

Blue-Sky, Megan

From: Fox, Lori
Sent: Wednesday, January 20, 2010 12:30 PM
To: Juanita Barboa
Cc: Wetmore, Doug; Blue-Sky, Megan
Subject: FW: reference

Juanita,

For the Frank turina ref, see below - Thayer's email in the one that needs to be referenced. Megan, please make sure this is in the CAHA admin record.

Thanks!
Lori

Lori Fox
Deputy Director, Denver Operations/Senior Planner

Direct 303-985-6602
Main 303-985-6600
Mobile 301-461-8772

Fax 303-984-4942

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-----Original Message-----

From: Frank_Turina@nps.gov [mailto:Frank_Turina@nps.gov]
Sent: Wednesday, December 30, 2009 9:57 AM
To: Fox, Lori
Cc: Sandra_Hamilton@nps.gov
Subject: reference

Hi Lori

Attached is the e-mail chain re: distance from surf to ORV track. It looks like Thayer's e-mail should be referenced in the text.

Thanks

Frank Turina, Ph.D.
National Park Service
Natural Sounds Program Center

(970) 225-3530
(970) 631-5260 Cell
frank_turina@nps.gov

"The desert breathed and then went silent at the first mention of
nightfall, a kind of quiet that comes only at the edge of the earth" -
Craig Childs , The Secret Knowledge of Water

----- Forwarded by Frank Turina/FTCOLLINS/NPS on 12/30/2009 09:52 AM -----

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|----->
|          |          Sandra Hamilton          |
|          |          09/28/2009 08:47        |
|          |          AM MDT                   |
|----->
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>-----|
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|
|      To:      Frank Turina/FTCOLLINS/NPS@NPS
|
|      cc:
|
|      Subject: Fw: Soundscape Question for Hamilton
|
>-----|
|-----|
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Another...

Sandy Hamilton
Environmental Protection Specialist
National Park Service - Environmental Quality Division
Academy Place
P.O. Box 25287
Denver CO 80225
PH: (303) 969-2068
FAX: (303) 987-6782

----- Forwarded by Sandra Hamilton/DENVER/NPS on 09/28/2009 08:46 AM -----

Paul
Stevens/CAHA/NPS

09/28/2009 08:31
AM

To
Thayer Broili/CAHA/NPS@NPS, Bill
Caswell/CAHA/NPS@NPS, Brad
Griest/CAHA/NPS@NPS, Dave
Rapp/CAHA/NPS@NPS, David
Carter/CAHA/NPS@NPS,
ed_fuller@nps.gov, Jeff W
Goad/CAHA/NPS@NPS, John
McCutcheon/CAHA/NPS@NPS, Jon
Anglin/CAHA/NPS@NPS, Kenny
Ballance/CAHA/NPS@NPS, Lynne
Belanich/CAHA/NPS@NPS,
sean_reier@nps.gov, Jim
Churchman/CAHA/NPS@NPS, Mark

0024287

Krebs/CAHA/NPS@NPS, Pat
Ludwick/CAHA/NPS@NPS, Peter
Zahrt/CAHA/NPS@NPS, Bill A
Reynolds/CAHA/NPS@NPS, John
Kimmel/CAHA/NPS@NPS

cc

Chase Gatlin/CAHA/NPS@NPS, Cyndy
Holda/CAHA/NPS@NPS, Darrell
Echols/CAHA/NPS@NPS, Michelle
Baker/CAHA/NPS@NPS, Mike
Murray/CAHA/NPS@NPS, Sandra
Hamilton/DENVER/NPS@NPS

Subject

Re: Soundscape Question for
Hamilton(Document link: Sandra
Hamilton)

Thayer's points below are good. The only time vehicle noise seems to be a recurring problem is on the busy weekends in the summer months and mostly from vehicles that have the loud exhaust systems, i.e. glass packs, etc.

