

Appendix L

Public Comments

Integrated General Reevaluation Report
and
Supplemental Environmental Impact Statement

Brevard County, Florida
Hurricane and Storm Damage Reduction Project
Mid-Reach Segment



**Surfrider
Foundation.**

www.surfrider.org

Conservation • Activism • Research • Education

Po Box 372067
Satellite Beach, FL 32937
sebastianinlet@surfrider.org

March 5, 2010

Paul Stodola
Jacksonville District
Army Corps of Engineers
PO Box 4970
Jacksonville, FL 32232

Dear Mr. Stodola,

The Surfrider Foundation Sebastian Inlet Chapter, a non-profit grassroots organization dedicated to the protection and preservation of our world's oceans, waves and beaches, is writing to you regarding the proposed next steps for the Brevard County Mid Reach Dredge and Fill Project. The General Re-evaluation Report (GRR) on the Environmental Impact Statement (EIS) submitted to the public in October 2009 has left serious doubts on the unlikely success of the project. First, the local stakeholders have had almost no chance for input in this project and have the most to lose in economic and recreational benefits. Second, the project actually hurts the local and state economy, while destroying Federally protected Habitat of Particular Concern. Third, the mitigation offered is not kind-for-kind and may be ineffective at preventing the deaths of endangered species of fish, birds, worm reef, and sea turtles. And most importantly, the project is a colossal waste of taxpayer dollars and may even prove dangerous to human lives by neck injuries and/or drowning.

Stakeholders left out of process, and have the most to lose

Beginning in September of 2005, the Surfrider Foundation Sebastian Inlet Chapter was made aware that the ACOE wanted to initiate a 50-year project to bury the nearshore reef in the area of the Midreach. As a local environmental group made up of surfers, fishermen, divers, and beachgoers, we our members of the process taking place and asked them to attend meetings and send in comments. While attending the one public hearing at Satellite Beach High School, and listening to a 15 minute visual presentation by the ACOE and condo associations, we had only three minutes for public comment with no permission to present photos that would help explain our concerns and position. After the meeting, we were asked to attend two meetings with the Brevard County's Natural Resource Management (BNRM) office. At those meetings, we voiced our concerns about how the dredge and fill would damage the reefs and destroy natural habitat and surf breaks. In July 2006 the Chapter received an email of a copy of the DEP's letter to the County saying their project permit was denied.

Since that date, there has been no attempt to contact our group, nor the individuals present at the 2005 public hearing. We wrote our email and physical addresses down, and yet not one person was ever

asked to give input on the changes to the proposed dredge and fill project. (Appendix I – p. 685-686) As well known stakeholder, it was extremely disappointing that the organization was not well informed about the 'public workshop' on February 10th, 2010. Not one piece of correspondence was shared outside of the BNRM office. Our members have lived on, surfed and swam in that section of beach for decades, and we had no voice to give our opinions on the destructive effects of the project. Also, to our knowledge not one local fisherman or diver was interviewed to ask for his/her input. We are the taxpayers that have the most to lose - our quality of life, our public beach, our shared coastal ecosystem.

At the public 'workshop' on February 10th at the Radisson Hotel, not one stakeholder was allowed to publically express their opinion to the entire group. Instead we were forced to shout our questions in small groups, where we could not even hear the responses given. The ACOE ran out of comment cards, and the room was nearly empty ten minutes after the ACOE's 15 minute presentation. The idea that verbal comments heard by the ACOE would be received as public input was a farce. Not one engineer had a notepad to record comments and there was no video and audio recording. Also, six days before the workshop Greg Gordon emailed Paul Stodola of the ACOE, asking for a copy of the presentation through a Freedom of Information Act request, and was denied. At the workshop I was told that the presentation wasn't prepared more than 24 hours before the workshop. However there were professionally printed display boards and hundreds of copies made of the same presentation Greg requested.

The project hurts the local economy and destroys natural habitat

The ACOE used an economic model to determine the cost benefit ratio of this project. However, the formula is severely flawed and does not even take into account the effects on the local economy. It does not include the beach time lost for the months that the dredge and fill project take project, nor the continual maintenance of the project. Then it projects recreational benefits based on the area of sand where people can sit on the beach. That assumption is flawed since there is limited parking in Satellite Beach and so there is a maximum capacity reached, not a step increase as shown in the ACOE charts. The other estimate of benefits is the amount of damages avoided to coastal structures by placing the sand on the beach. The values placed on structures are from 2008, and since then the value has dropped in some cases as much as 20%. And after studying 33 years of data, it was shown that the beach is eroding only 2.4 inches per year, and during many periods accreted sand. From the GRR report Appendix p. 15:

"Over the project as an average the MHW line advanced an average of 0.3 feet per year, 1972-1986; retreated 1.0 feet per year, 1986-1997; advanced 1.6 feet per year, 1997-2002; and receded 2.3 feet per year, 2002-2005. Despite the fairly large fluctuation in shoreline position in the short-term, the MHWL was relatively stable at - 0.2 feet per year, 1972-2005."

And from the GRR report Appendix p. 26:

"These data suggest that the region experiences temporally and spatially variable volume losses, due to isolated storm events or abnormally severe storm seasons, but that these episodic losses are offset by recovery as the beach regains an equilibrium condition. The relatively moderate long-term volume losses in the mid reach suggest that there are background erosional forces that are independent of the large storms that impact the area."

Surprisingly, the report states that if the beach were to continue to erode and more hardbottom exposed, it may lead to equilibrium where erosion stops.

The point is that the beach berm is okay, but it's the dune that is eroding and that will eventually lead to damages of coastal structures. The ironic part is that it is the coastal structures that are causing the dune erosion in the first place!

From the GRR report Appendix p.15:

"The mild but consistent recession of the shoreline appears to have 'pinched' the dune between the active beach system and upland development; i.e. there is no sand source to replenish the dune from the landward side to replace the volume lost on the seaward side as waves attack the dune during storms. The dune system is not able to migrate landward as the rest of the beach recedes due to the presence of development and infrastructure; thus, the dune steadily loses volume. This apparent lack of a dune-rebuilding mechanism results in long term erosion of the bluff that is significantly higher than the MHW shoreline erosion rate. Many locations along the project area have little or no dune/bluff left to provide protection during storms."

Meanwhile there were no studies done on the economic benefits of surfing and/or near shore fishing. While the ACOE is trying to make sure that the project has a maximum economic benefit, its destroying fish habitat and surf breaks that will reduce the benefit of the beach. Here is a partial list of Surf Shops and surfboard makers located in central Brevard County. Each shop has employees that contribute to the local economy and customers that surf the reefs that would be buried by the ACOE project:

Cape Surf, A1A Surf Shop, Ron Jons Surf Shop, Cocoa Beach Surf Company, Cocoa Beach Surf and Skate, Quiet Flight Surf Shop, Bilt Surf Shop, Ocean Sports World, Neilson Surf Shop, MTB (two stores in Satellite and IHB), Balsa Bills, Spectrum Surf Shop, Catalyst Surf Shop, Surf Gallery, and Longboard House. Surfboard shapers in Brevard include Bill Johnson, Rich Price, Tom Neilson, Ricky Carroll, Bill Yerkes, Claude Codgen, Chris Birch, Bruce Ragan, Matt Kechele, Brian Tudor, Greg Loehr, Bill Eberwine, Richie Buell, and George Robinson. Some of these shapers and businesses have been here for over 40 years and all make their living partly from the reefs that are surfed during every swell. Three of the best surfers in the world came from Brevard County, Kelly Slater, and CJ Hobgood and Damien Hobgood, and they learned to surf reef breaks in Satellite and Indian Harbor Beach. Plus dozens of others from central Brevard have made careers from surfing professionally. And hundreds of kids compete in locally organized contests every month on the beaches and reefs that the ACOE wants to destroy.

One recent survey conducted in 2009 concluded that surfers contribute \$21 million annually to the economy. And not a penny was factored into the cost benefit analysis by the ACOE. And the economic benefits that come from residents and tourists who come to fish near the reefs also have not been factored in. And finally, the costs associated with the project do not factor in the increased cost of finding beach compatible sand, nor increased gas costs, nor increased costs in seafood prices due to lost fish habitat.

Even though the GRR is 270 pages and the Appendix is over 1000 pages, there is not any proof that the juvenile fish that thrive in the nearshore reef habitat would survive the dredge and fill process or the migration to the mitigation rocks placed 1000 feet offshore. What is a glaring omission is that the

ACOE did not even use the term 'reef' in any of its displays in the recent public workshop. But it is a reef, from page 62 of the GRR:

"Despite this physically demanding environment, several sessile organisms are well adapted to the prevailing conditions and often cover high portions of the exposed rock. One such organism is the sabellarid polychaete *Phragmatopoma lapidosa*, which forms large gregarious colonies commonly referred to as wormreefs (Kirtley and Tanner, 1968; McCarthy., 2001). The wormreef colonies are composed of sand grains cemented together to form rugose structures that add relief and structural complexity to existing natural and artificial hard bottom. ***The growth of wormreef is dependent on a combination of available hard substrate, wave energy, sediment availability, and larval supply (McCarthy et al., 2003). Wormreefs south of Cape Canaveral have been designated as EFH by the SAFMC (1998).*** In addition to fish species, wormreef supports associated assemblages of organisms such as decapod crustaceans (Gore et al., 1978). Soft bottom species such as kingfish and sand drum feed extensively on infaunal invertebrates. In the surf zone, mole crab (*Emerita talpoida*) and beach clam (*Donax* sp.) are key invertebrate prey species."

The Florida Fish and Wildlife Service also share the concern about other endangered species threatened by this project. "The currently proposed project may affect the threatened loggerhead (*Caretta caretta*), the endangered green (*Chelonia mydas*), the endangered leatherback (*Dermochelys coriacea*), the endangered hawksbill (*Eretmochelys imbricata*) and the endangered Kemp's ridley (*Lepidochelys kempii*) sea turtles. It may also interrupt the wintering piping plover (*Charadrius melodus*) and nesting shorebirds including the Wilson's plover (*Charadrius wilsonia*). The sand overburdens will bury numerous species of burrowing invertebrates that support the beach structure and ecological function. The project will cause the mortality, through burial, of many nearshore sessile and some motile aquatic species. The habitat and function provided by the buried nearshore hard bottom will be lost. The total direct impacts which include vertical relief, underside of ledges and interstitial spaces is not known. The future maintenance of this beach will require routine sand nourishment and repeated burials of this area preclude long term recovery."

And in the GRR report page 177: "Burial of hard bottom habitat results in the burial of attached macroalgae, the predominant food resource for juvenile green turtles in the Mid-Reach. Hard bottom acreage and relief will be reduced in the intertidal areas of Reaches 1 through 5 (Reaches 1 through 5 in NED alternative). Additionally this burial removes the shelter once provided by the hard bottom outcrops."

The mitigation reef is unproven and may not be effective

So in response to this destruction of the 7.8 miles of our coastline including an estimated 3.0 acres of nearshore reef, that support hundreds of species and also provide recreation in the form of surfing and near shore fishing, the ACOE proposes an offshore mitigation of 4.5 acres of limestone and coquina rock to be dropped in 16 feet of water 1000 feet offshore. When asked if the reef was going to go in before the dredge and fill project or after, the engineers interviewed had no answer. So how effective will this mitigation rock patch be?

First, the biologists interviewed at the public workshop have no conclusions and cannot guarantee that the juvenile fish that use the nearshore reef as protection and older fish use as a hatchery, designated Essential Fish Habitat by the South Atlantic Fisheries Management Council (SAFMC), would survive either the dredge and fill process, or the movement to the mitigation rock patch. They cannot prove nor guarantee that the juvenile sea turtles, a Federally listed endangered species, would survive during the

dredge and fill process, and cannot determine if smaller turtles would survive farther offshore. The studies they did concluded that smaller juvenile turtles may not survive due to less protection from larger predators. There was no explanation on how the loss of food sources (the sargassum mats where turtles feed off the insects) would affect their survival.

There have been no studies completed to determine if the burial of the crabs, sand fleas, and other invertebrates would affect the migration of birds that commonly land on the near shore reef and beaches to find food. How can a patch of rocks placed 1000 feet offshore be a mitigation habitat for birds that feed off the invertebrates that live on the near shore reef that is exposed at low tides? How do the invertebrates ever recover when they are buried on average every three years by repeat burials?

Besides the turtles, fish, birds, and invertebrates, the dredge and fill project will bury 3 acres of reef. This reef grows and thrives in the near shore, where the waves break (see above for description). There are no conclusive long-term studies showing how well the worm reef will grow on the limestone in deep water with no wave action. The study included in the GRR - APPENDIX SEIS-D stated that there was short-term growth, but over the long term, the test site was buried by sedimentation, which led to a very low count of worm reef growth (< 5%). It actually summarized the worms needed turbidity in order to help build colonies.

And from the recreational standpoint, the mitigation rocks do NOTHING to replace the loss of the recreational benefits of the nearshore reef. Here is a partial list of surf breaks lost: Hightower, RC's, Grant Ave., Park Ave., Buccaneers, Millennium, Bicentennial, Canova, Radisson, Sea Park, Radisson, DeSoto, Peglegs, Balsa Bills, Mark Realty, Pet Den, Pelican Park, and Howard Futch Paradise Beach Park. And from a fishing standpoint, not only would the dredged material bury and kill off the sand fleas used for bait for at least 1-2 years (if they recover at all), the nearshore reef that the fish use as a hatchery would be lost, and the mitigation rocks are too far out to cast to.

The project is a waste of money, may not be effective, and may even prove dangerous to human lives

The most important reason why this project should not be allowed to move forward is due to the lack of studies to determine the effectiveness of the project. There were no studies completed to determine the erosion from outfall pipes, nor effects on the outfall pipes on the dredged sand to be put over them. There was no application of results from previous sand movement on North or South reaches when determining movement of sand to be dredged and placed on the Midreach. There were no studies completed to determine the amount of time that the fill takes to reach its optimal profile. The model used to determine how the sand would move littorally is also flawed. From the lawsuit filed in the Town of Palm Beach against the Reach 8 Project, Judge Meale concluded on page 127: "CPEs reliance on GENESIS was an embarrassment, and its predicted limits of longshore transport were worthless. Frankly, the main effect of GENESIS in this case is to cast doubt on CPEs other assurances concerning the performance of this project." This same software was used to gauge the effect of longshore transport of sand for the Midreach project.

At a Surfrider Chapter meeting held in early February 2010, several participants voiced their concern that the dredge and fill project not only destroyed the surf breaks, but also created life threatening long shore currents. The toe of the dredged beach in the North Reach was altered after Hurricanes Frances and Jeanne in 2005, and created a drop off at lower tides, where in a span of ten feet the depth changed from 1 foot to 7 feet deep. This led to an increase in lifeguard rescues and unfortunate drownings. The

response from the ACOE was, "Where are the studies to prove this?" My question to them is – "Shouldn't the ACOE do the study *before the project starts* to predict how the bottom contour changes after strong storms in order to prevent drownings?" Why do they take this risk when human lives are at stake, not to mention the loss of tourism revenue once visitors hear about someone who drowned?

The only part of the proposal that makes any sense from an economic or environmental standpoint is the beach fill to be placed on the Midreach. Not only does it help support the dune recovery, but it causes the least damage to the nearshore reef, does not affect the surfing or fishing conditions, and is the least expensive while providing the ultimate goal of protecting coastal structures.

