/00	Y Herve	Brick, NJ	30	11/07/01
27	G	O'Driscoll	Avalon, NJ	09/21/01	C Huber	14 ft. Lt., DE Bay		11/08/01
26	C	MacNamee	Delaware Bay, NJ	11/12/99	T Cusick	Fortescue, NJ	36	11/08/01
18	J	Balicki	Union Beach, NJ	04/08/00	A Kukulski	Absecon Bay, NJ	24	11/08/01
18	G	Horvath	Trenton, NJ	05/29/00	H Carter	Patapsco R., MD	21	11/08/01
21	R	Nystrom	Stratford, CT	09/20/98	J Mariano	Outerbridge Cross., NY	32	11/08/01
14	E	Petronio Jr.	Pt. Judith, RI	08/22/00	C Ordzie	Matunuck, RI		11/09/01
23	S	Jakubowski	Sandy Hook, NJ	06/25/00	D Barber	Watch Hill, RI	24	11/09/01
25	C	Carroll Jr.	Sandy Hook, NJ	10/07/99	J Albin	Raritan Bay, NY	28	11/09/01
20	S	Jakubowski	Romer Shoal, NJ	05/29/01	E Abbott	Sea Isle City, NJ		11/10/01
25	R	Guttadauro	Princess Bay, NY	11/17/00	J Pais	Midland Beach, NY	30	11/10/01
21	W	Marker	Atlantic Beach, NY	08/26/01	G Miller	Seaside Pk., NJ	22	11/10/01
27	F	Stunkel	Darien, CT	08/24/99	R Mele	Jamaica Bay, NY	33	11/10/01
26	D	Kelly	Sag Harbor, NY	05/09/01	W Marker	Atlantic Beach, NY	26	11/10/01
35	A	LoCascio	Throgs Neck Bldg., NY	05/20/00	J Nolty	LaGuardia A., East R., NY	37	11/10/01
26	A	Anderson	Block Is., RI	07/05/01	R Greene	Amagansett, NY		11/10/01
26	A	Anderson	Block Is., RI	07/03/01	B Pittman	VA Beach, VA	32	11/10/01
25	J	Leonard	Colt St. Pk., RI	06/30/00	E Camiolo Jr.	Ship Bottom, NJ	28	11/11/01
32	R	Szellan	Raritan Bay, NJ	05/24/01	R Soltes	Indian R. Inlet, DE	33	11/11/01
26	R	Kyker	Stamford, CT	07/08/00	R Taimo	Island Beach St. Pk., NJ	28	11/11/01
28	S	Jakubowski	Old Orchard Lt., NY	05/08/01	R Darr	Potomac R., VA	32	11/11/01
17	A	Schweithelm	Eatons Neck, NY	09/14/00	N Riviezzo	Pt. Jefferson, NY	24	11/12/01
15	R	Kyker	Norwalk, CT	05/08/01	J Maldonado	East R., NYC	18	11/12/01
16	J	Balicki	Sea Bright, NJ	12/07/99	L Sears	East Hampton, NY	18	11/12/01
27	A	Anderson	Block Is., RI	07/08/01	T Leonardis	Avalon, NJ	28	11/13/01
26	B	Shillingford	Strathmere, NJ	10/10/01	F Ruczynski	Corson's Inlet, NJ	27	11/13/01
25	N	Fiorillo Jr.	Long Branch, NJ	10/19/01	J Henglein	Ocean City Inlet, MD	27	11/13/01
27	S	Hartmann	Eatons Neck, NY	09/23/01	R Martin	Corson's Inlet, NJ	27	11/13/01
22	R	Leeds	Ocean City, NJ	04/08/98	B Connolly	Great Egg Inlet, NJ	30	11/13/01
27	V	Galgano	Sea Girt, NJ	12/05/98	J Barker	Totenville, S.I., NY	32	11/14/01
29	A	Anderson	Block Is., RI	06/08/01	J Barnes	5 mi. off Fortescue, NJ	30	11/14/01
25	W	Marker	E. Rockaway Inlet, NY	11/27/98	K Bridwell	Atlantic Beach Bldg., NY	29	11/14/01
34	J	Matzinger	Swift Cr., NY	11/04/01	B Orloff	Breezy Pt., NY	35	11/15/01
28	A	Anderson	Montauk Pt., NY	10/20/01	A Testa	Jones Inlet, NY	28	11/15/01
28	R	Locke	Provincetown, MA	06/24/00	C Virgona	Morches Inlet, NY	32	11/15/01
29	A	Anderson	Block Is., RI	06/04/01	J Milano	Atlantic City, NJ	31	11/15/01
31	R	Moeller	Charlestown, RI	09/14/01	J Furino	Great South Bay, NY	31	11/15/01
29	A	LoCascio	City Is., NY	11/07/01	H Puff	Rye, NY	29	11/15/01
26	A	Anderson	Montauk, NY	11/04/01	M Polito	Barnegat Lt., NJ	26	11/15/01
28	S	Jakubowski	Old Orchard Lt., NY	05/09/01	F Frosina	Shinnecock Inlet, NY	32	11/15/01
15	D	Taft	Bucksport, ME	06/13/98	C Galeano	Marine Pkwy. Bldg., NY	32	11/15/01
26	D	Kelly	Orient Pt., NY	07/03/01	J Humphrey	Fire Is. Inlet, NY	27	11/15/01
28	S	Jakubowski	Romer Shoals, NJ	05/31/01	J Albin	Tottenville, NY		11/16/01
24	L	Gonnello	Flynn's Knoll, NJ	06/28/00	C Vohden	Beach Haven, NJ	28	11/16/01
19	R	Pearson Jr	Breezy Pt., NY	09/17/01	D McConnell	Spring Lake, NJ	20	11/16/01
22	R	Kyker	Westport, CT	07/14/99	A Veliz	Norwalk, CT		11/17/01
18	R	Baumann	Raritan Bay, NJ	11/05/99	S Taylor	Barnegat Lt., NJ		11/17/01
28	A	Anderson	Block Island, RI	10/22/00	J Faraci Jr.	Highland Pk., NJ	31	11/17/01
23	R	Spotts	Provincetown, MA	10/02/01	J Vayda	Sandy Hook, NJ	25	11/17/01
17	R	Conklin	Peconic R., NY	05/01/00	M Morales	Lavallette, NJ	24	11/17/01
27	S	Hartmann	Eatons Neck, L.I., NY	09/24/00	R Rak	Oyster Bay, NY	29	11/17/01
27	W	Perlman	Rockaways, NY	11/08/01	T Easton	E Manasquan Inlet, NJ	30	11/18/01