Paul K. Stevens
Chief Ranger
National Park Service
Outer Banks Group
1401 National Park Drive
Manteo, NC 27954

(252) 473-2111 ext. 119 (office)
(252) 475-8307 (cellular)

Thayer
Broili/CAHA/NPS

09/28/2009 08:43
AM

Cyndy Holda/CAHA/NPS@NPS

To

cc

Chase Gatlin/CAHA/NPS@NPS, Darrell
Echols/CAHA/NPS@NPS, Michelle
Baker/CAHA/NPS@NPS, Mike
Murray/CAHA/NPS@NPS, Paul
Stevens/CAHA/NPS@NPS, Sandra
Hamilton/DENVER/NPS@NPS

Subject

Re: Soundscape Question for
Hamilton(Document link: Paul
Stevens)

Paul and the LE folks can probably give the best answer on this based on their observation over time. My take is that ORVs tend to drive inland of other ORVs parked and that ORVs park within 10 yards of the surf zone. This makes the average distance of driving behind parked ORVs about about 60-80 feet (maybe less) from the surf zone. If no ORVs are parked and there are not many people close to the surf zone, ORVs drive as close to the surf zone as possible because of the desirability of driving on packed sand.

Cyndy,
You're the "native"! You should be able to answer this better than any of us foreigners...

Thayer Broili
Chief of Resource Management
Cape Hatteras National Seashore
Phone 252-473-2111 ext.137
Fax 252-473-2595

Cyndy
Holda/CAHA/NPS

09/25/2009 04:59
PM

Chase Gatlin/CAHA/NPS@NPS, Paul
Stevens/CAHA/NPS@NPS, Thayer
Broili/CAHA/NPS@NPS, Michelle
Baker/CAHA/NPS@NPS

To

Darrell Echols/CAHA/NPS@NPS, Mike
Murray/CAHA/NPS@NPS, Sandra
Hamilton/DENVER/NPS@NPS

cc

Subject
Soundscape Question for Hamilton

Hello to Everyone!

This one takes the prize for being "the most difficult question of the week!"

Sandy Hamilton and crew are working on the soundscape portion of the ORV

0024289

Management Plan. She is wondering if anyone has a good ballpark estimate, or maybe a good educated guess?!, for the following question:

What is the average distance, or the median distance, or a range of distancesfor the distance from where the middle of the ORV corridor and most ORVs drive, to the beginning of the surf zone?

I told her that concept on this ever-changing dynamic barrier island may be impossible to define.....but that I would ask. She understands that the answer will be an ESTIMATE or WAG for sure!

In general, they are trying to determine what the sound impacts would be of:
people walking along the surfzone vs. a vehicle traveling in the middle of the ORV corridor and therefore the estimated distance would be useful to them if possible.

If you have an answer, please respond directly to Sandra_Hamilton@nps.gov..... If you know of someone else in the park who may be better equipped to answer this question, feel free to forward to them.

Thank you for your time.

Cyndy M. Holda
Assistant to the Superintendent &
Community Liaison
Cape Hatteras NS/Fort Raleigh NHS/Wright Brothers NM
252-473-2111 ext. 148
252-216-6455 cell
252-473-2595 fax
Email: cyndy_holda@nps.gov

#3054

Frank
Turina/FTCOLLINS/NPS
09/28/2009 11:00 AM

To Sandra Hamilton/DENVER/NPS@NPS
cc
bcc
Subject Re: Fw: Soundscape Question for Hamilton

Thanks Sandy,

This is helpful. The draft impact thresholds for soundscapes at CAHA are attached. As written, the impacts generally fall in the minor category. Seasons/Alternatives where the speed limit increases to 25 mph tend to fall into the moderate category. The document includes a discussion of a couple of key assumptions (Randy may have one or two others that he used and we'll get those to you tomorrow). Based on the data we collected, the modeling, and info from park staff, soundscapes will probably not be the primary consideration driving the decision. However, it will likely be a more influential impact topic in parks where there is no other dominant natural sound (like the surf at CAHA).