Otherwise, the ACOE is asking the taxpayers to spend \$150 million on sand that is expected to wash right back into to the ocean. They want to initially dredge and place 573,000 cubic yards of sand along 7.8 miles of coastline. Meanwhile, they have no conclusive answers on how long that sand will stay in one place, nor do they know if they will have funding in the future for emergency reconstruction of lost beach due to hurricanes and storms. Since the beginning, this project has not been allowed to move forward because everyone knew it would bury reef and destroy federally protected sea turtle, fish, and bird habitat. The ACOE claims that only 3 acres of reef and rock hardbottom would be destroyed, but have no evidence to prove that more would not be covered, especially after any significant storm event. So why waste taxpayer dollars on a project that may not even be effective in protecting coastal structures and destroys the only reef in Brevard County? Please make the right decision and halt this project until studies prove that the sand won't bury more reef and destroy even more of the coastal ecosystem, that the mitigation will be effective, and that this project does not endanger people's lives.

Please confirm that you received this letter, it has been included in the public record, and our wish to have a true public hearing.

Sincerely,

Sebastian Inlet Chapter Executive Committee



US Army Corps
of Engineers
Jacksonville District

Comments/ Questions

See Privacy Act Statement on reverse side

EVENT: Brevard County Mid-Reach DATE: Feb. 10, 2010

CHECK ONE: OFFICIAL COMMENT (Comment WILL be included in the final report) GENERAL QUESTION (Comment WILL NOT be included in the final report. Informational only.)

MAIL TO: U.S. Army Corps of Engineers, Jacksonville District
P.O. Box 4970, Jacksonville, FL 32232-0019
ATTN: Eddie Douglass

OR EMAIL TO: Brevard.Mid-Reach.Comments@usace.army.mil

COMMENTS/QUESTIONS I LIVE IN AN
OCEANFRONT CONDO. OVER THE
YEARS THERE HAS BEEN
CONSIDERABLE BEACH EROSION.
WHERE WE ONCE HAD BROAD
BEACHES, WE NOW HAVE VERY
NARROW BEACHES. IN SPITE OF
BEACH REOURNISHMENT EFFORTS
WE CONTINUE TO LOSE BEACHFRONT.
IT IS PARTICULARLY WORRISOME
WHERE WE HAVE CHILDREN. BUT
THERE IS SOME LOSS OF BEACH
WITH OTHER LESSEK STRONG A
STRONG BEACHFRONT IS IMPORTANT
NOT ONLY TO BEACHFRONT RESIDENTS
BUT ALSO TO THE LOCAL COMMUNITY,
THE STATE AND TO THE NATION. THE
LOCAL COMMUNITIES RELY HEAVILY
ON TOURISM WHICH IS ATTRIBUTED
TO RECREATION OPPORTUNITIES
PROVIDED BY THE BEACHES. EVERYONE
WILL BENEFIT FROM YOUR EFFORTS
TO PROVIDE A LONG TERM SOLUTION
TO THIS BEACH EROSION PROBLEM.

SPENCER A. ROWAN
NAME AND TITLE (PLEASE PRINT)

2065 HIGHWAY 1A, UNIT 1504
MAILING ADDRESS

INDIAN HARBOR BEACH FL 32937
CITY STATE ZIP CODE

321-774-4423
PHONE NUMBER

SARIB@CFL-RR.COM
EMAIL ADDRESS

REPRESENTING (Check one)

- ELECTED OFFICIAL
- TRIBAL
- CONGRESSIONAL
- FEDERAL AGENCY
- STATE LEGISLATURE
- STATE AGENCY
- LOCAL GOVERNMENT
- ENVIRONMENTAL
- AGRICULTURE
- GROUP
- SELF
- OTHER

Do you wish to make a statement?

YES NO

Do you wish to have your name included on the mailing list for future information?

YES NO

THIS INFORMATION IS RELEASABLE UNDER THE FREEDOM OF INFORMATION ACT.

CESAD FORM 935, OCT 98

PRIVACY ACT STATEMENT

AUTHORITY: 42 USC 4321, 4331-4335

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CESAD FORM 935, OCT 98



US Army Corps of Engineers
Jacksonville District

Comments/ Questions

See Privacy Act Statement on reverse side

EVENT Brevard County Mid-Reach DATE Feb 10, 2010

RESPONSE OFFICIAL COMMENT GENERAL QUESTION
(Comments Will Be Forwarded to the Issuing Agency) (Comments Will NOT Be Forwarded to the Issuing Agency)

FROM U.S. Army Corps of Engineers, Jacksonville District
P.O. Box 4970, Jacksonville, FL 32232-0019
ATTN: Eddie Douglas

TO Brevard Mid-Reach Comments@usace.army.mil

COMMENTS/QUESTIONS

2-3 PM for
South Brevard
1/28/10

NAME AND TITLE (PLEASE PRINT)

MAILING ADDRESS

CITY

STATE

ZIP CODE

PHONE NUMBER

EMAIL ADDRESS

REPRESENTING (Check one)

ELECTED OFFICIAL

TRIBAL

CONGRESSIONAL

FEDERAL AGENCY

STATE LEGISLATURE

STATE AGENCY

LOCAL GOVERNMENT

ENVIRONMENTAL

AGRICULTURE

GROUP

SELF

OTHER

Do you wish to make a statement?

YES NO

Do you wish to have your name included on the mailing list for future information?

YES NO

THIS INFORMATION IS RELEASABLE UNDER THE FREEDOM OF INFORMATION ACT.

USACE FORM 105 (01/07)

PRIVACY ACT STATEMENT

AUTHORITY: 42 USC 4321, 4331-4335

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USACE FORM 105 (01/07)

Stodola, Paul E SAJ

From: Tedd [beachit7@gmail.com]
Sent: Friday, March 05, 2010 7:54 PM
To: Stodola, Paul E SAJ
Subject: NO!
Attachments: stampa_girl_line_en.gif

Leave the natural reef alone idiots!

FREE Animations for your email - by IncrediMail! Click Here!
<<http://www.incredimail.com/?id=606430&rui=104935243>>

Stodola, Paul E SAJ

From: mike@coilsurf.com
Sent: Wednesday, March 10, 2010 4:05 PM
To: Stodola, Paul E SAJ
Cc: jglisch@floridatoday.com; insight@orlandosentinel.com
Subject: mid reach comments

To whom it may concern, regarding the Brevard Mid-Reach beach "renourishment" project.

I am opposed to this project for many reasons,

Florida has a vehicle license plate that says, "Protect Our Reefs". Apparently, it should read "Protect Our Condos", as that is what this is all about; placing a higher value on structures (that are knowingly built in the most vulnerable location possible) than our natural beaches and in this case a reef that is a federally designated "Essential Fish Habitat". It is interesting to read through the Corp's literature on this project and note that this reef is ALWAYS referenced as "rocks", "rock outcroppings", or such; the word "reef" is carefully avoided. "Reef" is only applied to the artificial structure that is a feeble (and likely to fail) attempt to mitigate the damage this project will inflict on the natural REEF. This whole semantics game is laughably transparent, invented by the "Save Our Seashores" condo owners, and perpetuated by the ACE, Florida Today newspaper, et al.

I have lived around this reef for all of my adult life, since 1973. I have surfed on it, fished in it, and snorkeled around it thousands of times. I have marveled at the diversity of life it supports, every thing from Moray eels to stone crabs. I have swam over a ledge into a 6 foot deep hole and seen more species of fish than I could count, all stacked up in one spot. I have watched green turtles work their way along the reef, popping up for air right next to me as I sit on my surfboard. I have watched countless children, some now grown into adults, play in the tide pools of the reef, marveling at the life around them. Anglers have long known that this area offers some of the best surf fishing in the state, perhaps some of the best in the world. The reef is a treasure that makes our little stretch of coast unique, yet it's viewed by some as an annoyance. Hence the concerted effort to make it into "rocks", not "reef". A reef might have some value, "rocks" most certainly do not....

The Corps states in its own literature that the "goal" of the project is to "Reduce damages caused by erosion and coastal storms to shorefront structures along the Mid-Reach coastal area in Brevard County". The Corps also states in another report that the overdevelopment of the shoreline, placing structures IN the dune system, has jeopardized the beaches ability to naturally replenish themselves. The developers who build these structures know this, where is their responsibility?

It is also noted by the Corps that the nearshore reef stabilizes the beaches in the area. Our barrier island has a limestone structure with a veneer of sand.

The economic model used to justify this project is based on assumptions which are based on assumptions based on other assumptions. The \$10,435,600/year figure that represents the "annual storm damage reduction benefits" is the preponderance of the "benefits", although it's based on a 50 year projection of damages that MIGHT be incurred with this project in place versus a 50 year projection of damages of damages that MIGHT be incurred without the project. This involves assumptions regarding future development, real estate markets, the general economy, coastal zoning and planning, storm events, and on and on. Beach "renourishment" projects don't do anything to raise the level of the buildings or lower the sea level, which are the only certain ways to minimize damage from storm surge, These small-scale "renourishments" are only "bandaids" that will be gone in the first hours of a significant storm event. In other words, damage in a major storm will not be minimized by this project. Trying to predict a differential damage report on unknown future events and then annualizing it back to present day dollars to help produce a 2.9 to 1 cost/benefit ratio is not science, it's justification.

While the "benefits" of this project are both dubious and uncertain, the cost IS known and certain (if it comes in on budget). In the current budget environment of Federal, State, and Local governments, spending our tax dollars repeatedly so we can watch the ocean reclaim them defies logic. This doesn't have to be projected out 50 years or assume the magnitude of some future storm, these are dollars that are required from our CURRENT and future budgets. This is money we don't have. At the Federal level, they're all earmarks on legislative actions. At the state level, "beach renourishment" has been institutionalized by powerful lobbyists (they also work at the Federal level) for the dredge and coastal "engineering" companies. At the local level, our money that could be used for roads or schools or law enforcement is cannibalized because people who chose to buy or build structures on the edge of the ocean are unhappy with the behavior of the ocean. The county has gone as far as to dedicate tourist tax money, by law, to this folly. This tourist tax money could be used for other purposes. County commissioners can now hide behind this statute in defense of wasting tax dollars.

The consequences of overdeveloping shorelines have been known for decades. The "solution" of beach "renourishment" is destroying Florida's natural beaches, replacing the naturally occurring sand with poor substitutes. It does, however, create a nice flow of tax dollars into a lot of pockets. Some day we will realize that this policy has been a waste of tax dollars, ineffective, and an environmental nightmare.

In summary, I oppose this project because:

- 1) The ACE admits that it will have detrimental effects on a valuable and federally protected reef.
- 2) The models used to justify this project are flawed.
- 3) The cost of this project (and others) is indefensible in today's economic and budget climate.

Sincerely,

Mike Daniel

2140 N. Shannon Av.

Indialantic, FL 32903

321 431 6973

mike@coilsurf.com

Stodola, Paul E SAJ

From: Peter Stebbins [Peter.Stebbins@kaseya.com]
Sent: Monday, March 08, 2010 10:51 AM
To: Stodola, Paul E SAJ
Subject: Stop wasting my tax dollars on eroding beaches due to oceanfront condos and homes
Attachments: image001.png

Attention politicians,

Stop wasting my tax dollars on eroding beaches due to oceanfront condos and homes. You always make a big risk buying a home right on the water due to hurricanes, naturally eroding beaches and eroding beaches due to ruining the natural coastline building improper sea walls. Do not waste my tax dollars and ruin the natural reefs to save some rich homes and condos located poorly and built incorrectly.

I will inform every friend of mine via social media of this joke we call government wasted money.

All the best,

Peter Stebbins
Kaseya Account Manager
[cid:3347948763 38158992](#)

Stodola, Paul E SAJ

From: David Shedrow [DavidShedrow@cfl.rr.com]
Sent: Saturday, February 13, 2010 3:52 PM
To: Stodola, Paul E SAJ
Subject: Beach Restoration - Mid-Reach

Beach nourishment provides a host of economic or community benefits including :

- Increased storm protection benefits
- Increased recreational benefits
- Increased business and tax revenues
- Enhanced property values
- Increased property tax revenues
- Job creation
- Environmental benefits
- Aesthetic benefits

A study undertaken in Delaware evaluated the economic impacts of an ongoing five-year beach maintenance program (Jack Faucett Associates, March 1998). The study took as its baseline the existing maintained project condition and estimated the economic losses that would result should the State of Delaware cease placement of beach sand and permit the shoreline to return to its previously eroding condition (erosion rates ranging from two to four feet per year). The study concluded that, while the State of Delaware would save \$9 million dollars in beach nourishment costs over the five-year evaluation period, tourist related revenues would drop by more than \$30.2 million, resulting in 625 jobs lost in the beach area, reduced wages and salaries of \$11.5 million, profit reductions of \$1.6 million, and \$2.3 million in lost state and local revenues. It was also estimated that beach area properties would lose nearly \$43.3 million in value. Brevard County, Florida will incur similar losses without if the proposed legislation fails to pass.

All sea turtle species are currently listed as "endangered" by the United States Fish and Wildlife Service with the exception of the Loggerhead sea turtle which is listed as "threatened". Brevard County's beaches are the largest nesting site in the western hemisphere for loggerhead sea turtles, with over 20,000 nests per year. Approximately half of all green sea turtle nests in the United States are found along Brevard County's beaches. Leatherbacks lay the fewest of nests of the three species, but the number has increased in recent years. Two of the species found in Florida's waters can also be found in the Indian River Lagoon. Juvenile greens feed on the sea brass beds and macroalgae while juvenile loggerheads feed on crustaceans found in the shallow waters of the lagoon. The creation of a wide, sandy beach may enhance or create sea turtle nesting habitat, improve foraging and nesting habitat for shore birds, and create and/or protect habitat for shoreline vegetation. Passage of this legislation will help protect the "endangered" and "threatened" sea turtle species.

As you know, our beaches are our livelihoods and a major tax revenue source for the federal government. We cannot afford to allow our beaches to become unhealthy and unattractive places for tourists and residents to visit.

I believe this a worthwhile project and urge that you move forward with it as quickly as possible.

David Shedrow

2835 N. HWY. A1A Apt. 804

Indialantic, FL 32903

Stodola, Paul E SAJ

From: Mike Everett [321finance@gmail.com]
Sent: Tuesday, March 09, 2010 1:15 PM
To: Stodola, Paul E SAJ
Subject: Please reconsider the mid-reach project!
Attachments: Mikes 1.jpg

Hello ~

My name is Mike Everett and I am a Satellite Beach resident and frequent user of the beach known as Bucaneer Beach or "The Buc", located at Grant Avenue.

In the 8 years that I have lived here, I have noticed that the erosion is indeed getting worse, but that the efforts to halt it are extremely ineffective. I have seen a LOT of sand brought in from other areas at considerable time, inconvenience and expense, only to wash away after one or two storms!

I am against this project for two reasons:

- 1.) There has to be a better way! Sand naturally redistributes according to swells and currents, and for some reason it doesn't seem to want to stay here! A reef of some sort would be a much better solution, in my honest opinion.
- 2.) The rock reef that currently exists is a vital ecosystem to a lot of fish and sea turtles. I surf here regularly, and believe me! There is a LOT of marine life active in these waters. Additionally, and most importantly to me, is that the recreational activities such as surfing and fishing would be immediately and perhaps irreparably crushed by all of this dredging.

We've seen it all before - there is a bunch of activity, putting the new sand where it's supposed to be. One or two storms come in and wash it all away. It's pointless and senseless.

I would very much like to see the erosion halted, but I do feel very strongly that this is not the way! Thank you for your time.

