

Transcript of the Testimony of **IMO: Installation
of Terminal Groin / BHI, NC**

Date: March 4, 2014

Volume: I

Aurelia Ruffin & Associates, Inc.
Phone: 910 343 1035
Email: pbruffiniii@att.net
Internet: www.peterruffin.com

STATE OF NORTH CAROLINA

COUNTY OF BRUNSWICK

IN RE:

AVAILABILITY OF THE DRAFT)
 ENVIRONMENTAL IMPACT STATEMENT)
 FOR THE INSTALLATION OF A TERMINAL) TRANSCRIPT
 GROIN STRUCTURE AT THE WESTERN END)
 OF SOUTH BEACH, BALD HEAD ISLAND)

PUBLIC HEARING
 US ARMY CORPS OF ENGINEERS
 WILMINGTON DISTRICT
 CORPS ACTION ID #SAW-2012-00040

REPORTER BY:

PETER B. RUFFIN, III, Notary Public and Court Reporter

AURELIA RUFFIN & ASSOCIATES, INC.

215 South Water Street, Unit 104

Post Office Box 2025

Wilmington, North Carolina 28402-2025

pbruffiniii@att.net

www.peterruffin.com

TELEPHONE: 910 343-1035

DATE: March 4, 2014

LOCATION: Southport, North Carolina

1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16
17
18
19
20
21
22
23

APPEARANCES

U.S. Army Corps of Engineers Representatives:

Colonel Steven A. Baker, Wilmington District Commander

Mr. Scott McLendon, Regulatory Division Chief

Mr. Ronnie Smith, Project Manager

N.C. Division of Coastal Management Representatives:

Mr. Doug Huggett

Ms. Debbie Wilson

Also in Attendance:

Mr. Christian Preziosi, Land Management Group, Inc.

This Public Hearing was held on March 4, 2014, at the International Longshoreman's Association Hall, 210 West 10th Street, Southport, North Carolina, pursuant to 33 CFR 230 and 40 CFR 1500 outlining requirements for compliance with the National Environmental Policy Act.

1 COL. BAKER: Ladies and gentlemen, we're
2 getting ready to start here in a second. So, would you
3 please take your seats and we'll get going. We're
4 running a little bit tardy already, I apologize.

5 Good evening, everyone. I'm Colonel Steve
6 Baker. I'm the Commander District Engineer of the
7 Wilmington District of the U.S. Army Corps of Engineers
8 and I'm very pleased to be your host tonight. We are
9 going to start the meeting for the Bald Head Island
10 proposed terminal groin.

11 This is going to be a public hearing and I
12 want to start off by introducing the head table up here.
13 First of all to my right we have Ronnie Smith, the
14 project manager from our Wilmington Regulatory Field
15 Office. To his right Scott McLendon, our Regulatory
16 Division Chief.

17 Across the aisle we have Doug Huggett from the
18 North Carolina Division of Coastal Management. To his
19 right is Debbie Wilson also from the North Carolina
20 Division of Coastal Management. And finally Mr.
21 Christian, I'm going to say this right, Preziosi.

22 MR. PREZIOSI: Preziosi.

23 COL. BAKER: Preziosi, yeah, from the Land

1 Management Group, Incorporated. Before we begin I'm
2 going to make sure that we recognize any elected
3 officials in the audience. We have one standing up
4 already over here. Please identify yourself.

5 MS. SMITH: Debbie Smith, Ocean Isle Beach.

6 COL. BAKER: We got some more.

7 MR. SAYRE: Andy Sayre, Bald Head Island.

8 COL. BAKER: We got some more.

9 MR. SIMMONS: Harry Simmons, Caswell Beach.

10 COL. BAKER: Is there any more hiding back
11 there?

12 MS. SYLES: Pat Syles, Brunswick County.

13 MR. RABON: Bill Rabon, North Carolina
14 Senate.

15 COL. BAKER: Excellent. Any more in the
16 back? Mickey, you're not elected to anything yet, I'm
17 telling you. All right, thank you for your
18 participation as well.

19 And at this time I'm going to explain the
20 purpose of the hearing and then we'll get on with our
21 business. The purpose of tonight's public hearing is
22 defined by the 33 Code of Federal Regulations 327.3
23 which states that a public hearing may be held for the

1 purpose of acquiring information or evidence which will
2 be considered in evaluating a Department of Army permit
3 action which affords the public an opportunity to
4 present their views, opinions, and information on such
5 permit action.

6 It is important to note that this public
7 hearing is not a question and answer session.

8 Information gathered at the public hearing will be used
9 to develop a final EIS, Environmental Impact Statement,
10 for this project. Please note that the Corps is neither
11 a component nor opponent to the proposed project.

12 Following the preparation of the final
13 environmental impact statement, a record of decision
14 will be prepared to support the Corps' decision on this
15 project. We invite your comments on this project
16 tonight.

17 Now, you know, this is one of the few events
18 where we get to have, you know, democracy take place and
19 that's a good thing. So, we're going to -- you don't
20 have to speak at one of these events either. You can
21 always send in your written comments. You don't have to
22 speak at the event. But if you do, you're going to come
23 to the podium and you're going to speak as clearly as

1 you can from the podium.

2 We're going to have a -- again, it's not a
3 question and answer session. We invite you to come to -
4 - when your name is called, and we have a list of that,
5 we'll be calling names and each person has an allotted
6 five minutes to speak which we can probably be a little
7 bit gracious for tonight if you go a little bit over
8 because we're not terribly crowded. A timekeeper will
9 signal if we get too out of control, but I don't think
10 we will.

11 Please speak loudly enough for our friendly
12 neighborhood court reporter here to hear you so that he
13 can accurately get your comments because that's what
14 it's all about, making sure that we accurately record
15 your comments so that it gets into the public record.
16 All right?

17 So, at this point I'm going to invite my
18 friend Scott to give an overview of the regulatory
19 program and address NEPA Section 10, Rivers and Harbors
20 Act, and Section 404, Clean Water Act. So, Scott,
21 please take it away.

22 MR. MCLENDON: And I'm not going to take the
23 rest of the evening to do that although I could. So, as

1 Colonel Baker mentioned, this is a very important part
2 of our process, inviting the public in to offer comment
3 on the project.

4 So far as the Corps of Engineers Wilmington
5 District Regulatory Division is concerned, we operate
6 under two authorities. One of those is Section 10 of
7 the Rivers and Harbors Act of 1899, and that is a very
8 old navigational fortitude law that we have the
9 authority to issue permits for and we act a lot on
10 behalf of Colonel Baker here.

11 The other authority is the one that everybody
12 loves to hate, Section 404 of the Clean Water Act, has
13 to do with wetlands and streams. Since both of those
14 resources are present in the proposed project area where
15 the terminal groin may be going, we have to be involved
16 with the permit review of that. Okay.

17 Once the federal agency is involved, the Corps
18 of Engineers Regulatory Division, we have to comply with
19 lots of other statutes. One of those is the National
20 Environmental Policy Act and that is the reason we're
21 here tonight is to invite your comment on this in the
22 development of the EIS.

23 And just to I guess emphasize what Colonel

1 Baker said, too, to us this is a very important part of
2 our process because ours is not a process where Ronnie
3 Smith goes into a room and makes a decision in a vacuum.
4 He invites the comments of all the agencies -- he
5 invites the comments of all the agencies. He invites
6 the comments of the public at this forum tonight which
7 you're allowed to voice your opinions and thoughts on
8 the project.

9 And then we will go back and evaluate those
10 comments relative to the applicant's proposal and in so
11 doing balance the applicant's need for the project,
12 which is stated to protect some of the infrastructure on
13 the south end of Bald Head Island, very important. And
14 we must balance that proposal against the reasonably
15 foreseeable detriments that might occur as a result of
16 the project.

17 So, the Corps of Engineers is charged with
18 this balancing act where we take the potential
19 environmental impacts, which can be good or bad, against
20 the potential detriments associated with the project.
21 So, that's sort of the first major step that we do and
22 that's called public interest. We are talking about a
23 public resource out there so we have to consider the

1 needs and the welfare of the nation.

2 The second part of that equally as important
3 is looking at alternatives to the proposed action and
4 that really forms the meat as it is of the EIS. And so
5 the applicant has proposed constructing a terminal
6 groin. We will as a requirement of NEPA and the
7 404(b)(1) guidelines also look at other alternatives
8 that may satisfy the applicant's purpose and need for
9 the project. And it's a really, really important part
10 of our process. And, again, going back the public is
11 invited to comment on that as well.

12 That's it in a nutshell. Again, this is a
13 very important part of our process. And on behalf of
14 the District I'd like thank you all for being here
15 tonight.

16 Ronnie Smith?

17 MR. SMITH: Thank you, Scott. Hello. My
18 name is Ronnie Smith. I'm the Wilmington Field Office
19 Regulatory Project Manager for the Village of Bald Head
20 Island Shoreline Stabilization Project.

21 My name is Ronnie Smith. Sorry about that. I
22 work in the Corps Wilmington Regulatory Field Office. I
23 am the Project Manager designated responsible for this

1 project that we're meeting here tonight.

2 There's a few things I'd like to bring to your
3 attention. Our NEPA process will be closely coordinated
4 with the North Carolina Division of Coastal Management
5 and we'll be streamlining our process with the State
6 Environmental Policy Act so we're not duplicating
7 efforts and hopefully come up with a speedier process,
8 more efficient process.

9 Second I'd like to point out the contact
10 information up here on this screen. My email address is
11 there, mailing address. All comments -- you can either
12 provide comments by mail or by email. Our website you
13 can look at the draft environmental impact statement and
14 our public notice on the Corps website at that link
15 right there.

16 As Scott and the Colonel have mentioned, we
17 are not a proponent or opponent of the project. We are
18 going to process this action according to the NEPA
19 reviewing all public interest review factors and we're
20 going to make sure that the alternative that is selected
21 is the least environmentally practical damaging
22 alternative.

23 The comment period is set to expire on March

1 17th, 2014. So, please have your comments in to me on
2 or before that date. The comments that we get in
3 response to the draft environmental impact statement and
4 public notice will be taken into consideration and they
5 will used -- they will be addressed in the final
6 environmental impact statement. When we release the
7 final environmental impact statement, the public will be
8 afforded the opportunity to comment again on the
9 project.

10 That concludes my section. I would like to
11 introduce Doug Huggett with DCM.

12 MR. HUGGETT: And if everybody is okay with
13 this, nobody wants to look at me standing up. I feel
14 more comfortable sitting down. So, thank you, Harry, I
15 appreciate that.

16 I am Doug Huggett with the Division of Coastal
17 Management located in Morehead City. The Division of
18 Coastal Management has been very involved in this
19 process to get us to where we are now and working with
20 the Corps of Engineers, Christian and Land Management
21 Group, and the Village of Bald Head Island.

