

# Press Release

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## For Immediate Release

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### **A NEW WAY TO RENOURISH BROWARD'S BEACHES** *-Study focuses on turning recycled glass back into sand-*

Broward County is proud to announce the construction of the **BEACH GLASS RENOURISHMENT PROJECT** test plot. In an effort to combat beach erosion and find a more cost effective outlet for glass collected from its recycling programs, Broward County is conducting a study to use recycled glass mixed with natural beach sand to renourish the county's beaches.

The test plot, located on Hollywood Beach at Pierce Street and the Broadwalk, is a fenced-in area that contains mixtures of natural beach sand and finely crushed glass, which will provide data on how the exposed glass/sand mixture reacts to the elements (such as moisture and temperature).

The test plot, which will be in place through the end of April, is 10 ft. x 40 ft. with a depth of 3 ft. and contains 16 sections:

- Four sections consisting of 100 percent beach sand.
- Four sections consisting of a mix of 75 percent sand and 25 percent glass.
- Four sections consisting of 50 percent sand and 50 percent glass.
- Four sections consisting of 25 percent sand and 75 percent glass.

Using recycled glass mixed with sand in beach renourishment and erosion control projects can help address both the challenges of beach erosion and glass recycling. "Glass is made from sand and this material feels virtually the same as natural sand. Our studies have shown that finely crushed recycled glass and natural sand are geologically compatible," said Phil Bresee, Broward County's Recycling Program Manager.

The project is a cooperative venture between Broward County, the Broward County Resource Recovery System, the City of Hollywood, and the Florida Department of Environmental Protection.

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