Species	Length	Tagger	Place Tagged	Date	Recapturer	Location	Length	Date
27	S	Hartmann	Eatons Neck, NY	08/17/01	T Postlethwst	Cape Henlopen, DE	27	11/18/01
28	S	Jakubowski	Old Orchard Lt., NY	05/10/01	R Covell	Cape May, NJ	32	11/18/01
25	W	Marker	Atlantic Beach, NY	11/16/01	B Parnes	Atlantic Beach, NY	25	11/18/01
23	A	Messina Jr.	Little Neck Bay, NY	08/26/99	R Roth	East R., NYC	27	11/18/01
22	T	Rnaldi	Mattituck, NY	06/16/00	C DiStefano	NE Manasquan Inlet, NJ	29	11/18/01
20	E	Taylor	Sea Bright, NJ	05/15/01	R Fedon	Flynn's Knoll, NJ	22	11/18/01
25	A	Anderson	Block Is., RI	07/19/01	F Ruczynski	Hereford Inlet, NJ	27	11/20/01
29	D	Kelly	Orient Pt., NY	09/27/01	S Rhodes	Raritan Bay, NY		11/20/01
26	S	Kellner	Mattituck, NY	05/09/99	R Howard	Montauk, NY	31	11/21/01
24	G	Ministeri	Cape Cod Bay, MA	06/09/01	C Bellinzoni	Jones Inlet, NY	25	11/21/01
24	J	Della Porta	Swampscott, MA	08/19/01	J Faraci Jr.	Highland Pk., NJ	29	11/21/01
28	M	Strober	Rikers Is., NY	11/04/01	R Biagiotti	Rikers Is., NY	28	11/21/01
21	R	Nystrom	Fairfield, CT	06/30/01	C Chechoski Jr.	Devon, CT	21	11/22/01
31	A	Anderson	Block Is., RI	05/26/01	M Saunders	Ches. Bay Brdg. Tun., VA	31	11/22/01
22	G	Blank	East R., NY	10/10/98	E Krzanowski	Long Beach Is., NJ	27	11/23/01
28	A	Anderson	Block Is., RI	06/05/01	B Schmitt	Jones Inlet, NY	29	11/23/01
21	R	Nystrom	Bridgeport, CT	07/22/01	D Taft	Bayville, NY	22	11/23/01
26	F	Stunkel	Stamford, CT	06/26/01	F Maiello	Cape May, NJ	26	11/23/01
26	M	Berger	Atlantic Bch., NY	11/10/99	D Echin	Atlantic Beach Brdg., NY	29	11/23/01
29	C	Kennedy	Prisswick Shoal, NJ	11/22/01	B Demari	Cape May rips, NJ	30	11/23/01
16	B	White	Wakefield, RI	05/14/99	F Liguori	Seaside Pk., NJ	23	11/23/01
24	A	Anderson	Montauk Pt., NY	05/18/01	T Sereika	Mantoloking, NJ	24	11/23/01
23	A	LoCascio	Harts Island, NY	09/01/00	J Maldonado	East R., NYC	25	11/23/01
32	D	Kelly	Orient Pt., NY	10/23/01	C Capurso	Jones Inlet, NY	33	11/23/01
29	A	Anderson	Block Is., RI	07/10/01	G Matvienko	Offshr., Barnegat Ridge, NJ	33	11/23/01
27	J	Foti	South Beach, NY	06/18/00	R Scarborough	Newport News, VA	33	11/23/01
15	A	Anderson	Thames R., CT	12/29/00	P Faucher	Norwich, CT	16	11/24/01
25	T	Surgent Jr.	Belmar, NJ	11/12/01	G Zimmer	Long Beach Is., NJ	25	11/24/01
20	J	Dickinson	Susquehanna Flats, MD	04/24/00	J Richardson	Pooles Is., MD	21	11/24/01
29	A	Anderson	Block Is., RI	05/15/01	D Kokkons	5 mi. W Montauk, NY	32	11/24/01
26	S	Jakubowski	Old Orchard Lt., NY	05/17/01	E Dols	Breezy Pt., NY	32	11/24/01
15	N	Ciampa	Freeport, NY	07/31/97	R Newallis Jr.	Flynn's Knoll, NJ	25	11/24/01
25	S	Jakubowski	Raritan Reach, NJ	05/08/00	G Rohana	S Cape May Inlet, NJ	30	11/24/01
24	C	Maxon	Boston, MA	09/02/01	D Horneff	Brant Beach, NJ		11/24/01
21	R	Pirone	Harts Is., NY	06/17/01	P Floro	Island Beach St. Pk., NJ	24	11/25/01
18	A	Anderson	Thames R., CT	12/19/98	G Korteweg	Mystic, CT	22	11/25/01
26	A	Anderson	Block Is., RI	09/23/00	C Nuttle	Cape May, NJ	28	11/25/01
24	S	Boulmetis	Flynn's Knoll, NJ	06/05/01	M More	Secaucus, NJ	28	11/25/01
21	B	Shillingford	Strathmere, NJ	11/14/01	J Galezniak	Cape May, NJ		11/26/01
24	A	Schweithelm	Northport, NY	06/10/01	B Ferrandino	Moriches Bay, NY	25	11/26/01
27	A	Anderson	Block Is., RI	06/28/01	V Weil	Harvey Cedars Lump, NJ	30	11/26/01
20	S	North	Atlantic Highlands, NJ	11/20/99	M Yarworth	Narrow R., RI		11/26/01
26	A	Schweithelm	Montauk Pt., NY	06/28/00	J Butler	Ches. Bay Brdg. Tun., VA	31	11/27/01
27	D	Kelly	Orient Pt., NY	09/26/01	K Buzby	Cape May, NJ		11/27/01
19	J	Brown	Noank, CT	06/11/92	W Lee	West Bank Lt., NY	30	11/27/01
23	W	Fischer	Brigantine, NJ	07/09/01	R Shetler	Corson's Inlet, NJ	27	11/27/01
35	D	O'Rourke	Old Orchard Lt., NJ	05/08/00	D Gerwitz	Ches. Bay Brdg. Tun., VA	36	11/27/01
21	J	Marker	Chatham, MA	07/25/01	M Witscher	Barnegat Lt., NJ	32	11/27/01
35	J	Della Porta	Swampscott, MA	09/04/01	G Dowd	Jones Inlet, NY	28	11/27/01
26	D	Pinson	Block Is., RI	06/15/01	R MacDonald	Cape May, NJ	26	11/27/01
21	A	Schweithelm	Crab Meadow Beach, NY	07/31/99	G Gilbert	Cape May, NJ	26	11/27/01
28	T	Marburger	Shnnecock Inlet, NY	06/24/01	E McCarthy	Pt. Pleasant, NJ		11/28/01
30	S	Hartmann	Eatons Neck, NY	06/03/01	L Thayer	Delaware R., DE		11/28/01
20	R	Kyker	Westport, CT	10/04/01	J Wade	Island Beach St. Pk., NJ	20	11/28/01
29	S	Jakubowski	Romer Shoal, NJ	05/28/01	G Lopez	J.F.K. Airport, NY	33	11/29/01
32	D	Nova	Oregon Inlet, NC	02/20/01	B Kleinrock	Hooper Is. Lt., MD	35	11/30/01
21	F	Stunkel	Westport, CT	10/02/99	A Poukish Sr.	Wildwood Cr., NJ	27	11/30/01
29	R	Conklin	Moriches Inlet, NY	10/23/01	R Colarusso	Great South Bay, NY	32	11/30/01
23	G	Blank	East R., NY	10/12/99	J Cohen	Princess Bay, NY	23	11/30/01
18	D	Sweet	Warren, RI	08/12/98	H Mockewich	Cape May, NJ	28	11/30/01
22	R	Kyker	Stamford, CT	08/11/01	G Louie	East R., NYC	24	12/01/01
20	N	Fiorillo Jr.	Monmouth Beach, NJ	11/25/98	T Bryan	Wildwood, NJ	29	12/01/01
35	W	Perfman	Atlantic Beach, NY	10/15/01	W Schettler	Delaware Bay	35	12/01/01
29	D	Kelly	Orient Pt., NY	10/11/01	T Corbey	Gardiners Bay, NY	30	12/01/01
33	D	Kelly	Orient Pt., NY	09/02/01	R Catena	Montauk, NY	36	12/01/01
20	R	Guttadauro	Princess Bay, NY	07/14/01	F Peralta	Harlem R., NYC		12/01/01
20	S	Radossi	Upper NY Bay, NY	11/13/99	F Silhan	Fire Is. Inlet, NY		12/02/01

Species		Place Tagged	Date	Recapturer	Location	Length Date	
Length	Tagger						
25	G Blank	East R., NY	10/13/99	G Borkun	Breezy Pt., NY	32	12/02/01
31	F Ryan	Darien, CT	07/25/97	G Wetmore	11B, Eatons Neck, NY	41	12/02/01
17	A Messina Jr.	Little Neck Bay, NY	10/14/01	E Messina	Scarborough, NY	20	12/03/01
27	J Matzinger	Swift Cr., NY	11/03/01	J Laucius	Island Beach St. Pk., NJ	28	12/03/01
26	A Anderson	Montauk, NY	05/19/01	S Renz	Cape May, NJ		12/04/01
17	A Schweithelm	Northport, NY	11/13/99	G Gillum	Manasquan, NJ	23	12/04/01
23	C Silva	Newport, RI	06/21/96	D Kelly	4 mi. N Fortescue, NJ	35	12/04/01
20	H Sweet	Barrington, RI	06/12/97	A Pagan	Moriches Inlet, NY	32	12/04/01
19	M Simmons	Barnegat Lt., NJ	12/08/95	J Salvo	Cold Spring Inlet, NJ	26	12/05/01
29	R Leja	Bridgeport, CT	10/04/00	E Keller	E. Rockaway Inlet, NY	31	12/05/01
26	F Stunkel	Stamford, CT	06/30/99	J Rade	Montauk Pt., NY	31	12/05/01
31	R Guttadauro	Annadale, S.I., NY	11/11/01	J Albin	Raritan R., NJ	31	12/05/01
10	A Anderson	Connecticut R., CT	05/10/01	B Gregorski	Old Saybrook, CT	14	12/05/01
29	S Jakubowski	Old Orchard Lt., NY	05/08/01	S Shaffer	Upper E Chesapeake Bay, VA		12/05/01
25	E Glanz	Atlantic Bch. Brdg., NY	05/11/00	R Miesowicz	Raritan Bay, NJ	31	12/05/01
26	W Perlman	Rockaway, NY	11/12/01	J Fleischmann	E. Rockaway, NY	28	12/07/01
21	B Shillingford	Strathmere, NJ	07/09/01	R McCabe	Ocean City, MD	25	12/07/01
25	F Casey	Boston, MA	06/01/01	P Regula	Sandy Hook, NJ	25	12/07/01
16	D Hoxsie	Charlestown, RI	06/19/97	J Costa	South Amboy, NJ	30	12/07/01
20	P Grippo	Wantagh, NY	06/10/01	A Graciano	Manasquan Inlet, NJ	22	12/08/01
23	F Stunkel	Stamford, CT	09/19/98	S Horan	Montauk, NY	28	12/08/01
21	R Nystrom	Fairfield, CT	06/25/00	H Rauer	Sandy Hook Bay, NJ	25	12/08/01
16	J Zaffuto	Democrat Pt., NY	05/05/96	S Horan	Montauk, NY		12/08/01
24	D Kelly	Orient Pt., NY	10/01/00	E Ernst	Montauk, NY	25	12/09/01
30	S Hartmann	Eatons Neck, L.I., NY	08/13/00	A Yanovsky	Bay Ridge, NY	30	12/10/01
24	R Leja	Bridgeport, CT	10/22/98	R Catena	Montauk, NY	33	12/10/01
24	R Chmiel	Watch Hill, RI	06/22/99	J Young	Cape May, NJ	33	12/10/01
31	S Jakubowski	West Bank Lt., NY	05/24/01	C Austin	Urbana, VA	34	12/11/01
14	W Smagalski	Upper Hackensack R., NJ	07/25/00	W Smagalski	Upper Hackensack R., NJ	14	12/11/01
25	J Behl	Salem, MA	05/24/98	S Jakubowski	Romer Shoal, NJ	27	12/11/01
33	F Montz	New Haven, CT	07/20/01	R Bock	Chincoteague Inlet, VA		12/12/01
24	F Laskowski	Fairfield, CT	05/22/99	E Figueroa	S. George, S.I., NY	33	12/13/01
35	W Perlman	Atlantic Beach, NY	10/15/01	B Berwind	Atlantic Beach Brdg., NY		12/13/01
29	J Della Porta	Lynn, MA	08/18/01	T Kaider	Jones Inlet, NY	33	12/13/01
27	B Shillingford	Cape May Rips, NJ	04/28/96	P Maksimow	Cape May Rips, NJ	38	12/15/01
29	S Hartmann	Eatons Neck, NY	07/01/01	R Hartley	Cape May, NJ		12/16/01
32	S Jakubowski	Old Orchard Lt., NY	05/17/01	R Uhler	Oregon Inlet, NC	35	12/16/01
21	B Semasek	Indian R., DE	06/01/98	C Willingham	Ocean City, MD	28	12/16/01
24	A Piszczatowski	Glen Cove, NY	10/02/01	B Brownstein	Cape May, NJ	25	12/16/01
22	B White	Wakefield, RI	05/06/00	G Matteson	S. Kingstown, RI	26	12/17/01
34	R Gardrel	Block Is., RI	09/09/01	M Bulkley	Ocean City, MD	34	12/17/01
21	R Nystrom	Stratford, CT	11/08/01	L Feniger	Long Branch, NJ	21	12/19/01
23	F Stunkel	Stamford, CT	07/10/01	J Orlando	Seaside, NJ		12/19/01
28	R Templeton	Block Island, RI	06/04/00	P Jackson	Lower DE Bay	34	12/19/01
24	P Grippo	Jones Inlet, NY	12/02/01	B Joyce	Mantoloking, NJ	24	12/19/01
22	R Leja	Bridgeport, CT	10/04/00	A Ristori	Belmar, NJ	23	12/20/01
28	S Hartmann	Eatons Neck, NY	10/04/01	G Short	Ocean City, MD	28	12/20/01
29	A D'Amato	Cape May, NJ	11/16/01	C Malta	Sea Girt, NJ		12/21/01
19	F Stunkel	Darien, CT	10/04/99	T Melito	Offshr., Manasquan, NJ	27	12/21/01
24	A Anderson	Block Is., RI	05/29/01	D Schiffhauer	Barnegat Inlet, NJ	27	12/21/01
26	G Ottavio	Cape May, NJ	11/24/01	C Faircloth	Ocean City Inlet, MD	26	12/21/01
24	W Terrill	Provincetown, MA	10/02/01	J Nirschl	Sea Bright, NJ	24	12/22/01
16	G Kerhan	Sandy Hook, NJ	11/24/00	A Anderson	Norwich, CT	17	12/22/01
30	A Anderson	Block Is., RI	05/15/01	H Jackson	Smith Point Lt., VA	30	12/23/01
29	B White	Block Island, RI	06/24/00	E Warner	Chesapeake Bay Brdg., MD	31	12/24/01
14	A Schweithelm	Asharoken, NY	08/16/00	J Costa	Perth Amboy, NJ	19	12/25/01
28	A Anderson	Block Is., RI	07/05/01	M Bieniewicz	Indian R. Inlet, DE	30	12/25/01
31	A Anderson	Block Is., RI	06/08/01	W Kowalski	Kearny, NJ	31	12/26/01
20	H Sweet	Barrington, RI	10/13/97	J Costa	Perth Amboy, NJ	27	12/27/01
26	A Anderson	Block Is., RI	07/06/01	D Hirsch	Avalon, NJ	26	12/28/01
27	R Nystrom	Bridgeport, CT	07/09/00	E Oberg	Montauk, NY		12/29/01
34	S Jakubowski	Romer Shoal, NJ	05/29/01	R Lentz	James R. Brdg., VA	37	12/30/01

