

**From:** [Mike Murray](#)  
**To:** [Paul Stevens](#)  
**Cc:** [Jon Anglin](#); [Britta Muiznieks](#); [Darrell Echols](#)  
**Subject:** Shoreline Access signs  
**Date:** 11/12/2010 04:34 PM  
**Attachments:** [Ped shoreline access signs 111210.FINAL.docx](#)

---

Paul,

I've worked with Britta to revise the pedestrian shoreline access open/closure signs. Please review the attached revised sign design and let me know if you can live with the revised design, recognizing that we will want the sign maker to use a consistent style of prohibition symbols, preferably with the red circle and slash overlaying the activity symbol (like the No Vehicles and No Pets symbols in the attached), rather than the activity symbol being on top of the red circle and slash (like the No Horse symbol used in the attached). I couldn't find the desired style for the No Horses symbol.



Ped shoreline access signs 111210.FINAL.docx

I concur with Britta's suggestion that we should use regular Resource Closure signs (12" x 12" plastic Voss sign on 2"x2" wooden post) without string along the waterfront edge of the prenesting areas, rather than the more expensive red carsonite; then use the "shoreline access" open or closed signs in a larger format sign (e.g., 36"x24" for the YELLOW signs or 24"x24" for the white sign, of approximately same plastic material and thickness as the Voss signs), mounted on a 4"x4" wooden post at high tide line at each end of the prenesting area. In other words, for each prenesting area that has pedestrian shoreline access "open", we will need 1 yellow sign with a left-facing arrow and 1 with a right-facing arrow. For each such area that is a full beach closure (i.e., no pedestrian shoreline access allowed), we will need 2 of the closure signs (1 for each end).

We should plan to fund these signs and other resource management signs, sign pots, string, and carsonite (as needed) out of the permit fee revenue. To provide sufficient number of signs and replacements to last at least one complete breeding season, we expect we will need an initial order as follows :

100 of the yellow signs with left-facing arrow  
100 of the yellow signs with left facing arrow  
200 of the full closure signs

Thanks,

Mike Murray  
Superintendent  
Cape Hatteras NS/ Wright Brothers NMem/ Ft. Raleigh NHS  
(w) 252-473-2111, ext. 148  
(c) 252-216-5520  
fax 252-473-2595

CONFIDENTIALITY NOTICE

This message is intended exclusively for the individual or entity to which it is

0030204


addressed. This communication may contain information that is proprietary, privileged or confidential or otherwise legally exempt from disclosure.

----- Forwarded by Mike Murray/CAHA/NPS on 11/12/2010 04:10 PM -----

**Britta  
Muiznieks/CAHA/NPS**

11/10/2010 05:23 PM

To Mike Murray/CAHA/NPS@NPS  
cc Paul Stevens/CAHA/NPS@NPS, Thayer  
Broili/CAHA/NPS@NPS

Subject Re: shoreline signs 

Mike-

I'm fine with the wording on the signs. My only comment would be that the red circle with the diagonal line through it should be on top of the other graphic so that the red line passes over the top of the pedestrian/jeep/dog/horse (not underneath them).

My concern is that the red carsonite is expensive (~\$20/pc) and if spaced 100' apart will require approximately 52 signs/per mile. If they are left in place they will get washed out. I'm assuming that we are not using the spring high tide line for these pedestrian areas so these signs will at times be subject to inundation. Some areas will require lots of maintenance and other areas won't be so troublesome. Wooden stakes are much easier to replace and are available locally when compared to carsonite. We can experiment with painting them red to see if that makes them more visible or continue using the natural colored wooden stakes.

If you are thinking of going much bigger than the 12" X 12" closure signs that we currently put on our 2" X 2" wooden posts, I don't believe a 2" X 2" post will do a very good job of holding them in place. They would have to be placed on 4" X 4"s otherwise they will get blown around in the wind.

I know that in the past much of the sign money came out of the RM budget. Will the money for these signs/posts and sign replacement come out of the permit funds?