22 The context of our involvement is under the
23 State's Coastal Area Management Act. And as many people

1 may know, under the Coastal Area Management Act until
2 just a couple of years ago a structure such as what is
3 being proposed today by the Village would not have been
4 allowable under State law. But the law has been changed
5 by the Legislature to allow for the permitting of up to
6 four terminal groin structures and this is, of course,
7 one of the four projects that's in the hopper right now.

8 We are, again, heavily involved with the Corps
9 of Engineers in the development of the environmental
10 document. As Ronnie stated, the legislation that was
11 passed to allow for the terminal groins require that a
12 EIS or environmental impact statement under the State
13 Environmental Policy Act or SEPA is required.

14 But the SEPA law actually allows for a
15 consolidation of the SEPA and National Environmental
16 Policy Act reviews, which is what we have done here to
17 try and streamline the efforts so that the applicant
18 only has to prepare one environmental document instead
19 of two.

20 The draft environmental impact statement is
21 still out for public comment. But if I remember
22 correctly, the State's comment period on the draft
23 environmental impact statement has ended and I believe

1 those comments have been provided back to the Corps of
2 Engineers.

3 So, the State has commented back on that and
4 at this point in time we are beginning to work with the
5 Village on the submission of a permit application for
6 the terminal groin structures. This is the earliest in
7 the process that an application can be entertained and
8 we are working with the Village on that.

9 The public will have an opportunity a little
10 bit later in the CAMA permit application process to
11 comment through our public notice provisions. There
12 will not be a public hearing under the CAMA Act itself.
13 But there will be a public notice provision that will
14 give the public an opportunity to comment back to us.

15 Again, really the biggest thing to say here is
16 that we have been working very closely with the Corps of
17 Engineers in partnering on this project. And while we
18 are still learning how to go about the permitting of
19 terminal groin structures, we are committed to keep
20 working with the Corps of Engineers and the Village and
21 move forward just as quickly as we can.

22 And if anybody has any questions about the
23 CAMA side of things, either see myself or Debbie Wilson,

1 who is the district manager for our Wilmington Regional
2 Office. After the meeting we'd be happy to give you
3 contact information and any other advice that we can.

4 COL. BAKER: Thank you, Doug. We appreciate
5 it and we appreciate your partnership.

6 At this point we're going to turn the briefing
7 over for ten or 15 minutes or so to Mr. Christian. I'm
8 not trying that last name again. And we invite his
9 briefing at this point. Thanks.

10 MR. PREZIOSI: Thank you, Colonel. Thank you,
11 everyone, for attending tonight's hearing.

12 I just wanted to provide a brief overview of
13 the project including the -- restating the project
14 purpose, listing the project alternatives that were
15 considered in the draft EIS, reviewing the proposed
16 action or the preferred alternative, which is the
17 terminal groin, that's the preferred alternative of the
18 applicant, briefly describe the general characteristics
19 of the terminal groin, some of the design and
20 construction considerations, as well as discuss the
21 proposed phasing approach.

22 The project purpose as stated in the draft EIS
23 is to address the ongoing and chronic erosion of the

1 western end of South Beach to thereby protect public
2 infrastructure, roads, homes, businesses, rental
3 properties, the golf course, beaches, recreational
4 assets, and protective dunes.

5 Early on during PDT meetings, project delivery
6 team meetings, a list of alternatives was identified.
7 And these six alternatives were advanced to the draft
8 EIS. They include the no action alternative or the
9 status quo alternative, the alternative number two,
10 which is the managed shoreline retreat alternative.

11 Alternative number three is beach nourishment
12 alone with the existing sand tube groinfield to remain
13 along South Beach. Alternative four is the same as
14 alternative three with the exception of the removal of
15 groinfield.

16 Alternative five again is the proposed action,
17 which is the terminal groin with the required sand
18 fillet and the groinfield to remain in place. And
19 alternative number six is the same as number five with
20 the exception of the removal of the groinfield. So,
21 those are the six alternatives that were evaluated in
22 the draft EIS.

23 This is an oblique image of the vicinity of

1 the project area with the federal navigation channel.
2 This is the entrance to the Wilmington Harbor navigation
3 project or the Cape Fear River mouth. The project area
4 on South Beach, western South Beach, with some of the
5 prominent ebb tidal shoals evident middle ground, Jay
6 Bird Shoals and Bald Head Shoal.

7 This is another oblique image, aerial image,
8 with the pictometry overlaid of the navigation channel.
9 Adjacent is Bald Head Island. This is a view looking
10 south with West Beach in the foreground, the point
11 feature, and then the project area in the background
12 there. That's South Beach and this is the approximate
13 area of the proposed terminal groin.

14 So, some of the goals that were identified by
15 the applicant were to reduce sand losses from beach
16 nourishment and beach disposal projects and to provide a
17 template for a shoreline alignment conducive to reducing
18 sediment transport and to reducing shoreline recession
19 in the area of interest on western South Beach.

20 The engineer and the Village proposes to
21 install a maximum 1,900 foot terminal groin. Again,
22 this is South Beach, West Beach, and the point right
23 here and the Harbor Entrance Channel. And the terminal

1 groin, again, is proposed to be a maximum 1,900 feet.
2 It is proposed to be constructed in two phases with a
3 350 foot tie back section that would be constructed
4 entirely in the dry, a stem section that's about 1,200
5 linear feet, and then a head section of 300 feet.

6 Under the maximum extent the full Phase II
7 project the structure would extend approximately 700
8 feet off of the mean low water position of 2013.

9 This is an aerial image showing the
10 approximate location and extent of the proposed groin.
11 Relative to both the eroded shoreline condition in this
12 April 2011 photo you can see the sand tubes of the
13 groinfield. Again, that's the eroded condition.

14 It also shows it relative to the nourished
15 condition. This case example was from the 2009-2010
16 Village sponsored project that utilized sand derived
17 from the Jay Bird Shoals borrow site. So, you can see
18 the relative extent of the terminal groin relative to
19 both shoreline positions.

20 This is the same image with a conceptual
21 fillet in place. As a requirement of SB 151 and also
22 from an engineering standpoint it is desirable to have a
23 sand fillet in place and this shows the equilibrated --

1 predicted equilibrated shoreline post construction. And
2 the engineers indicated -- by the way, a lot of these
3 slides were produced by Erik Olsen, the project
4 engineer. He couldn't be here tonight so I'm just
5 giving an overview.

6 But Erik has shown the sediment transport
7 direction. The groin is intended to be a permeable
8 structure in that some sediment sand will be able to
9 move both through and over the groin.

10 Olsen Associates conducted intensive numerical
11 modeling to help validate the different design options.
12 They reviewed and considered several different design
13 options for the terminal groin as well as other
14 alternatives including the five other alternatives in
15 the EIS.

16 So, the Delft 3-D evaluates different forcing
17 conditions - waves, currents, winds. And they are able
18 to predict relative performance of the different
19 options, different design options and different
20 alternatives. And then from that they can identify the
21 potential physical effects of each design option or each
22 alternative and be able to compare those potential
23 physical impacts on both the local and regional level.

1 From the Delft 3-D modeling Olsen, the
2 engineer, is able to predict the sediment transport
3 rates with the shoreline realigned and the terminal
4 groin in position. On the top right is the existing
5 sediment transport rates. You'll see in the vicinity of
6 the most severe erosion, western South Beach, sediment
7 transport rates are 440,000 cubic yards per year. With
8 the installation of the groin and the predicted
9 shoreline alignment the sediment transport rate is
10 reduced down to 164,000 cubic yards per year.

11 These are some of the different considerations
12 that the applicant had with respect to the project and
13 construction. The Village proposes to construct a groin
14 coincidental with the next federal disposal event. So,
15 that's the disposal from the maintenance of the federal
16 navigation channel that's adjacent to the project area.

17 The federal disposal would ideally satisfy the
18 fillet formation that's desirable from an engineering
19 standpoint and also which is required by legislation,
20 Senate Bill 151. Because the construction would occur
21 post disposal, the terminal groin construction, much of
22 the construction would occur and extend into the summer
23 months.

1 If there is any need for supplemental sand for
2 the fillet or for future maintenance, then the Village
3 proposes to obtain that sand principally from the Jay
4 Bird Shoals borrow site and that's a borrow site that
5 was delineated in 2009, 2010, a portion of which was
6 used for the project, the Village sponsored project, at
7 that time.

8 This slide shows the different prospective
9 sand source sites with Jay Bird Shoals being the
10 principle source site for any supplemental fillet needs
11 and for initial maintenance. Again, this is Jay Bird
12 Shoals is the ebb tidal shoal feature that with the
13 previously delineated and utilized borrow area at the
14 very distal end of the shoal. So, this represents a
15 relatively small area along the distal end of that shoal
16 feature.

17 They've also identified the Wilmington Harbor
18 Entrance Channel, Bald Head Shoals Channels 1 and 2, the
19 Smith Island Range, as well as the Bald Head Creek Shoal
20 for potential maintenance needs as well as Frying Pan
21 Shoals as a long term source for maintenance and any
22 mitigation that may be needed.

23 As far as the construction of the terminal

1 groin it's intended to be a rubble mound structure with
2 uniformly sized stone that would be overlaid over a
3 marine geotextile mattress.

4 The landward stem of the structure would be
5 constructed in the dry with the seaward portion of the
6 structure being constructed through different methods
7 either from the top of the structure itself or from a
8 temporary trestle that would be installed alongside the
9 structure or from offloading materials and stone off a
10 barge. Either way material would be stockpiled in a
11 confined area near the point and distributed from there.

12 This is a schematic that Olsen provided just
13 showing in the event that a trestle is used, this is a
14 schematic of how it would be installed with steel pipe
15 pile adjacent to the proposed groin structure. Again,
16 he's got the marine mattress shown with the rubble mound
17 over top of the marine mattress.

18 This is a case example that was worked on by
19 Olsen. Erik did the design of this project and was
20 responsible for construction oversight. This is South
21 Amelia Island, a terminal structure, rubble mound
22 structure, in a case where they built this using a
23 temporary trestle. And that's shown immediately

1 alongside the terminal groin.

2 The project is proposed to be constructed in
3 two phases, Phase I and Phase II. It assumes that the
4 federal disposal will be similar as occurred in 2013
5 with no fill westward of station 45 on western South
6 Beach. Certain construction and mobilization can occur
7 prior to and concurrent with the federal beach disposal.
8 Much of the construction of the terminal groin though
9 would be post disposal. And the structure cross section
10 can be brought to its design elevation incrementally.