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7	A DeFrancisco	S. Housatonic R., CT	10/15/99	R Desrosiers	3 mi. S. Stratford, CT		04/30/01
13	L Gonnello	Flynn's Knoll, NJ	04/26/01	L Gonnello	Flynn's Knoll, NJ	13	05/24/01
12	L Gonnello	Flynn's Knoll, NJ	04/30/01	L Gonnello	Flynn's Knoll, NJ	12	06/02/01

Species	Length	Tagger	Place Tagged	Date	Recapturer	Location	Length	Date
	9	A Piszczatowski	Glen Cove, NY	05/10/01	A Piszczatowski	Glen Cove, NY	10	07/14/01
	10	L Velsor	Atlantic Beach Reef, NY	09/06/01	G Fariello	Atlantic Beach Reef, NY		09/01/01
	11	J Dotsey	Rockaway Reef, NY	08/01/01	J Gelb	Sheepshead Bay, NY		09/10/01
	10	J Dotsey	Rockaway Reef, NY	08/01/01	A Bocchi	Rockaway Reef, NY	12	10/11/01
	14	G Brouillette	Narragansett Bay, RI	10/14/01	P Karcz	Narragansett Bay, RI	14	10/21/01
	12	G Brouillette	Narragansett Bay, RI	10/14/01	P Karcz	Narragansett Bay, RI	14	10/21/01
	11	M Hawkins	9 mi. NE Ocean City, MD	04/28/01	H Hickman Jr.	Fenwick Is. Wreck, DE	11	10/21/01
	12	A Piszczatowski	Glen Cove, NY	10/15/00	A Piszczatowski	Glen Cove, NY	13	10/29/01
	11	G Brouillette	Narragansett Bay, RI	10/14/01	A Bolduc	Narragansett Bay, RI	12	10/29/01
	11	G Mehmood	Raritan Bay, NJ	10/25/01	R Madel	Old Orchard Lt., NY	11	10/31/01
	12	N Ignacio	Raritan Bay, NJ	10/25/01	R Madel	Old Orchard Lt., NY	13	10/31/01
	16	A Piszczatowski	Glen Cove, NY	10/14/01	M Beberman	Mamaroneck, NY		11/08/01
	17	A Piszczatowski	Glen Cove, NY	11/04/01	V Vaccaro	L.I. Sound, NY		11/09/01
	18	A Piszczatowski	Glen Cove, NY	11/08/01	J Morandi Jr.	Poling Bros. wreck, CT	20	11/10/01
	17	A Piszczatowski	Glen Cove, NY	11/04/01	J Breen	W. L.I. Sound	17	11/11/01
	17	A Piszczatowski	Glen Cove, NY	11/01/01	J Breen	W. L.I. Sound	17	11/11/01
	12	A Piszczatowski	Glen Cove, NY	11/04/01	D Isaac	W.L.I. Sound		12/04/01
	15	A Piszczatowski	Glen Cove, NY	10/12/01	R Rivera	L.I. Sound, NY		12/04/01
	20	A Piszczatowski	Glen Cove, NY	11/01/01	D Nanton	L.I. Sound, NY		12/04/01
	17	A Piszczatowski	Glen Cove, NY	10/22/01	S Ayala	Off City Is., NY		12/07/01
	10	A Piszczatowski	Glen Cove, NY	05/10/01	S Ayala	Off City Is., NY		12/07/01
	19	A Piszczatowski	Glen Cove, NY	11/01/01	C Hufnagle	W.L.I. Sound	19	12/09/01
	16	A Piszczatowski	Glen Cove, NY	10/12/01	J Palmer	60' water, W. L.I. Sound	16	12/10/01
	17	A Piszczatowski	Glen Cove, NY	10/12/01	J Palmer	60' water, W. L.I. Sound		12/10/01
	14	A Piszczatowski	Glen Cove, NY	11/04/01	J Palmer	60' water, W. L.I. Sound		12/10/01
	17	A Piszczatowski	Glen Cove, NY	11/04/01	J Palmer	60' water, W. L.I. Sound		12/10/01
	15	A Piszczatowski	Glen Cove, NY	11/01/01	J Palmer	60' water, W. L.I. Sound	16	12/10/01
	12	D Goodwin	SE Jones Inlet, NY	06/09/01	C Nakashian	SE Jones Inlet, NY		12/17/01

Triggerfish

15	C Fiorillo	Deal, NJ	08/02/01	W Egerter	Seaside Pk., NJ		09/15/01
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Weakfish

20	A D'Amato	Cape May Inlet, NJ	06/01/01	B Drew	USCG, Cape May, NJ	20	06/06/01
19	A D'Amato	Cape May Inlet, NJ	06/07/01	K Laudeman	Cape May Inlet, NJ	19	06/18/01
23	B Shillingford	Strathmere, NJ	07/13/01	R Sajitova	Strathmere, NJ		07/30/01
25	P Cappuccia	Little Egg Hbr., NJ	05/23/01	O Kline	Harvey Cedars, NJ	25	08/03/01
13	M Bode	Ocean City, MD	07/21/01	F Phillips	Ocean City, MD	16	09/28/01

Winter Flounder

12	C Kurtzke	Jamaica Bay, NY	03/28/01	G Philippo	Jamaica Bay, NY	12	04/28/01
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The American Littoral Society's web address is now
www.littoralsociety.org

Check out our tagging section at
www.littoralsociety.org/tag.htm

Or visit some of these other fishing or tagging related sites
www.soundfishing.com

www.njstriper.com

www.reel-time.org

www.neangling.com

Protecting Coastal Wetlands

by DAVE GRANT

"It took a lot to get a little, but we farmed every inch of that land. We even put the swampy part to use, as a pasture for cows..."
From: "Pataki," by Governor George Pataki (NY)



A tidal wetland at the Aransas National Wildlife Refuge on the Gulf Coast of Texas. The three birds are whooping cranes, an endangered species that nests inland (Nebraska, for example) and winters in coastal marshes.

Coastal wetlands, especially tidal marshes, are some of our most productive and threatened ecosystems. To better understand these threats and people's attitudes about them, we surveyed wetland scientists, managers, educators and environmentalists for an overview of their concerns and perceptions. The results are varied and interesting, and when compared to the data on wetlands losses reported from various state and federal agencies, indicate a high level of understanding of the threats by respondents. The results also revealed some interesting trends and attitudes in different regions.

Grant is the director of Brookdale College's Ocean Institute at Sandy Hook, and wrote the New Jersey version of Saving Wetlands: A citizens' guide for action, for the National Audubon Society. All photos by the author unless otherwise noted.

Coastal wetlands defined

Coastal wetlands, according to Ralph Tiner (US Fish and Wildlife Service) and others, are "low-lying areas periodically flooded by tidal waters for varying lengths of time. They are associated with barrier beaches, salt water embayments and tidal rivers along the coastline. They generally include tidal flats, salt and brackish marshes and tidal freshwater marshes, shrub and scrub areas and swamps, mangrove swamps, salt barrens or flats, intertidal rocky shores, beaches and aquatic beds.") Although there are a great variety of coastal wetlands types, and many are regional in nature, flooding by tidal water is the common denominator of all of them.

The Natural Oceanic and Atmospheric Administration (NOAA), looking at the "big picture," expands this definition somewhat, including wetlands within the Estuarine Drainage Areas (EDA) as part

of a Coastal Wetlands Area (CWA) stretching from upstream, freshwater areas downriver to the sea-grass beds. This is important for proper management since even those uninformed about the complicated issues involved in managing an ecosystem, understand that water (and the problems associated with it) flows downhill.

Perhaps the best example is Chesapeake Bay, North America's largest estuary, with a watershed that drains parts of six states, and accounts for about 45% of the EDA of the Middle Atlantic coast. However just a fraction of it is coastal wetland. These limited wetland resources are greatly affected by the urban, agricultural and forestry activities that occur on about half of the land area. They are also at the receiving end of over a thousand pounds of pesticides and fertilizers that are applied to each square mile every year, hundreds of industrial and wastewater "point" sources of water pollution, and innumerable sources of "non-point" source pollution from 15 million residents.

Wetland distribution

Although coastal wetlands comprise 30% of the wetlands types in the contiguous United States (about 27 million acres) they are not distributed evenly. Eighty-one percent are found in the Southeast, with more than half (51%) concentrated on the Gulf coast, and the remainder (30%) in the Southern Atlantic region. Nationally, the states with the most coastal wetland

acreage are (in order of acreage): Florida, Louisiana, South Carolina, Texas, North Carolina, Georgia, Alabama and New Jersey. More than three-quarters of coastal wetlands in the contiguous states are associated with the wider, shallow estuaries of the East, and the largest concentrations are found in the Everglades-Ten Thousand Islands system in Florida, the Mississippi Delta region, and Albemarle-Pamlico Sound in North Carolina.

Despite their great size, Washington, Oregon and California, account for less than two percent of coastal wetlands. This apparent incongruity is related to the ruggedness of their coastlines, but human activities weigh heavily too and California leads the nation in wetlands loss, with a 99% reduction.

Alaska, because of its size, geography, remoteness and limited development, is an exceptional case with more than half of the nation's remaining wetlands; over

170,000,000 acres -- much of it in the Yukon and Kuskokwim river deltas. Despite having a coastline longer than the rest of the coastal states combined, estuarine and marine intertidal wetlands are a small percentage of the entire wetlands acreage in Alaska. About 2.18 million acres are classified as estuarine, including 48,000 acres of marine intertidal wetlands.