Britta Muiznieks  
Wildlife Biologist  
Cape Hatteras National Seashore

252-995-3740-**Office**  
252-475-8348-**Cell**  
252-995-6998-**FAX**

▼ [Mike Murray/CAHA/NPS](#)

**Mike  
Murray/CAHA/NPS**

To Britta Muiznieks/CAHA/NPS@NPS  
cc Thayer Broili/CAHA/NPS@NPS, Paul

11/09/2010 09:14 AM

Stevens/CAHA/NPS@NPS

Subject shoreline signs

Britta,

During your absence, I worked with the rangers on drafting language for the "shoreline access" signs that would be used to implement the provision in FEIS Table 10-1 for Prenesting Closures (highlighted section) that reads:

The NPS will determine the configuration of specific prenesting closures based on an annual habitat assessment. Once established at the beginning of the breeding season, these areas would not be reduced to accommodate an ORV corridor. Prenesting closures would be removed if no breeding activity is seen in the area by **Jul 31** (or **Aug 15** if black skimmers are present), or 2 weeks after all chicks have fledged, whichever comes later. Nonbreeding shorebird habitat protection would be implemented, as described later in this table, before prenesting areas are removed. **Pedestrian access along ocean and inlet shorelines below the high tide line will be permitted in front of (i.e., seaward of) prenesting areas until breeding activity is observed, then standard buffers for breeding activity would apply. The NPS retains discretion at all times to enforce more protective closures or take other measures, if considered necessary, consistent with its obligations under the law.**

In principle, the lateral boundaries of the prenesting area (i.e., perpendicular to the ocean) would be marked with typical symbolic fencing. The ocean shoreline boundary (parallel to the ocean at about the high tide line), which we currently do not post at all, would be periodically marked with RED carsonite posts (e.g., every 100 ft or so to provide a visible "guide line" along the shoreline, with every other red post having a CLOSURE sign attached to it facing the water), running from one lateral boundary to the next. Where the lateral boundary symbolic fence meets the shoreline would be posted one of two ways:

- 1) If the shoreline below the high tide line (seaward of the red posts) is open to pedestrians prior to breeding activity in the area, sign # 1a or 1b would be used. There are two versions of this sign - each has an arrow directing the reader toward the open area. The one pointing left would be posted on the east or north side of the closure. The one pointing right would be posted on the west or south side of the closure;
- 2) If breeding activity has occurred and portions or all of the shoreline area (seaward of the red posts) is closed, sign # 2 would be used (i.e., a complete shoreline closure).

In theory, when we transition from situation # 1 to situation #2, the only sign change that would be needed would be to replace sign(s) # 1 with sign # 2. The red carsonite would be left in place to provide additional notice to anyone who may try to come ashore within the closure.

Please review the attached draft sign language and propose any edits you think would improve the wording. Presumably these signs would be light weight on a single post for ease of installation and of similar material but larger (2-3X?) than the

typical resource closure signs. Note: The draft signs in the attached file are not numbered. The first two signs relate to situation #1 and the third sign relates to situation # 2.

[attachment "Ped shoreline access signs.v2.docx" deleted by Britta Muiznieks/CAHA/NPS]

Thanks,

Mike Murray  
Superintendent  
Cape Hatteras NS/ Wright Brothers NMem/ Ft. Raleigh NHS  
(w) 252-473-2111, ext. 148  
(c) 252-216-5520  
fax 252-473-2595

**CONFIDENTIALITY NOTICE**

This message is intended exclusively for the individual or entity to which it is addressed. This communication may contain information that is proprietary, privileged or confidential or otherwise legally exempt from disclosure.

# NOTICE

**Area beyond signs is  
closed to access**

**Shoreline below signs is  
open to pedestrian access**



**Stay on the water-side of closure signs**



**No Vehicles, No Pets, No Horses**



# NOTICE

**Area beyond signs is  
closed to access**

**Shoreline below signs is  
open to pedestrian access**



**Stay on the water-side of closure signs**



**No Vehicles, No Pets, No Horses**



# NOTICE

**Area closed to access  
including shoreline**

**No Pedestrians, No Vehicles**

**No Pets, No Horses**