11 This slide shows the extent of the two phases
12 with Phase I being 1,300 linear feet extending about 300
13 feet off the mean low water position. And then Phase II
14 would be an extension of 600 feet more or less and it
15 extends in curvilinear alignment off of western South
16 Beach and extends approximately 650 feet off the mean
17 low water position.

18 This is the same slide showing the two
19 predicted shoreline alignments post fillet formation.
20 Again, for phase one the shoreline alignment is shown in
21 blue. And then for phase two the predicted shoreline
22 alignment is shown in red.

23 The benefits of a phase approach include a

1 shorter period of construction initially for Phase I.
2 In addition, installation of just a Phase I structure
3 would likely not require the use of a trestle. It would
4 necessitate a smaller initial fill volume and,
5 therefore, likely preclude the need for an additional
6 sand source site initially.

7 In addition, installation of just a Phone I
8 structure initially would allow for more rapid
9 activation of sand transport. So, it would allow for
10 sediment transport beyond the structure more quickly.

11 So, in summary the applicant's preferred
12 alternative is the terminal structure with periodic
13 beach fill or beach disposal with the existing sand tube
14 groinfield to be left in place. Again, this is
15 alternative five of the draft EIS. It is the position
16 of the applicant and its engineer that the sand tube
17 groinfield should remain until various groins are proven
18 unnecessary.

19 It's also believed that adequate sand sources
20 are available for fillet maintenance and mitigation over
21 the life of the project. And the applicant desires to
22 construct the project in two phases.

23 COL. BAKER: Thank you, Christian. At this

1 point it's time for the public's involvement which is
2 what we came here for. And I'm going -- I only had
3 right now unless there's people that came in late that
4 wish to speak, anybody that came in late that wanted to
5 be on the speaking list? No? Okay, I tried.

6 We do have three people that wish to speak
7 tonight and I want to emphasize that when you come up,
8 just stand at the podium so that our friendly
9 neighborhood court reporter can accurately get your
10 statements correctly. I know that at least some of you
11 speaking will not have any problem with volume.

12 We're going to try to stick to around the five
13 minute rule even though we only have a few people
14 speaking. I'm going to give you some latitude with
15 that. It's not a problem. Just don't do a filibuster
16 on me, please.

17 We'll open the floor to any -- well, we're
18 just going to go right down the line because this is who
19 we got here. We'll start with Mr. Harry Simmons, sir,
20 please.

21 MR. SIMMONS: Sure, Colonel. I'm Harry
22 Simmons, I'm the mayor of Caswell Beach, which is right
23 across the Cape Fear River from the Village of Bald Head

1 Island. I'm speaking tonight just personally, not on
2 behalf of the Town. The Town will in fact provide
3 written comments of a good bit more detailed nature by
4 the 17th.

5 I just wanted to say that in general we
6 support this project. I am personally very supportive
7 of this project. It's something we've worked long and
8 hard to have as an option in North Carolina with the
9 help of a lot of folks in this room. And I encourage
10 the continued effort to make this a project that makes
11 sense for the Village of Bald Head Island as well as for
12 its neighbors across the way and for the channel -- the
13 maintenance of the channel itself.

14 There's so many positives with this project
15 that it's -- I can't seem to find any really good reason
16 not to have it move forward in as quick a manner as
17 possible. Having been a part of the group that helped
18 get the legislation passed that makes it possible to do
19 this, we're very anxious to see how well it worked
20 because we believe it will based on everything we've
21 seen.

22 The Amelia Island picture that you showed,
23 Christian, I used it so many times I think it's in about

1 12 different places on my computer because it's a good
2 example of one of these things that works very well.

3 So, we're optimistic, we're supportive, and we
4 wish the Village the best of luck.

5 COL. BAKER: Thank you, sir. Next on the
6 list we have Mr. Peter Meyer, sir, please.

7 MR. MEYER: Hopefully you all can hear me.
8 I'll try to speak up. My name is Peter Meyer, M-e-y-e-
9 r. I'm here to speak for the public users of the beach
10 - the beachcombers, the beach walkers, the kayakers, the
11 surf fishermen, all the recreational beach users. I'm a
12 member of all those groups but I'm mainly a coast
13 walker.

14 I think I have a unique perspective because my
15 wife and I walked the entire North Carolina coast, every
16 foot of every barrier island beach accessible to the
17 public, a hike of some 425 miles. I don't think many
18 people know about this resource that state laws and
19 public trust grant us all unrestricted beach access.
20 People are unaware that they can walk from the South
21 Carolina border to the Virginia border. The public is
22 unaware of Coast Walk North Carolina, a flatter,
23 shorter, kinder Appalachian Trail for beachcombers.

1 If they were aware, the public would be angry
2 because from walking the beaches of North Carolina we
3 came to an inescapable conclusion. Hard structures on
4 the beach impair the use of public trust beach. As
5 such, placement of any hard structure on the shoreline
6 should be avoided if at all possible unless the
7 structures are absolutely positively necessary.

8 We have walked the 13-mile circuit of Bald
9 Head, Fort Fisher beaches many times. Overall it's one
10 the best walks on the North Carolina coast. It's
11 absolutely beautiful. Unfortunately, a groinfield of
12 enormous sand tubes makes walking on one section of Bald
13 Head Island beaches one of the most unpleasant
14 shorelines to walk in North Carolina. The mile of South
15 Beach marred by giant sand tubes is a painful pimple on
16 the face of an otherwise beautiful set of beaches.

17 I'm asking that the importance of the
18 recreational use of public trust beach be considered
19 before proceeding with this terminal groin proposal.
20 The draft EIS does not address this issue. It does not
21 adequately consider the impact of the groin on
22 recreational use of public trust beach especially with
23 the option of leaving the infernal sand tubes in place.

1 In fact, the brief opinion that is given in
2 the EIS on the impact of this project on public beach
3 recreation, especially comparing options five and six,
4 is absolutely incorrect. The issue of public trust
5 beach how the recreational beach of Bald Head Island
6 would be protected and not adversely affected should be
7 properly addressed before this project proceeds.

8 I thought I had three minutes. Since I've got
9 five I'm going to bring up one other thing in my written
10 comments. Bear with me. Small print. But in the
11 environmental impact statement it makes some statements
12 that beach (inaudible) may also serve to encourage
13 additional use and/or development.

14 Such additional development can reasonably be
15 anticipated in the case of the Bald Head Island Club in
16 the form of a planned \$6,000,000.00 expansion which is
17 unlikely to transpire absent a hardened structure
18 solution. Given the location of the club relative to
19 the existing footprint of the groinfield it is not known
20 whether the proposed future expansion will take place
21 under alternative number six where the sand tubes are
22 taken out.

23 So, basically it sounds like the \$6,000,000.00

1 expansion of the club won't occur unless they get the
2 groin and keep the sand tubes. To me these statements
3 are illogical and somewhat ironic. Because of poorly
4 planned development, the building of structures in an
5 inlet hazard area the whole issue of building hardened
6 structures on the beach has reared its ugly head here.

7 So, if we put a large groin in, then we get
8 construction of more expensive structures, expansion of
9 present structures and the defense of these structures
10 will require even more necessary and cost effective
11 bigger groins, whatever the next proposal to save them.

12 The anticipated development from the placement
13 of the large rocky groin and leaving the groinfield sand
14 tubes in place is to me actually a reason not to proceed
15 with these projects. Did we not learn from our folly?

16 Thank you.

17 COL. BAKER: Thank you, sir. And our last
18 and final contestant, Ms. Debbie Smith, please.

19 MS. SMITH: Good evening, everyone, I'll be
20 very brief. Most of you know I'm a lifelong resident of
21 Brunswick County and I've been fortunate enough to grow
22 up with the sand along our beaches between my toes from
23 a very young age.

1 We moved to the coast when there was nothing
2 on the coast of Brunswick County, on Bald Head Island,
3 on Ocean Isle Beach, or much anywhere else. We actually
4 moved to Ocean Isle six months after Hurricane Hazel had
5 flooded it. I moved in a house that survived and I've
6 been there ever since.

7 I think we -- all of us that have grown up and
8 lived on the coast certainly understand the changes that
9 happen along our inlets. These are certainly sometimes
10 unpredictable and in the case of Bald Head here with the
11 shipping channel so close to them, they certainly have
12 unique challenges.

13 I think it's time that we work with Mother
14 Nature. These structures will help us to maintain our
15 beaches. They will help us to maintain them for the
16 public to use and for public trust. If they are not
17 there, you can't walk on them. I've seen many of these
18 structures along the coast -- the east coast and down
19 along the gulf. They are very successful, they are not
20 obtrusive, and they have been proven to work.

21 So, I encourage you. Thank you, Doug, for
22 your comments because I know y'all had some challenges
23 with working through the latest law that's written. But

1 I look forward to y'all being able to work through a
2 permit very quickly and the Corps has certainly given
3 great assistance with these projects and thank you all
4 for your help. I look forward to the success here.

5 COL. BAKER: Thank you, ma'am. All right.
6 We don't have anybody else on the list so I'll give you
7 one more chance. If you've got any other public
8 statements you want to make, you can come up and take
9 the podium, please. Sir, what's your name, please?

10 MR. HICKMAN: Bill Hickman.

11 COL. BAKER: Okay. Sir, where are you from?

12 MR. HICKMAN: I'm chairman of the Brunswick
13 County Commercial Fishermen Association.

14 COL. BAKER: Thank you, sir.

15 MR. HICKMAN: I appreciate the opportunity to
16 speak to you gentlemen. I'm speaking on behalf of the
17 commercial fishermen in Brunswick County who make their
18 living along the coastline here in Brunswick County and
19 throughout North Carolina and the east coast.

20 As a personal reference we are very concerned
21 about our coastal ecosystem and the measures that you're
22 facing here on Bald Head needs to be addressed through
23 what we feel like since you moved the ship channel over

1 to the east, which has completely disrupted our local
2 inlet transfer of water in and out of the river.

3 And that not only do they need a terminal
4 groin on Bald Head to prevent further beach erosion but
5 if you wanted to really solve the problem for Bald Head
6 and other inlets along our coast, look about 20 miles to
7 the north at Masonboro Inlet and look what that jetty
8 system has done for the east end of Wrightsville Beach
9 and the entire Masonboro Island system.

10 That has completely stopped the erosion coming
11 off of Wrightsville Beach. The bad erosion that they
12 had in the past on Masonboro Island, that completely
13 stopped the washing away of the Masonboro Inlet. And if
14 you did the same thing to Bald Head Island by putting a
15 jetty from Ellis Shoals from the point of Bald Head
16 Island 1,500 feet out beside the shipping channel, you
17 would not have the transfer of sand into the inlet, into
18 our river system, into our nursery areas that's
19 completely being destroyed by sand coming in the river.

