



OUTER CAPE ENVIRONMENTAL AWARENESS NEWSLETTER

This e-newsletter was created by Safe Harbor to support our goal of creating collaborative partnerships between Outer Cape towns, individuals and organizations that share similar environmental challenges. Collaborative efforts protect financial as well as natural resources. Gordon Peabody, Editor.

Safe Harbor's 2007 Special Recognition Award

Rachael Sevanich has received Safe Harbor's 2007 Special Recognition Award. Rachael took responsibility for site management on Safe Harbor's coastal dune reconstruction and habitat restoration project last winter on the Outer Cape.

Working in winter conditions with sea ice piling up on the Bayside beach, and the nor' west wind blasting through a house sized blow out we were trying to repair, Rachael stayed focused on our priority of resource area restoration. See the Images Page on our web site for photos.



HOUSEHOLD HAZARDOUS PRODUCTS COLLECTION Provincetown Transfer Station on October 6 and Harwich Transfer Station on October 13

Ground Water Protection: liquids or powders with labels marked "Danger, Poison, Warning or Caution" mean we shouldn't drink them. When they get spilled or poured on the ground, they go into our drinking water. The **Outer Cape's last 2007 hazardous collections** will be at Provincetown Transfer Station on Race Point Road, from **9 AM to noon** on Saturday, October 6. For Brewster, Harwich, and Chatham it will be on Saturday, October 13, from **9 AM to noon** at the Harwich Transfer Station on Queen Anne Road.

COASTAL CONSTRUCTION WORKSHOP

Hosted by Safe Harbor

On **October 30th, 2007, from 10 AM until 2 PM**, Safe Harbor will be hosting an innovative, **interdisciplinary workshop on Coastal Construction**, at the Cape Cod National Seashore's Salt Pond Visitor's Center in Eastham. We have gathered the different components of coastal construction under the same roof, so to speak.

There will be presentations on: Coastal Geology (the coastal process and sea level rise); Engineering

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COASTAL CONSTRUCTION WORKSHOP (Continued)

(wind loading considerations, critical design principles); Architecture (designing for new building codes, alternative materials); F.E.M.A. (A-Zone and V-Zone definitions, restrictions and examples of failures); Environmental Permitting (M.E.S.A., Ch. 91, Wetlands Protection Act); Construction Techniques (innovative solutions and unique problems); and Alternative Septic Systems.

This free workshop will include a working lunch. Sandwiches can be ordered at check-in time. Pre registration is required because space is limited.

The workshop is sponsored by Safe Harbor, a collaborative of environmental professionals working with education, permitting, conflict resolution, and the development of innovative, low impact techniques for environmental management. Safe Harbor believes in protecting our coastal resources through education.

For registration or more information, contact Talilla Schuster, workshop coordinator: talillas@yahoo.com or (508) 246-7150. Additional information is available on our web site under Seminars.



William Souza is Captain of the lobster boat **Raider III**. He recently began finding new types of creatures in some of his traps along the backshore of the Outer Cape. OCEAN staff delivered samples shown here, as well as others, to Cape Cod National Seashore scientist Evan Gwilliam.

As we go to press with this issue, the dime sized, translucent fish, with a prominent dorsal spine, still eludes identification.

Perhaps more important to us than what these species are or where they may have come from is “Why are they here?” and “Why are they here now?” The orange tunicates, named for the tunic like cladding of objects it attaches to, are expected, because they have moved up from the south with warming temperatures. Late summer Gulf Stream eddies also often account for the presence of southern species.

We have yet to understand why Toad Crabs and Smooth Starfish from cold water Bay of Fundy and Gulf of Saint Lawrence ecosystems, 200–500 miles north of us, have begun showing up here. There are no easy answers in marine ecology. OCEAN has contacted backshore lobstermen from Chatham to Provincetown, asking for information on unusual species they are finding. OCEAN will track updates for you.





Orange Tunicates



Toad Crabs



Smooth Starfish



Unidentified Translucent Fish

Please share these photographs with backshore fishermen. We are interested in collecting reports on sightings and captures of these creatures (other than the orange tunicates) along the outer shore of Cape Cod. Email: gordonsafeharbor@yahoo.com.