Coastal wetlands are elastic ecosystems thriving in a dynamic geologic province. They move, disappear and reform at a natural pace that is for humans, barely per-



The age of a salt marsh can be dated by reading the layers of a core sample; the core here is being collected in the tidal wetlands of Brewster, Massachusetts. The person in the center appears to be puzzled.

ceptible, but biologically and ecologically, is quite acceptable. Natural processes like shifting shorelines and changing sea level constantly alter them.

In spite of the great biological and economic importance of wetlands, most states have sacrificed significant acreage to development during the last two centuries. Nationally, about 58,500 acres have been lost annually in past decades. Little data document the early rates of destruction during Colonial times, but as with most other wetlands, what remains is less than half of what existed in the 1700s.

In New Jersey, for example, more than 85,000 acres of tidal marsh has disappeared since 1925. Much of it was filled at a tremendous rate, over 3,000 acres a year, typically for vacation homes at the shore, until the state passed the Wetlands Act of 1975. Today, losses are reduced to about 50 acres a year, mostly for public works projects like utility right-of-ways, highway construction and causeways out to barrier beaches in the southern part of the state, (where nothing should be done to encourage more development.)

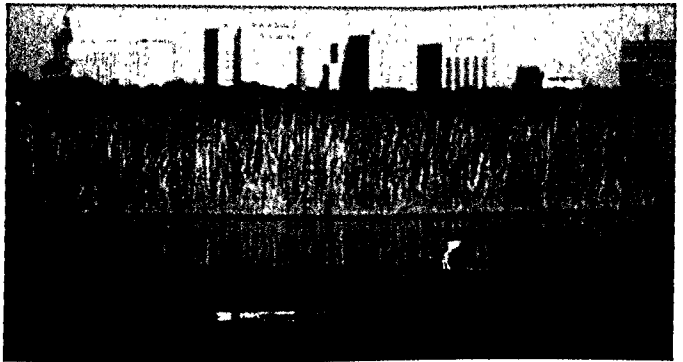
Methods

Interest in conducting this survey was motivated by several factors. Certainly, the primary reason is that these are interesting ecosystems. Another was the opportunity to tap into a national audience -- members of the National Marine Educators Association gathering at their annual meeting. Third, is the lingering menace from efforts started by the Bush administration ("Bush the Elder") to redefine "wetlands" in a way that might result in further losses, despite his "No net loss" pledge, a goal that the nation has

yet to achieve.

The information about wetlands presented here is a snapshot of the attitudes and concerns of a wide assortment of individuals from around the country. To develop relevant questions and a list of knowledgeable people to pose them to, local wetland scientists and advocates were consulted for their opinions and ideas. Some especially helpful individuals who assisted and guided us include: Ken Thoman and Sue Draxler (Monmouth County Parks System) Linda Stefaniak (Allentown High School), Owen Hatteras (American Littoral Society) and the late Dr. William Niering (University of Connecticut and Humbolt Field Research Institute, Maine).

Predictably, because of their biological and economic importance, many people have strong feelings about wetlands protection, and it was easy to generate survey questions. Our target audience was wetlands scientists, regulators and marine educators at the local, state and national level from all of the coastal states. They were contacted by direct mailings. In addition, we were able to fill in many blanks by surveying participants at the annual conference of the National Marine



Kearny marsh with Newark New Jersey in the background, and New York City less than 10 miles the other way. The marsh is one of the state's most productive; It was formed by accident (probably an illegal dredge and fill), and is fed by stormwater runoff. The bird in the center foreground is a black-crowned night heron. Photo by Anne Galli.

Educators Association.

Over 325 questionnaires were returned and evaluated. Any that were incomplete or had confusing responses were rejected. I'm compelled to share a few anecdotes to illustrate how interesting it can be to undertake such an endeavor.

Surprisingly, many of the respondents one might classify as environmental activists and advocates (self-described *bunny-huggers* and the like) proved to be the most difficult to get timely responses from, and as a result, several mailings were done. Perhaps not too astounding, efficient administrators at the middle levels of government needed little encouragement to return the survey or pass it to a subordinate for action, and it wasn't even an election year.

We received a particularly memorable *deep throat* phone call from a government employee of one state (let's just say it has oil, deltas, and shrimp dishes and politics that are hot and spicy.) in which he cautioned us that he "could not get the approval of his superiors to participate" so he was passing along the questionnaire to a local environmental group.

Perhaps the most insightful response came from a Middle Atlantic bureaucrat who felt compelled to write a review of the questions and reorganize them and the choices into the "proper (alphabetical) order." (That was one destined for the circular file.) Regardless of their responses, all were thanked for their participation.

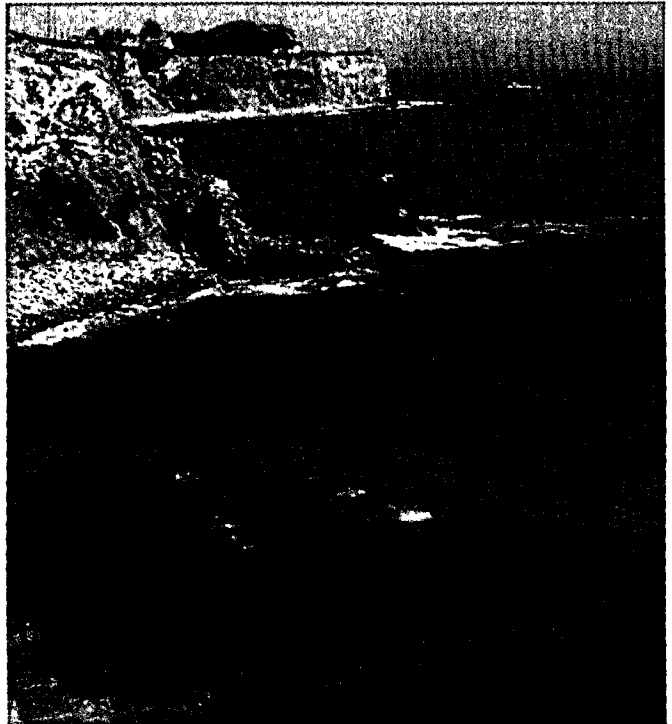
The occupational breakdown of respondents is as

follows: Government and regulatory agencies (73.4%), Educational institutions (15.3%), Environmental and Advocacy groups (11.3%). Most respondents are paid staff (58.5%) and directors or supervisors (31.7%), and the remainder (9.8%) described themselves as educators and naturalists.

Data were evaluated nationally then compared regionally, and ranked according to the number of first, second and third responses. The regions are: New England (ME, NH, MA, RI, CT), Middle Atlantic (NY, NJ, PA, DE, MD, VA), South Atlantic (NC, SC, GA), Gulf (FL, AL, MI, LA, TX), Pacific (AK, WA, OR, CA) and Islands (Hawaii, Guam and Puerto Rico).

Results: Threats to Wetlands

The responses pertaining to the *greatest*



The southern California coast (and most of the Oregon and Washington coasts) has few wetlands, and California leads the country in percentage of wetland loss - above 90 percent, most of that in San Francisco, the state's only estuary of size.

threats to wetlands are divided into Human and Natural threats.

Human threats to wetlands

Wetland types are variable, shaped by the environment according to location, hydrology, climate, soil and fire frequency. The ways that humans disturb wetlands are as diverse as the many types of wetlands that exist. Urbanization of coastal areas destroys wetlands and affects adjacent areas through: filling, dredging, the creation of impervious surfaces, increased runoff, sedimentation, nutrient loading and the introduction of toxic chemicals from point and non-point sources.

Home construction also affects wetlands through habitat loss, sewage disposal and the introduction of exotic or invasive species. Shoreline stabilization projects alter wetlands, especially in coastal areas, and isolates upland areas that wetlands can naturally retreat to as sea level rises. Roads and bridges can alter hydrology and affect the salinity of coastal wetlands.

Agricultural practices on existing and former wetlands can have significant impacts on adjacent wetlands. Although the "Swampbuster" provision of the 1985 Food Security Act discourages the conversion of wetlands to agricultural production, many permitted practices by farmers, like maintaining roads, ditches and drainage systems, timber harvest (silviculture), livestock grazing, and the application of fertilizer and pesticides, can interfere with wetlands function and impact wildlife.

In our survey, *urbanization* received the most first-choice responses nationally (23%); followed by *non-point pollution* (16%), *vacation homes* (10%), and *agricultural development* and *dredge-and-fill* activities (9% each). Other activities that are of concern include: *commercial development* (7%), *shoreline stabilization* (6%), *agricultural* and *forestry* practices (4%), *industrial runoff* (4%), *sewage*

(3%), *transportation corridors* (3%), and two percent each for *oil spills* and *primary residences*.

Responses making up less than one percent of the tally were: *industrial development*, *tidal flow restrictions*, *bulkheading*, *fertilizer*, *land-filling* and *leaching of contaminants*, *pesticides* and *sedimentation*.

Not surprising, some of these threats are more significant in different regions. For example: In the Gulf region, *dredge-and-fill* ranked highest among respondents. In New England and the South Atlantic, *non-point pollution* ranked highest. And in the Middle Atlantic States, *vacation homes* ranked second to *urbanization*. The threats presented by region are:

- New England: Non-point pollution, urbanization, development
- Middle Atlantic: Urbanization, vacation homes, non-point pollution
- South Atlantic: Non-point pollution, urbanization, agricultural/forestry practices
- Gulf: Dredge-and-fill, non-point pollution, development
- Pacific: Urbanization, non-point pollution, agricultural/forestry practices
- Islands: Urbanization, non-point pollution, agricultural development

These opinions about threats to wetlands reflect some departure from the most recent USF&WS survey of documented losses from 1986-1997. Urbanization also topped that list with 30% of the acreage lost, but it was followed closely by agriculture (26%), silviculture and forestry (23%) and rural development (21%). This most recent data illustrates a continuing trend regarding wetlands loss. The previous surveys (1975-1985) found agriculture leading the list for wetlands disturbance and accounted for 54% of the acreage lost that decade. This is a decline from the previous two decades when agriculture accounted for 87% of the losses nationally.

The population distribution near the coast is often cited as a major threat to wetlands; and indeed, more than half of

Americans live in coastal counties and these areas have five times the population density of inland areas. However, this distribution is not that different from observations made over 200 years ago by Thomas Jefferson. What is significantly different is the size of the population today. This, and society's needs, determines the impact on wetlands. Urbanization is simply the most recent chapter in our exploitation of these valuable ecosystems.

