

Florida Seaport Environmental Management Committee (SEMC)



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- ✦ Created by Florida Statute 311.105
- ✦ Under direction of the Florida Seaport Transportation and Economic Development Council
- ✦ Provides a forum for discussion about
 - ✦ environmental issues relating to dredging;
 - ✦ environmental mitigation;
 - ✦ air and water quality permitting;
 - ✦ and the maintenance of navigation channels, port harbors, turning basins, harbor berths, and associated facilities.

Florida Seaports



Environmental Stewardship Initiative



- ✦ Florida's 15 seaports' initiative to protect natural resources through programs for clean air and water, fish and wildlife habitat, recycling, energy and fuel efficiency, and emergency preparedness
- ✦ Promotes stories of environmental success
- ✦ Partners with Green Marine, Florida Ocean Alliance and Florida Recycling Partnership

Environmental Stewardship Initiative

*Florida seaports play an important economic role,
but did you know that seaports also
have an important environmental mission?*

*Seaports are closely connected to waters and coastal ecosystems,
and Florida's seaports have a responsibility
to protect these important resources.*



Success Stories from Florida Ports



- ❖ LNG at JAXPORT
- ❖ Port Everglades 2015 Baseline Air Emissions Inventory
- ❖ Port of Pensacola's Warehouse #1 recognized as a Bird-Friendly Rooftop by Audubon Florida
- ❖ "Solar Trees" at Port Canaveral
- ❖ Many more success stories listed at: <http://flaports.org/environment/projects/>

Environmental Metrics

FLORIDA PORTS RECYCLE ...



scrap steel
equivalent to
500,000 cars
since 2014



4,500 tons of
plastic, cardboard,
and aluminum
per year



800,000 lbs
of cooking oil per
year, converted
into biofuels

Cruise lines recycle
more waste per person than the
average person on shore
recycles each day

60%



HEALTHY HABITATS

Florida ports have
created, preserved
or restored **more
than 1,300 acres** of
wetlands, estuarine
ecosystems, and
seagrass meadows



Florida ports host some
of the largest **migratory
bird nesting areas**
in the country,
recognized by the
Audubon Society



Florida ports boast
established **manatee
protection zones**,
designated by the
Florida Fish and Wildlife
Conservation Commission

CLEANER AIR

36%

decline in greenhouse gas
emissions from the
maritime transportation
sector since 1990



On-port sources reduce
airborne pollutants by
75 tons per year:
the equivalent of taking
2,000 cars off the road

FLORIDA
PORTS
COUNCIL

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DREDGING INNOVATION

by Jim JULIE GLEDON

NEW WETLANDS RESULT FROM PORTTORONTO'S COLLABORATION WITH OTHER STAKEHOLDERS

PortToronto has been putting its required dredging to use in creating Tommy Thompson Park, just minutes from Toronto's downtown area. The 500 hectares (1,233 acres) established to date have officially been designated as an environmentally significant area by the City of Toronto.

Approximately 40,000 cubic metres (about 52,300 cubic yards) of sediment build up annually where the Don River empties into the Keating Channel. "The build-up must be removed or there's a strong risk of flooding," explains Christopher Sawicki, PortToronto's vice president of Infrastructure, Planning and Environment.

INNOVATION DANS LE DOMAINE DU DRAGAGE

PORTTORONTO COLLABORE AU DÉVELOPPEMENT DE NOUVELLES ZONES HUMIDES

PortToronto a mis tout parti des opérations nécessaires de dragage afin de créer le parc Tommy Thompson, à quelques minutes du centre-ville de Toronto. D'ailleurs, la ville de Toronto a déjà désigné officiellement les quelque 500 hectares de terrain comme un endroit d'importance environnementale importante.

La rivière Don déverse annuellement environ 40 000 mètres cubes de sédiments à l'embouchure du canal Keating. « Il faut retirer ces accumulations, sinon on court de grands risques d'inondation », explique Christopher Sawicki, vice-président des services des infrastructures, de la planification et du développement à PortToronto.

DREDGING INNOVATION

PortToronto began to fill what's called the Leslie Street Spit with dredged sediment and debris in the 1960s. Once the initial confined disposal facility or cell was filled, PortToronto and the Toronto Region Conservation Authority (TRCA) partnered to convert the area into a seven-hectare (17-acre) coastal wetland. Cell 1 now provides habitat for common terns and other marsh birds, as well as small mammals, turtles and amphibians. "Populations of pine and widgee have also increased in the harbour," Sawicki adds.

A layer of clean fill was used to seal Cell 2 in December 2014 and PortToronto and TRCA began collaborating two years later to turn this newly formed land into a second nine-hectare (22-acre) wildlife habitat and green space for the recreational enjoyment of the neighbouring community.

There's a third cell that is expected to facilitate at least another 30 to 40 years of dredging storage. Once it's capped, a total of 250 to 300 hectares (about 1,710 to 1,916 acres) will become part of the park.

FLORIDA: WHERE YOUR SHIP COMES IN

Emission and fuel-use reduction, solar power, and recycling programs are just a few of the ongoing initiatives at Florida's seaports that not only preserve natural resources, but also make our ports even more cost-effective for shippers and cruise lines.

We are proud of our dedication to the environment and continue to support acres of nursery-grown mangroves, coral preservation programs and wildlife sanctuaries, to keep these treasures pristine for future generations.

When you think environmental success, think Florida first.

Port Canaveral | Port Everglades | Port of Fernandina | Port of Fort Pierce | JAXPORT
Port of Key West | Port Manatee | Port of Miami | Port of Palm Beach | Port Panama City
Port of Pensacola | Port of Port St. Joe | Port St. Pete | Port Tampa Bay

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