We would like to review the EIS sections related to Soundscapes, wildlife and visitor experience/safety so we can comment on how soundscapes can affect those impact topics. Thanks for your patience during the soundscape analysis. We look forward to working with you to complete the EIS.

Best,



CAHA Thresholds.doc

Frank Turina, Ph.D.
National Park Service
Natural Sounds Program Center
(970) 225-3530
(970) 631-5260 Cell
frank_turina@nps.gov

When quiet is all around, with no sounds but natural ones - bird songs, wind, washing of waters against shores - the stage is always set for meditation and reflection.

-- Sigurd Olsen

Sandra Hamilton/DENVER/NPS



Sandra
Hamilton/DENVER/NPS
09/28/2009 07:30 AM

To Frank Turina/FTCOLLINS/NPS@NPS
cc
Subject Fw: Soundscape Question for Hamilton

more to come...

Sandy Hamilton
Environmental Protection Specialist
National Park Service - Environmental Quality Division
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Denver CO 80225
PH: (303) 969-2068
FAX: (303) 987-6782


----- Forwarded by Sandra Hamilton/DENVER/NPS on 09/28/2009 07:30 AM -----

Thayer Broili/CAHA/NPS

09/28/2009 06:43 AM

To Cyndy Holda/CAHA/NPS@NPS

cc Chase Gatlin/CAHA/NPS@NPS, Darrell
Echols/CAHA/NPS@NPS, Michelle
Baker/CAHA/NPS@NPS, Mike Murray/CAHA/NPS@NPS,
Paul Stevens/CAHA/NPS@NPS, Sandra
Hamilton/DENVER/NPS@NPS

Subject Re: Soundscape Question for Hamilton 

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Thayer Broili
Chief of Resource Management
Cape Hatteras National Seashore
Phone 252-473-2111 ext.137
Fax 252-473-2595

Cyndy Holda/CAHA/NPS



Cyndy Holda/CAHA/NPS

09/25/2009 04:59 PM

To Chase Gatlin/CAHA/NPS@NPS, Paul
Stevens/CAHA/NPS@NPS, Thayer Broili/CAHA/NPS@NPS,
Michelle Baker/CAHA/NPS@NPS

cc Darrell Echols/CAHA/NPS@NPS, Mike
Murray/CAHA/NPS@NPS, Sandra
Hamilton/DENVER/NPS@NPS

Subject Soundscape Question for Hamilton

Hello to Everyone!

This one takes the prize for being "the most difficult question of the week!"

Sandy Hamilton and crew are working on the soundscape portion of the ORV Management Plan. She is wondering if anyone has a good ballpark estimate, or maybe a good educated guess?!, for the following question:

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Cyndy M. Holda
Assistant to the Superintendent &
Community Liaison
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252-473-2111 ext. 148
252-216-6455 cell
252-473-2595 fax
Email: cyndy_holda@nps.gov

Draft Soundscape Impacts	
Negligible	Natural sounds would prevail; the area would be closed to vehicles or noise generated by the use of ORVs would be infrequent or absent, and mostly not measurable or detectable.
Minor	Vehicle noise dominates sound energy to a distance of 30 meters inland from the vehicle; or to a distance of 10 meters toward the surf.
Moderate	Vehicle noise dominates sound energy to a distance of 60 meters inland from the vehicle; or vehicle noise dominates sound energy to the surfline.
Major	Vehicle noise dominates sound energy at distances greater than 60 meters inland from the vehicle; or vehicle noise levels at the surf line exceeds sound energy from the surf by 3 dBA.

Assumptions:

1. Surf sounds are estimated to be 55dBA – This is the upper value of a range identified in the literature for sound levels from surf (20-55dBA) and also corresponds with estimates of ambient levels at the surf from calculations using data collected by Volpe in 2008 (Median hourly Leq 56-68 dBA).
2. Median distance from the vehicles driving on the beach to the surf is 21 meters [based on information from park that the distance ranges from 18-26 meters (60-80)].