Natural threats to wetlands

Coastal wetlands are altered by many natural processes like erosion and accretion, sea-level changes, grazing by wildlife, ecological succession, climate change and geological upheavals. In an undisturbed setting they are able to endure by migrating, responding to change and continually being re-established. Their ability to develop and thrive can be severely impeded by human activities like development along the coast.

In our survey, *erosion* (35%) received the most first choice responses nationally, followed by *rising sea level* (22%), *exotic species* (11%), *storms* (10%), *invasive species* (7%), *subsidence* (6%), *accretion* (2%), and *overgrazing* by wildlife (2%). *Fires*, *flooding*, *groundwater depletion* and *soil loss* received 1-2% each.

Louisiana loses between 16-25,000 acres of wetlands (an area larger than Manhattan) each year because of a combination of human activities like dredging, levee construction and dams reducing the amount of sediments that reach the Mississippi Delta. It is also subject to natural processes like subsidence and rising sea level, which also may be influenced by human activities. Not unexpectedly, among Gulf state respondents, *erosion*, *subsidence*, *storms*, and *rising sea level* are listed more frequently than in other regions. Surprisingly, respondents from most areas listed exotics and invasive species as major concerns.

The threats presented by region are:

- New England: Rising sea level, erosion, exotics/invasive species
- Middle Atlantic: Erosion, rising sea level, exotics/invasive species
- South Atlantic: Storms, rising sea level, erosion
- Gulf: Erosion, Subsidence, storms and rising sea level
- Pacific: Erosion, exotics/invasive species, rising sea level, accretion
- Islands: Rising sea level, exotics/invasive species, erosion

Invasive and Exotic plants and animals

Participants were asked to list invasive and exotic species that threaten wetlands in their state and the responses reflect the current regional distribution of just a minute fraction of the 4,300 alien or exotic species that are now thriving in the U.S. Some species listed have not yet reached any state (Brown tree snake in Guam). Another, *Spartina alterniflora*, is considered an exotic because it is an eastern species and has been crowding out western species where it is introduced in Washington and Oregon.

The impact of exotic species on native biodiversity can be especially pronounced in wetlands. Exotic and invasive species are often very aggressive and not only threaten the integrity of native communities and functions, they can completely replace them, as Phragmites (reed grass) has done in parts of the Middle Atlantic. This can reduce habitat and endanger local species, alter hydrology, and even have direct socioeconomic impacts, like increasing fire hazards.

Preventing the introduction of these pest species is critical because management programs for many of them are labor intensive and expensive, and have had only limited success. Estimates of the cost of controlling exotic species in the U. S. range as high as \$138 billion (about \$500. per person) each year. Louisiana is trying a novel approach to deal with the nutria or Argentine swamp beaver (*Myocaster*) by

developing new recipes that encourage residents and tourists to *sink their teeth* into the problem and serve that South American rodent in new dishes. Unfortunately, few other target species are likely to be exploited this way.

The *invasive*, reed grass (*Phragmites*) topped the list in nine Northeastern states (CT, DE, ME, MD, NY, NJ, PA, RI, VA). Considered a probable native by some authorities, *Phragmites* (or an aggressive cultivar of the native) colonizes disturbed sites and crowds out more valuable wetland plants in others. Cattail (*Typhus*), a valuable wetland plant in many parts of the world is blamed for crowding out other marsh plants in Alabama and California.

Exotics reported as problem species in other states include: Annual grasses in California; Brazilian Pepper (*Schinus*), Melaleuca and Australian "Pine" (*Casuarina*) in Florida; Autumn olive (*Elaeagnus*) in New Jersey; Chinese tallow or Popcorn tree (*Sapium*) in Alabama and Texas; Pampas grass (*Cartaderia*) in California; Purple loosestrife (*Lythrum*) in Maine, Connecticut, Oregon, Washington, Pennsylvania and New Jersey; Reed canary grass (*Phalaris*) in Oregon and Washington; and Tamarisk tree or Saltbush (*Tamarix*) in California.

Two bothersome plants are particularly interesting to me. One, because it is a good example of the complexity of the issue of exotics, and the other because it hits close to home. Water hyacinth (*Erichhornia*), labeled by some as the "world's worst aquatic plague," clogs waterways and is a nuisance to boaters. It has no enemies in Florida and Louisiana, except the manatee, which will graze on it. The manatee is threatened by habitat loss and because it is a frequently injured by boat traffic.

The other plant of interest, Scotch broom (*Cytisus*), crowds out many native species in Oregon and the Pacific Northwest, and has little value to native wildlife. It was introduced to the West Coast by an expatriate Scotsman, a Captain Walter Grant (!) who also opened

the first lumber mill in Vancouver.

Wetlands Protection

The protection of wetlands is carried out at the national, state and local levels, and individuals have a significant impact by taking a proactive role in wetlands protection. Participants were questioned about which protection and management methods they felt were the most effective in their state.

Nationally, 55% of respondents feel there is *sufficiently strong public support for continued wetlands protection in their state*. Regionally the responses ranged between 45% (Islands) and 75% (New England).

When asked *if changes are proposed in their state's wetlands protection laws*, 44% responded "Yes" nationally. Regionally the responses ranged between 25% (Islands) and 60% (Pacific). Of those who answered, "yes," 67% felt that *changes proposed in their state laws would make wetlands protection more difficult*.

Some wetlands advocates still express concern about short-sighted "No net loss" policy and wetlands classification changes proposed by the first Bush Administration, and 76% of respondents indicated such *proposed changes in federal laws would make wetlands protection more difficult in their state*. The highest level of concern expressed is from respondents of the Gulf, Pacific and New England states (85%, 84% and 65%, respectively).

When asked *what programs are most effective in protecting coastal wetlands in your state*, 37% of respondents nationwide rank state regulatory programs (state wetland protection laws) the highest; followed closely (35%) by federal regulatory programs like the Clean Water Act, River and Harbor Act of 1899, etc. Eastern regions tend to favor state programs whereas in the Gulf, Pacific and Island regions (which also tend to have greater proportions of government-owned land) federal programs received higher praise.

Private programs like Ducks Unlimited and The Nature Conservancy also received high marks from respondents and ranked third nationally (9%), followed by federal acquisition programs (U.S. Fish & Wildlife Service, National Wildlife Refuges, etc.) with eight percent. *Local and municipal* regulatory programs (Ordinances, transfer of development rights, etc.) ranked fifth (6%). Surprisingly, *state acquisition* programs (open space bond issues, etc.) were last with four percent.

Managing Wetlands

When wetlands are disturbed by human activities, *mitigation* is often required by government agencies. Mitigation is a last resort, not a substitute for wetlands preservation, and is a process to attempt to alleviate impacts on wetlands through:

- Restoration of an affected wetland after it has been disturbed.
- Creation of replacement wetland acreage where one does not presently exist.
- Enhancement to improve the functioning of a degraded wetland.
- Mitigation Banking to provide contributions of money or land for the unavoidable loss of wetlands.

Not all mitigation attempts are success-

ful. For example, in New Jersey, almost half of these projects have failed, and the result has been a *net loss* of wetlands. Tidal restoration projects have the best track record, especially when initiated adjacent to existing, functioning wetlands. Forested and other freshwater wetland mitigation projects have not demonstrated great success, and some enhancement efforts have been controversial. The least favored options are Contribution or Mitigation Bank programs, which allow the destruction of a wetland, as long as there is *no net loss* in an area. A major concern is the scope of that affected "area" since it may allow the substitution of wetlands some distance away, reducing the value of the replacement.

Nationally, only 39% feel *wetlands mitigation is a successful program in their state*. In New England and the South Atlantic, half of respondents (50%) feel their state programs are successful, but significantly fewer in the Islands (25%) and the Middle Atlantic (26%) approve of their state's mitigation efforts.

When surveyed as to the type of mitigation required, 56% responded *restoration*, 20% reported *creation* and 5% reported *enhancement*. The respondents were split almost evenly regarding the *replacement requirements* for impacted acreage (1:1 or 2:1) for their state. The National Audubon Society recommends that in cases when damage is severe or a mitigation site is separate from an existing wetland, the ratio should be greater, as high as 3:1 or even 6:1.

Wetland Values

It is said that "wetlands work 24 hours a day, seven days a week" and the value of wetlands cannot be overstated or detailed adequately here. Participants were asked



Red mangroves near Ponce, Puerto Rico. The roots provide protection from wave action on the shoreline and are ideal habitat for juvenile fishes.

what features of coastal wetlands make them most valuable to your state? Their responses are fairly consistent and are: *Habitat* (25%), *Water Quality* (19.9%), *Flood Control* (16%), *Recreation* (11.5%), *Erosion Control* (8%), *Storm Protection* (8%), *Aesthetics* (6.4%) and *Natural Products* (3.9%). All regions listed *Habitat* as the top value that wetlands provide to their state, although *Flood Control* moved into the number-two spot in the Gulf, Northeast and Pacific regions.

Wetlands worth saving and exploring

Finally, participants were asked: *Are there any coastal wetlands types that are unusual or unique to your state, or particularly threatened?* Again, the responses reflect interesting regional variations.

Many respondents from different regions included "tidal marshes" as threatened. A large number also listed vernal, ephemeral, or isolated wetlands, which are more difficult to identify and protect. Significantly, destruction of some isolated wetlands is permitted under wetlands protection laws, so these are areas of particular concern. (Most importantly, these responses also gave me a complementary guide to interesting wetlands worth exploring on my next vacation.)

Starting in New England, one encounters unusual *raised peatlands* (coastal bogs) along the coastal strip of Downeast Maine. Dominated by dwarfed shrubs, sub-arctic plants and orchids, some of these actually drain directly into saltwater at the seashore. They are threatened by development, rising sea level and peat harvesting. In Massachusetts, *Coastal Plain Ponds* (Ponds without inlets or outlets, and which are tied to the water table) and *cranberry bogs* (Natural peatlands dominated by cranberries and bog plants) are threatened by development, pollution, and draw-down of water tables from too many private and municipal wells. These areas harbor a disproportionate number of endangered species, including some that

are globally rare.

Coastal fens were listed too. These were a new one on me and a bit of a puzzle, since the only fens I was familiar with are those small peculiar limestone springs found in mountainous areas. A reticent Cape Codder piqued my curiosity with a cryptic response to my inquiry: "Why don't you ask the Red Sox?" Persistence on my part paid off and I was rewarded with another enigmatic response, but it helped describe them and the threats to them: "Ever hear of Fenway Park?"

In Rhode Island, Connecticut and New York, *tidal ponds* were listed most frequently, and these are threatened by development, pollution, bulk-heading and shoreline protection structures. Also in Connecticut and in New Jersey, Pennsylvania and Virginia, *freshwater tidal creeks* are threatened by pollution, utility rights-of-way, development and changes in tidal flow and hydrology. These limited sites, dominated by non-persistent plants like wild rice and arrowhead, and cattails, are some of the most valuable habitat for fish and migrating waterfowl.