20 A good example is where the ferry run aground
21 in February or January. Three year ago it was 30 feet
22 of water. That sand is beach renourishment sand that
23 has completely filled up behind Bald Head Island, filled

1 up through the thoroughfare, filled up Bald Head Creek.
2 You can't even get in Buzzard Bay anymore for beach
3 renourishment sand. You can't catch any clams anymore
4 with tongs in those creeks over there because sand has
5 covered up the muddy bar.

6 And Elizabeth River coming out of the
7 waterway, you can't get in Elizabeth River no more
8 because it's shoaled up with beach renourishment sand.
9 That's fact, I can prove that. The western cup going
10 out around Fort Caswell, since you moved the shipping
11 channel to the east, the western cup is completely
12 closed up. It's moved to the west about a half a mile
13 that goes out by the CP&L canal.

14 In turn by doing that on a falling tide with
15 the water going out of the CP&L canal has created an
16 eddy. I can show it to you on a system I have on my
17 phone which is a live feed from a satellite. That eddy
18 is what's causing the erosion problem on the highway on
19 Caswell Beach. I can prove that right here on my cell
20 phone.

21 The beach renourishment that we currently have
22 has destroyed our coastal ecosystem. The beach sand
23 that is being pumped on our beaches is washing back

1 offshore covering up our muddy bars up to a half a mile
2 off the beach therefore destroying an ecosystem
3 permanently. It won't never come back. You can't catch
4 a crab on the beaches no more in the wintertime because
5 there's no mud for them to bury up.

6 What's put our piers out of business is beach
7 renourishment sand washing back filling up the sand out
8 at the end of the pier filling up the mud. People can't
9 catch no fish on the piers, they don't come to the piers
10 no more. They put them out of business because they
11 don't catch fish. Why they don't catch fish? Because
12 beach renourishment sand has covered up that mud and
13 fish ain't going where they ain't got nothing to eat.

14 We can't catch shrimp no more along the beach
15 because the shrimp ain't got no mud to bury up in. They
16 can't catch spots no more along the beach like they used
17 to because there's no mud there for them to feed on.

18 Why? Because our Environmental Protection
19 Agency along with the Corps of Engineers purposely left
20 out the soft bottoms in the environmental impact study
21 for the coastal beach renourishment projects because
22 they knew if they included the soft bottom structures in
23 their environmental impact studies, that they could not

1 issue a permit for beach renourishment. That's what our
2 research has shown.

3 So, what I'm saying if you want to improve our
4 ecosystem and help Bald Head Island, don't stop with
5 just a short groin. Go ahead and do what they need to
6 solve their problem and put a jetty from Ellis Shoals
7 1,500 feet out beside that shipping channel. You won't
8 have to do no more beach renourishment on Bald Head
9 Island, it'll take care of itself.

10 Lockwoods Folly Inlet if you'll put a jetty in
11 Lockwoods Folly Inlet or Shallotte Inlet, you won't have
12 to worry about dredging the intracoastal waterway no
13 more because that jetty will stop the sand from coming
14 in the inlets and the natural occurrence of beach sand
15 going around that jetty on the east side will fill up
16 naturally the problem that you're having on Holden
17 Beach.

18 So, use some common sense. It don't take a
19 rocket scientist, it takes 48 years of experience
20 working on that water to know what's happening with
21 Mother Nature. We've got people moving down here on the
22 beach that's got a lot of money. They want to build on
23 that oceanfront, let them bear the responsibility if

1 they want to live on that oceanfront because we are in
2 an evolving earth. We've living on an evolving earth.
3 It's always evolved.

4 We can't build backwards to the sea. We got
5 to think about moving those people off the oceanfront
6 and moving back because we're not going to change
7 nature. We're not going to stop. We got the wrong idea
8 about what's going on. Building backwards you're just
9 throwing away money year after year after year. That's
10 all you're doing. You got to think about moving back
11 with an evolving earth.

12 So, all these engineers for the Corps of
13 Engineers that's planning all this stuff and the EPA,
14 listen to the voice of experience, people that has lived
15 on that ocean all their life and know more about it than
16 any of these engineers and scientists can ever tell you.
17 Now, listen to me, you got the wrong idea. If you want
18 to help Bald Head, put a jetty out there. That'll stop
19 their problem once and all, you ain't got to worry about
20 it no more. If you want to help these inlets and help
21 these beaches, jetty these inlets, it'll take care of
22 itself.

23 So, think about it, gentlemen. That's all

1 I've got to say.

2 COL. BAKER: All right. Anybody else? All
3 right. Just a reminder that all these verbal comments
4 will be included as public record and will be made
5 available once they have compiled. Comments may be
6 compiled and placed on our website. Please refer to the
7 handouts available at the sign-in desk with a link to
8 the draft environmental impact statement.

9 And please note that the comments on the draft
10 environmental impact study again, the date that we're
11 looking for those to be turned in is March 17. March
12 17, 2014 so we can continue on to the next phase of the
13 study and work towards the final EIS.

14 So, again, I appreciate you coming. I
15 appreciate you being part of the process because without
16 you we wouldn't have a process. So, we need you to
17 participate and we're very happy that we got at least a
18 decent crowd in here tonight and we got some of our
19 outstanding elected officials to show up as well. So, I
20 appreciate you attending as well.

21 Thank you and with that this public hearing is
22 adjourned.

23 (The public hearing concluded at 6:55 p.m.)

1 STATE OF NORTH CAROLINA)

2 COUNTY OF NEW HANOVER)

3 CERTIFICATION

4 I, PETER BROWNE RUFFIN, III, Notary Public, Court
5 Reporter and President of AURELIA RUFFIN & ASSOCIATES,
6 INC., do hereby certify that the foregoing transcript
7 constitutes a true and correct record of the Public
8 Hearing, the same having been taken down by me on the
9 date and at the place set forth in the record and before
10 those persons named therein, and that said testimony was
11 transcribed by MARY HEIDEN;

12 FURTHER, that we are not related to any of Counsel;
13 we are not employed by any of Counsel or parties to this
14 action, save and except for the explicit purpose of
15 taking down the testimony herein and transcribing same;
16 and that we, in no way, are interested in the outcome of
17 said litigation;

18 FURTHER, that the original of this transcript will
19 be bound and will be forwarded to SCOTT McLENDON, Chief
20 of Regulatory Division, at U.S. Army Corps of Engineers,
21 Wilmington Division, 69 Darlington Avenue, Wilmington,
22 North Carolina 28403.

23

1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16
17
18
19
20
21
22
23

This the 12th day of March, 2014.



Notary Public, #19971470080

A			B	
able 18:8,17,22 19:2 31:1	ain't 34:13,13 34:15 36:19	8:11 9:8 23:11	B 1:14	29:6 30:3 32:4 32:8,11,22
absent 28:17	aisle 3:17	application 13:5 13:7,10	back 4:10,16 8:9 9:10 13:1,3,14	33:2,8,19,21 33:22 34:2,6
absolutely 27:7 27:11 28:4	alignment 16:17 19:9 22:15,20 22:22	appreciate 11:15 14:4,5 31:15 37:14,15 37:20	17:3 33:23 34:3,7 36:6,10	34:12,14,16,21 35:1,8,14,17 35:22
access 26:19	alignments 22:19	approach 14:21 22:23	background 16:11	beachcombers 26:10,23
accessible 26:16	allotted 6:5	approximate 16:12 17:10	backwards 36:4 36:8	beaches 15:3 27:2,9,13,16
accurately 6:13 6:14 24:9	allow 12:5,11 23:8,9	approximately 17:7 22:16	bad 8:19 32:11	29:22 30:15 33:23 34:4 36:21
acquiring 5:1	allowable 12:4	April 17:12	Baker 2:3 3:1,6 3:23 4:6,8,10 4:15 7:1,10 8:1 14:4 23:23 26:5 29:17 31:5,11,14 37:2	bear 28:10 35:23
act 2:16 6:20,20 7:7,9,12,20 8:18 10:6 11:23 12:1,13 12:16 13:12	allowed 8:7	area 7:14 11:23 12:1 16:1,3,11 16:13,19 19:16 20:13,15 21:11 29:5	balance 8:11,14	beautiful 27:11 27:16
action 1:11 5:3,5 9:3 10:18 14:16 15:8,16 38:14	allows 12:14	Army 1:10 2:2 3:7 5:2 38:20	balancing 8:18	beginning 13:4
activation 23:9	alongside 21:8 22:1	areas 32:18	Bald 1:6 3:9 4:7 8:13 9:19 11:21 16:6,9 20:18,19 24:23 25:11 27:8,12 28:5,15 30:2 30:10 31:22 32:4,5,14,15 32:23 33:1 35:4,8 36:18	behalf 7:10 9:13 25:2 31:16
addition 23:2,7	alternative 10:20,22 14:16 14:17 15:8,9,9 15:10,11,13,14 15:16,19 18:22 23:12,15 28:21	asking 27:17	believe 12:23 25:20	believed 23:19
additional 23:5 28:13,14	alternatives 9:3 9:7 14:14 15:6 15:7,21 18:14 18:14,20	assets 15:4	beliefs 22:23	benefits 22:23
address 6:19 10:10,11 14:23 27:20	Amelia 21:21 25:22	assistance 31:3	best 26:4 27:10	best 26:4 27:10
addressed 11:5 28:7 31:22	and/or 28:13	associated 8:20	beyond 23:10	bigger 29:11
adequate 23:19	Andy 4:7	Associates 1:15 18:10 38:5	biggest 13:15	biggest 13:15
adequately 27:21	angry 27:1	Association 2:13 31:13	Bill 4:13 19:20 31:10	Bill 4:13 19:20 31:10
adjacent 16:9 19:16 21:15	answer 5:7 6:3	assumes 22:3	Bird 16:6 17:17 20:4,9,11	Bird 16:6 17:17 20:4,9,11
adjoined 37:22	anticipated 28:15 29:12	Attendance 2:9	bar 33:5	bar 33:5
advanced 15:7	anxious 25:19	attending 14:11 37:20	barge 21:10	barge 21:10
adversely 28:6	anybody 13:22 24:4 31:6 37:2	attention 10:3	barrier 26:16	barrier 26:16
advice 14:3	anyone 33:2,3	audience 4:3	bars 34:1	bars 34:1
aerial 16:7 17:9	apologize 3:4	AURELIA 1:15 38:5	based 25:20	based 25:20
afforded 11:8	Appalachian 26:23	authorities 7:6	basically 28:23	basically 28:23
affords 5:3	APPEARAN... 2:1	authority 7:9,11	Bay 33:2	Bay 33:2
age 29:23	applicant 9:5 12:17 14:18 16:15 19:12 23:16,21	AVAILABLE... 1:4	beach 1:6 4:5,9 15:1,11,13 16:4,4,10,12 16:15,16,19,22 16:22 19:6 22:6,7,16 23:13,13 24:22 26:9,10,11,16 26:19 27:4,4 27:15,18,22 28:2,5,5,12	beach 1:6 4:5,9 15:1,11,13 16:4,4,10,12 16:15,16,19,22 16:22 19:6 22:6,7,16 23:13,13 24:22 26:9,10,11,16 26:19 27:4,4 27:15,18,22 28:2,5,5,12
agencies 8:4,5	applicant's 8:10	aware 27:1		
agency 7:17 34:19				
ago 12:2 32:21				
aground 32:20				
ahead 35:5				