Kindly,

--
Michael J. Everett
Professional Mortgage Financing
Morgan Financial

321.757.3570 tel.
321.757.9730 fax

<http://www.morganfinancial.net/StaffProfiles.aspx?ID=546813>
<<http://www.morganfinancial.net/StaffProfiles.aspx?ID=546813>>

Stodola, Paul E SAJ

From: John Mark Johnson [jmj32937a@gmail.com]
Sent: Tuesday, March 09, 2010 11:07 PM
To: Stodola, Paul E SAJ
Cc: ernest.brown@brevardcounty.us; posey.bill.web@flsenate.gov;
D1.Commissioner@brevardcounty.us; chuck.nelson@brevardcounty.us;
D3.Commissioner@brevardcounty.us; D4.Commissioner@brevardcounty.us;
D5.Commissioner@brevardcounty.us; john.tobia@myfloridahouse.gov
Subject: Brevard County, FL Mid-reach: Project Comments

To the Army Corps of Engineers and our elected officials,

Thank you for soliciting citizen input on this project.

To make a long story short, the project plan can and should be optimized and re-phased before approval and commencement;

IT SHOULD NOT BE APPROVED OR FUNDED IN ITS CURRENT FORM.

The main concern is that is actually puts at risk that which makes the mid-reach beaches most valuable. (Hint, it's not the condominiums!)

If continued at all, the project should begin with:

1) Build the mitigation reefs FIRST, and test their effectiveness over a period of 3-5 years, BEFORE destroying the natural near-shore reefs.

a) If the mitigation reefs do not succeed at attracting and supporting marine life, you will have discovered that before destroying natural the one that does.

b) The artificial, offshore, mitigation reefs may also help reduce beach/dune erosion. Although this is not their intent, building ONLY the mitigation reefs first means only one experimental variable affects the outcome, and conclusions from such an experiment will be indisputable.

c) If the artificial reef does prevent erosion, it will lessen the need to put expensive, rapidly-disappearing, non-native sand on the beach and over the turtle nesting areas.

2) If the artificial reefs do succeed in attracting/supporting endangered marine life but do not reduce erosion, then consider dune restoration ONLY as a next step.

a) DO NOT BURY the natural reefs yet. Dune-only restoration would include planting additional sea oats and other native vegetation, as well as adding sand. It has been discovered that much of the vegetation can be planted deeper into the dune sand than is commonly done, and deeper root systems contribute to stability of the dune.

b) Adding sand only to the dunes will allow several more years for the artificial/mitigation reef to be monitored; erring on the conservative side (financially as well as scientifically

and environmentally) before destroying the precious reef system and life/economy that depends on it is prudent.

3) CONSIDER BUYING UP THE OCEANFRONT PROPERTY BEFORE DESTROYING THE REEF.

3a) As an order of magnitude guess, 1000 oceanfront residences in this mid-reach area at \$300,000 each would represent \$300M in value. Purchasing the properties at that price would offer 100% assurance of protecting residents from property loss, whereas \$150M of pumped is a known large cost with a lesser probability of success and a high likelihood of needing eternal continuation (and spending).

3b) The structures could remain, and even remain owner-occupied, or could revert to municipal ownership and used for public recreational purposes as long as they remain safe, with the understanding that at some point they will likely be undermined, and the federal government will not contribute to reef destruction or fund further armoring efforts.

This would, in effect, be like a federal insurance policy that benefits the public at large, including (but not only) oceanfront residents. Continued occupation of the properties could preserve city/county tax revenues until the structures are undermined. Or, joint federal/municipal ownership (voluntary, not via eminent domain) could be undertaken in a recreational manner that generates revenues the cities/county can use to offset expected future revenue reductions and cleanup costs when the structures are finally undermined.

SUMMARY:

The overall environment (reef, marine life, fishing, and wave quality for surfing) is as important as (if not more important than) mere square footage of sand.

- The effects of the current plan are not well studied;

-- The ACOE track record of preserving fishing habitats and surfing wave quality is not a spectacular one;

-- The costs of undertaking the current proposal commit a lot of funds with little expectation of real benefit, when other more cost-effective and scientifically prudent alternatives exist.

The pure-tourism economic angle, based on square feet of sand available for sunbathing, does not accurately reflect the nature of beach usage in this area.

As documented in a letter to the ACOE by the Sebastian Inlet chapter of Surfrider Foundation (<http://www.surfrider.org/sebastianinlet/docs/dredge/ACOE-MidReach-comments-Surfrider.pdf>), cites a 2009 survey estimating that surfers contribute \$21M to the local economy, and this was not factored into the ACOE cost/benefit study.

Due to limited parking, limited beach access, and limited hotels, the mid-reach area is not a tourist destination like Cocoa Beach, Daytona Beach, or South Florida, and has no intention of becoming one (per the city comprehensive plans).

Tourism and large crowds are limited primarily to holiday weekends and stretches of summer when southeast seabreezes tend to restore the beach sand naturally for sunbathers.

The cold spring/winter months and fall hurricane season are prime times for surfing and fishing, and during those times, you're likely to find more surfers in the water and more fishermen than traditional sunbathers on the beach.

The reefs on these ENE-facing beaches magnify large swells sent this way from northeast storms during fall and winter, generating some of the best warm-water waves on US mainland, drawing surfers from all over the east coast, both for recreational events and nationally sanctioned competition.

Also, the City of Satellite Beach, to its credit, has recognized the combined potential threats of sea-level rise, unavoidable erosion, and catastrophic storm events. As a result, committees have begun considering long-term comprehensive plan options which will preserve the city's viability and livability even if these render the oceanfront itself unfit for permanent occupancy. While only in the "under study" phase, I am pleased to live in a conservatively-prudent, progressive-thinking city that views the situation realistically.

It is my opinion, belief, and recommendation as an engineer, 20-year resident of Satellite Beach, and 45-year resident of Brevard County who could work anywhere but has chosen to raise my family in this area because of its beaches, that the ACOE only proceed and the government only fund the cost-effective, environmentally-conscious, scientifically documentable steps outlined above.

Thank you very much for your consideration.

Mark Johnson
Satellite Beach, FL

Stodola, Paul E SAJ

From: Josh Murphree [murphreej@earthlink.net]
Sent: Thursday, March 18, 2010 4:46 AM
To: Stodola, Paul E SAJ
Subject: Former Indian Harbor Beach Resident Concerned about beach renourishment

I don't know if this letter will reach anyone in any form of power to make a decision on this matter, or even if it will be read. But I was informed on the forum of a local surfing website that I could send comments regarding the beach renourishment to this address. This matter is something that has affected me greatly, saddened, and frustrated me for many years. Let me give you some background, I grew up in Indian Harbor, my parents both grew up in Indian Harbor, etc. I moved to Hawaii about 3 years ago, for among other reasons, the place isn't what it used to be. I remember as a kid walking down to the end of the street every day across the dirt path through the dunes that led to the beach. When you got down there and looked around it was beautiful, nothing but dunes, relatively clean water, and a couple condos in the distance. I don't think a day had passed from when I was maybe 12 years old till I moved (at 27), other than when I was out of town, that I wasn't down there surfing, fishing, or whatever. I guarantee that I have spent more time on the mid-reach beaches than any of the people making decisions regarding the beach renourishment.

I went back to Florida last year to see my family and friends, the first thing I did when I got to town was drive up and check the waves at bicentennial park. I was pretty much disgusted with what I saw. The sand is gray mud trucked in from Cocoa, which has stained the water putrid brown, nothing but condos for miles, and I don't every remember red tide in the 27 years I lived there (other than an episode I want to say around thanksgiving 2002) but the stench was so bad I immediately got a headache. Its completely frustrating and demoralizing to see a place that you really love and care about steadily decline into a place you don't want to be anymore.

A couple questions. I'm a licensed structural engineer in Hawaii and Florida, and have taken many graduate courses in Ocean engineering and have a pretty good knowledge of coastal processes, beach renourishment, etc. What is the point in pumping sand on the beach? I still honestly don't understand. Every condominium built on the east side of the coastal construction line within the last (I don't know the exact number) 20? years is required by code to be designed on a pile supported system such that if all the sand is washed away beneath them the structure is still standing. period. What exactly are you trying to protect?? A few old dilapidated houses in Satellite? At what cost? Everybody involved in this project knows that beach renourishment is a never ending cycle (but I guess that gives you all job security, that and money is what this is all about anyways, right?). If sand is pumped on these reefs this will have many detrimental effects, we all know this, it kill many living creatures, and permenently relocate many others (people included, this is one reason I moved, probably most of your kids will too when there old enough). An artificial reef will never replace what mother nature put in the ocean on this little stretch of beach. The fishing wont be the same, the surf wont be the same, and again the beach will have gotten worse... Before it's too late, Please don't make this mistake.

I hope this letter is read, and whoever reads it, can pass along the message to a person who has the authority to allow this atrocity to proceed that there are actually people how care about this place, and the environment, and they are the people who use the beach everyday.. Not the 60 something retired couple from New York who bought a cheap condo on the beach (in the hopes of flipping it in a couple years for twice what they paid for it), who want to see more sand or are worried about.. god knows what. I know I speak for many other people. Please don't allow this to happen...

Aloha,

Josh Murphree

Stodola, Paul E SAJ

From: ike congdon [ikecongdon@yahoo.com]
Sent: Monday, March 08, 2010 12:08 PM
To: Stodola, Paul E SAJ
Subject: Brevard Mid. Reach

To Whom it may concern,

As a prior member of the US Navy and an OIF veteran I am a strong believer in the Army's ability to adapt and overcome challenges, I truly believe we can find a better solution to Brevard County's erosion problem.

Industrial methods in the mitigation of erosion and natural forces of the ocean have classically had a knack for getting us in trouble. We have seen it happen repeatedly, attempting to mitigate damage to our property and coastlines with so-called innovative technology while giving the local environment and natural and environmental solutions a seat at the back of the bus.

First, reefs are our coastlines natural breakwater and in fact protect billions of dollars in businesses and properties along Florida's coastline. Second, you can thank the nearby and surrounding reef tracts for the beautiful color of the ocean water and the main reason we build condominiums there anyway. Without reefs, there is dramatically less aquatic scenery for all to enjoy. Florida as a whole has a strong sense of environment awareness and is a progressive state especially concerning the marine environment thus we can find better solutions to these problems facing erosion.

Though the money may be there to back the Brevard Mid Reach project, the science is not. We are only beginning to see the adverse effects on the environment do to premature actions and lack of knowledge in environmental matters. Repeatedly we find ourselves regretting the actions taken by prior generations to stop naturally occurring phenomenon.

Coral reefs are living organisms that have taken thousands of years to grow and continue to be an intricate part of our survival as anglers, divers and surfers. Yes, there is a strong lobby for this project to continue and a lot of money to back it. Marine life and coral reefs do not use money so it is on us to give them a voice as well. Indeed, we all have to make sacrifices to sustain human kind's growth and property; even our precious coral reefs must take a few lumps on the head.

I believe continuing this project with such an industrial mindset will not only directly negatively affect tourism immediately while it is happening but for the future in a big way by reducing Brevard County's economic diversity and further agitating an already frail and degrading reef ecosystem. Please feel free to contact me with any questions concerning environmentally sound solutions to this issue.

Very Respectfully,

William "Ike" Kananui V Congdon US Navy EOD (BSM/ACM) Recipient

CEO: Aloha Nui LLC Environmental Solutions

Owner: www.thefreedomboat.com <<http://www.thefreedomboat.com/>>

Member: Surfrider Foundation and Reef Check Org.

Stodola, Paul E SAJ

From: Henry Goode [hgoode@cfl.rr.com]
Sent: Friday, March 05, 2010 7:14 PM
To: Stodola, Paul E SAJ
Subject: Brevard Mid Reach

Dear Brevard Mid Reach Project,

I have a concern with respect to the Mid Reach Project and a suggestion.

Concern: Earlier in the 2000s the north and south reach projects were finished. The project seemed to have caused a huge variation in the how the waves broke and dissipated to shore. Before the project, the waves would dissipate over a long gradual slope reducing the wave force at the shore line. After the project was finished the wave energy would not dissipate gradually and thus would cause a catastrophic shore wave. This shore wave has enough strength to take down a 300 pound man not to mention what it can do to smaller people and children. From an economic standpoint, this treacherous beach is causing people to go to other beaches to avoid the increased undertow and massive shore break, thus hurting the local businesses that thrive on revenue from beach goers.

Suggestion: We all know the equation $Force = mass \times acceleration \text{ squared and divided time}$. The more time it takes a breaking wave to reach the shore, the less impact it has on beach goers and the newly placed sand from the Reach projects. So I suggest that a study be performed in small areas to test the new mid reach project's impact on the shore waves so as to protect the beach goers, revenue to business at the beach and the Project's Newly placed sand. I think this should be done before the entire Mid-Reach Project be performed.

Sincerely,

Henry Goode

Brevard Beach Goer and Resident

Stodola, Paul E SAJ

From: Kevin Murie [kevin@generalmasonry.gccoxmail.com]
Sent: Monday, March 08, 2010 9:39 AM
To: Stodola, Paul E SAJ
Subject: Dredge and Fill On Florida Coasts

To Whom It May Concern,

I am deeply concerned about the potential impact on the environment and the economy that dredge and fill project could have in Brevard County, FL.

If you have been involved in dredge and fill projects in the past then you know what a futile effort it is to attempt to hold back the sea with sand. I have been surfing up and down the east coast of Florida for 15 years and was a Jacksonville, FL resident from 1999 thru 2009. I have been witness to the ACE performed dredge and fill projects in Duval, Flagler, and St. Johns County the past ten years. In Flagler County sand and sediment from several hundred yards offshore was dumped up and down the Flagler County coast adding about 300 feet of dry beach. In less than 3 years the beach had retreated beyond where it was when the dredge and fill (presented to the residents of Flagler County as "beach re-nourishment") was begun.

The before and after in St. Johns County was far more dramatic. In St Augustine the filthy sediment was pumped ashore for months until the beach extended beyond the end of the county fishing pier. In less than 5 years the sands had receded to that point that the waves were again crashing against the seawall at the base of the pier.

The same story is repeated up and down the East Coast of the United States. The fact is that dredge and fill or the more rosy "beach re-nourishment" is a temporary fix to man-made problem and a tremendous waste of taxpayer money. Eroded coast lines are not the issue and we all know it. Irresponsible zoning, permitting, and construction are the issue. These "re-nourishment" projects have nothing to do with protecting the natural coastal environment but have everything to do with deep pocketed fool hardy land owners who chose to build too close to the natural water line and the government officials who permitted their construction. In some cases those fool hardy landowners are the city, county, or state (i.e. Hwy A1A in Flagler County)

In 2009 I returned to my home in Ft Walton Beach, FL where I grew up. Here these re-nourishment projects have been undertaken several times in the past with tragic results impacting tourism and fishing which are the two largest revenue and TAX producing industries in the Florida Panhandle. For some reason none of this fill ever finds it's way to the federally protected Gulf Islands National Seashore and I have never in 30 years heard anyone complain about beach erosion there. Curious? Since my return I have heard that there is another dredge and fill project in the works to protect the investments of landowners on MAN-MADE Holiday Isle.

Please consider the success of past dredge and fill products and realize that it is a futile and destructive undertaking that will have to be repeated time and time again at an enormous cost to the taxpayers and environment. Please spend the money budgeted for these "re-nourishment" projects to find more permanent solutions to protect the structures that already exist and develop new zoning and permitting guidelines that will prevent future buildings and roadways from being constructed so close to the shoreline.