Also in the Middle Atlantic region, ephemeral and isolated wetlands were repeatedly listed. These tend to be peculiar little shrub bogs, wet meadows and vernal pools with local names like *spongs*, *pingos* and *pocosins* (in New Jersey) and *whale wallows*, *sea level fens* and *Delmarva bays* in Delaware and Maryland. Although their method of formation is poorly understood, these wetlands are another variation of a coastal depression, dominated by deciduous trees, shrubs, grasses and sedges, some of them rare.

In the South Atlantic region, *Carolina bays* and *Maritime forests* were listed. Carolina bays are unusual, elliptical ponds and shallow wetlands, dominated by evergreen "bay" trees, like sweetbay magnolia and redbay. Thousands exist on the coastal plains from Florida to Delaware, and some are large, but their origins are a mys-

tery. Many have been filled for farming or altered by timber harvesting. More than 97 percent of the Carolina bays once found in South Carolina have been destroyed or severely altered.

Dry and wet maritime forests are found on barrier islands and sea islands of the Carolinas, Georgia and Florida. Many oak and cedar maritime forests along the entire eastern seaboard were logged-out for ship building in colonial times, and are today threatened by development, salt-water intrusion and erosion.

The *Everglades* or River of Grass (emergent freshwater wetlands prevalent in South Florida) is threatened by agricultural development and runoff, freshwater diversion, saltwater intrusion, exotic plants, soil desiccation and fires. Florida *mangroves* (forests of saltwater-tolerant trees with floating seeds) also are threatened by development. Although cutting mangroves is prohibited, some homeowners practice, what is called locally, *Midnight Blight* to open their view to the water. Black mangroves along the south Texas coast (which grow farther north than other species) are threatened by

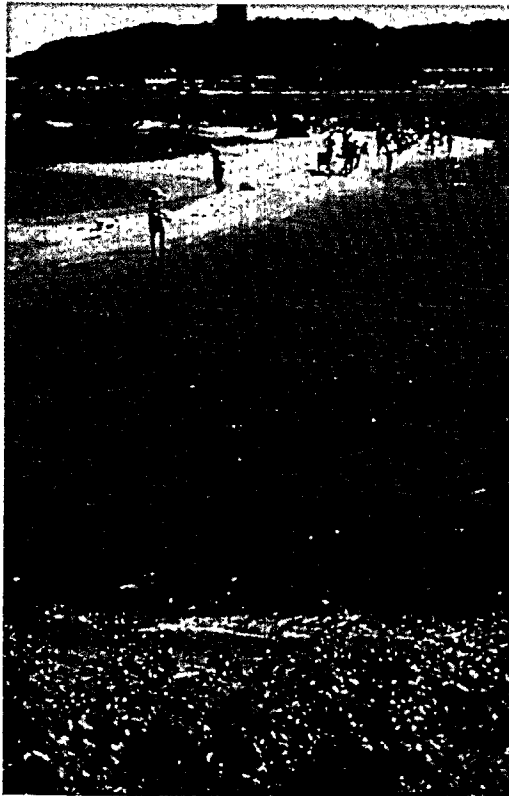
coastal development on barrier beaches and die-off during severe winters.

In Alabama, there is concern for *carnivorous plant bogs*, peatlands with poor drainage, high acidity and insectivorous plants. Since they are isolated wetlands, they are threatened by farming and development. In Mississippi and Louisiana, concern was expressed for delta and riverine swamps and marshes. Besides problems like subsidence and rising sea level, lumbering is still an important industry along this part of the Gulf coast and threatens the remaining cypress and lowland forests.

On the West Coast, *inter-dunal bogs* were listed as threatened because they are restricted to a narrow band of coastline. These coastal peatlands are dominated by spruce and other bog plants.

Wetlands in Alaska are the least threatened and most abundant in the country, but concern was expressed regarding oil development and transportation, and the inevitable spills that occur.

Island wetlands have not escaped threats from *tourism* and *commercial development*. *Ephemeral wetlands* were identified as threatened in Hawaii, and



This sand spit on the back side of Sandy Hook, New Jersey, provides the calm waters conducive to marsh building, upper left. Summer seining turns up as many as 20 species of juvenile fishes feeding near the saltmarsh grasses - weakfish, northern kingfish, blackfish and cunner, sea robins, snapper blues, pollock, and tropicals in the late summer.

tourists should note that Waikiki beach (which means "spouting waters" and referred to the many freshwater springs and seeps where taro was once cultivated) has only hotel fountains remaining. Hawaii harbors many endangered plants and animals including freshwater species that have evolved there and rely on these threatened wetlands.

Respondents from Guam and Puerto Rico expressed concern over *commercial development* on the coast. In Puerto Rico, vacation home construction and agriculture, particularly sugar cultivation, threatens wetlands; and a proliferation of illegal houseboats threatens its mangroves, bioluminescent bays, and coral reefs.

Saving coastal wetlands

Our attitude about wetlands has changed over the time. Once they were regarded as waste areas or valued only for the resources that could be extracted. George Washington devised a plan to try to drain the Dismal Swamp in Virginia to convert it to "productive" agricultural land. Wetlands were also feared as the lair of pirates, boogiemens like the Jersey Devil, or worse. The great ornithologist Frank Chapman wrote in 1895, "How many evenings have I tempted the malaria germs of the Jersey lowlands to watch the Woodcock perform his strange sky dance!"

Perhaps the first person to sound the alarm about wetlands loss was the Swedish botanist Peter Kalm, who in 1749, returning from a visit to North America, complained that colonists recklessly cutting 1,000-year old Atlantic white cedar would soon destroy the forests of New Jersey.

Because they are situated below the fall line and at the lower reaches of our rivers and estuaries, coastal wetlands will always be impermanent features on the landscape. Also because of their location, they were the first and some of the hardest hit wetlands modified and destroyed by human activities. They are usually the first

casualties in the endless battle to tame our surroundings and because they are situated in our most densely populated areas will always be impacted by our activities and natural processes.

After several centuries, we are still debating how to manage wetlands, although it should be apparent by now that they are our most valuable coastal resource and every effort should be made to preserve them. Addressing the issues and concerns presented here will influence the future of coastal wetlands, but in the long run it is necessary to increase the public's awareness of the value and threats to these special places. The best protection for wetlands continues to be public ownership and vigilance by individuals to insure that wetlands and the laws that regulate them are protected. For those who would like to pursue this issue further, try the following:

Wetlands: Status and Trends in the Conterminous United States (Mid-1970's to Mid 1980's) Dahl, T.E. and C.E. Johnson. 1991. U.S. Department of Interior, Fish and Wildlife Service, Washington, D.C.

Wetlands. William A. Niering. National Audubon Society Nature Guides. Alfred Knopf Publishers, NYC, NY

Wetlands of the United States: Current Status and Recent Trends. Ralph W. Tiner. 3/84 U.S. Government Printing Office, Washington, D.C.

Field Guide to Coastal Wetlands of the Northeast United States. Ralph W. Tiner. 11/90. University of Massachusetts Press.

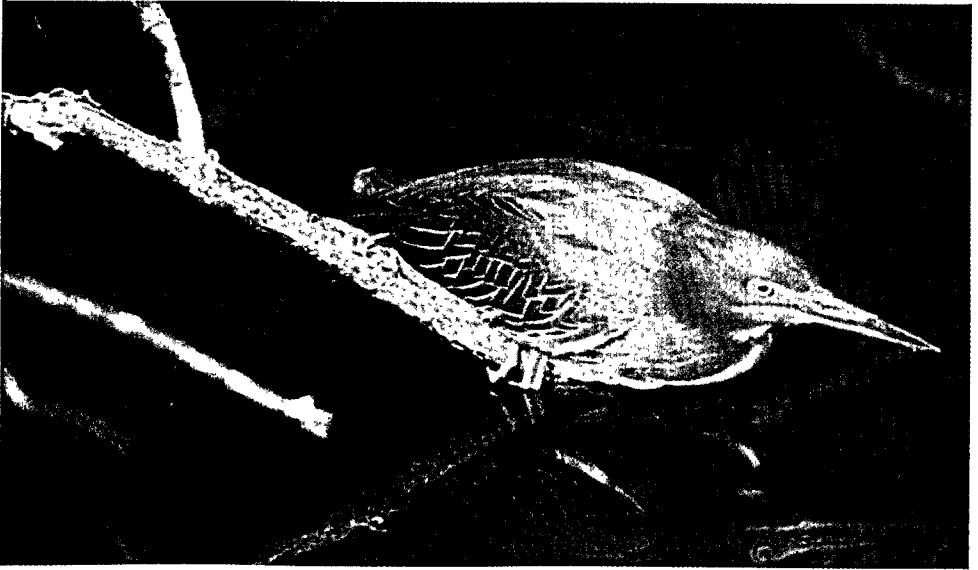
Field Guide to Coastal Wetlands of the Southeast United States. Ralph W. Tiner. 6/93. University of Massachusetts Press.

Greenhouse Effect, Sea Level Rise and Coastal Wetlands. Titus, James G. 1988 Office of Policy Analysis, USEPA. 333.91'816'093

Saving New Jersey Wetlands: A Citizens' Guide for Action in the Mid-Atlantic Region. National Audubon Society, 1104 Fernwood Ave., #300, Camp Hill, PA

Green Heron Fishes With Bait

by CHARLES ABEL



A little green heron in its active fishing posture. Serious ornithologists change its name every decade or so. Recently, it has been little green heron, green heron, or green-backed heron. Take your pick. Photo by Dave Grant.

It was the last week or two of February. My family and I were fortunate enough to find ourselves vacationing in Florida during our kid's school break. We were visiting my in-laws on the west coast on the outskirts of Fort Myers. My in-laws (snowbird's) winter habitat for several years has been Bokeelia on the northern end of Pine Island. Pine Island itself is not one of Florida's mainstream winter tourist spots. The Island has a low-key image without high rises or sandy beaches. It mainly attracts fisherman and boaters.

Charles Abel is a merchant seaman whose previous contribution to this journal was A Bad Wind For Sanderling (Vol. 25, No. 4).

The island itself is referred to as the garden island because of its large tracts of farmland, predominately nurseries.

Development is sprawling here too. With man-made water frontage the major player. I sort of hate to admit that I've been here. Definitely goes against the grain of what the Littoral Society stands for. I envision my dues being sent back with a terse expulsion note. For free accommodations though one must make sacrifices. But back to the island. Being Florida and being still rural, wild life still has a precarious foothold on the place. In short birding is easy. To be sitting pool-side and to have white ibis's constantly winging overhead with the pervasive

screaching of osprey and red shoulder hawks it's surely paradise. To see active bald eagle nests, and all the herons, wood storks, pelicans, the gulls and shore birds, woodpeckers, vultures, owls, and hawks reinforces the fact that we're a long way from Jersey.

