

From: [Mike Murray](#)
To: [Sandra Hamilton](#)
Cc: [carolm@rti.com](#); [Doug Wetmore](#); [lfox@louisberger.com](#); [nvandyke@louisberger.com](#)
Subject: Re: Fw: benefit cost analysis
Date: 06/21/2010 11:10 AM
Attachments: [Inlets & Cape Point Dates 2007-09.docx](#)

Sandy,

We've completed our review. Recordkeeping (maps, closure requests, etc.) improved in 2008, and the size/impact on access of the prenesting closures changed in 2008 under the consent decree; so confirming site closure dates was relatively easy to track and confirm in 2008 and 2009. The 2007 information was difficult to verify for some sites, because of short duration and the use of partial closures or site restrictions rather than full closures. To come up with the duration of "closures" required us to make some judgments about whether "partial access" is "access". For example, in 2007 the ocean shoreline south of the southern end of Pole Road to the "rip" at Hatteras Inlet was closed March 28 - June 30 (94 days); however, pedestrian access to the "rip" from the soundside side (via Spur Road) was open all but 2 days (safety closure after a storm). Does that mean the inlet was "closed" for 94 days or 2 days? In addition, in 2007 there were several short duration full closures at South Point, followed by day-time only access and it has been difficult to positively confirm the transition date between full and partial closures. In any case, we've tried to footnote and explain the 2007 dates.

In general, we considered "partial access" (such as pedestrian only, or daytime only) as "access", since under the consent decree access restrictions have generally been absolute (i.e., a complete closure to access). At best, the 2007 information represents our best estimate of the closure dates, based on beach access reports, closure requests, closures maps, and personal notes of staff discussions.



Inlets & Cape Point Dates 2007-09.docx

Mike Murray
Superintendent
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▼ [Sandra Hamilton/DENVER/NPS](#)

**Sandra
Hamilton/DENVER/NPS**

To Mike Murray/CAHA/NPS@NPS

0026838

06/17/2010 11:50 AM
cc carolm@rti.com, Doug Wetmore/DENVER/NPS@NPS,
lfox@louisberger.com, nvandyke@louisberger.com
Subject Re: Fw: benefit cost analysis

Thanks, Mike. (Assume you mean 2008 rather than 2002).

Sandy

Sandy Hamilton
Environmental Protection Specialist
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▼ [Mike Murray/CAHA/NPS](#)

**Mike
Murray/CAHA/NPS**

06/17/2010 09:07 AM

To Sandra Hamilton/DENVER/NPS@NPS
cc carolm@rti.com, Doug Wetmore/DENVER/NPS@NPS,
lfox@louisberger.com, nvandyke@louisberger.com
Subject Re: Fw: benefit cost analysis

We should have the 2002 and 2009 information readily available (since we needed it for court hearings). In 2007, full closures were sporadic and intermittent and will take longer to pull together, but we will work on it. Will require going through every weekly access report for 2007 and looking specifically for when individual spits and points were closed and reopened. Cyndy is out of the office all next week, so it may be week after next before we can provide it.

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▼ [Sandra Hamilton/DENVER/NPS](#)

Sandra

0026839

Hamilton/DENVER/NPS

06/17/2010 09:50 AM

To Mike Murray/CAHA/NPS@NPS,
nvandyke@louisberger.com, lfox@louisberger.com
cc Doug Wetmore/DENVER/NPS@NPS, carolm@rti.com
Subject Fw: benefit cost analysis

Hi Mike,

We'll need this info to respond to comments also. Does the park have it?

Sandy Hamilton
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----- Forwarded by Sandra Hamilton/DENVER/NPS on 06/17/2010 07:49 AM -----

"Mansfield, Carol A."
<carolm@rti.org>

06/16/2010 09:32 AM

To "Wetmore, Doug" <dwetmore@louisberger.com>,
<Sandra_Hamilton@nps.gov>
cc "Loomis, Ross" <rloomis@rti.org>, "Mansfield, Carol
A." <carolm@rti.org>
Subject benefit cost analysis

Hi Sandy and Doug,

We are working on the benefit-cost analysis. At least for the months of April to November, we think we will be able to calculate mean number of vehicles with confidence intervals by ramp. I think we can use these counts along with information on what parts of the beach were closed to say something about the number of ORV drivers who may be affected by the alternatives given when beaches will be open and closed.

Do you have a summary for 2007, 2008, and 2009 of the dates that at least the spits and points were open and closed between April and Nov?

Thanks,
Carol

Carol Mansfield, Ph.D. | Senior Economist | RTI International
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**Cape Hatteras National Seashore
ORV Management Plan/EIS**

2007 Dates that Popular Sites Closed and Re-opened (pre-nesting areas installed by April 1)

<u>Location</u>	<u>Closed</u>	<u>Re-opened</u>	<u># Days Closed</u>
Bodie Island Spit	July 15	August 16	32
Cape Point ¹	n/a	n/a	0
Hatteras Inlet “rip” ²	May 8	May 10	2
North Ocracoke ³	April 8	June 7	60
South Point Ocracoke	two closure periods for total of 3 days		3
	June 26 ⁴	June 28	(2)
	July 10 ⁵	July 11	(1)

¹ Open to ORVs/pedestrians from east side, but not from west side

² Open to pedestrians only from soundside (south of terminus of Spur Road). Pole Road safety closure after a storm prevented access to Spur Road May 8-9. Ocean shoreline approximately 0.3 mile south of Pole Road closed to ORVs and pedestrians as pre-nesting area on March 28, then reopened on June 30 (94 days closed).

³ Open to ORVs and pedestrian North of Ramp 59 approximately to the inlet.

⁴ Closed to access on June 26 (PIPL chicks); re-opened for daytime access on June 28; and re-opened to 24-hour access on July 2.

⁵ Closed to access on evening of July 9 (AMOY chick); re-opened for daytime access on July 11; and re-opened for 24-hour access on July 16.

2008 Dates that Popular Sites Closed and Re-opened (pre-nesting areas installed by March 15)

<u>Location</u>	<u>Closed</u>	<u>Re-opened</u>	<u># Days Closed</u>
Bodie Island Spit	May 5	August 26	113
Cape Point	May 5	Jul 22/29 (ped/ORV)	78/85
Hatteras Inlet “rip”	April 9	July 24	75
North Ocracoke	June 5	July 11	37
South Point Ocracoke	May 5	August 18	105

2009 Dates that Popular Sites Closed and Re-opened (pre-nesting areas installed by March 15)

<u>Location</u>	<u>Closed</u>	<u>Re-opened</u>	<u># Days Closed</u>
Bodie Island Spit	March 23	August 6	136
Cape Point	April 14	July 17/29 (ped/ORV)	101/113
Hatteras Inlet “rip”	March 11	July 15	125
North Ocracoke	May 9	August 28	111
South Pt. Ocracoke	May 22	August 9	80