Sincerely,

Kevin Murie
Field Engineer
General Masonry of NW, FL
(850) 259-5468 cell
(850) 244-2901 office
(850) 244-4835

Stodola, Paul E SAJ

From: Michael Dippy [michaeldippy@earthlink.net]
Sent: Friday, March 05, 2010 7:45 PM
To: Stodola, Paul E SAJ; portilla.alex.web@flsenate.gov; adam.hasner@myfloridahouse.gov
Cc: abeasley@orlandosentinel.com; bob.jordan@wftv.com
Subject: Dredging Project

Hello,

I am writing to you today about the Mid-Reach Dredging Project. As a lifelong Floridian that has had a few careers in the architectural & real estate fields, I understand your need to protect the buildings that were originally built too close to the water-line. Yet, I plead to you please reconsider your support for the dredging project. The harm that covering up the natural reef will do to the ecosystem will likely be detrimental. It will also greatly affect the fishing and surfing community along with the industries that are supported by their use of this reef. Finally, it is hugely expensive and probably under budget, during an nearly unprecedented financial crisis. This area of Florida has meant a lot to me and my friends our whole lives, please leave it available for future generations. Thank you for your time.

Sincerely,

Michael Dippy

407-792-1374

Stodola, Paul E SAJ

From: DiMeola, Dawn [DawnDiMeola@sfnngroup.com]
Sent: Friday, March 05, 2010 6:38 PM
To: Stodola, Paul E SAJ
Subject: Brevard Mid Reach

I write this email to let you know that I oppose the project to dredge and bury our reef to extend the beaches in Brevard County out further. Please take a moment to consider the impacts to all of the different people and marine life before voting to move forward on this project.

I understandable to think that your tourist industry will benefit from increasing the beach, however you are killing another very important Tourist industry in our area directly related to the sustainability of the reef. People come from all over the country to dive off our reefs and see the beautiful marine life that Florida boasts. What about the impact to the marine life, I know that many people do consider the impact to animals when they plan construction project but to kill off the giant grouper that live on the reef that would be a disaster. This decision if you move forward with it will also impact our local fisherman whose lively hoods depend on and thrive off of the fishing that the reef supports. We as a community have a lot more to lose than gain from this project.

Why are we considering a project that could potentially hurt our local economy and destroy our natural marine habitat, especially when the mitigation reef (man made) is unproven in relocating the wildlife and may not be effective. What happens when the sea turtles we try to protect can't find the reef they are instinctively drawn to, as well as the birds who live off of the exposed areas of the reef as it naturally occurs today. This proposed man made reef will be completely submerged significantly which will have a significant impact the birds who feed off of it.

We are we wasting millions of dollars on a project that may not work, will continue to cost us millions of dollars over the next decade. Can we really afford to be spending this money in our current economy, especially when we aren't sure whether or not this project will even work. Can we find better ways to use our tax dollars to the benefit of the local community.

I hope that you seriously consider what the consequences may be, before you vote to go forward with the Brevard Mid Reach Project.

Sincerely

Dawn DiMeola

Stodola, Paul E SAJ

From: Greg Gordon [travel@crsurf.com]
Sent: Tuesday, March 09, 2010 8:59 PM
To: Stodola, Paul E SAJ
Subject: Brevard Midreach comments

I moved to Brevard County in 1994 to teach at Edgewood Junior High School and because the waves were good. Even though I lived in Cocoa Beach, my favorite waves to surf were in Satellite and Indian Harbor Beaches because of how the wave broke over the nearshore reef. I would often get coffee and donuts before a surf, or get a slice of pizza afterward. Just because I was in the area, I would stop into Publix to shop (and now Lowes). The point is that each year I've made at least 100 trips to surf those breaks in the MidReach, and on average spent \$10 a trip. And there are thousands of other surfers like me who won't be going back to those beaches after they are filled with dredged sand. According to a NOAA survey back in 2000, there were 573,000 surfers in Florida (I'm fairly sure there are plenty more today)

Please review and include my further comments from the Florida Today article on the MidReach from March 7, 2010.

Comments link - <http://www.floridatoday.com/comments/article/20100307/NEWS01/3070320/Long-denied-renourishment-because-of-worm-beach-finally-may-get-bulked-up>

Article link: <http://www.floridatoday.com/article/20100307/NEWS01/3070320/Long-denied-renourishment-because-of-worm-beach-finally-may-get-bulked-up>

~ Greg Gordon

Brevard County taxpayer, retired teacher, and travel agent

**

"The sand dredged and dumped on other beaches (north and south reaches of Brevard) did not bury 3 acres of nearshore reef, which are foraging sites for juvenile sea turtles. The artificial rocks have not been studied long enough to determine if smaller turtles would survive on them since they will be placed 1000 feet offshore, not in the intertidal zone where the natural reef lies.

In general for FL, more sand = more tourist \$\$\$. But in this part of the county, the beaches have more value as surf spots as well as fish, bird, and sea turtle habitats.

Also not mentioned in the report are the studies on ghost crabs and other invertebrates that funnel through the natural sand. Previous studies show they aerate the sand with their digging, allowing water to wash through it while keeping the sand in place. Where you bury the invertebrates, it kills them off for 1-2 years, leaving hard packed sand that the waves will then carry the sand offshore."

and

"Alex_in_FL: The reason why this project has been stalled for 13+ years is the concern over the environmental impact. I got my \$21 million estimate from this source:

<http://surfeconomics.blogspot.com/2009/03/surfeconomics-of-brevard-county-florida.html>

As for where I got the \$1 billion figure:

The industry overall earned \$7.48 billion -

http://www.surflines.com/surfnews/2007_07_26_sima.cfm

Florida has 583,000 surfers out of 3.286 million in the U.S. = 17.74% (NOAA survey in 2000)
<http://surfeconomics.blogspot.com/2009/02/how-many-surfers.html>

So 17.7% of \$7.48 billion is \$1.33 billion.

Ron Jon's by itself has 400 employees and a \$50 million revenue -
http://images.businessweek.com/ss/09/06/0619_best_independent_stores/17.htm

This is relevant because the ACOE determines if a project is feasible based on a cost/benefit ratio. If the project ruins a surf break = less \$\$ for FL and US economy since there are less places to surf. And the ACOE did not consider any of this."



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WEAVE

Long denied renourishment because of worm, beach finally may get bulked up



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A tiny marine bristle worm has stopped dredges from pumping sand along Satellite Beach and Indian Harbour Beach for the past decade, while officials spent almost \$68 million bulking up the oceanfront to the north and south.

Rocks jut upward near the end of Eau Gallie Causeway. The narrow beach from Satellite Beach to Indialantic is targeted for a \$195 million, 50-year plan for resanding. It would take 31,800 truckloads. (Rik Jesse, FLORIDA TODAY)

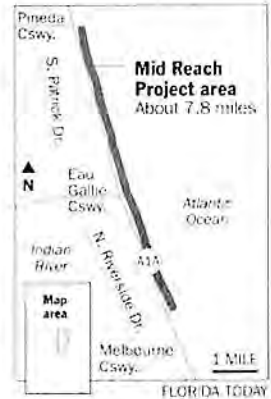
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The towns got a piece of almost \$30 million over four years in trucked sand for patching dunes after the hurricanes, but some beachside residents and officials pined for the dredge-and-fill projects that widened other high-profile Brevard County beaches.



The lowly Sabellariid worm and its flat-rock perch stood in the way.

But a new draft plan under review works around the environmental roadblock. It would bring another \$30 million in sand -- dredged offshore, then trucked in -- to the stretch called "Mid Reach" as soon as spring 2012.

"It's a very good compromise," Satellite Beach Mayor Joe Ferrante said. "The hurricanes of 2004 showed how vulnerable we were without beach renourishment. We lost all of our beach dune crossovers. . . . We took many, many hits."

Spending on beach renourishment

Including the \$12.4 million project that just started in Indialantic, about \$97.7 million since 2000 has been spent in Brevard County building back the county's beaches and dunes.

The roughly 31,800 truckloads of sand would go on 7.8 miles of beach, from just south of Patrick Air Force Base to just north of Indialantic.

Where the money has come from:

*Brevard's portion comes from the county's 5 percent bed tax on hotel and motel room stays.

Residents have until Wednesday to voice opinions on the \$195 million, 50-year plan, which includes resanding the two beaches about every three years. The plan will require congressional approval.



Dredges would pump almost 575,000 cubic yards of sand from shoals about five miles off Cape Canaveral to the Trident Basin west spoil area, 70 acres owned by the military on the north side of Port Canaveral. Trucks would haul the sand to

several beach access points, drive it down the beach, and bulldozers would smooth it.

The dredging would happen about every six years and the trucking every three years, or as needed -- for about \$7 million each time.

U.S. Army Corps of Engineers officials say, despite the risks and cost, the project's economics add up. They

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PUTTING SAND BACK (ON THE BEACH)

say that for every \$1 spent, it would pump about \$3 into the local economy in the form of property protection and tourism.

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Dredging sand on the beach protects billions in beachside property by buffering against storm waves.

SEA TURTLES

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SURF'S UP?

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Long denied renourishment because of worm, beach finally may get bulked up

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"Quite frankly, I didn't think we'd ever get it through," said Rob Varley, [executive director](#) of the Space Coast Office of Tourism. "I think they finally looked at it and said if we don't do something, we're going to lose a lot of buildings."



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Rocks jut upward near the end of Eau Gallie Causeway. The narrow beach from Satellite Beach to Indialantic is targeted for a \$195 million, 50-year plan for resanding. It would take 31,800 truckloads. (Rik Jesse, FLORIDA TODAY)



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Varley sees tourists, as well as sea turtles, snubbing the Space Coast if the beach narrows too much.

A Worm's Life

Brevard's major beach build-backs started in 2000, when dredges fattened Cocoa Beach and Cape Canaveral for \$23.1 million. Then in 2002, a \$15.5 million dredging project widened Indialantic and Melbourne Beach.

Dredges returned to all four beaches in 2005 to repair erosion from the previous year's hurricanes, at a cost of \$16.8 million.

All told, \$55 million was spent in five years.

Add to that a \$12.4 million dredging that began last month to bring sand to 3.8 miles of beach, from Spessard Holland North Beach Park to just north of Indialantic.

Satellite Beach and Indian Harbour Beach were left out of these large dredging projects, though, because of the coquina rock reef and a marine worm that clings to it.

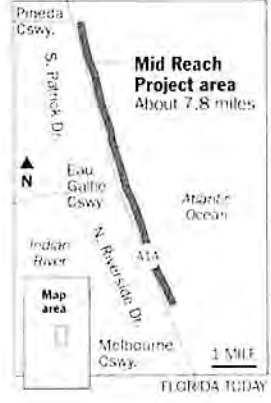
The worm creates rock-like outcroppings that, along with its coquina base, the National Marine Fisheries Service deems essential fish habitat.

The worms secrete mucus that sand grains get embedded in, forming cones where the worms hide, algae clings and fish and sea turtles feed.

The 2012 project is expected to bury up to three acres of the 31-acre reef within the project area,

as trucked-in sand oozes from the beach over rock in the surf zone.

After only three days buried, about half the worms would die, according to research by Nancy Sloan, who did her master's thesis at Florida Tech on the worms.

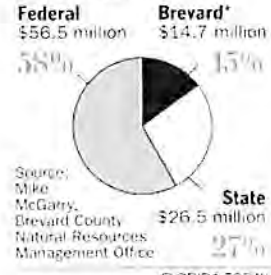


Spending on beach renourishment

Including the \$12.4 million project that just started in Indialantic, about \$97.7 million since 2000 has been spent in Brevard County building back the county's beaches and dunes.

Where the money has come from:

*Brevard's portion comes from the county's 5 percent bed tax on hotel and motel room stays.



PUTTING SAND BACK ON THE BEACH

The reefs they form help protect property by blunting wave [impact](#) and keeping sand in place.

"The way the worms build their reefs, it actually protects the beaches," Sloan said. "It helps to suspend sediment."

Artificial Approach

To make up for burying the worm reef, the corps plans to put 4.8 acres of prefabricated concrete rock mats seaward of the existing rock. They would embed the mats with 4- to 12-inch coquina stones, forming 8-foot by 15-foot blocks linked together by steel cables. They would sink the mats in water about 14 to 16 feet deep, about 1,000 feet offshore.

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Long denied renourishment because of worm, beach finally may get bulked up

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The \$7 million artificial reef accounts for about a quarter of the initial project's cost.



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"We expect it to function like most other artificial reef structures," said Paul Stodola, a biologist with the corps' environmental branch in Jacksonville.

Critics of the plan fear that such a reef won't draw as many worms, fish or other marine life as the natural coquina reef.

But studies in 2006 by the Brevard County Natural Resources Management Office found the worms clung at comparable rates to limestone test platforms put on the seabed offshore of the project area.

Officials said the more surgical method of trucking sand to the beach is needed to protect the worm and coquina reefs.

Dredging sand there would bury the worms and too much of coquina they inhabit and build upon, which serves as prime grounds for shrimp, crabs, grouper, snapper and sea turtles.

A Beach Divided

Coastal owners, however, remain divided about the prospect of the dredged and hauled sand.

Susan Brown of Satellite Beach, for example, thinks it all will wash away, entomb the reef-forging marine worms and harm surf fishing.

"The ocean's going to take it back," Brown said as she fished behind her beachside condo at Sandpoint Towers -- guarded by a concrete seawall. "The bottom line is they're wasting money. Those dollars are not free. They come from me and you."

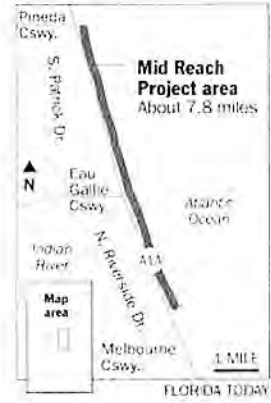
Others such as Chip Rohlke see new sand on the Mid Reach beaches as crucial for protecting property and the local economy.

"There's sand out there, but one good storm, and it's gone," said the _____, who owns a unit at the Cristal condominium complex in Indian Harbour Beach.



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Rocks jut upward near the end of Eau Gallie Causeway. The narrow beach from Satellite Beach to Indialantic is targeted for a \$195 million, 50-year plan for resanding. It would take 31,800 truckloads. (Rik Jesse, FLORIDA TODAY)

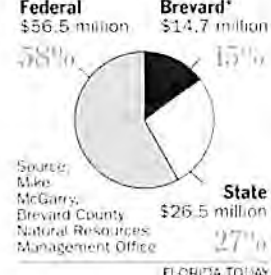


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PUTTING SAND BAGS ON THE BEACH

Brown said that will always be the case, regardless of how much sand the trucks and dredges bring. And she doesn't buy the premise that a thinner beach means fewer tourists.

"They're still going to come," she said. "The best thing we can do is leave it all alone."

Time, or the next storm, may tell.

Contact Waymer at 242-3663 or jwaymer@floridatoday.com.

72

Comments

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RITE-MED

Stodola, Paul E SAJ

From: David Kaplan [david.kaplan@gbfinc.net]
Sent: Sunday, March 07, 2010 6:23 AM
To: Stodola, Paul E SAJ
Subject: Do Not Put Dredged Sand On The Beach

To Whom It May Concern,

Please do not attempt this temporary fix and waste our money.

1. We as stakeholders were left out of process, and have the most to lose.
2. The project hurts the local economy and destroys natural habitat.
3. The mitigation reef is unproven and may not be effective.
4. The project is a waste of money, may not be effective, and may even prove dangerous to human lives.

