

From: [Van Dyke, Nancy](#)
To: [sandra_hamilton@nps.gov](#)
Subject: FW: CAHA route mileage summary
Date: 06/18/2010 07:26 AM
Attachments: [F-7_Calc.pdf](#)
[F-1_Calc.pdf](#)
[F-2_Calc.pdf](#)
[F-3_Calc.pdf](#)
[F-4_Calc.pdf](#)
[F-6_Calc.pdf](#)
[F-5_Calc.pdf](#)

From: Van Dyke, Nancy
Sent: Thursday, June 17, 2010 9:36 PM
To: Mike_Murray@nps.gov; Sandra_Hamilton@nps.gov
Cc: Fox, Lori; Byron, Rebecca; Smith, Spence; 'Richard Podolsky'; doug_wetmore@nps.gov
Subject: FW: CAHA route mileage summary

Sandy and Mike -
Here are the maps and mileages for the revised alternative, calculated using the red lines on the attached maps and assuming the villages are closed year round. The village miles (included in the closed YR) are provided separately so you can see what would happen if you change those .
Nancy

From: Schnabel, Joshua
Sent: Thursday, June 17, 2010 4:20 PM
To: Van Dyke, Nancy
Subject: CAHA route mileage summary

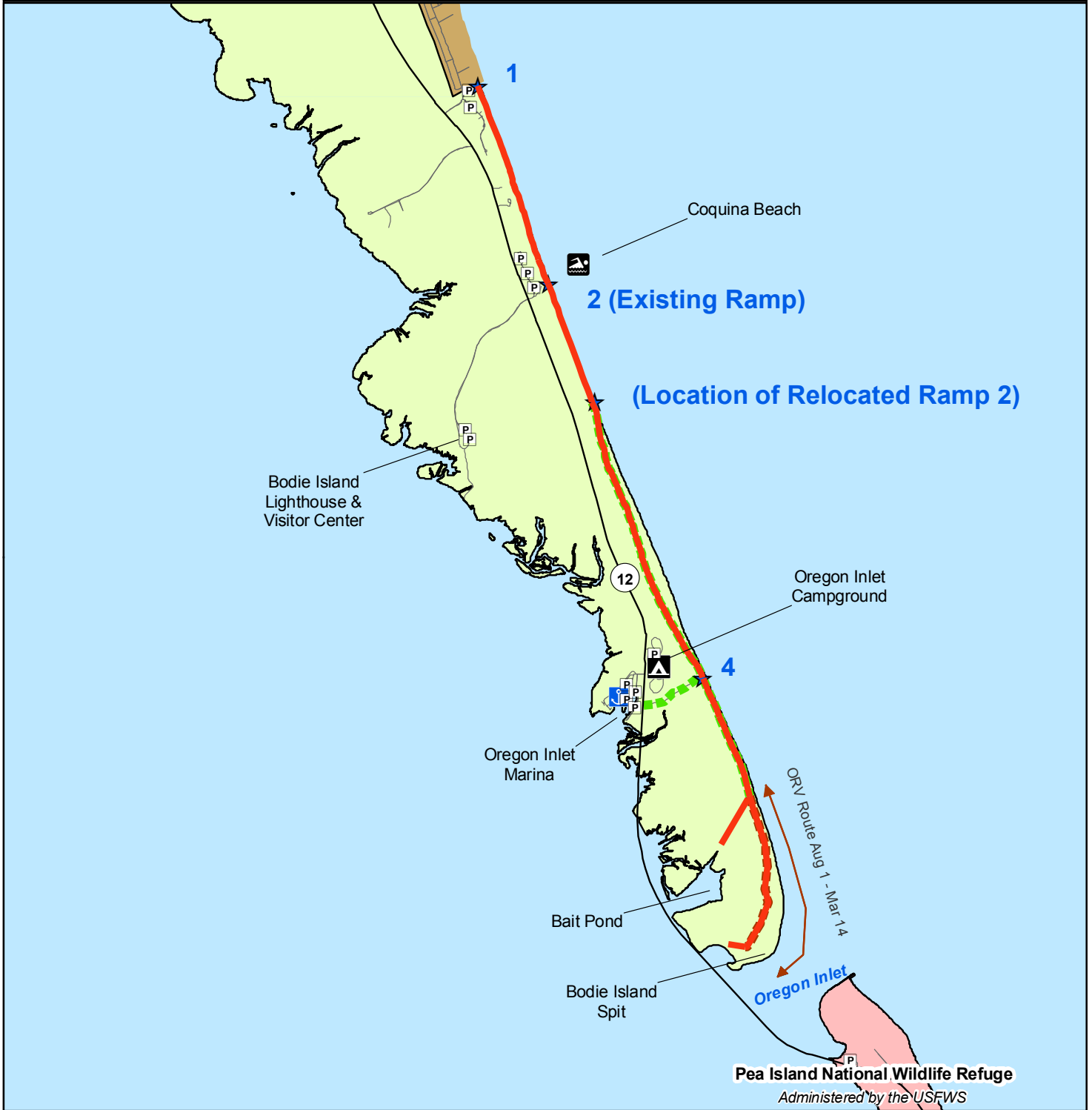
Hi Nancy,
Below is that summary data and attached are the maps which display, in red, which routes were included in the calculations.