<p>BROWNE 38:4 Brunswick 1:2 4:12 29:21 30:2 31:12,17 31:18 build 35:22 36:4 building 29:4,5 36:8 built 21:22 bury 34:5,15 business 4:21 34:6,10 businesses 15:2 Buzzard 33:2</p> <hr/> <p style="text-align: center;">C</p> <hr/> <p>called 6:4 8:22 calling 6:5 CAMA 13:10,12 13:23 canal 33:13,15 Cape 16:3 24:23 care 35:9 36:21 Carolina 1:1,18 1:23 2:14 3:18 3:19 4:13 10:4 25:8 26:15,21 26:22 27:2,10 27:14 31:19 38:1,22 case 17:15 21:18 21:22 28:15 30:10 Caswell 4:9 24:22 33:10,19 catch 33:3 34:3 34:9,11,11,14 34:16 causing 33:18 cell 33:19 Certain 22:6 certainly 30:8,9 30:11 31:2 CERTIFICA... 38:3 certify 38:6 CFR 2:14,15 chairman 31:12</p>	<p>challenges 30:12 30:22 chance 31:7 change 36:6 changed 12:4 changes 30:8 channel 16:1,8 16:23 19:16 20:18 25:12,13 30:11 31:23 32:16 33:11 35:7 Channels 20:18 characteristics 14:18 charged 8:17 Chief 2:4 3:16 38:19 Christian 2:10 3:21 11:20 14:7 23:23 25:23 chronic 14:23 circuit 27:8 City 11:17 clams 33:3 Clean 6:20 7:12 clearly 5:23 close 30:11 closed 33:12 closely 10:3 13:16 club 28:15,18 29:1 coast 26:12,15 26:22 27:10 30:1,2,8,18,18 31:19 32:6 coastal 2:6 3:18 3:20 10:4 11:16,18,23 12:1 31:21 33:22 34:21 coastline 31:18 Code 4:22 coincidental 19:14 COL 3:1,23 4:6</p>	<p>4:8,10,15 14:4 23:23 26:5 29:17 31:5,11 31:14 37:2 Colonel 2:3 3:5 7:1,10,23 10:16 14:10 24:21 come 5:22 6:3 10:7 24:7 31:8 34:3,9 comfortable 11:14 coming 32:10,19 33:6 35:13 37:14 Commander 2:3 3:6 comment 7:2,21 9:11 10:23 11:8 12:21,22 13:11,14 commented 13:3 comments 5:15 5:21 6:13,15 8:4,5,6,10 10:11,12 11:1 11:2 13:1 25:3 28:10 30:22 37:3,5,9 commercial 31:13,17 committed 13:19 common 35:18 compare 18:22 comparing 28:3 compiled 37:5,6 completely 32:1 32:10,12,19,23 33:11 compliance 2:15 comply 7:18 component 5:11 computer 26:1 conceptual 17:20 concerned 7:5</p>	<p>31:20 concluded 37:23 concludes 11:10 conclusion 27:3 concurrent 22:7 condition 17:11 17:13,15 conditions 18:17 conductive 16:17 conducted 18:10 confined 21:11 consider 8:23 27:21 consideration 11:4 considerations 14:20 19:11 considered 5:2 14:15 18:12 27:18 consolidation 12:15 constitutes 38:7 construct 19:13 23:22 constructed 17:2,3 21:5,6 22:2 constructing 9:5 construction 14:20 18:1 19:13,20,21,22 20:23 21:20 22:6,8 23:1 29:8 contact 10:9 14:3 contestant 29:18 context 11:22 continue 37:12 continued 25:10 control 6:9 coordinated 10:3 Corps 1:10,11 2:2 3:7 5:10 7:4,17 8:17 9:22 10:14</p>	<p>11:20 12:8 13:1,16,20 31:2 34:19 36:12 38:20 Corps' 5:14 correct 38:7 correctly 12:22 24:10 cost 29:10 Counsel 38:12 38:13 County 1:2 4:12 29:21 30:2 31:13,17,18 38:2 couple 12:2 course 12:6 15:3 court 1:14 6:12 24:9 38:4 covered 33:5 34:12 covering 34:1 CP&L 33:13,15 crab 34:4 created 33:15 Creek 20:19 33:1 creeks 33:4 cross 22:9 crowd 37:18 crowded 6:8 cubic 19:7,10 cup 33:9,11 currently 33:21 currents 18:17 curvilinear 22:15</p> <hr/> <p style="text-align: center;">D</p> <hr/> <p>damaging 10:21 Darlington 38:21 date 1:22 11:2 37:10 38:9 day 39:1 DCM 11:11 Debbie 2:8 3:19 4:5 13:23</p>
------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------

<p>29:18 decent 37:18 decision 5:13,14 8:3 defense 29:9 defined 4:22 Delft 18:16 19:1 delineated 20:5 20:13 delivery 15:5 democracy 5:18 Department 5:2 derived 17:16 describe 14:18 design 14:19 18:11,12,19,21 21:19 22:10 designated 9:23 desirable 17:22 19:18 desires 23:21 desk 37:7 destroyed 32:19 33:22 destroying 34:2 detailed 25:3 detriments 8:15 8:20 develop 5:9 development 7:22 12:9 28:13,14 29:4 29:12 different 18:11 18:12,16,18,19 18:19 19:11 20:8 21:6 26:1 direction 18:7 discuss 14:20 disposal 16:16 19:14,15,17,21 22:4,7,9 23:13 disrupted 32:1 distal 20:14,15 distributed 21:11 district 1:10 2:3 3:6,7 7:5 9:14</p>	<p>14:1 Division 2:4,6 3:16,18,20 7:5 7:18 10:4 11:16,17 38:20 38:21 document 12:10 12:18 doing 8:11 33:14 36:10 Doug 2:7 3:17 11:11,16 14:4 30:21 draft 1:4 10:13 11:3 12:20,22 14:15,22 15:7 15:22 23:15 27:20 37:8,9 dredging 35:12 dry 17:4 21:5 dunes 15:4 duplicating 10:6</p> <hr/> <p style="text-align: center;">E</p> <p>earliest 13:6 Early 15:5 earth 36:2,2,11 east 30:18 31:19 32:1,8 33:11 35:15 eat 34:13 ebb 16:5 20:12 ecosystem 31:21 33:22 34:2 35:4 eddy 33:16,17 effective 29:10 effects 18:21 efficient 10:8 effort 25:10 efforts 10:7 12:17 EIS 5:9 7:22 9:4 12:12 14:15,22 15:8,22 18:15 23:15 27:20 28:2 37:13 either 5:20</p>	<p>10:11 13:23 21:7,10 elected 4:2,16 37:19 elevation 22:10 Elizabeth 33:6,7 Ellis 32:15 35:6 email 10:10,12 emphasize 7:23 24:7 employed 38:13 encourage 25:9 28:12 30:21 ended 12:23 engineer 3:6 16:20 18:4 19:2 23:16 engineering 17:22 19:18 engineers 1:10 2:2 3:7 7:4,18 8:17 11:20 12:9 13:2,17 13:20 18:2 34:19 36:12,13 36:16 38:20 enormous 27:12 entertained 13:7 entire 26:15 32:9 entirely 17:4 entrance 16:2,23 20:18 environmental 1:5 2:16 5:9,13 7:20 8:19 10:6 10:13 11:3,6,7 12:9,12,13,15 12:18,20,23 28:11 34:18,20 34:23 37:8,10 environmenta... 10:21 EPA 36:13 equally 9:2 equilibrated 17:23 18:1 Erik 18:3,6</p>	<p>21:19 eroded 17:11,13 erosion 14:23 19:6 32:4,10 32:11 33:18 especially 27:22 28:3 evaluate 8:9 evaluated 15:21 evaluates 18:16 evaluating 5:2 evening 3:5 6:23 29:19 event 5:22 19:14 21:13 events 5:17,20 everybody 7:11 11:12 evidence 5:1 evident 16:5 evolved 36:3 evolving 36:2,2 36:11 example 17:15 21:18 26:2 32:20 Excellent 4:15 exception 15:14 15:20 existing 15:12 19:4 23:13 28:19 expansion 28:16 28:20 29:1,8 expensive 29:8 experience 35:19 36:14 expire 10:23 explain 4:19 explicit 38:14 extend 17:7 19:22 extending 22:12 extends 22:15,16 extension 22:14 extent 17:6,10 17:18 22:11</p>	<hr/> <p style="text-align: center;">F</p> <p>face 27:16 facing 31:22 fact 25:2 28:1 33:9 factors 10:19 falling 33:14 far 7:4 20:23 Fear 16:3 24:23 feature 16:11 20:12,16 February 32:21 federal 4:22 7:17 16:1 19:14,15,17 22:4,7 feed 33:17 34:17 feel 11:13 31:23 feet 17:1,5,5,8 22:12,13,14,16 32:16,21 35:7 ferry 32:20 Field 3:14 9:18 9:22 filibuster 24:15 fill 22:5 23:4,13 35:15 filled 32:23,23 33:1 fillet 15:18 17:21 17:23 19:18 20:2,10 22:19 23:20 filling 34:7,8 final 5:9,12 11:5 11:7 29:18 37:13 finally 3:20 find 25:15 first 3:13 8:21 fish 34:9,11,11 34:13 Fisher 27:9 fishermen 26:11 31:13,17 five 6:6 15:16,19 18:14 23:15 24:12 28:3,9</p>
------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------