David Kaplan

Asst. Project Administrator

3025 Matthews Road

Fort Pierce, FL. 34945

(954) 275-5638

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Stodola, Paul E SAJ

From: Owen Callard [ocallard@gmail.com]
Sent: Tuesday, February 16, 2010 10:14 PM
To: Stodola, Paul E SAJ
Subject: Brevard Mid-Reach-February 10 2010 meeting comments

To Whom It May Concern:

I attended the Public Meeting for the Brevard County Mid-Reach Shore Protection Project held on February 10, 2010 at the The Radisson in Indialantic, Florida. I thought the presentation was good and that the Question and Answer session held after the USACOE presentation was especially effective. Many of my questions were answered by speaking with the USACOE experts present at each station, environmental, economic etc. At this juncture, I have some general comments.

I realize that the USACOE mission is protect personal property, infrastructure, and to attempt to balance environmental concerns when constructing these types of projects. One of the items that struck me was the initial start-up cost of \$29 million dollars for the Mid-Reach project. It is true that if we as a society choose to do nothing to protect critically eroded coastal areas along Brevard County beaches and elsewhere, that shoreline properties will be impacted and heavily damaged. I would be interested to see if it would actually be cheaper to purchase selected properties along the Mid-Reach shoreline rather than renourish these beaches at a regular intervals. The renourishment projects disrupt activity along beaches as well as impact flora and fauna along project areas. Has the USACOE done any analysis concerning purchase of property along these areas? In addition to the start-up costs, periodic construction costs for additional renourishment of the beaches will add cost throughout the 50-year life span of the project.

It is difficult to quantify the worth of nearshore reef, associated plants, and animals that make their home in this area. The worth of these areas is not easily calculated as a metrics so that a neat cost:benefit ratio is yielded. These areas have value as well and we need to preserve them when possible. Tourists will still come to Florida beaches and tourism will always be important to Florida's economy. Florida's economy needs to become less dependent on tourism and it needs a more diverse economic base. We need to accept the fact that these barrier islands are transgressing west. Why not minimize renourishment by purchasing properties? When and if the encroachment of the shoreline jeopardizes A1A, then more protection measures may be used to protect the obvious importance of such a road.

I say dump sand on the dunes but avoid the intertidal area. The sand will cover the nearshore reef, probably to a greater extent than any model could predict since nature operates in a non-linear manner.

Thank you for your consideration,

Owen Callard

Stodola, Paul E SAJ

From: frances alban [frances@albancommunications.com]
Sent: Saturday, March 06, 2010 9:36 PM
To: Stodola, Paul E SAJ
Subject: Brevard Mid Reach

To whom it may concern,

A native Floridian, I was saddened to hear the news about the reduction project in Brevards County. I care tremendously about protecting out wildlife, natural beauty and preserving Florida's beaches. I am against this so-called beach restoration project, for the following reasons:

1. The project hurts the local economy and destroys natural habitat.
2. The mitigation reef is unproven and may not be effective.
3. The project is a waste of money, may not be effective, and may even prove dangerous to human lives.

For all these reasons, I strongly urge you to withdraw your support of this harmful project. Thank you for considering my comments. I look forward to your reply.

Frances

Frances Albán
Albán Communications
tel. 786.200.4315

<http://twitter.com/Francesalban>
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Stodola, Paul E SAJ

From: virginia [vsavage@cfl.rr.com]
Sent: Friday, March 05, 2010 6:10 PM
To: Stodola, Paul E SAJ
Subject: One voice

I find it quite remarkable that our Brevard County "government" is planning to spend "\$30 million to bury three acres of reef between Satellite and Indian Harbour Beaches, and then continue to spend \$7 million every three years or so to keep it buried", to destroy existing and essential habitat and food sources for baby sea turtles, birds, and fish... and for what purpose other than to bend over for beachside property owners who are worried about erosion. Come on folks. When is it time to stand up for the principle of long-term preservation of all that is truly essential... the ecology of all life, the beauty of our Earth's ecosystem, our own human responsibility to safeguard those who cannot safeguard themselves? I say the time is NOW. If this decision is carried out, I say that it is not truly "government" which is a representative voice of all people, but money that is doing the talking. I say that it is well past time for asking why we spend millions to cover reefs, build beaches, or even to protect property built too close to nature's inherent process. It is time to STOP. Think about it. Can you really, in clear conscience, do something that is identical to wiping out a population of life simply because you have rationalized your denial of it? If you don't stop to think about it, you ARE the problem.

One Voice, Collective Mind

Dr. Virginia Savage

Stodola, Paul E SAJ

From: three jolts [3jolts@gmail.com]
Sent: Saturday, March 06, 2010 10:10 AM
To: Stodola, Paul E SAJ; tom.morrissey@jax.ufl.edu
Subject: don't prove yourself dumb, careless and wrong!!!

I can't believe I have to admit to my friends in california that they are smarted about their beached than we are! (these are the guys who turned their landscape from the backdrop of Gidget films to scenes from terminator, for pete's sake!!!)

North Fla and the rest of the southeast coast (known world round as dumb rednecks) have the foresight to not allow big-development to have carte blanche, and the promise we'll bail them out no matter how much they screw up our world.

By allowing the (inappropriately named) "dredge and fill beach renourishment" to proceed you are showing you haven't learned anything from the regions alluded to above. Can you honestly say that you are doing this for any other reason than to protect buildings that shouldn't have been built there in the first place? The same buildings that "precipitated the problem"?

Either have the courage to admit the only master you serve is the dollar, or allow the other parties involved to be part of the decisionmaking process. Listen to the voices of the fishing industry, the recreational beach-goer, the surfers and boogieboarders,, the naturalists and environmentalists and countless others.

Please don't send the message to shortsighted developers that we acknowledge that they are "too big to fail". We can wise-up now and not make the same mistakes that have been made before. The world is changing. The younger generation recognizes this. Show them you are not too stubborn to listen or too old to learn.

Respectfully,

Tom Morrissey
Scientist
Emergency Physician
Medical Student Educator
Surfer, fisherman, swimmer, beachrunner
(body composed mostly of salt water)
Native Son of Florida
Most importantly...Father of 2 teenage boys who should not be deprived of the beaches I was priveleged to grow up on.

Stodola, Paul E SAJ

From: Fred A. [fastuff@bellsouth.net]
Sent: Saturday, March 06, 2010 2:20 PM
To: Andy Anderson
Subject: Beach renourishment

To my elected representatives,

I write this letter to express my concern to the currently proposed "beach renourishment project". I am a permanent voting resident of Brevard County and Satellite Beach and I am completely against any project that will in any way harm the quality of water, cover the near shore reef, put substandard sand on the beach, or waste taxpayer dollars. I am a fisherman, beach goer, surfer and I have seen the quality of the sand placed in the last two renourishment projects and frankly it was disgusting. In addition the water quality for almost a year after the last project was terrible. It is just now beginning to clear up.

With this next project, as I understand it, a good bit of the near shore reef will be covered and I am adamantly opposed to this. I understand that measures will be taken to protect the homes and condos which have been constructed much too close to the beach but the current proposal goes much too far in accomplishing this. In addition I am opposed to the big business of beach renourishment. It is a waste of taxpayer dollars and in these days and times I find it criminal to waste even a penny much less 195 million dollars.

I write this letter on behalf of not only myself but my wife, son, and daughter in law and all of us will take note of what is done and vote accordingly in the next elections. It is time to bring the big business and destructive wasteful practices of beach renourishment to a halt.

Thank you for your attention,

Robert Auter
Deborah Auter
Terry Auter
Joanna Auter

768 Hibiscus Drive
Satellite Beach, Fl 32937

Stodola, Paul E SAJ

From: Virginia Grabowski [v.grabowski@mac.com]
Sent: Friday, March 05, 2010 7:04 PM
To: Stodola, Paul E SAJ
Subject: Brevard Mid Reach

I appose the project because of the following points:

1. We as stakeholders were left out of process, and have the most to lose.
2. The project hurts the local economy and destroys natural habitat.
3. The mitigation reef is unproven and may not be effective.
4. The project is a waste of money, may not be effective, and may even prove dangerous to human lives.

Virginia Grabowski
Seffner, FL 33584
v.grabowski@mac.com
813-579-0018

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Stodola, Paul E SAJ

From: PARADISE POOLS [paradise-pools@hotmail.com]
Sent: Saturday, March 06, 2010 3:14 PM
To: Stodola, Paul E SAJ
Subject: DONT BURY OUR REEF OR ROCK!!

OIM A LIFELONG RESIDENT OF "BEACHSIDE".I'VE SPENT MY WHOLE LIFE TRAVELING UP AND DOWN THE COAST EAST COAST OF THE U.S. LOOKING FOR GOOD SURF,MOSTLY NEAR MY HOME IN INDIALANTIC,FL. FROM SEBASTIAN INLET TO COCOA BEACH. BUT,UNFORTUNATELY ITS GETTING HARDER AND HARDER TO FIND GOOD SURF IN THESE AREAS BECAUSE EVERY YEAR THE FEDS SPEND MILLIONS OF \$\$\$\$\$\$\$ TRYING TO "REPLENISH" THE LOSS OF SAND FROM EROSION DUE TO STORMS. MOSTLY FOR THE RICH PEOPLES HOMES THAT ARE CLOSE TO BEING LOST TO THE SEA. WAAWAAWAA! WHILE MESSING UP THE SANDBARS THAT USED TO BE SO GOOD HERE!

AFTER EVERY NEW "RESTORATION" ALL IT TAKES IS A "MINOR" STORM AND ALL THAT SAND IS GONE! NOT TO MENTION ALL THE \$\$\$\$\$\$\$ IT TOOK TO GET IT THERE. AND NOW THEY WANT TO BURY THE ONLY REEF AND ROCK AREAS WE HAVE IN THIS AREA. ONCE AGAIN WASTING OUR TAX DOLLARS AT THE SAME TIME DESTROYING THE ONLY ROCK AND/OR REEF AREA FOR FISH TO CONGREGATE. NOT TO MENTION MAKING THE SANDBARS ALONG THE COAST EVEN WORSE THAN THE YEAR B-4 THAT AND THE YEAR B-4 THAT AND THE YEAR B-4 THAT AND SO ON.

SO PLEASE NO NO NO NO MORE SAND PLEASE FIND OTHER ALTERNATIVES.
HOW ABOUT CONSTRUCTING SOME JETTIES THAT WILL HELP WITH EROSION,MAKE BETTER SURF BREAKS AND ALSO GIVE MARINE LIFE SOME GOOD HOMES AND HABITAT.

Hotmail: Trusted email with Microsoft's powerful SPAM protection. Sign up now.
<<http://clk.atdmt.com/GBL/go/201469226/direct/01/>>

Stodola, Paul E SAJ

From: vitunac [vitunac@bellsouth.net]
Sent: Monday, March 08, 2010 8:36 PM
To: Stodola, Paul E SAJ
Subject: brevard mid-reach proposed project

Ladies and Gentlemen:

Please accept my comments regarding the above. I object to the proposed project for the following reasons:

Surfers and fisherman, as well as those from the surf and fishing industries are among those who may be most negatively impacted by the proposed project, yet the Corps has neither adequately heard nor appropriately addressed the concerns of those groups. The project will destroy the natural habitat of many species, including protected species. The proposed mitigation reef is unproven and may not be effective. This reef should be installed and tested prior to any consideration of the project. The project is extremely expensive, and the benefits are speculative. A much smaller scale project would provide the intended protection without destroying natural reefs. The mitigation reef may prove to be hazardous to swimmers and surfers.

Thank you for considering my comments.

Suzanne Vitunac
2606 Mockingbird Dr.
Vero Beach, FL 32963

Stodola, Paul E SAJ

From: Gary Wall [irishrover@insightbb.com]
Sent: Monday, February 15, 2010 11:07 AM
To: Stodola, Paul E SAJ
Subject: Beach Restoration Project

As a resident of Brevard county,we enjoy the beach and its natural beauty.Living close by enables us to frequent the beach.We talk to others in Florida who enjoy the beach,not to mention the many tourists.

We look forward to your approval of the Beach Restoration Project.

Regards,

Gary Wall

Stodola, Paul E SAJ

From: Richard Franklin [r-p-franklin@mindspring.com]
Sent: Sunday, March 07, 2010 7:47 PM
To: Stodola, Paul E SAJ
Subject: Brevard Mid Reach Beach Project

To Whom It Concerns:

I am President of the Golden Palm Condominium Association and am writing to voice my support for the Brevard County Shore Protection Project. Since 2004 when hit by numerous hurricanes, the beach, due to loss of dune, and area have been in decline. Our economy largely dependent on tourism continues to suffer. Our beaches have become very unsafe since a large volume of rocks have been uncovered with the loss of sand. Our sea turtle population is suffering since there is less beach area to dig nests. The survival of turtle eggs has dramatically decreased since sea water now invades nests that are now closer to water's edge. Please give this project a positive vote.

Richard Franklin
1941 Hwy A1A #201
Indian Harbour Beach, Fl
4070421-1099

Stodola, Paul E SAJ

From: Brent Shipman [bcsmann@yahoo.com]
Sent: Friday, March 05, 2010 11:12 PM
To: Stodola, Paul E SAJ
Subject: Re: Brevard Midreach Dredging Project

I have surfed, fished, walked with my family, enjoyed seeing the turtles, birds, finding crab claws and other things from the reef area in this beach area for many years. I believe that this will be an extremely wasteful and detrimental expense of my tax dollars to pump the reef areas over with sand. There must be some better way to build a better dune system to protect the real estate than total destruction of the reef that supports everything from a whole aquatic species system and also world class surfing breaks. Please don't ruin the reef.

Sincerely,

Brent C. Shipman
Atlantic Approved Appraisers Corp.
St.Cert.Res.REA RD3865 FL
Cell: 321-271-9536

Stodola, Paul E SAJ

From: Lauren Devine [lrdevine@yahoo.com]
Sent: Friday, March 05, 2010 9:25 PM
To: Stodola, Paul E SAJ
Subject: Subject - Brevard Mid Reach

To whom it may concern,

The above referenced project:

1. Hurts the local economy and destroys natural habitat.
2. The mitigation reef is unproven and may not be effective.
3. The project is a waste of money, may not be effective, and may even prove dangerous to human lives.

Please reconsider this reckless project.

Thank you for your time.

Sincerely,
Lauren Devine
Boca Raton, FL

P please consider the environment before printing this email

Stodola, Paul E SAJ

From: Greg Gordon [crsurf@yahoo.com]
Sent: Saturday, March 06, 2010 2:34 AM
To: Stodola, Paul E SAJ
Subject: MidReach comments

Please accept these video links of surfing in Satellite Beach. In this first one, filmed during Hurricane Florence in 2006, notice the number of surfers and the enjoyment they are having. Notice how the nearshore reef not only give the outside waves punch, but also help dissipate the waves gradually closer to the beach. <http://www.youtube.com/watch?v=DpvYixAU98M>

And after watching the second one showing a surf contest in Satellite Beach (<http://www.youtube.com/watch?v=6GqVZ12Ehhs>), think about the economic incentives that these surf contests have. Think about what a great healthy sport for all the kids to participate in, appreciating nature and the ocean. Think about how great a family event these are.

Don't bury the reef. Just use the dune fill option.

~Greg Gordon
Satellite Beach surfer

Stodola, Paul E SAJ

From: lpollin@aol.com
Sent: Saturday, March 06, 2010 2:33 PM
To: Stodola, Paul E SAJ
Subject: Brevard Sand

Other than being a great surf area, you have to address the killing of the reef and all the sea life that lives on it. If you cover it all up with dredged sand, the turtles fish etc will no longer be. Please consider dumping the sand elsewhere, at least to a beach with out reef. Reefs are scarce enough and we need to preserve the ones that are left.