Summary	All Seasonally Open	1.99150774	Villages	Rodanthe-Waves-Salvo	Closed to ORV YR	4.9
	All Closed YR	36.24125609		Avon	Closed to ORV YR	3.5
	All Open YR	29.53641447		Buxton	Closed to ORV YR	0.6
		67.7691783		Frisco	Closed to ORV YR	1.1
				Hatteras	Closed to ORV YR	2.1
						12.2

Josh Schnabel
Environmental Planner
Direct 303.985.6614
Main 303.985.6600
Fax 303.984.4942

The Louis Berger Group, Inc. | 12596 West Bayaud Street| Suite 201 | Lakewood, CO 80228-2031
www.louisberger.com

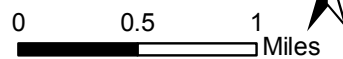
This message, including any attachments hereto, may contain privileged and/or confidential information and is intended solely for the attention and use of the intended addressee(s). If you are not the intended addressee, you may neither use, copy, nor deliver to anyone this message or any of its attachments. In such case, you should immediately destroy this message and its attachments and kindly notify the sender by reply mail. Unless made by a person with actual authority conferred by The Louis Berger Group, Inc., (Berger) the information and statements herein do not constitute a binding commitment or warranty by Berger. Berger assumes no responsibility for any misperceptions, errors or misunderstandings. You are urged to verify any information that is confusing and report any errors/concerns to us in writing.