<p>flatter 26:22 flooded 30:5 floor 24:17 folks 25:9 Following 5:12 folly 29:15 35:10 35:11 foot 16:21 17:3 26:16 footprint 28:19 forcing 18:16 foregoing 38:6 foreground 16:10 foreseeable 8:15 form 28:16 formation 19:18 22:19 forms 9:4 Fort 27:9 33:10 forth 38:9 fortitude 7:8 fortunate 29:21 forum 8:6 forward 13:21 25:16 31:1,4 forwarded 38:19 four 12:6,7 15:13 friend 6:18 friendly 6:11 24:8 Frying 20:20 full 17:6 further 32:4 38:12,18 future 20:2 28:20</p> <hr/> <p style="text-align: center;">G</p> <p>gathered 5:8 general 14:18 25:5 gentlemen 3:1 31:16 36:23 geotextile 21:3 getting 3:2 giant 27:15</p>	<p>give 6:18 13:14 14:2 24:14 31:6 given 28:1,18 31:2 giving 18:5 go 6:7 8:9 13:18 24:18 35:5 goals 16:14 goes 8:3 33:13 going 3:3,9,11 3:21 4:2,19 5:19,22,23 6:2 6:17,22 7:15 9:10 10:18,20 14:6 24:2,12 24:14,18 28:9 33:9,15 34:13 35:15 36:6,7,8 golf 15:3 good 3:5 5:19 8:19 25:3,15 26:1 29:19 32:20 gracious 6:7 grant 26:19 great 31:3 groin 1:6 3:10 7:15 9:6 12:6 13:6,19 14:17 14:19 15:17 16:13,21 17:1 17:10,18 18:7 18:9,13 19:4,8 19:13,21 21:1 21:15 22:1,8 27:19,21 29:2 29:7,13 32:4 35:5 groinfield 15:12 15:15,18,20 17:13 23:14,17 27:11 28:19 29:13 groins 12:11 23:17 29:11 ground 16:5 group 2:10 4:1</p>	<p> 11:21 25:17 groups 26:12 grow 29:21 grown 30:7 guess 7:23 guidelines 9:7 gulf 30:19</p> <hr/> <p style="text-align: center;">H</p> <p>half 33:12 34:1 Hall 2:13 handouts 37:7 HANOVER 38:2 happen 30:9 happening 35:20 happy 14:2 37:17 Harbor 16:2,23 20:17 Harbors 6:19 7:7 hard 25:8 27:3,5 hardened 28:17 29:5 Harry 4:9 11:14 24:19,21 hate 7:12 hazard 29:5 Hazel 30:4 head 1:6 3:9,12 4:7 8:13 9:19 11:21 16:6,9 17:5 20:18,19 24:23 25:11 27:9,13 28:5 28:15 29:6 30:2,10 31:22 32:4,5,14,15 32:23 33:1 35:4,8 36:18 hear 6:12 26:7 hearing 1:9 2:12 3:11 4:20,21 4:23 5:7,8 13:12 14:11 37:21,23 38:8</p>	<p>heavily 12:8 HEIDEN 38:11 held 2:12 4:23 Hello 9:17 help 18:11 25:9 30:14,15 31:4 35:4 36:18,20 36:20 helped 25:17 Hickman 31:10 31:10,12,15 hiding 4:10 highway 33:18 hike 26:17 Holden 35:16 homes 15:2 hopefully 10:7 26:7 hopper 12:7 host 3:8 house 30:5 Huggett 2:7 3:17 11:11,12 11:16 Hurricane 30:4</p> <hr/> <p style="text-align: center;">I</p> <p>ID 1:11 idea 36:7,17 ideally 19:17 identified 15:6 16:14 20:17 identify 4:4 18:20 II 17:6 22:3,13 III 1:14 38:4 illogical 29:3 image 15:23 16:7,7 17:9,20 immediately 21:23 impact 1:5 5:9 5:13 10:13 11:3,6,7 12:12 12:20,23 27:21 28:2,11 34:20 34:23 37:8,10 impacts 8:19</p>	<p> 18:23 impair 27:4 importance 27:17 important 5:6 7:1 8:1,13 9:2 9:9,13 improve 35:3 inaudible 28:12 include 15:8 22:23 included 34:22 37:4 including 14:13 18:14 Incorporated 4:1 incorrect 28:4 incrementally 22:10 indicated 18:2 inescapable 27:3 infernal 27:23 information 5:1 5:4,8 10:10 14:3 infrastructure 8:12 15:2 initial 20:11 23:4 initially 23:1,6,8 inlet 29:5 32:2,7 32:13,17 35:10 35:11,11 inlets 30:9 32:6 35:14 36:20,21 install 16:21 installation 1:5 19:8 23:2,7 installed 21:8,14 intended 18:7 21:1 intensive 18:10 interest 8:22 10:19 16:19 interested 38:16 International 2:13</p>
-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------

<p>intracoastal 35:12 introduce 11:11 introducing 3:12 invite 5:15 6:3 6:17 7:21 14:8 invited 9:11 invites 8:4,5,5 inviting 7:2 involved 7:15,17 11:18 12:8 involvement 11:22 24:1 ironic 29:3 island 1:6 3:9 4:7 8:13 9:20 11:21 16:9 20:19 21:21 25:1,11,22 26:16 27:13 28:5,15 30:2 32:9,12,14,16 32:23 35:4,9 Isle 4:5 30:3,4 issue 7:9 27:20 28:4 29:5 35:1 it'll 35:9 36:21</p>	<p style="text-align: center;">L</p> <p>Ladies 3:1 Land 2:10 3:23 11:20 landward 21:4 large 29:7,13 late 24:3,4 latest 30:23 latitude 24:14 law 7:8 12:4,4 12:14 30:23 laws 26:18 learn 29:15 learning 13:18 leaving 27:23 29:13 left 23:14 34:19 legislation 12:10 19:19 25:18 Legislature 12:5 level 18:23 life 23:21 36:15 lifelong 29:20 line 24:18 linear 17:5 22:12 link 10:14 37:7 list 6:4 15:6 24:5 26:6 31:6 listen 36:14,17 listing 14:14 litigation 38:17 little 3:4 6:6,7 13:9 live 33:17 36:1 lived 30:8 36:14 living 31:18 36:2 local 18:23 32:1 located 11:17 location 1:23 17:10 28:18 Lockwoods 35:10,11 long 20:21 25:7 Longshorema... 2:13 look 9:7 10:13 11:13 31:1,4</p>	<p>32:6,7 looking 9:3 16:9 37:11 losses 16:15 lot 7:9 18:2 25:9 35:22 lots 7:19 loudly 6:11 loves 7:12 low 17:8 22:13 22:17 luck 26:4</p>	<p>21:17 maximum 16:21 17:1,6 mayor 24:22 McLendon 2:4 3:15 6:22 38:19 mean 17:8 22:13 22:16 measures 31:21 meat 9:4 meeting 3:9 10:1 14:2 meetings 15:5,6 member 26:12 mentioned 7:1 10:16 methods 21:6 Meyer 26:6,7,8 Mickey 4:16 middle 16:5 mile 27:14 33:12 34:1 miles 26:17 32:6 minute 24:13 minutes 6:6 14:7 28:8 mitigation 20:22 23:20 mobilization 22:6 modeling 18:11 19:1 money 35:22 36:9 months 19:23 30:4 Morehead 11:17 Mother 30:13 35:21 mound 21:1,16 21:21 mouth 16:3 move 13:21 18:9 25:16 moved 30:1,4,5 31:23 33:10,12 moving 35:21</p>	<p>36:5,6,10 mud 34:5,8,12 34:15,17 muddy 33:5 34:1</p> <p style="text-align: center;">N</p> <p>N.C 2:6 name 6:4 9:18 9:21 14:8 26:8 31:9 named 38:10 names 6:5 nation 9:1 National 2:16 7:19 12:15 natural 35:14 naturally 35:16 nature 25:3 30:14 35:21 36:7 navigation 16:1 16:2,8 19:16 navigational 7:8 near 21:11 necessary 27:7 29:10 necessitate 23:4 need 8:11 9:8 20:1 23:5 32:3 35:5 37:16 needed 20:22 needs 9:1 20:10 20:20 31:22 neighborhood 6:12 24:9 neighbors 25:12 neither 5:10 NEPA 6:19 9:6 10:3,18 never 34:3 NEW 38:2 north 1:1,18,23 2:14 3:18,19 4:13 10:4 25:8 26:15,22 27:2 27:10,14 31:19 32:7 38:1,22</p>
<p style="text-align: center;">J</p> <p>January 32:21 Jay 16:5 17:17 20:3,9,11 jetty 32:7,15 35:6,10,13,15 36:18,21</p> <p style="text-align: center;">K</p> <p>kayakers 26:10 keep 13:19 29:2 kinder 26:23 knew 34:22 know 5:17,18 12:1 24:10 26:18 29:20 30:22 35:20 36:15 known 28:19</p>	<p style="text-align: center;">M</p> <p>M-e-y-e- 26:8 ma'am 31:5 mail 10:12 mailing 10:11 maintain 30:14 30:15 maintenance 19:15 20:2,11 20:20,21 23:20 25:13 major 8:21 making 6:14 managed 15:10 Management 2:6,10 3:18,20 4:1 10:4 11:17 11:18,20,23 12:1 manager 2:5 3:14 9:19,23 14:1 manner 25:16 March 1:22 2:12 10:23 37:11,11 39:1 marine 21:3,16 21:17 marred 27:15 MARY 38:11 Masonboro 32:7 32:9,12,13 material 21:10 materials 21:9 mattress 21:3,16</p>	<p style="text-align: center;">M</p> <p>M-e-y-e- 26:8 ma'am 31:5 mail 10:12 mailing 10:11 maintain 30:14 30:15 maintenance 19:15 20:2,11 20:20,21 23:20 25:13 major 8:21 making 6:14 managed 15:10 Management 2:6,10 3:18,20 4:1 10:4 11:17 11:18,20,23 12:1 manager 2:5 3:14 9:19,23 14:1 manner 25:16 March 1:22 2:12 10:23 37:11,11 39:1 marine 21:3,16 21:17 marred 27:15 MARY 38:11 Masonboro 32:7 32:9,12,13 material 21:10 materials 21:9 mattress 21:3,16</p>	<p style="text-align: center;">M</p> <p>M-e-y-e- 26:8 ma'am 31:5 mail 10:12 mailing 10:11 maintain 30:14 30:15 maintenance 19:15 20:2,11 20:20,21 23:20 25:13 major 8:21 making 6:14 managed 15:10 Management 2:6,10 3:18,20 4:1 10:4 11:17 11:18,20,23 12:1 manager 2:5 3:14 9:19,23 14:1 manner 25:16 March 1:22 2:12 10:23 37:11,11 39:1 marine 21:3,16 21:17 marred 27:15 MARY 38:11 Masonboro 32:7 32:9,12,13 material 21:10 materials 21:9 mattress 21:3,16</p>	<p style="text-align: center;">M</p> <p>M-e-y-e- 26:8 ma'am 31:5 mail 10:12 mailing 10:11 maintain 30:14 30:15 maintenance 19:15 20:2,11 20:20,21 23:20 25:13 major 8:21 making 6:14 managed 15:10 Management 2:6,10 3:18,20 4:1 10:4 11:17 11:18,20,23 12:1 manager 2:5 3:14 9:19,23 14:1 manner 25:16 March 1:22 2:12 10:23 37:11,11 39:1 marine 21:3,16 21:17 marred 27:15 MARY 38:11 Masonboro 32:7 32:9,12,13 material 21:10 materials 21:9 mattress 21:3,16</p>

