

The Value of Broward County's Beaches



- Broward's beaches attract 7.2 millions visitors a year, who spend \$422 million annually in Broward County.
- Broward's beaches contribute \$548 million annually to Broward County's economy.
 - Broward's beaches create 17,700 full-time equivalent jobs in the County.
 - Broward's beaches add \$1.4 billion to County property values.
- Broward's beaches impact local government tax revenues by \$29 million annually.



Beach Renourishment Project (Segment III)



US Army Corps of Engineers



BOARD OF COUNTY COMMISSIONERS

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For more information,
visit www.broward.org/beachrenourishment
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Restoring South Broward's Beaches from Hallandale Beach to John U. Lloyd State Park



Broward County's Beach Renourishment Project (Segment III)

Restoring South Broward's Beaches from Hallandale Beach to John U. Lloyd State Park

In April of 2005, work begins on restoring 6.2 miles of Broward County's shoreline, from the Broward County line in Hallandale Beach to the John U. Lloyd State Recreation Area in Hollywood, just south of Port Everglades. The \$23.8 million undertaking, known as the

Beach Restoration

Broward County Segment III Shore Protection Project, will involve the placement of approximately 1.7 million cubic yards of sand on South Broward's eroded beaches. Hallandale Beach, Hollywood and Dania Beach shorelines will be impacted by the renourishment project, which has been in the planning stages for a number of years. The beach will be widened, depending on current width, up to 200 feet. The entire project should be complete by February of 2006. Work on the northern end of the project at John U. Lloyd State Park will not begin until November of 2005 because of the sea turtle nesting season. Three structures will be constructed at the northern end of the park to "lock-in" the sand along the southern shoreline. Barring unexpected weather or nautical conditions, the new beach should have a life span of at least ten years.

The project is the first beach restoration effort in Broward County in more than a decade. Great Lakes Dredge and Dock Company, based in Oak Brook, Illinois, is the prime contractor for the project. The company has restored more eroded recreational and commercial waterfronts in the United States than any other company in its field. The project is being sponsored and administered by the Broward County Board of County Commissioners, with funding from the U.S. Army Corps of Engineers, the State of Florida Department of Environmental Protection, Broward County and the municipalities Hallandale Beach, Hollywood and Dania Beach.

Once beach restoration begins in April, starting in Hallandale Beach and moving north, dredging and beach construction activities will proceed on a 24-hour basis, seven days a week, weather permitting. The sand for the restored beach will be obtained from what are known as "borrow areas," sections of the ocean floor off of the North Broward coast. The sand will be extracted by one or more ships, called "hopper dredges," which vacuum

When and How

the sand from the ocean floor and transport it to pumpout locations. The pumpout is a mooring offshore through which the dredge discharges sand to the beach through a submerged 30 inch diameter steel pipe. While a section of beach is being restored, a shore pipe will be present along the beach. Pedestrian and emergency vehicular access ramps will be provided over the shore pipe at 250-foot intervals and at all lifeguard stations. The shore pipe, which will move along with the project, could extend to approximately a mile in length.

While there will be some noise and construction activities as sections of the beach are restored, every effort is being made to keep inconveniences to a minimum. Vibrations in the vicinity of construction will be monitored and are expected to be minimal

Inconvenience

and should not impact any structures. About 500 feet of beach is closed at any one time due to construction, but the closure areas move along the beach quite rapidly as construction progresses. At most times during the dredging and discharge cycles, pedestrians will be prevented from close observation at the beach discharge locations. Flag personnel will direct beach users away from the discharge areas. Boaters, anglers and divers will be directed away from ocean areas involved in the project, including the "borrow areas" off the North Broward coast.

Environmental monitoring of every aspect of the project is being conducted by biologists and engineers from Broward County, Nova

Environmental Protection

Southeastern University and Coastal Planning and Engineering, Inc./Olsen Associates, Inc., a joint venture of coastal engineering consulting firms. The monitoring programs include the latest scientific and technological methodology, including regular coral reef and ocean floor investigations, sophisticated electronic vessel positioning and round-the-clock sea turtle nesting surveys.

After completion of Segment III in early 2006, the impact of the restored beach on marine resources will be studied over an 18-month period. A report will be prepared for the Florida Department of Environment Protection, which will

What's Next

forward its recommendations to the Governor and the Cabinet. If approved, Segment II of the beach restoration plan can proceed, which involves the restoration of beaches in Fort Lauderdale and adjacent communities to the north. It is projected that this phase of beach restoration will begin in late 2008

Questions?

Call the Beach Renourishment Hotline, Monday through Friday, 8:30 a.m. to 5 p.m., **954-831-4000**.

Additional and more detailed information is available online at www.broward.org/beachrenourishment The website contains information on the current schedule of operations, community meetings and the impact on activities in Hallandale Beach, Hollywood and Dania Beach.