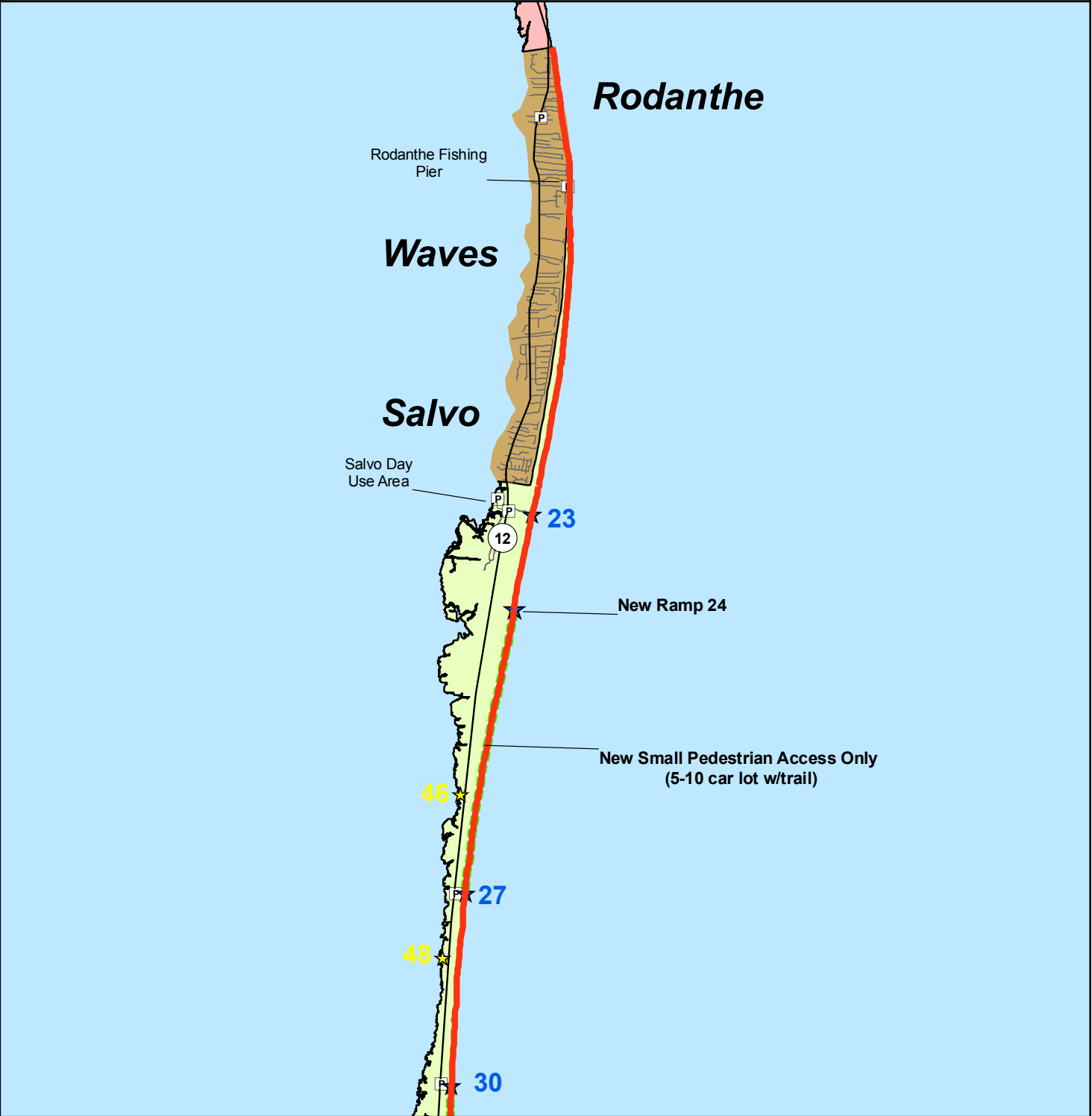


Legend

- | | | |
|----------------|--------------------------|--------------------------|
| CAHA Boundary | ORV Ramps | ORV Routes |
| PINWR Boundary | Oceanside Ramps | RoutesUsedInCalc_48Miles |
| Villages | Soundside Ramps | Open to ORV all year |
| Boat Ramps | US Hwy | Seasonally open/closed |
| Campgrounds | State Hwy | |
| Parking Lots | Other | |
| Swim Beaches | Ferry Route | |
| | RoutesUsedInCalc_48Miles | |
- *Areas open to ORV are subject to temporary closures or safety closures.

Alternative F
Map 1 of 7





Legend

<ul style="list-style-type: none"> CAHA Boundary PINWR Boundary Villages Boat Ramps Campgrounds Parking Lots Swim Beaches 	<p>ORV Ramps</p> <ul style="list-style-type: none"> Oceanside Ramps Soundside Ramps US Hwy State Hwy Other Ferry Route 	<p>ORV Routes</p> <ul style="list-style-type: none"> RoutesUsedInCalc_48Miles Open to ORV all year Seasonally open/closed <p>*Areas open to ORV are subject to temporary closures or safety closures.</p>	<p>Alternative F Map 2 of 7</p> <p>0 0.5 1 1.5 Miles</p>	<p>N</p>	
---	---	--	---	----------	--



Legend

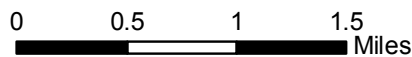
<ul style="list-style-type: none"> CAHA Boundary PINWR Boundary Villages Boat Ramps Campgrounds Parking Lots Swim Beaches 	<p>ORV Ramps</p> <ul style="list-style-type: none"> Oceanside Ramps Soundside Ramps US Hwy State Hwy Other Ferry Route 	<p>ORV Routes</p> <ul style="list-style-type: none"> RoutesUsedinCalc_48Miles Open to ORV all year Seasonally open/closed <p>*Areas open to ORV are subject to temporary resource or safety closures.</p>	<p>Alternative F Map 3 of 7</p> <p>0 0.5 1 1.5 Miles</p>	
---	---	--	---	--