Your consideration is appreciated.
Larry Pollin

Lawrence S. Pollin
Smith & Associates Real Estate
3801 Bay to Bay Blvd. Tampa, FL 33629
(813)839-3800 x3423 FAX (813)837-3999
www.LarryPollin.com <<http://www.larrypollin.com/>> =

Stodola, Paul E SAJ

From: Mark B. Sigler [markbsigler@gmail.com]
Sent: Saturday, March 06, 2010 7:44 AM
To: Stodola, Paul E SAJ
Subject: Dredge and fill project(s) in Brevard County Florida

As a longtime coastal resident of Florida and Brevard County, I would like to register my dissent for the proposed dredge and fill projects on the Florida coast, in particular the Indian Harbour and Satellite Beach proposal. I do not believe that this is a sound approach for the environment, as it is obviously destructive to fishing and surfing which are important aspects of tourism. I do not believe it is the taxpayers responsibility to fund such projects in order to protect individuals coastal properties. I believe it is those property owners responsibility to remove the sea walls that are a proven cause of erosion, and return the coastline to a natural state.

—
Mark B. Sigler
5845 Riverside Dr
Melbourne Beach, FL 32951

Stodola, Paul E SAJ

From: lbienkowski@bellsouth.net
Sent: Friday, March 05, 2010 6:28 PM
To: Stodola, Paul E SAJ
Subject: Brevard Mid Reach

I am against this -- It's just another waste of tax payer's money to assist condo owners and private homes. What a joke. You people are bought.

You want paradise for the tourist industry? This is not the answer. You are ruining paradise. Bury a reef and destroy your money maker -- the beach and the clean and healthy ocean. You insult mankind and make a mockery of a transparent process that benefits all citizens, not just the one's that paid you off. Say good-bye to your economy with your short-sighted, destructive project. And the condo owners and private owners can have a first class view of a sloppy mess.

Haven't you people done any research on dredge and fill projects?!? Insanity, doing the same thing over and over again and expecting different results. Welcome to the asylum.

Brian Bienkowski
Silver King Freelancing Inc.

Stodola, Paul E SAJ

From: LynneBas@aol.com
Sent: Saturday, February 13, 2010 8:49 AM
To: Stodola, Paul E SAJ
Subject: Sand Restoration

Mr. Posey,

Sand restoration in our area is vital. Please do everything you can to make sure that congress and the Army Corp of Engineers keep up with the program.

Thank you for your hard work,

Lynne Basler, Realtor
MILLION DOLLAR SALE'S ASSOCIATE
South Island Real Estate
301 Ocean Ave.,
Melbourne Beach, FL. 32951
321-626-6336 (Cell)
321-984-3135 (Work)
lynnebas@aol.com
www.lynnebaslerbeachrealty.com

Stodola, Paul E SAJ

From: Yeatman Dr., Timothy [Timothy.Yeatman@moffitt.org]
Sent: Friday, February 12, 2010 8:37 PM
To: Stodola, Paul E SAJ
Subject: Sand Restoration Indialantic Beach

Dear Sir:

Brevard County is currently seeking general legislation from Congress that would authorize the U.S. Army Corps of Engineers to proceed with restoration of any, to all, of the 7.6 mile Mid Reach. I am writing you to request support of the following pieces of legislation:

1. A \$500,000 federal appropriation in the Energy and Water Appropriations Bill, sought by Brevard County, to complete the Mid Reach GRR.
2. Legislation in the Water Resources Development Act to correct prior Army Corps documents that limited the Mid Reach to 7.1 miles, instead of the full 7.6 miles.
3. HR 2557 (from the 2004 draft Water Resources Development Act) that directs that the Secretary of the Army accept the results of the Independent Coastal Expert Study that found the federal government should assume fiscal responsibility for nourishing the North Reach for 50 years. The study found that the federal government should assume all the costs associated with building and maintaining the North Reach to mitigate the historical erosive impacts of the federal navigation project at Port Canaveral on the North Reach beaches. If this legislation passes, Brevard County Tourist Development Council funds earmarked for the North Reach would become available for Mid Reach restoration.

I am an avid swimmer, outdoorsman and find the rocks on the beaches very dangerous and a true obstacle to safe recreation.

Sincerely,

Timothy J. Yeatman, M.D.
2835 N Hi A1A
Indialantic, FL

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Stodola, Paul E SAJ

From: Walter Coker [wcoker@folioweekly.com]
Sent: Saturday, March 06, 2010 3:38 PM
To: Stodola, Paul E SAJ
Subject: Brevard Mid-Reach Project

To Whom it May Concern,

The proposed project for "renourishment" in Brevard County is a disastrous and misguided undertaking, one that will destroy thriving wormrock habitat that provides for numerous species of sealife. In turn, it will destroy critical recreational fishing opportunities that are vital to local businesses. Yet another detrimental effect will be on the surfing community, as the reefs are vital to the creation of well-shaped waves that the area is notorious for.

I grew up in Satellite Beach in the 60's and 70's, and still return a few times a year to surf this area because it offers such quality waves, a direct result of the wormrock reef this proposal will bury. When I visit, I spend money in local restaurants, shops, and hotels.

I find it outrageous that this project is being pushed through without a proper dialogue between all of the parties it will affect.

Please halt this process now until all of the options and opportunities have been explored!

Walter Coker
37 Sylvan Drive
St. Augustine, FL
32084

Stodola, Paul E SAJ

From: ALEXZAK@aol.com
Sent: Tuesday, March 09, 2010 3:11 PM
To: Stodola, Paul E SAJ
Cc: mcrotty@satellitebeach.org; ALEXZAK@aol.com; bfarsad@hotmail.com; facepush@hotmail.com; jimkenney@fairwaymgmt.com; ericbyrd@fairwaymgmt.com
Subject: MID-REACH PROJECT ENDORSEMENT

AS THE PRESIDENT OF THE OCEANS CONDO ASSOCIATION, I WANT TO STATE FOR THE RECORD THE ASSOCIATION'S FULL ENDORSEMENT OF THE MID-REACH SAND PROJECT. WE HAVE WAITED TOO LONG FOR THIS BEACH RENOURISHMENT PROJECT IN THE SATELLITE BEACH COMMUNITY. IT IS BOTH TIME CRITICAL AND ESSENTIAL TO THE CONTINUED GROWTH AND SUSTAINMENT OF OUR LOCAL ECONOMY.

ALEX ZAKRZESKI JR.
PRESIDENT, THE OCEANS CONDO ASSOCIATION
(321) 431 1679

Stodola, Paul E SAJ

From: Bill Stein [wstein723@cfl.rr.com]
Sent: Saturday, February 13, 2010 12:59 PM
To: Stodola, Paul E SAJ
Subject: Brevard County mid-reach storm damage reduction study

I attended the 2/12 Brevard county meeting and was impressed and in total agreement with the mid-reach beach nourishment project. Our condo is located on the beach and I have watched the steady erosion of the beach. I understand that the Cape Canaveral jetty contributes to sand starvation. I am on the Somerset Condo Board and represent our 120 units. We are in agreement that the project should be started as soon as possible.

William Stein MD
2065 Highway A1A unit 1501
Indian Harbour Beach 32937

Stodola, Paul E SAJ

From: jamesasavage@cfl.rr.com
Sent: Wednesday, March 10, 2010 12:29 AM
To: Stodola, Paul E SAJ
Subject: Brevard Mid Reach Dredge & Fill

Dear Sir/ Madam,

As a Brevard County native and current resident of almost 49-years, I want to go on record that I am vehemently opposed to the Brevard Mid-Reach dredge and fill project that is being contemplated.

I am an avid surfer and fisherman, and have pursued these activities in the mid-reach reef area for more than 35 years now. I'm still out there (in the surf/ on the beach) every chance I get (which is still pretty often). I own a home in Satellite Beach, pay taxes, and am raising a family (which includes my 3 sons who are also very fond of the unique beach that we have here) here. I shudder to think that in one fell swoop my/ our beach (and the lifestyle I love) can be taken from us by those with no real vested interest in my/ our beach under the guise of "renourishing a critically eroded beach".

As one who actually uses this very valuable public natural resource (on a daily or at least very frequent regular basis), I, and the many, many like me, are the ones who stand to lose dearly should this project come to fruition. I genuinely care deeply for this very unique near shore marine environment. This mid-reach area is not only home to near shore marine habitat that is of critical importance to many marine animal species (for example, having surfed all over Florida, and the world for that matter, I am always astonished to see the great numbers of juvenile sea turtles feeding along our mid-reach reefs), but also to a number of surf breaks that are considered by many to be some of the best on the entire US east coast. Having witnessed first-hand the long-lasting negative effects on both marine life and the quality of the surf in the adjacent beach areas where "renourishment" has occurred, I have no doubt whatsoever that same dire, negative effects will also occur in the mid-reach area. In fact, the negative ecological impacts of this project will endure long after the multi-million dollar sand deposit is gone from the beach.

In the place of the project as contemplated, what I would like to see is the continuation of the dune and berm fill that has been done previously in this area.

In closing, I urge you to fully consider the factors I've noted above prior to approving this project.

Sincerely,

James A. Savage
316 Jupiter Drive
Satellite Beach, FL 32937
(321) 773-7088 (Home)
(321) 431-6205 (Cell)

Stodola, Paul E SAJ

From: matthew mitchell [mattsocean@yahoo.com]
Sent: Sunday, March 07, 2010 10:52 AM
To: Stodola, Paul E SAJ
Subject: Satelite Beach Project

To Whom it may concern,

I am a Florida native who has enjoyed our eastern & western coastlines my whole life and consider them a gift from God. I know enough that when you mess with the natural accurances in a way that is unnatural like this plan for dredging and placing sand, and dropping coquina offshore is a bad idea. Please look into other alternatives. Thank You.

Respectfully,

Matthew Mitchell

Stodola, Paul E SAJ

From: s s [ssgomezz@yahoo.com]
Sent: Sunday, February 21, 2010 8:24 PM
To: Stodola, Paul E SAJ
Subject: brevard county midread question

hello,

I have a question regarding the Brevard County Mid-Reach erosion-

My understanding is that the army corps of engineers was sued for the erosion caused by the construction of the inlet at the Port of Canaveral. Is this true, and if so, are the funds from the lawsuit covering a portion of the beach (re)nourishment? And for how long will the funds last?

Thank you,

Sylvia Correnti

638 Ocean Street, Satellite Beach, FL

Stodola, Paul E SAJ

From: John Coyne [jemcoyne@gmail.com]
Sent: Tuesday, March 09, 2010 7:50 PM
To: Stodola, Paul E SAJ
Subject: Brevard Mid Reach

Dear Sir or Madam:

The Army Corps of Engineers has a long history of engaging in projects that over the long run did more harm than good. That is why I am writing to express my objection to the Brevard Mid Reach project. Once again we have a CoE project benefitting only a few while we the taxpayers are forced to foot the bill.

20 years from now will we look back and see that prime surfing and fishing spots were ruined, while the erosion problem hasn't really been solved because the dredged sand keeps washing away?

Regards,

John E. Coyne

Concerned surfer

Stodola, Paul E SAJ

From: ehanavan@knights.ucf.edu
Sent: Sunday, February 21, 2010 8:34 AM
To: Stodola, Paul E SAJ
Subject: Beach Renourishment in Indiatlantic

Just wanted to say that I am concerned with the plans to renourish beaches in Indiatlantic. I believe that dredging will cover the worm reef (brevard reef) in that area and kill large parts of it. I believe this because a judge in Palm Beach ruled against dredging for this very reason. His decision was supported by the opinions of several scientists among others.

Here is where I heard about the court case:

<http://www.surflife.com/surf-news/environmental-news/palm-beach-county-chapter-winds-major-court-battle-25071/>

Thank you for your time,
Pat Hanavan
407-453-1171

P.S. I'm starting to soften my stance on dredging in areas without reef. I'm not convinced it's that bad for the environment if reef isn't around. However, when reef is present it's a different story.

Stodola, Paul E SAJ

From: Greg Itnyre [gitnyre@gmail.com]
Sent: Saturday, March 06, 2010 1:52 PM
To: Stodola, Paul E SAJ
Subject: Stop the Dredge and Fill

To Whom It May Concern:

I strongly urge you to not allow the dredge and fill project in the Brevard County area and for the whole coast of Florida for that matter. This practice of beach re-nourishment is antiquated and a total waste of tax payers money. The detrimental environmental effects of dredge and fill on Florida's coastline are far to heavy than to only provide sand for tourists and to save a beach front homes. Please reconsider your policy for beach renourishment.

Sincerely,

Greg Itnyre
Environmental Scientist

Stodola, Paul E SAJ

From: Lea Williamson [leaswain@yahoo.com]
Sent: Saturday, March 06, 2010 10:47 AM
To: Stodola, Paul E SAJ
Subject: Reef fill project

I moved back to brevard after a 15 year stint out west. I chose to live in satellite beach expressly for the good surf and uncrowded beaches. It's a real shame the army Corp wants to ruin the reef system. As a native to brevard my fishing, diving, boating and surfing family remain in the area just for these activities. I for one, will promptly move north out of brevard if this plan goes through. I refuse to let my tax dollars be a part of destroying the only reason I returned to the area just 6 months ago.

I know dozens of florida west coast surfers who religiously make the cross state journey at least once a month to surf in satellite and Patrick. If these waves are damaged you can rest assured it will have a significantly bad economic impact on the area when these 'west coast locals' quit coming. They support restraurants, hotels, surf establishments and the like with their money.

I strongly suggest that to REALLY benefit the economy of the area as well as he local environment STOP this insane project.

Lea Williamson
698 Atlantic drive
Satellite Beach Fl

Be Grateful

Stodola, Paul E SAJ

From: Paul Ferraro [pferraro@gggai.com]
Sent: Wednesday, March 10, 2010 3:13 PM
To: Stodola, Paul E SAJ
Subject: Brevard mid reach

As a resident and property owner in Satellite Beach, FL. I have recently read an article regarding the Brevard mid reach and find myself very disappointed and disturbed about the whole idea. In my opinion to cover a reefs that have been in place for years before any of our existence is irresponsible and detrimental to nature. We live in a beautiful area of the country and this is the reason many of us live here. There are nice beaches, good surfing, good fishing. To propose an idea to cover all of the reefs in this area would potentially destroy some of the natural beauty of our coastline not to mention change the surf breaks, the fishing and wildlife environment that many of us enjoy so much.

The damage to the ecosystem could potentially prove to be irreversible. There are many residents in this area who live in this area (myself included) for those very reasons. There are also many travelers who visit this area for those same reasons. This will definitely have an affect on the local economy as without this allure many will skip their visits to this area all together.

As a taxpayer in Satellite Beach I am also very disappointed as I was never given any voting rites as to this matter.

I can only hope and pray that the government makes the right decision and does not go through with this ridiculous plan. Many will be very disappointed.

Paul Ferraro, LPA
Goodman-Gable-Gould/Adjusters International
6767 N Wickham Road Suite 501
Melbourne, Florida 32940
Phone: 321-255-1434
Fax: 321-255-1142
Cell: 321-848-7782

Stodola, Paul E SAJ

From: Dave Gamble [drgamble@yahoo.com]
Sent: Thursday, March 04, 2010 7:22 PM
To: Stodola, Paul E SAJ
Subject: dredge/fill

Please don't do this. Leave the midreach worm reef/rock alone!!!!!!!!!!!!!!!!!!!!
Stop this dredging now!!!!!! It is a GIANT wasted of taxpayer money!!!!!!!!!!!!!!
STOP IT.

carpe diem!
Dave.