<p>Notary 1:14 38:4 39:6 note 5:6,10 37:9 notice 10:14 11:4 13:11,13 nourished 17:14 nourishment 15:11 16:16 number 15:9,11 15:19,19 28:21 numerical 18:10 nursery 32:18 nutshell 9:12</p> <hr/> <p style="text-align: center;">O</p> <hr/> <p>oblique 15:23 16:7 obtain 20:3 obtrusive 30:20 occur 8:15 19:20 19:22 22:6 29:1 occurred 22:4 occurrence 35:14 ocean 4:5 30:3,4 36:15 oceanfront 35:23 36:1,5 offer 7:2 Office 1:17 3:15 9:18,22 14:2 officials 4:3 37:19 offloading 21:9 offshore 34:1 okay 7:16 11:12 24:5 31:11 old 7:8 Olsen 18:3,10 19:1 21:12,19 once 7:17 36:19 37:5 ongoing 14:23 open 24:17 operate 7:5 opinion 28:1 opinions 5:4 8:7</p>	<p>opponent 5:11 10:17 opportunity 5:3 11:8 13:9,14 31:15 optimistic 26:3 option 18:21 25:8 27:23 options 18:11,13 18:19,19 28:3 original 38:18 outcome 38:16 outlining 2:15 outstanding 37:19 Overall 27:9 overlaid 16:8 21:2 oversight 21:20 overview 6:18 14:12 18:5</p> <hr/> <p style="text-align: center;">P</p> <hr/> <p>p.m 37:23 painful 27:15 Pan 20:20 part 7:1 8:1 9:2 9:9,13 25:17 37:15 participate 37:17 participation 4:18 parties 38:13 partnering 13:17 partnership 14:5 passed 12:11 25:18 Pat 4:12 pbruffinii@a... 1:19 PDT 15:5 people 11:23 24:3,6,13 26:18,20 34:8 35:21 36:5,14</p>	<p>performance 18:18 period 10:23 12:22 23:1 periodic 23:12 permanently 34:3 permeable 18:7 permit 5:2,5 7:16 13:5,10 31:2 35:1 permits 7:9 permitting 12:5 13:18 person 6:5 personal 31:20 personally 25:1 25:6 persons 38:10 perspective 26:14 Peter 1:14 26:6 26:8 38:4 phase 17:6 22:3 22:3,12,13,20 22:21,23 23:1 23:2 37:12 phases 17:2 22:3 22:11 23:22 phasing 14:21 phone 23:7 33:17,20 photo 17:12 physical 18:21 18:23 pictometry 16:8 picture 25:22 pier 34:8 piers 34:6,9,9 pile 21:15 pimple 27:15 pipe 21:14 place 5:18 15:18 17:21,23 23:14 27:23 28:20 29:14 38:9 placed 37:6 placement 27:5</p>	<p>29:12 places 26:1 planned 28:16 29:4 planning 36:13 please 3:3 4:4 5:10 6:11,21 11:1 24:16,20 26:6 29:18 31:9,9 37:6,9 pleased 3:8 podium 5:23 6:1 24:8 31:9 point 6:17 10:9 13:4 14:6,9 16:10,22 21:11 24:1 32:15 Policy 2:16 7:20 10:6 12:13,16 poorly 29:3 portion 20:5 21:5 position 17:8 19:4 22:13,17 23:15 positions 17:19 positively 27:7 positives 25:14 possible 25:17 25:18 27:6 post 1:17 18:1 19:21 22:9,19 potential 8:18 8:20 18:21,22 20:20 practical 10:21 preclude 23:5 predict 18:18 19:2 predicted 18:1 19:8 22:19,21 preferred 14:16 14:17 23:11 preparation 5:12 prepare 12:18 prepared 5:14 present 5:4 7:14</p>	<p>29:9 President 38:5 prevent 32:4 previously 20:13 Preziosi 2:10 3:21,22,22,23 14:10 principally 20:3 principle 20:10 print 28:10 prior 22:7 probably 6:6 problem 24:11 24:15 32:5 33:18 35:6,16 36:19 proceed 29:14 proceeding 27:19 proceeds 28:7 process 7:2 8:2,2 9:10,13 10:3,5 10:7,8,18 11:19 13:7,10 37:15,16 produced 18:3 program 6:19 project 2:5 3:14 5:10,11,15,15 7:3,14 8:8,11 8:16,20 9:9,19 9:20,23 10:1 10:17 11:9 13:17 14:13,13 14:14,22 15:5 16:1,3,3,11 17:7,16 18:3 19:12,16 20:6 20:6 21:19 22:2 23:21,22 25:6,7,10,14 28:2,7 projects 12:7 16:16 29:15 31:3 34:21 prominent 16:5 properly 28:7 properties 15:3</p>
-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------

<p>proponent 10:17 proposal 8:10,14 27:19 29:11 proposed 3:10 5:11 7:14 9:3,5 12:3 14:15,21 15:16 16:13 17:1,2,10 21:15 22:2 28:20 proposes 16:20 19:13 20:3 prospective 20:8 protect 8:12 15:1 protected 28:6 Protection 34:18 protective 15:4 prove 33:9,19 proven 23:17 30:20 provide 10:12 14:12 16:16 25:2 provided 13:1 21:12 provision 13:13 provisions 13:11 public 1:9,14 2:12 3:11 4:21 4:23 5:3,6,8 6:15 7:2 8:6,22 8:23 9:10 10:14,19 11:4 11:7 12:21 13:9,11,12,13 13:14 15:1 26:9,17,19,21 27:1,4,18,22 28:2,4 30:16 30:16 31:7 37:4,21,23 38:4,7 39:6 public's 24:1 pumped 33:23 purpose 4:20,21 5:1 9:8 14:14 14:22 38:14</p>	<p>purposely 34:19 pursuant 2:14 put 29:7 34:6,10 35:6,10 36:18 putting 32:14</p> <hr/> <p style="text-align: center;">Q</p> <p>question 5:7 6:3 questions 13:22 quick 25:16 quickly 13:21 23:10 31:2 quo 15:9</p> <hr/> <p style="text-align: center;">R</p> <p>r 26:9 Rabon 4:13,13 Range 20:19 rapid 23:8 rate 19:9 rates 19:3,5,7 ready 3:2 realigned 19:3 really 9:4,9,9 13:15 25:15 32:5 reared 29:6 reason 7:20 25:15 29:14 reasonably 8:14 28:14 recession 16:18 recognize 4:2 record 5:13 6:14 6:15 37:4 38:7 38:9 recreation 28:3 recreational 15:3 26:11 27:18,22 28:5 red 22:22 reduce 16:15 reduced 19:10 reducing 16:17 16:18 refer 37:6 reference 31:20 regional 14:1</p>	<p>18:23 Regulations 4:22 regulatory 2:4 3:14,15 6:18 7:5,18 9:19,22 38:20 related 38:12 relative 8:10 17:11,14,18,18 18:18 28:18 relatively 20:15 release 11:6 remain 15:12,18 23:17 remember 12:21 reminder 37:3 removal 15:14 15:20 renourishment 32:22 33:3,8 33:21 34:7,12 34:21 35:1,8 rental 15:2 reporter 1:13,14 6:12 24:9 38:5 Representatives 2:2,6 represents 20:14 require 12:11 23:3 29:10 required 12:13 15:17 19:19 requirement 9:6 17:21 requirements 2:15 research 35:2 resident 29:20 resource 8:23 26:18 resources 7:14 respect 19:12 response 11:3 responsibility 35:23 responsible 9:23 21:20</p>	<p>rest 6:23 restating 14:13 result 8:15 retreat 15:10 review 7:16 10:19 reviewed 18:12 reviewing 10:19 14:15 reviews 12:16 right 3:13,15,19 3:21 4:17 6:16 10:15 12:7 16:22 19:4 24:3,18,22 31:5 33:19 37:2,3 river 16:3 24:23 32:2,18,19 33:6,7 Rivers 6:19 7:7 roads 15:2 rocket 35:19 rocky 29:13 Ronnie 2:5 3:13 8:2 9:16,18,21 12:10 room 8:3 25:9 rubble 21:1,16 21:21 RUFFIN 1:14 1:15 38:4,5 rule 24:13 run 32:20 running 3:4</p> <hr/> <p style="text-align: center;">S</p> <p>sand 15:12,17 16:15 17:12,16 17:23 18:8 20:1,3,9 23:6,9 23:13,16,19 27:12,15,23 28:21 29:2,13 29:22 32:17,19 32:22,22 33:3 33:4,8,22 34:7 34:7,12 35:13</p>	<p>35:14 satellite 33:17 satisfy 9:8 19:17 save 29:11 38:14 SAW-2012-00... 1:11 saying 35:3 Sayre 4:7,7 SB 17:21 schematic 21:12 21:14 scientist 35:19 scientists 36:16 Scott 2:4 3:15 6:18,20 9:17 10:16 38:19 screen 10:10 sea 36:4 seats 3:3 seaward 21:5 second 3:2 9:2 10:9 section 6:19,20 7:6,12 11:10 17:3,4,5 22:9 27:12 sediment 16:18 18:6,8 19:2,5,6 19:9 23:10 see 13:23 17:12 17:17 19:5 25:19 seen 25:21 30:17 selected 10:20 Senate 4:14 19:20 send 5:21 sense 25:11 35:18 SEPA 12:13,14 12:15 serve 28:12 session 5:7 6:3 set 10:23 27:16 38:9 severe 19:6 Shallotte 35:11 ship 31:23</p>
---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------