However on this one afternoon of our short vacation we had to leave paradise and entertain the kids with a round of miniature golf and other amusements at "Mike Greenwell's Arcade," inland from Pine Island in Cape Coral. Mike was a Boston Red Sox player many years ago. Mike's place is "Fore Sale." Cape Coral is also "For Sale." It has been for many decades. To see the barren landscape of planned roads and empty lots is eerie, the likes of a nuclear waste land.

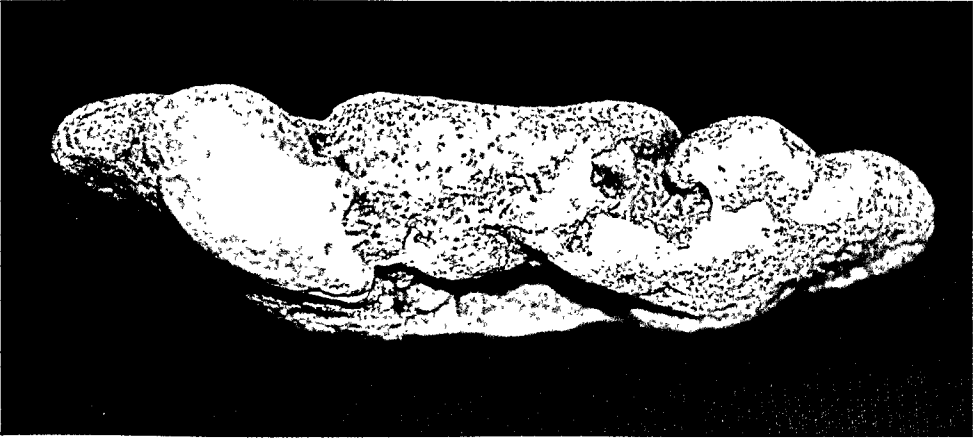
But Mike's is alive, somewhat, bordered by super dense stands of non-native trees. What a job it must be to keep that growth at bay. We entertained ourselves with our round of miniature golf, the kids hitting the arcade afterward while the adults had a refreshing break in the shade. With the arcade played out it was "Hey Dad let's ride those go-carts over there." I asked my youngest (Dylan) to check out the price. With him back with the details I followed Dylan to the track, but noticed a fish pond on the way. I had to check it out. Bounding up the steps of a shaded deck at the pond, I was immediately dejected by the sight of nothing more than a ditch of brown water below. What the hell is this thing? An alligator pond? There was no sign of life anywhere. No beady eyes. Nothing. Must be another tourist trap I guess, but then I noticed ten feet away a green heron at the water's edge. I swear the bird wasn't there when I first surveyed the pond. It was a scrawny looking bird. Maybe winter Florida green herons just tend to be small. I imagine it's sometimes easier surviving in the wild when you're puny. I'm used to seeing plump summer and fall Jersey birds on someone's dock or flushed out of a sedge. I consider the green heron the tamest of all herons, but,

I've never seen one hold so closely. I froze, thinking maybe it doesn't see me. You idiot! That bird has eyes in the back of its head. It knows your there and is probable anticipating your every move. So you can stand at ease and blow it off as a weird Florida thing. "Come on Dad let's go!" Oh yes, off to the races. So much for birding 101.

We did the go-carts and then headed for the exit. "But wait, you've got to check out this green heron in this fishless fish pond," I told our crew. So we all bounded up the deck. Of course no bird, just muddy water. "Does anyone have a quarter?" inquired one of the kids. What for, I replied. "To feed the fish!" they all said. Sure enough at kid height was a bubble gum dispenser of fish food. With the first click of the machine, and a tablespoon of mini-pellets the green heron arrived. Where from, no one did see. With the first toss of food the pond came alive. Smallmouth bass, blue gills, catfish, turtles, minnows. With the water so murky you couldn't really see the fish, so the boys were instructed to toss the food closer to the edge so we could get a good look at the fish. When the first kernel hit the shore, our green heron picked it up and took it to a spot at the water's edge. But he didn't eat it. He dropped it into the water just in front of him. If a bluegill made for his kernel in the water, the heron would quickly catch the fish. With every shower of food it looked like the fast bluegills gobbled them up. The bass and catfish seemed always too late to get in on the action. Our heron though was constantly dropping it's kernels into the water, and when a minnow darted for the heron's kernel, it was caught by the heron and quickly eaten. I think everyone realized it at the same time. That heron is fishing, and he's using bait. How could this bird be so smart? Maybe it's man's preconceived ideas of nature that are dumb. As you may have guessed, even I enjoyed an afternoon of amusements in sunny Florida.

Fossil Ghosts on the Beach

by SILVIO CRESPO, JR.



With claws in a display posture and face to the camera, well preserved ghost crab fossils like this one are hard to find. This specimen was found by the author near Canova Beach, Florida.

How many generations of children have chased ghost crabs along eastern beaches of North America? How many people have enjoyed watching these small industrious beach dwellers clean their burrows, and search for food? Although ghost crabs live on every beach from Massachusetts to Texas, their fossils are very hard to find.

Very few specimens have been described, and the locations, and preservation of these animals have been ill defined. This is most likely due to the environment where they live. The sands and sediments of the east coast beaches are constantly changing, due to wave action, tides, and wind. Ghost crabs have chosen to live and have successfully adapted to life in this dynamic environment.

The author and long time Society member was a teacher of Earth Science at Jefferson Township High School in New Jersey. He's now retired and lives on the East Coast of Florida. All photos are by the author.

Walking the beaches, one finds very few if any dead ghost crabs. Shore birds, raccoons, and other predators make quick work of those who are not vigilant, too slow, or too weak to make it back to the protection of their burrows. For the few whose remains are left on the beach, tides and wave action quickly disarticulate and grinds their remains into beach sediment.

On Florida's Space Coast, there is a thick deposit of fossilized beach sediment (the Anastasia formation -- Pleistocene) that is yielding fossilized ghost crabs (*Ocypode quadrata*, *fabricius*). The most productive area starts at Satellite Beach, and continues south to Canova Beach. This beach area is just south of Cape Canaveral in Brevard County, Florida.

Beach erosion has exposed the Anastasia Formation, a 100,000-year-old Pleistocene beach. It is a consolidation of beach sediments very similar to those we see today composing eastern beaches. Many of the same species of animals that live today lived then, and can be found fossilized in the sedimentary rock. The

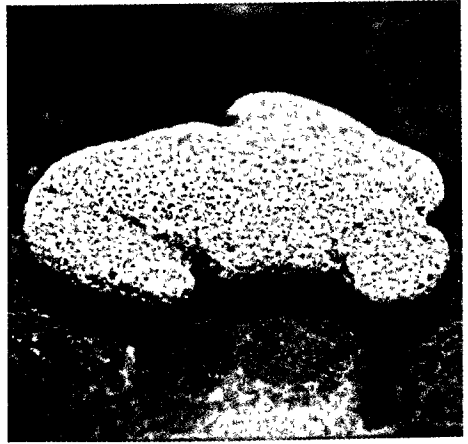
formation is the rigid spine that makes up the East Coast of Florida. It goes from Jacksonville to Jupiter, but most of the time it is covered with beach sands of recent age. The formation is exposed at maximum low tide. It is in the rock layers and rock fragments that the waves have broken up that the best fossils can be found, exposed and washed into pools and on the beach.

With patience and a good, eye one can find fossil crabs. Most are surf worn, and only hint at what they are. With luck a very good specimen can be found. These specimens preserve the actual exoskeleton of the crab.

Ghost crabs have a distinctive symmetry while they are resting. Therefore they cannot be confused with other species of crabs. They are borrows dwellers with tubular shapes so it is easier for them to enter and exit their borrows. Thus fossilized specimens are easy to identify. They must have died and are fossilized in their resting posture, indicating that they must have died in their borrows.

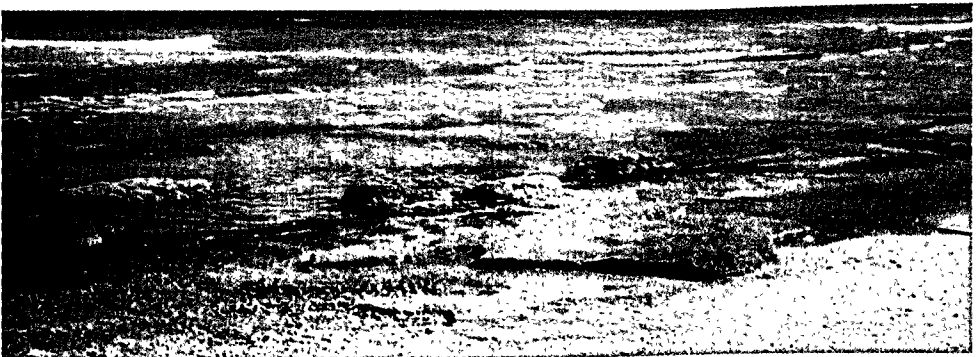
All the fossilized specimens are enrobed in fine sand, and shell fragments that have been cemented together by calcium carbonate around the exoskeleton, or have replaced the hard parts of the ghost crab leaving an internal mold.

The professional literature does not have very much information about these



One reason finding ghost crab fossils is rare. It takes an experienced eye to recognize a surf worn sample like this one.

fossils or how they are formed. In fact, there is more information about far less numerous dinosaurs than about these crabs. We can blame this on the environment in which the crabs live, a littoral zone that recycles remains rapidly, and does not allow fossilization to take place readily. Now with these new specimens we can follow a succession that spans 100,000 years to the present. We can also study how the beaches where they lived have changed, and at the same time understand the beaches of eastern North America from a time before man walked on them.



Canova Beach - along Florida's Space Coast in Brevard County. At extreme low tide beach erosion exposes the 100,000 year old Anastasia Formation and, along with it, fossils of the same age.

From The Director's Desk

"The Ocean's Easy Disregard"

The Atlantic Monthly recently published an article entitled "Anarchy At Sea" by William Landwiesche. The article opens with the dramatic lines, "...since we live on land, and usually beyond sight of the sea, it is easy to forget that our world is an ocean world, and to ignore in practice what that means. Some shores can be tamed, but beyond the horizon lies the wave-maker, an anarchic expanse, the open ocean of the high seas." Landwiesche goes on to spin a tale of pirates, unregulated and shadowy merchant ship owners, and the unpredictability of the sea - as he puts it, "the ocean's easy disregard for human constructs."