Stodola, Paul E SAJ

From: Henry Fong [he957378@yahoo.com]
Sent: Sunday, March 07, 2010 3:33 PM
To: Stodola, Paul E SAJ
Subject: Concerned citizen

STOP THE DREDGE! It will destroy the ecosystem!

Stodola, Paul E SAJ

From: Tom & Lacy Holtzworth [holtztl@cox.net]
Sent: Sunday, March 07, 2010 8:05 AM
To: Stodola, Paul E SAJ
Cc: Surfrider Foundation Florida Chapter Network
Subject: Brevard Mid Reach

Dear Sirs,

I am in solidarity with the Surfrider Foundation Florida Chapter Network in my disapproval of this project. Not only for the (dys)functional and environmental reasons listed below, but additionally because I do not approve of the expenditure of FL state tax revenue being spent on a project designed to benefit a few elite coastal dwellers while our schools and other critical programs are facing severe budget cuts. The evidence supporting the folly of this plan is overwhelming; please seriously consider the negative impacts of this project and prevent its implementation.

1. We as stakeholders were left out of process, and have the most to lose.
2. The project hurts the local economy and destroys natural habitat.
3. The mitigation reef is unproven and may not be effective.
4. The project is a waste of money, may not be effective, and may even prove dangerous to human lives.

Sincerely,
Tom Holtzworth

Stodola, Paul E SAJ

From: Sadowski, Irene SAJ
Sent: Tuesday, March 09, 2010 10:06 AM
To: Stodola, Paul E SAJ
Subject: Mid reach objection

Paul,

Please forward this to the appropriate person. Ms. Scotty Culp called this morning and would like to have her opinion known that she is opposed to the project. Please have someone call her at 321-773-8391.

Irene

Irene F. Sadowski
Chief, Cocoa Permits Section
400 High Point Drive, Suite 600
Cocoa, Florida 32926

Phone: 321-504-3771 extension 12
Fax: 321-504-3803

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Stodola, Paul E SAJ

From: Randy Carner [randyiscool90210@yahoo.com]
Sent: Sunday, March 07, 2010 9:04 AM
To: Stodola, Paul E SAJ

please dont dredge out the reef... surfing brings tourism to brevard especially in
satellite.. i think it is complete utter crap to even think about dredging it..

Stodola, Paul E SAJ

From: cwhittaker2@cfl.rr.com
Sent: Monday, March 08, 2010 11:30 AM
To: Stodola, Paul E SAJ
Subject: Brevard Mid Reach

Hello,

My name is Jarrod Whittaker I'm 19, and I live in South Merritt Island. I am writing to voice my opinion against your proposed dredge and fill project that will ruin several of my favorite surf spots from Satelite beach to the Indian Harbor beaches. The project will ruin several breaks that my friends and I have enjoyed over the years and have been there since my dad was in high school and surfed the same spots. The project will also ruin the beach for the many fisherman that I see on the beach in the morning. There are also many environmental problems, that Im sure you are aware of, that will happen if you cover up natural reefs with what you call sand that is dredged up from far off the coast. The reef allows for juvenile sea turtle to grow and is an essential environment for grouper to live. All this harm to the environment is to go toward a mitigation reef that has not been proven to be effective and will be a waste of \$150 million taxpayer dollars over the next 30 years. The project is not going to help the beaches with erosion, since that is a natural cycle and will be replenished with actual sand, it is all for the condo buildings on the water. I just wanted to take a moment to voice my concern for the possible loss of several surf spots that I love, and for the fisherman and divers who love the reef and all that it provides to the citizens of Brevard.

Sincerely,
Jarrod Whittaker

Stodola, Paul E SAJ

From: Ben Campbell [campben@gmail.com]
Sent: Monday, March 08, 2010 10:30 AM
To: Stodola, Paul E SAJ
Subject: Brevard Mid Reach

NO NO NO

The project hurts the local economy and destroys natural habitat.
The mitigation reef is unproven and may not be effective.
The project is a waste of money, may not be effective, and may even prove dangerous to human lives.

--
Campbell, Benjamin C

Stodola, Paul E SAJ

From: chuck berry [chuk1776@yahoo.com]
Sent: Tuesday, March 09, 2010 8:19 PM
To: Stodola, Paul E SAJ

please dont waste my tax dollars destroying a reef to save a condo , thankyou charles berry

Stodola, Paul E SAJ

From: Adam Riley [crazyguyinthejungle@yahoo.com]
Sent: Thursday, March 11, 2010 2:18 PM
To: Stodola, Paul E SAJ
Subject: dredge and fill project

Hello,

I am writing to voice my disapproval at the Brevard country dredging project. I feel it is a terrible decision that will cost our state millions for nothing more than a wrecked reef and a bruised local economy. I urge you to reconsider this project and decide against it.

Thank you,
Adam Riley

Stodola, Paul E SAJ

From: damy5@juno.com
Sent: Tuesday, March 09, 2010 10:07 PM
To: Stodola, Paul E SAJ
Subject: Against mid-reach sand dredge and fill

To whom it may concern,

Please put me down as against covering the rocks of Satellite Beach and Indian Harbor (mid-reach). I think it is a very poor idea.

Sincerely

David Reid
100 Hilliard Lane
Merritt Island Florida
32952

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<http://www.juno.com/freemail?refcd=JUTAGOUT1FREM0210>

Stodola, Paul E SAJ

From: SubWayJim2@aol.com
Sent: Saturday, February 13, 2010 6:09 PM
To: Stodola, Paul E SAJ
Subject: beach restoration

I am in Favor of adding sand to our beaches in Brevard county.

Stodola, Paul E SAJ

From: Anthony Woolf [anthony.woolf@gmail.com]
Sent: Friday, March 05, 2010 6:39 PM
To: Stodola, Paul E SAJ
Subject: brevard project

This is a horrible project, don't do it. generations will pay the price.

Stodola, Paul E SAJ

From: Burritt Joan [joanburrirt@bellsouth.net]
Sent: Tuesday, March 09, 2010 12:56 PM
To: Stodola, Paul E SAJ
Subject: Dredging off Brevard Beaches.

I am very much against this project. We own a time share in the Florida Keys. After bridge-building in the Florida Keys, it was at least five years before signs of life returned to some areas and I am sure some marine life was permanently altered in both quantity and quality. The waters were murky and in places downright unpleasant for swimming and certainly not fit for diving. I can only imagine what repeated dredging will do to the waters off Brevard!! If tourism is the goal, then keep our beaches and reefs as nature intended--it is the reason people come here to fish, surf and have fun in the water. We will not improve tourism this way, we will destroy it!!

Joan Burrirt

Stodola, Paul E SAJ

From: james thomas [mermen@earthlink.net]
Sent: Sunday, March 07, 2010 8:39 PM
To: Stodola, Paul E SAJ
Subject: Brevard Mid Reach

Sirs,

Do not sacrifice the natural environment of the Florida Coast. We don't have much left. Plans like this are turning Florida into a garbage dump. Stop serving the corporate interests and preserve our coast. This plan is worthless and will cause too much damage to the already fragile Florida Coast.

Thank You,

James Thomas, Stuart Florida

Stodola, Paul E SAJ

From: Tim Riley [timrtiger@hotmail.com]
Sent: Friday, March 05, 2010 7:43 PM
To: Stodola, Paul E SAJ
Subject: Dredge and Fill...NO NO NO!

Please do not ruin some of the best recreational surf spots for miles around. this is not good for us or the nearshore environment.

TIM RILEY TimRTiger@hotmail.com

Stodola, Paul E SAJ

From: Roseanna Ovington [rovington@cfl.rr.com]
Sent: Tuesday, March 09, 2010 10:46 PM
To: Stodola, Paul E SAJ
Subject: Protest Against Brevard Mid Reach

I strongly protest this outrageous breach of our fragile eco system for the below reasons and more:

1. We as stakeholders were left out of process, and have the most to lose.
2. The project hurts the local economy and destroys natural habitat.
3. The mitigation reef is unproven and may not be effective.
4. The project is a waste of money, may not be effective, and may even prove dangerous to human lives.

Please hear my voice and many other concerned citizens.

Thank You,

Roseanna Ovington
Florida resident, homeowner, voter, surfer and Surfrider member

Stodola, Paul E SAJ

From: Czetyrko, Joanna M. [joannacz@ufl.edu]
Sent: Tuesday, March 09, 2010 11:36 PM
To: Stodola, Paul E SAJ
Subject: Brevard Mid-Reach

Please do NOT destroy our reef!

--
Czetyrko, Joanna M.

Feb. 28, 2010

U.S Army Corps of Engineers
Attention Eddie Douglas
Jackson District
P.O. Box 4970
Jacksonville, FL 32232-0019

Majesty Palms
925 Hwy A1A
Satellite Beach FL 32937

Dear Eddie Douglas,

In regards to the Brevard, 2012 Mid-Reach Dune Restoration Project announced at the February meeting held in Melbourne by the U.S. Corps of Engineers please find our concerns and support for the recommended plan to re-nourish our beach area.

Satellite Beach area falls under Reach 5 which means that our section our section of the beach is scheduled for restoration of our dune and ten feet of beach.

The homeowners of the Majesty Palm Condominium support the dune and beach restoration in the Mid Reach section of Brevard County. We have been dealing with this re-nourishment issue ever since our building was constructed in 2001. At that time, Brevard County gave our builder a permit to build at our location, even though the County knew of the Mid-Reach dilemma.

From that moment on we have requested assistance from the U.S. Corp of Engineers, the State of Florida, Brevard County, and Satellite Beach, to help us retain the beach. A beach that is eroding because of work done at Cape Canaveral by the U.S. Corps of Engineers many years ago.

Now, our beach erosion is occurring more quickly since the beach above and below the 7.1 miles of the Mid-Reach area has had full beach re-nourishment.

Again, we are being left out of receiving full beach re-nourishment because of our environmentally protected worm habitats, which ironically only occur when there is beach erosion.

We became inhabitants of this condo just like the worms became inhabitants of the coquina rocks, yet our home is not fully protected by the Federal, State, and local governments. Then why do we pay a premium property tax? To live on a beach that is disappearing right before our eyes?

We have lived through the hurricanes of 2004 and saw for ourselves the destruction that occurred. We saw Hightower Park almost totally submerged underwater and Highway A1A within a few feet of getting washed out. We have seen the walkovers at the park, as well as ours, beings washed out to sea and making it dangerous to get to the beach.

We have seen less turtles nesting on our beach because they can't get through the rocks. We have seen surfers avoid our area for fear of being knocked out by the rocks. We have seen tourists and locals slip on the rocks as they try to make their way out into the ocean.

We appreciate any sand put on our beach and totally support the 2012 dune restoration that was announced to us at the February meeting by the U.S. Corps of Engineers. But the truth is the Mid-reach Section 5 needs full beach re-nourishment! Somewhere in this federal project that is immersed in "red tape," please find a way to make us whole again by providing to our beach what the rest of Brevard County beaches get - Full Beach Renourishment.

Sincerely,


Mary Reingardt
Majesty Palm Resident



Unit 203. Majesty Palm owners



US Army Corps
of Engineers.
Jacksonville District

Comments/ Questions

See Privacy Act Statement on reverse side

EVENT: Brevard County Mid-Reach DATE: Feb. 10, 2010

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MAIL TO: U.S. Army Corps of Engineers, Jacksonville District
P.O. Box 4970, Jacksonville, FL 32232-0019
ATTN: Eddie Douglass

OR EMAIL TO: Brevard.Mid-Reach.Comments@usace.army.mil

COMMENTS/QUESTIONS

THE "TENTATIVE RECOMMENDED
PLAN" FOR THE BREVARD COUNTY
MID-REACH APPEARS TO MEET
THE NEEDS OF PRESERVATION
AND RESTORATION OF THE
BEACH IN THAT AREA. THIS
STRETCH OF BEACH IS HEAVILY
USED AND IS VERY IMPORTANT
TO THE COMMUNITY. THE PLAN
ADDRESSES THE VARIOUS
ENGINEERING AND ENVIRONMENTAL
ISSUES AND WILL GO ALONG
WAY TO PRESERVE THE BEACH,
PREVENT EROSION, AND REPAIR
DAMAGE CAUSED BY STORMS.
WE HEARTILY APPROVE OF
THIS PLAN AND URGE ITS
ADOPTION AND IMPLEMENTATION.

REPRESENTING(Check one)

- ELECTED OFFICIAL
- TRIBAL
- CONGRESSIONAL
- FEDERAL AGENCY
- STATE LEGISLATURE
- STATE AGENCY
- LOCAL GOVERNMENT
- ENVIRONMENTAL
- AGRICULTURE
- GROUP
- SELF
- OTHER

Do you wish to make a statement?

YES NO

Do you wish to have your name included on the mailing list for future information?

YES NO

THIS INFORMATION IS RELEASABLE UNDER THE FREEDOM OF INFORMATION ACT.

CESAD FORM 935, OCT 98

PRIVACY ACT STATEMENT

AUTHORITY: 42 USC 4321, 4331-4335

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CESAD FORM 935, OCT 98

ELIZABETH A AND HARRY KING ELLIOTT
NAME AND TITLE (PLEASE PRINT) OWNERS

SOMERSET #302, 2095 HWY A1A
MAILING ADDRESS

INDIAN HARBOUR BEACH, FL 32937
CITY STATE ZIP CODE

305/271-9708, 305/609-1345
PHONE NUMBER

BTELLIOTT@AOL.COM, HKELLIOTT@AOL.COM
EMAIL ADDRESS



US Army Corps
of Engineers,
Jacksonville District

Comments/ Questions

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COMMENTS/QUESTIONS I AM A
HOMEOWNER - CONDO - IN INDIAN
HARBOUR BEACH ON THE OCEAN
RESIDING AT SOMERSET CONDOS, I
AM ALSO A SURF FISHERMAN WITH
NUMEROUS CATCHES OVER THE PAST 6
YEARS DIRECTLY IN FRONT OF OUR
CONDO. I STRONGLY SUPPORT YOUR
PREFERRED PLAN FOR BREVARD MID-
REACH RENOURISHMENT. OTHER THAN
FOR A FEW WEEKS TIME, YOUR
PROJECT SHOULD NOT HARM OUR FISHING,
BASED ON SEVERAL RENOURISHMENTS
IN RECENT YEARS, THE PROJECT WILL
DEFINITELY BEAUTIFY OUR BEACH AREA
AND IMPROVE OUR ABILITY TO
WALK AND ENJOY THE BEACH. MORE
SAND WILL INCREASE ENJOYMENT
FOR ALL THE KIDS IN THE AREA.
I THANK YOU VERY MUCH
FOR CONDUCTING THE SOUND ENVIRON-
MENTAL STUDY, AND ALSO FOR PROPOSING
A SENSIBLE RENOURISHMENT PLAN

AL POTVIN
NAME AND TITLE (PLEASE PRINT)

2075 HWY A1A, # 2702
MAILING ADDRESS

INDIAN HARBOUR BEACH FL 32937
CITY STATE ZIP CODE

PHONE NUMBER

ARPOTVIN@YAHOO.COM
EMAIL ADDRESS

REPRESENTING(Check one)

- ELECTED OFFICIAL
- TRIBAL
- CONGRESSIONAL
- FEDERAL AGENCY
- STATE LEGISLATURE
- STATE AGENCY
- LOCAL GOVERNMENT
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of Engineers,
Jacksonville District

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COMMENTS/QUESTIONS

As a homeowner residing in an oceanfront condo in Indian Harbour Beach, I strongly support your preferred plan for Brevard mid-Beach Renourishment. I love to walk the Beach at low tide, collect sea shells & observe sea life. My husband is an avid fisherman who catches and releases many fish. I do not believe the renourishment will hamper these activities, other than for a few weeks time before the murky water clears. Based on my experience with other renourishment projects in the area in recent years, the Brevard Renourishment plan will enhance the beauty of our beach and improve our ability to walk and enjoy the beach. Replenishing the sand will benefit many beach goers in the area.