<p>shipping 30:11 32:16 33:10 35:7</p> <p>shoal 16:6 20:12 20:14,15,19</p> <p>shoaled 33:8</p> <p>shoals 16:5,6 17:17 20:4,9 20:12,18,21 32:15 35:6</p> <p>shoreline 9:20 15:10 16:17,18 17:11,19 18:1 19:3,9 22:19 22:20,21 27:5</p> <p>shorelines 27:14</p> <p>short 35:5</p> <p>shorter 23:1 26:23</p> <p>show 33:16 37:19</p> <p>showed 25:22</p> <p>showing 17:9 21:13 22:18</p> <p>shown 18:6 21:16,23 22:20 22:22 35:2</p> <p>shows 17:14,23 20:8 22:11</p> <p>shrimp 34:14,15</p> <p>side 13:23 35:15</p> <p>sign-in 37:7</p> <p>signal 6:9</p> <p>similar 22:4</p> <p>Simmons 4:9,9 24:19,21,22</p> <p>sir 24:19 26:5,6 29:17 31:9,11 31:14</p> <p>site 17:17 20:4,4 20:10 23:6</p> <p>sites 20:9</p> <p>sitting 11:14</p> <p>six 15:7,19,21 28:3,21 30:4</p> <p>sized 21:2</p> <p>slide 20:8 22:11 22:18</p>	<p>slides 18:3</p> <p>small 20:15 28:10</p> <p>smaller 23:4</p> <p>Smith 2:5 3:13 4:5,5 8:3 9:16 9:17,18,21 20:19 29:18,19</p> <p>soft 34:20,22</p> <p>solution 28:18</p> <p>solve 32:5 35:6</p> <p>somewhat 29:3</p> <p>Sorry 9:21</p> <p>sort 8:21</p> <p>sounds 28:23</p> <p>source 20:9,10 20:21 23:6</p> <p>sources 23:19</p> <p>south 1:6,16 8:13 15:1,13 16:4,4,10,12 16:19,22 19:6 21:20 22:5,15 26:20 27:14</p> <p>Southport 1:23 2:14</p> <p>speak 5:20,22,23 6:6,11 24:4,6 26:8,9 31:16</p> <p>speaking 24:5 24:11,14 25:1 31:16</p> <p>speedier 10:7</p> <p>sponsored 17:16 20:6</p> <p>spots 34:16</p> <p>Stabilization 9:20</p> <p>stand 24:8</p> <p>standing 4:3 11:13</p> <p>standpoint 17:22 19:19</p> <p>start 3:2,9,12 24:19</p> <p>state 1:1 10:5 12:4,12 13:3 26:18 38:1</p>	<p>State's 11:23 12:22</p> <p>stated 8:12 12:10 14:22</p> <p>statement 1:5 5:9,13 10:13 11:3,6,7 12:12 12:20,23 28:11 37:8</p> <p>statements 24:10 28:11 29:2 31:8</p> <p>states 4:23</p> <p>station 22:5</p> <p>status 15:9</p> <p>statutes 7:19</p> <p>steel 21:14</p> <p>stem 17:4 21:4</p> <p>step 8:21</p> <p>Steve 3:5</p> <p>Steven 2:3</p> <p>stick 24:12</p> <p>stockpiled 21:10</p> <p>stone 21:2,9</p> <p>stop 35:4,13 36:7,18</p> <p>stopped 32:10 32:13</p> <p>streamline 12:17</p> <p>streamlining 10:5</p> <p>streams 7:13</p> <p>Street 1:16 2:14</p> <p>structure 1:6 12:2 17:7 18:8 21:1,4,6,7,9,15 21:21,22 22:9 23:2,8,10,12 27:5 28:17</p> <p>structures 12:6 13:6,19 27:3,7 29:4,6,8,9,9 30:14,18 34:22</p> <p>studies 34:23</p> <p>study 34:20 37:10,13</p> <p>stuff 36:13</p> <p>submission 13:5</p>	<p>success 31:4</p> <p>successful 30:19</p> <p>summary 23:11</p> <p>summer 19:22</p> <p>supplemental 20:1,10</p> <p>support 5:14 25:6</p> <p>supportive 25:6 26:3</p> <p>sure 4:2 6:14 10:20 24:21</p> <p>surf 26:11</p> <p>survived 30:5</p> <p>Syles 4:12,12</p> <p>system 32:8,9,18 33:16</p> <hr/> <p style="text-align: center;">T</p> <hr/> <p>table 3:12</p> <p>take 3:3 5:18 6:21,22 8:18 28:20 31:8 35:9,18 36:21</p> <p>taken 11:4 28:22 38:8</p> <p>takes 35:19</p> <p>talking 8:22</p> <p>tardy 3:4</p> <p>team 15:6</p> <p>TELEPHONE 1:21</p> <p>tell 36:16</p> <p>telling 4:17</p> <p>template 16:17</p> <p>temporary 21:8 21:23</p> <p>ten 14:7</p> <p>term 20:21</p> <p>terminal 1:5 3:10 7:15 9:5 12:6,11 13:6 13:19 14:17,19 15:17 16:13,21 16:23 17:18 18:13 19:3,21 20:23 21:21 22:1,8 23:12</p>	<p>27:19 32:3</p> <p>terribly 6:8</p> <p>testimony 38:10 38:15</p> <p>thank 4:17 9:14 9:17 11:14 14:4,10,10 23:23 26:5 29:16,17 30:21 31:3,5,14 37:21</p> <p>Thanks 14:9</p> <p>thing 5:19 13:15 28:9 32:14</p> <p>things 10:2 13:23 26:2</p> <p>think 6:9 25:23 26:14,17 30:7 30:13 36:5,10 36:23</p> <p>thoroughfare 33:1</p> <p>thought 28:8</p> <p>thoughts 8:7</p> <p>three 15:11,14 24:6 28:8 32:21</p> <p>throwing 36:9</p> <p>tidal 16:5 20:12</p> <p>tide 33:14</p> <p>tie 17:3</p> <p>time 4:19 13:4 20:7 24:1 30:13</p> <p>timekeeper 6:8</p> <p>times 25:23 27:9</p> <p>today 12:3</p> <p>toes 29:22</p> <p>tongs 33:4</p> <p>tonight 3:8 5:16 6:7 7:21 8:6 9:15 10:1 18:4 24:7 25:1 37:18</p> <p>tonight's 4:21 14:11</p> <p>top 19:4 21:7,17</p> <p>Town 25:2,2</p>
------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------

<p>Trail 26:23 transcribed 38:11 transcribing 38:15 transcript 1:5 38:6,18 transfer 32:2,17 transpire 28:17 transport 16:18 18:6 19:2,5,7,9 23:9,10 trestle 21:8,13 21:23 23:3 tried 24:5 true 38:7 trust 26:19 27:4 27:18,22 28:4 30:16 try 12:17 24:12 26:8 trying 14:8 tube 15:12 23:13 23:16 tubes 17:12 27:12,15,23 28:21 29:2,14 turn 14:6 33:14 turned 37:11 two 7:6 12:19 15:9 17:2 22:3 22:11,18,21 23:22</p> <hr/> <p style="text-align: center;">U</p> <p>U.S 2:2 3:7 38:20 ugly 29:6 unaware 26:20 26:22 understand 30:8 Unfortunately 27:11 uniformly 21:2 unique 26:14 30:12 Unit 1:16 unnecessary</p>	<p>23:18 unpleasant 27:13 unpredictable 30:10 unrestricted 26:19 use 23:3 27:4,18 27:22 28:13 30:16 35:18 users 26:9,11 utilized 17:16 20:13</p> <hr/> <p style="text-align: center;">V</p> <p>vacuum 8:3 validate 18:11 various 23:17 verbal 37:3 vicinity 15:23 19:5 view 16:9 views 5:4 Village 9:19 11:21 12:3 13:5,8,20 16:20 17:16 19:13 20:2,6 24:23 25:11 26:4 Virginia 26:21 voice 8:7 36:14 volume 23:4 24:11</p> <hr/> <p style="text-align: center;">W</p> <p>walk 26:20,22 27:14 30:17 walked 26:15 27:8 walker 26:13 walkers 26:10 walking 27:2,12 walks 27:10 want 3:12 24:7 31:8 35:3,22 36:1,17,20 wanted 14:12</p>	<p>24:4 25:5 32:5 wants 11:13 washing 32:13 33:23 34:7 water 1:16 6:20 7:12 17:8 22:13,17 32:2 32:22 33:15 35:20 waterway 33:7 35:12 waves 18:17 way 18:2 21:10 25:12 38:16 we'll 3:3 4:20 6:5 10:5 24:17 24:19 we're 3:1,3 5:19 6:2,8 7:20 10:1 10:6,19 14:6 24:12,17 25:19 26:3,3 36:6,7 37:10,17 we've 25:7,20 35:21 36:2 website 10:12,14 37:6 welfare 9:1 west 2:13 16:10 16:22 33:12 western 1:6 15:1 16:4,19 19:6 22:5,15 33:9 33:11 westward 22:5 wetlands 7:13 wife 26:15 Wilmington 1:10,18 2:3 3:7 3:14 7:4 9:18 9:22 14:1 16:2 20:17 38:21,21 Wilson 2:8 3:19 13:23 winds 18:17 wintertime 34:4 wish 24:4,6 26:4 work 9:22 13:4</p>	<p>30:13,20 31:1 37:13 worked 21:18 25:7,19 working 11:19 13:8,16,20 30:23 35:20 works 26:2 worry 35:12 36:19 wouldn't 37:16 Wrightsville 32:8,11 written 5:21 25:3 28:9 30:23 wrong 36:7,17 www.peterruf... 1:20</p> <hr/> <p style="text-align: center;">X</p> <hr/> <p style="text-align: center;">Y</p> <p>y'all 30:22 31:1 yards 19:7,10 yeah 3:23 year 19:7,10 32:21 36:9,9,9 years 12:2 35:19 young 29:23</p> <hr/> <p style="text-align: center;">Z</p> <hr/> <p style="text-align: center;">0</p> <hr/> <p style="text-align: center;">1</p> <p>1 20:18 1,200 17:4 1,300 22:12 1,500 32:16 35:7 1,900 16:21 17:1 10 6:19 7:6 104 1:16 10th 2:13 12 26:1 12th 39:1 13-mile 27:8 15 14:7 1500 2:15</p>	<p>151 17:21 19:20 164,000 19:10 17 37:11,12 17th 11:1 25:4 1899 7:7 19971470080 39:6</p> <hr/> <p style="text-align: center;">2</p> <p>2 20:18 20 32:6 2009 20:5 2009-2010 17:15 2010 20:5 2011 17:12 2013 17:8 22:4 2014 1:22 2:12 11:1 37:12 39:1 2025 1:17 210 2:13 215 1:16 230 2:14 28402-2025 1:18 28403 38:22</p> <hr/> <p style="text-align: center;">3</p> <p>3-D 18:16 19:1 30 32:21 300 17:5 22:12 327.3 4:22 33 2:14 4:22 343-1035 1:21 350 17:3</p> <hr/> <p style="text-align: center;">4</p> <p>4 1:22 2:12 40 2:15 404 6:20 7:12 404(b)(1) 9:7 425 26:17 440,000 19:7 45 22:5 48 35:19</p> <hr/> <p style="text-align: center;">5</p> <hr/> <p style="text-align: center;">6</p> <p>6,000,000.00</p>
----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------

28:16,23				
6:55 37:23				
600 22:14				
650 22:16				
69 38:21				
<hr/>				
7				
<hr/>				
700 17:7				
<hr/>				
8				
<hr/>				
9				
<hr/>				
910 1:21				