The story was a great way to pass time on a long flight but also spoke, at its essence, to a broader issue closer to the concerns and agenda of the American Littoral Society --the familiarity that "human constructs" presume about the ocean, and our ability to take from it what we will, to use it for our own purposes. We often act without the knowledge necessary to do so wisely. Neither arrogance nor ignorance, however, insulates us from the "ocean's easy disregard" for our intentions. The ocean's processes and ecology play out along well-established lines - oblivious to humanity's desired outcomes, or presumptuous expectations that our actions will be benign. All too often action in the absence of information comes with negative consequences.

To illustrate, this year, the Society continued its ongoing work to preserve an irreplaceable ecological relationship along the shores of Delaware Bay -- the linkage between migratory shorebirds and horseshoe crabs (*Limulus polyphemus*). Each spring, thousands of shorebirds, on their return flight from over-wintering areas in South America to breeding grounds in the Arctic, stop over along the Delaware Bay to feed on the eggs of horseshoe crabs. Decimated by the energy demands of their flight, the protein rich eggs enable the birds to rapidly gain the weight necessary to complete the migration. The horseshoe crabs, following their own biological imperatives to spawn, are on the beaches at the exact time the birds arrive.

Both populations in this ecological partnership are sustained because of the "superabundance" of eggs laid by the horseshoe crabs. Into this long-standing calculus comes a growing seafood market demand for conch and eel -- for which the preferred bait is horseshoe crabs. Also, the biomedical applications of lysate from horseshoe crab blood -- which serves as one of the most effective indicators of bacterial contamination of medical equipment -- are expanding rapidly. These twin pressures created a blitz on horseshoe crab harvesting along the Atlantic coast in the late 1980's and early 1990's, which was for all practical purposes unregulated. The pressure has by all accounts reduced the observable horseshoe crab population by 50% since 1990. It was not long before scientists and local conservation organizations, including the Littoral Society, began to take notice of dropping numbers of shorebirds in annual surveys, and lower "take off weights" reflecting decreased weight gains at the end of the birds' stay on Delaware Bay. The population declines have raised the question of the necessity of conferring endangered status for at least one species of Delaware Bay shorebird. Clearly, none of this was expected or anticipated.

Despite centuries of study by a variety of scientific disciplines, the way the ocean "works," and particularly the ecology of its living inhabitants and their habitats, remains in many areas largely unknown. Hence, the Society's pursuit of the study of the marine environment, and our efforts to work this knowledge into the various processes, agencies and forums where decisions affecting the coast and ocean are being made. Each year of tagging records, each field observation, each new study or discovery informs us. Perhaps it merely reminds us of what remains unknown. In either instance, the work of Littoral Society members discussed in this issue of the Underwater Naturalist better prepares us to address "the ocean's easy disregard."

- Tim Dillingham
Executive Director

The logo features a stylized open book with the letters 'B' and 'R' on the pages, followed by the text 'Book Reviews' in a serif font.

Book Reviews

CELEBRATION OF THE WORLD'S BARRIER ISLANDS

By Orrin Pilkey, batiks by Mary Edna Fraser

Columbia University Press, New York
400 p. \$39.95 (cloth).

This is a big, beautiful book that will serve well if it is read and looked at by engineers, beach lovers, geologists, surf fishermen, coastal mayors, shore developers and shorefront home buyers, the Corps of Engineers, the chairman of the House Appropriations Committee, and the head of the Federal Emergency Management Agency. And it should be must reading for barrier island residents and government officials all over the world. It includes the exquisite batiks of Mary Edna Fraser, renderings in silk and dye of barrier islands that she has studied from photographs, hikes, and, most notably, from the perspective of "flying in my grandfather's 1946 415C Ercoupe at about 85 miles an hour, the cockpit open, wind in my face." The book is filled with her work and with photos, current and historic, from the ground and the air, and is, indeed, a celebration of barrier islands.

It is also a lesson in geology (in easy-to-understand language), in waves, tides, and currents, in river flows, and in coastal climate.

Throughout the book, Pilkey describes man's understandable but most often foolhardy attempts to force barrier islands to stay in one place, a tactic that flies in the face of nature which needs barrier islands to move to survive. The book is also evidence that Pilkey has traveled the world studying barrier islands. There are examples from the Arctic, Asia, the Indian Ocean, and South America; some 2200 all told, everywhere except the Antarctic, and

the reader gets the feeling that Pilkey has walked most of them, scuffling sand, pitching rocks, and shaking his head at overdeveloped shorefronts. Pilkey has written a number of good books about the coast from his littered office at Duke University, including "The Beaches Are Moving" and "The Corps and the Shore." His writing continues to be clear and forceful, and Fraser's aerial photographs and batiks and the photographs of others wonderfully illustrate the book's message: barrier islands deserve to be celebrated; they also need to be understood.

MARINE LIFE OF THE NORTH ATLANTIC

By Andrew J. Martinez

Aqua Quest, Locust Valley, NY
255 p. \$30.00 (paper).

This is the third edition of Martinez's excellent guide to the underwater from Canada to New England with about 80% of the species covered occurring down through New York and New Jersey. First published in 1994, he has brought it up to date with more wonderful photographs and descriptions.

It's the photos that make the book, for here are great pictures of the creatures of North Atlantic waters as they actually appear to the diver. He goes from algae to winter flounder with one or several underwater photos and good descriptions -- plants, invertebrates, and fish. One can only imagine how many hours of diving it took to produce such a panoply of the real things in their natural surroundings.

This is a valuable book for the fishermen, diver, or littoral naturalist.

SEASHORE FOR SALE

Fletcher Selkirk, the Society's deputy comptroller, has been approached by a stockbroker with a hot tip to buy shares of Seashore Overdevelopment Corporation, stock symbol SOC on the American Stock Exchange. Selkirk performed his due diligence by asking for a prospectus, which he received a few days later along with the company's four-color brochure. Here are some hot selections from the sales pitch:

Welcome to The Seashore Overdevelopment Corporation, SOC for short (remember our slogan: We SOCK it to the shore). Might we interest you in one of the following:

SEAGULLE VIEWE -- A community designed by Ralph Lauren on the edge of Farewell Bay. Here are 27 of the most exquisite summer homes you can imagine. Perched on a cliff overlooking the water, these 4500-6700-square-foot semi-castles on 1/8-acre mini-estates come equipped with wet bars, damp bars, and dry bars. The great room overlooks an Olympic-sized swimming pool so you don't need to mix with the public on the beach below. Fully pebbled lawn is carefree and varmint free.

ATLANTICE BEACHE-- Right on the sand with scrumptious ocean views. The dunes have been landscaped (bulldozed flat) to provide an unlimited horizon. This is the only beach development we know of where the palatial homes have garage doors wide enough to HH&HH (Handle His and Her Hummers).

SANDYE POINTE -- Gracious living with a vengeance. If you select one of these beauties, you will be the envy of everyone in the office. A winding road cut through a former holly forest opens onto a vista of showy faux seaside farmettes, each with its own miniature barn (complete with copper weathervane!), four master suites on each of three floors, along with full tropical hardwood decks. With a cocktail in one hand and your significant other's in the other, this is as close as you can legally get to heaven and the high tide line.

STORME RIDGE -- The ultimate in seashore comfort. The decor is French provincial with a touch of Norwegian moderne -- Italian marble foyer leads from entrance areas to great room with 18-foot ceilings. Donald Trump's chief designer, Marc, did the interiors - mostly maroon and gold, with spectacular floor to ceiling mirrors. Fully covered by federal flood insurance.

SURFE TOWNE -- A totally gated exclusive community with a walled-in private ocean beach, barbed wire fencing at the surf's edge; offshore guarded by the Village's private security force on jetskis. Hungry, combat trained Rhodesian ridgebacks patrol the perimeter. You don't know what relax means till you stretch out on a deckchair at Surfe Towne!!

HARBORE DOCKE -- Lagoon community on 300 acres of filled former salt marsh. Fully bulkheaded. Step directly from your elegant sprawling 16-room English Tudor manse into your boat. Be underway in a flash. The nearby waters are devoid of speed limits, no-wake zones, and pesky marine life -- 20-minute boat ride to the famous Striped Basse Inne!

GULFE GOLFE RESORTE -- Two 18-hole championship golf courses nestled among 250 five-acre country estates. This seaside location lends itself to luxurious comfort and par smashing golf. Drop your three-wood and come for a visit and you'll never leave. The entire development is pest free. If you see a mosquito or greenhead fly, toad or frog, we'll take 10% off the price of the house!

Want more info? Check our website: coastalsprawl@abode.SOC\ptbarnum

D. W. Bennett

GUIDELINES FOR SUBMISSION

UNDERWATER NATURALIST is the Society's journal. We encourage members to submit articles, pictures, observations, comments, compliments or criticisms. Please follow these guidelines.

SUBJECT MATTER: Feature articles run 1,500-3,500 words (4-10 double-spaced, typed pages); please refer to back issues for guidance. For **Field Notes and Coast Issues**, submit no more than three pages of direct observations of interesting natural history found while walking, diving, or fishing in a coastal area. Topics can be of current interest, such as red tide in the Carolinas, whale deaths in New England, or mangrove preservation in the south; you can also submit a number of short observations or notes regarding a particular area. **Letters to the Editor** expressing thoughts on the magazine and its contents or general food for thought are especially appreciated.

ART WORK: For illustrations, black and white prints are preferred, but clear color slides or color prints with good contrast, drawings, maps and charts will also be considered. For Cover Photos, we need clear, sharp 35mm color slides or color

prints, either horizontal or vertical, of littoral subjects above or below the water. Horizontals can wrap around from front to back. Action is not necessary. (Note: Unless otherwise requested, we keep all accepted art work until it is published).

HOW TO SUBMIT: Typed, double-spaced manuscripts, please. If possible, please send a disk with your manuscript. Use common, not Latin, species names. We do not carry footnotes; incorporate sources in your article. We edit for clarity using Strunk and White's Elements of Style as our guide and favor clear wording over specialized terminology. Send your work with a stamped, self-addressed envelope; we will acknowledge its receipt.

We do not pay for articles or illustrations, but we do send five authors' copies when published. Thank you for your interest. We look forward to receiving your submission.

_____ Yes, I want to be a member of the American Littoral Society.

_____ I am currently a member and here are my renewal dues.

Enclosed is my check for \$_____. With these annual membership dues I will receive the *Coastal Reporter* newsletter, the *Underwater Naturalist* journal, field trip and event information, tagging privileges, and any local chapter newsletters and information.

_____ Individual/ Family \$25

_____ Senior \$15

_____ Student \$15

_____ Club/ Library \$30

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_____ Supporting \$100

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