Thank you very much for conducting this sound environmental study and for proposing a sound renourishment plan.

Janet H. Potvin
NAME AND TITLE (PLEASE PRINT)

2075 Hwy A1A # 2703
MAILING ADDRESS

Indian Harbour Beach FL 32937
CITY STATE ZIP CODE

PHONE NUMBER

JHPotvin@yahoo.com
EMAIL ADDRESS

REPRESENTING(Check one)

- ELECTED OFFICIAL
- TRIBAL
- CONGRESSIONAL
- FEDERAL AGENCY
- STATE LEGISLATURE
- STATE AGENCY
- LOCAL GOVERNMENT
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Do you wish to make a statement?

YES NO

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CESAD FORM 935, OCT 98

EASTWIND CONDOMINIUM ASSOCIATION

1455 Highway A1A, Satellite Beach, FL 32937-5410
(321) 773-9313

February 17, 2010

TO: U.S. Army Corps of Engineers, Jacksonville District

FROM: Eastwind Condominium Association
1455 Highway A1A
Satellite Beach, FL 32937

RE: Brevard County Mid-Reach Project

Since the devastating hurricanes of 2004, our oceanfront condo association has worked very hard to rebuild and maintain our dunes and oceanfront beach.

We have used our own monies, our own volunteer help and worked willingly with all agencies and groups to improve our beaches, until a final beach restoration solution is reached.

We are committed to continue our efforts and support the process as you move toward a long term resolution.

On your next visit to our area we invite you to inspect our ongoing efforts.

Thank you.



US Army Corps
of Engineers.
Jacksonville District

Comments/ Questions

See Privacy Act Statement on reverse side

EVENT: Brevard County Mid-Reach DATE: Feb. 10, 2010

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P.O. Box 4970, Jacksonville, FL 32232-0019
ATTN: Eddie Douglass

OR EMAIL TO: Brevard.Mid-Reach.Comments@usace.army.mil

COMMENTS/QUESTIONS _____

I am in favor
of the proposal
for Brevard County
Mid-Reach area.

Audrey Stein

AUDREY STEIN
NAME AND TITLE (PLEASE PRINT)

2065 HIGHWAY A1A
MAILING ADDRESS

INDIAN HARBOUR BEACH FL 32937
CITY STATE ZIP CODE

321-777-2521
PHONE NUMBER

EMAIL ADDRESS



US Army Corps
of Engineers.
Jacksonville District

Comments/ Questions

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COMMENTS/QUESTIONS Why was

the City of Satellite Beach
not informed of this
meeting? Kept in the
dark - This project
impacts several miles
of the city's beach front.

What representative
from was there
to "represent"?

Bob McCarry - Beach front condo
NAME AND TITLE (PLEASE PRINT) owner

TRAVELER
MAILING ADDRESS

1455 BIRN 512 Fla 32937
CITY STATE ZIP CODE

Satellite Beach

PHONE NUMBER

EMAIL ADDRESS



US Army Corps
of Engineers.
Jacksonville District

Comments/ Questions

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COMMENTS/QUESTIONS

Court records that date
Back many years ago indicate
erosion south of Cape
Canaveral was caused by
the building of the jetty.
The Mid reach project is
imperative to reduce the
damages caused by this
erosion which has been
compounded by coastal storms.
We must protect shore front
structures along the Mid
reach beach with the
same tenacity as we are
doing in the South Beach
area of Indian Harbour
Beach. The Mid reach beach
has four major hotels that
are vital to tourism, small
businesses jobs and the
preservation of the Brevard
economy. Dollars spent for
dune protection will maintain
our recreational beach and
protect environmental quality.

Mr. Mrs Anthony Loizzo
NAME AND TITLE (PLEASE PRINT)

1665 Highway A1A
MAILING ADDRESS 1

Satellite Beach FL 32937
CITY STATE ZIP CODE

321-7731296
PHONE NUMBER

Tloizzo@aol.com
EMAIL ADDRESS



US Army Corps
of Engineers.
Jacksonville District

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COMMENTS/QUESTIONS

IN 2004 MID-REACH
WAS PROMISED A
SOLUTION TO ITS EROSION
PROBLEM - AFTER CORPS'
5-YEAR STUDY.
NOW, 2010, WE'RE
PROMISED A SOLUTION
IN 2012!!!
WHEN DOES THE "PROMISE"
BECOME A REALITY.
OUR-TIME RESIDENTS
TOLD US 50 YEARS AGO THEY
COULD DRIVE ON THE
MID-REACH BEACHES. WHERE
WAS THIS "WORM" THAT
ENVIRONMENTALISTS WORRY
ABOUT? & THE WHEREABOUTS
OF THE COQUINE ROCK?
IF NOTHING SUBSTANTIAL
IS DONE, IT SURVEYED
THE BEACH RESIDENTS ARE
ROUGHLY 7000+ RESIDENTS
WOULD FACE "RELOCATION".

JOHN T. BELL, Ret.
NAME AND TITLE (PLEASE PRINT)

2805 N. AIA (#304)
MAILING ADDRESS

INDIALANTIC FL 32903
CITY STATE ZIP CODE

(321) 777-9913
PHONE NUMBER

EMAIL ADDRESS



US Army Corps
of Engineers.
Jacksonville District

Comments/ Questions

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ATTN: Eddie Douglass

OR EMAIL TO: Brevard.Mid-Reach.Comments@usace.army.mil

COMMENTS/QUESTIONS

IT'S A START BUT MUCH
MORE IS NEEDED. WE'VE
PAID 18 100,000 IN PROPERTY
TAX OVER 5 YRS FOR A
VACANT RESIDENTIAL LOT.
PLEASE HELP US PROTECT
THIS INVESTMENT!

BEACH FILL SHOULD NOT
DIFFER FROM
COCOA BEACH OR SOUTH
BEACHES.

Ann Moosman
NAME AND TITLE (PLEASE PRINT)

DOB 254005
MAILING ADDRESS

Patrick AFB FL 32925
CITY STATE ZIP CODE

321-799-4919
PHONE NUMBER

MOOSMAN@EARTHLINK.NET
EMAIL ADDRESS



US Army Corps
of Engineers.
Jacksonville District

Comments/ Questions

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COMMENTS/QUESTIONS

① North Beach, South Beach & Mid Reach should be treated as ① Beach w/ same fill reqs. N&S are a 50-75 ft Mid reach is only 10-20 ft or 0 ft

② Concern over 'rock bottom' do not reflect actual 'natural beach status. Historically all these rocks were covered. They are there only because of erosion.

③ Thanks for this 'start' but much more is needed to protect \$100s of \$M & provide economic benefit

STEVEN MOOSMAN

NAME AND TITLE (PLEASE PRINT)

POB 254005

MAILING ADDRESS

PATRICK AFB

FL 32925

CITY

STATE

ZIP CODE

321-799-4919

PHONE NUMBER

MOOSMAN@EARTHLINK.NET

EMAIL ADDRESS



US Army Corps
of Engineers.
Jacksonville District

Comments/ Questions

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COMMENTS/QUESTIONS

This will create seven miles of recreational bathing beaches. Where there exists bathing beaches, dune crossovers are constructed at short city block intervals to allow access to beach users.

This access was not provided when this beach area was covered with coquina rock. How will bathers get to this new swimming area.

Note: this covering of the coquina rock was done in the 1980's and a November storm washed all of the deposited sand away.

Note: Owners bought beachfront property at cheap prices because the beach had limited use. This change will greatly increase the value of their property. It would be easy to calculate a value so that they could contribute a prorated amount.

William M. Carmichael (beach resident)
NAME AND TITLE (PLEASE PRINT)

555 Fillmore Av. #603
MAILING ADDRESS

Cape Canaveral FL 32920
CITY STATE ZIP CODE

(321) 784-1926
PHONE NUMBER

EMAIL ADDRESS



US Army Corps
of Engineers.
Jacksonville District

Comments/ Questions

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COMMENTS/QUESTIONS

I HIGHLY SUPPORT THE
MID REACH PLAN

FRANK IENNACO
NAME AND TITLE (PLEASE PRINT)

1831 HWY 9A #3202 INDIAN HARBOR BEACH FL 32937
MAILING ADDRESS

INDIAN HARBOR BEACH FL 32937
CITY STATE ZIP CODE

321-773-9069
PHONE NUMBER

F IENNACO@HOTMAIL.COM
EMAIL ADDRESS

U.S Army Corps of Engineers
Attention Eddie Douglas
Jackson District
P.O. Box 4970
Jacksonville, FL 32232-0019

Majesty Palms
925 Hwy A1A
Satellite Beach Fl 32937

Dear Eddie Douglas,

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Satellite Beach area falls under Reach 5 which means that our section our section of the beach is scheduled for restoration of our dune and ten feet of beach.

The homeowners of the Majesty Palm Condominium support the dune and beach restoration in the Mid Reach section of Brevard County. We have been dealing with this re-nourishment issue ever since our building was constructed in 2001. At that time, Brevard County gave our builder a permit to build at our location, even though the County knew of the Mid-Reach dilemma.

From that moment on we have requested assistance from the U.S. Corp of Engineers, the State of Florida, Brevard County, and Satellite Beach, to help us retain the beach. A beach that is eroding because of work done at Cape Canaveral by the U.S. Corps of Engineers many years ago.

Now, our beach erosion is occurring more quickly since the beach above and below the 7.1 miles of the Mid-Reach area has had full beach re-nourishment.

Again, we are being left out of receiving full beach re-nourishment because of our environmentally protected worm habitats, which ironically only occur when there is beach erosion.

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We have seen less turtles nesting on our beach because they can't get through the rocks. We have seen surfers avoid our area for fear of being knocked out by the rocks. We have seen tourists and locals slip on the rocks as they try to make their way out into the ocean.

We appreciate any sand put on our beach and totally support the 2012 dune restoration that was announced to us at the February meeting by the U.S. Corps of Engineers. But the truth is the Mid-reach Section 5 needs full beach re-nourishment! Somewhere in this federal project that is immersed in "red tape," please find a way to make us whole again by providing to our beach what the rest of Brevard County beaches get - Full Beach Renourishment.

Sincerely,

A handwritten signature in cursive script that reads "Bradley Bonner". The signature is written in black ink and is positioned below the word "Sincerely,".

Majesty Palm Resident

U.S Army Corps of Engineers
Attention Eddie Douglas
Jackson District
P.O. Box 4970
Jacksonville, FL 32232-0019

Majesty Palms
925 Hwy A1A
Satellite Beach FL 32937

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Sincerely,

A handwritten signature in black ink that reads "E. Bailey Mochel #301". The signature is written in a cursive style with a large initial "E" and a stylized "Mochel".

Majesty Palm Resident

U.S Army Corps of Engineers
Attention Eddie Douglas
Jackson District
P.O. Box 4970
Jacksonville, FL 32232-0019

Majesty Palms
925 Hwy A1A #402
Satellite Beach FL 32937

Dear Eddie Douglas,

In regards to the Brevard, 2012 Mid-Reach Dune Restoration Project announced at the February meeting held in Melbourne by the U.S. Corps of Engineers please find our concerns and support for the recommended plan to re-nourish our beach area.

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Sincerely,



Majesty Palm Resident

LARRY & GEANIE BIRCH

U.S Army Corps of Engineers
Attention Eddie Douglas
Jackson District
P.O. Box 4970
Jacksonville, FL 32232-0019

Majesty Palms
925 Hwy A1A
Satellite Beach Fl 32937

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Sincerely,

A handwritten signature in cursive script that reads "Sidney & Nancy Shaw". The signature is written in black ink and is positioned below the word "Sincerely,".

Majesty Palm Resident

U.S Army Corps of Engineers
Attention Eddie Douglas
Jackson District
P.O. Box 4970
Jacksonville, FL 32232-0019

Majesty Palms
925 Hwy A1A
Satellite Beach Fl 32937

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Sincerely,

Sarahy Katoale's Philips & Constance 2 Philips

Majesty Palm Resident

U.S Army Corps of Engineers
Attention Eddie Douglas
Jackson District
P.O. Box 4970
Jacksonville, FL 32232-0019

Majesty Palms
925 Hwy A1A
Satellite Beach Fl 32937

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Sincerely,

A handwritten signature in cursive script that reads "Edward J. Bayles". The signature is written in black ink and is positioned below the word "Sincerely,".

Majesty Palm Resident

U.S Army Corps of Engineers
Attention Eddie Douglas
Jackson District
P.O. Box 4970
Jacksonville, FL 32232-0019

Majesty Palms
925 Hwy A1A
Satellite Beach Fl 32937

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Sincerely,

A handwritten signature in cursive script that reads "Bill & Mary Ann Jones". The signature is written in black ink and is positioned above the typed name.

Majesty Palm Resident

U.S Army Corps of Engineers
Attention Eddie Douglas
Jackson District
P.O. Box 4970
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Majesty Palms
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Satellite Beach Fl 32937

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Sincerely,

A handwritten signature in cursive script that reads "Brenda Conner".

Majesty Palm Resident

U.S Army Corps of Engineers
Attention Eddie Douglas
Jackson District
P.O. Box 4970
Jacksonville, FL 32232-0019

Majesty Palms
925 Hwy A1A
Satellite Beach FL 32937

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A handwritten signature in cursive script that reads "Donna R. Smith". The signature is written in dark ink and is positioned below the word "Sincerely,".

Majesty Palm Resident



US Army Corps
of Engineers.
Jacksonville District

Comments/ Questions

See Privacy Act Statement on reverse side

EVENT: Brevard County Mid-Reach DATE: Feb. 10, 2010

CHECK ONE: OFFICIAL COMMENT GENERAL QUESTION
(Comment WILL be included in the final report) (Comment WILL NOT be included in the final report. Informational only.)

MAIL TO: U.S. Army Corps of Engineers, Jacksonville District
P.O. Box 4970, Jacksonville, FL 32232-0019
ATTN: Eddie Douglass

OR EMAIL TO: Brevard.Mid-Reach.Comments@usace.army.mil

COMMENTS/QUESTIONS I had attended
the above meeting. The program
as stated should be an asset
to all concerned parties. The
beach replenishment should be a
benefit to the turtles. It
appears that the number of turtles
has decreased, due to the
infringement of the ocean to the
dune area. The artificial reef
should help prevent erosion, and
have little affect for surfing.
This reef will also support marine
life. Since our beaches are an
attraction for tourist, this project
would continue to be an economic
plus for local business's and
rental units. It would also
prevent a decline in real estate
values, that would affect real
estate taxes.

Theodore Hesser

NAME AND TITLE (PLEASE PRINT)

2055 Hwy A1A Apt 508

MAILING ADDRESS

Indian Harbour Beach FL 32937

CITY

STATE

ZIP CODE

609.226.1325

PHONE NUMBER

TSHesser@AOL.Com

EMAIL ADDRESS