

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 **60%** 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

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DREDGING INNOVATION

by JIM JULIE GLEDON

NEW WETLANDS RESULT FROM PORTSTORONTO'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 in 2014 have effectively been designated as an environmentally significant area by the City of Toronto.

Approximately 40,000 cubic metres (about 52,300 cubic yards) of sediment built 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

PORTSTORONTO COLLABORE AU DÉVELOPPEMENT DE NOUVELLES ZONES HUMIDES

PortToronto a eu trois parts des opérations nécessaires de dragage afin de créer le parc Tommy Thompson, à quelques pas de la place du centre-ville de Toronto. D'ailleurs, la ville de Toronto a déjà désigné officiellement les quelque 500 hectares de terrain stratégiques jusqu'à présent comme zones environnementales importantes.

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 1970s. 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 pike and walleye have also increased in the harbor," Sawicki adds.

Populations of pike and walleye have increased in the harbor.

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 communities.

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 300 to 400 hectares (about 730 to 1006 acres) will become part of the park.



FLORIDA: WHERE YOUR SHIP COMES IN

Green

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.

FLORIDA PORTS COUNCIL

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Green Marine Magazine, Fall issue

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