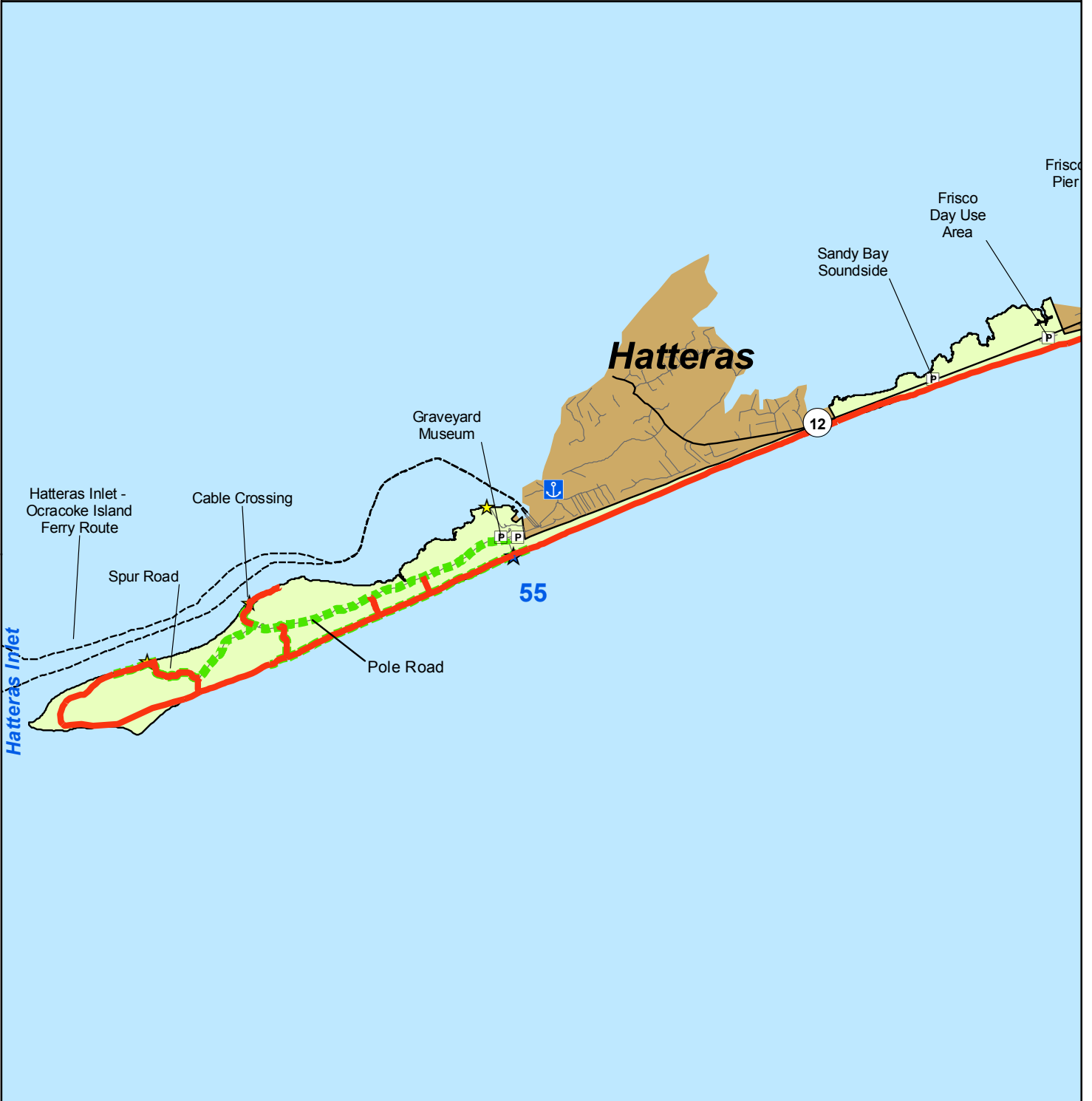


Legend

- | | | |
|----------------|--------------------------|---|
| CAHA Boundary | ORV Ramps | RoutesUsedInCalc_48Miles |
| PINWR Boundary | Oceanside Ramps | Open to ORV all year |
| Villages | Soundside Ramps | Seasonally open/closed |
| Boat Ramps | US Hwy | ORV Year Round w/restrictions |
| Campgrounds | State Hwy | <p>*Areas open to ORV
are subject to temporary
restrictions or safety closures.</p> |
| Parking Lots | Other | |
| Swim Beaches | Ferry Route | |
| | RoutesUsedInCalc_48Miles | |

Alternative F
Map 4 of 7

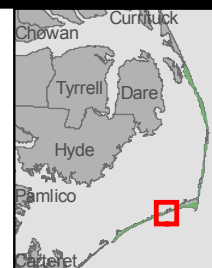
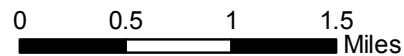


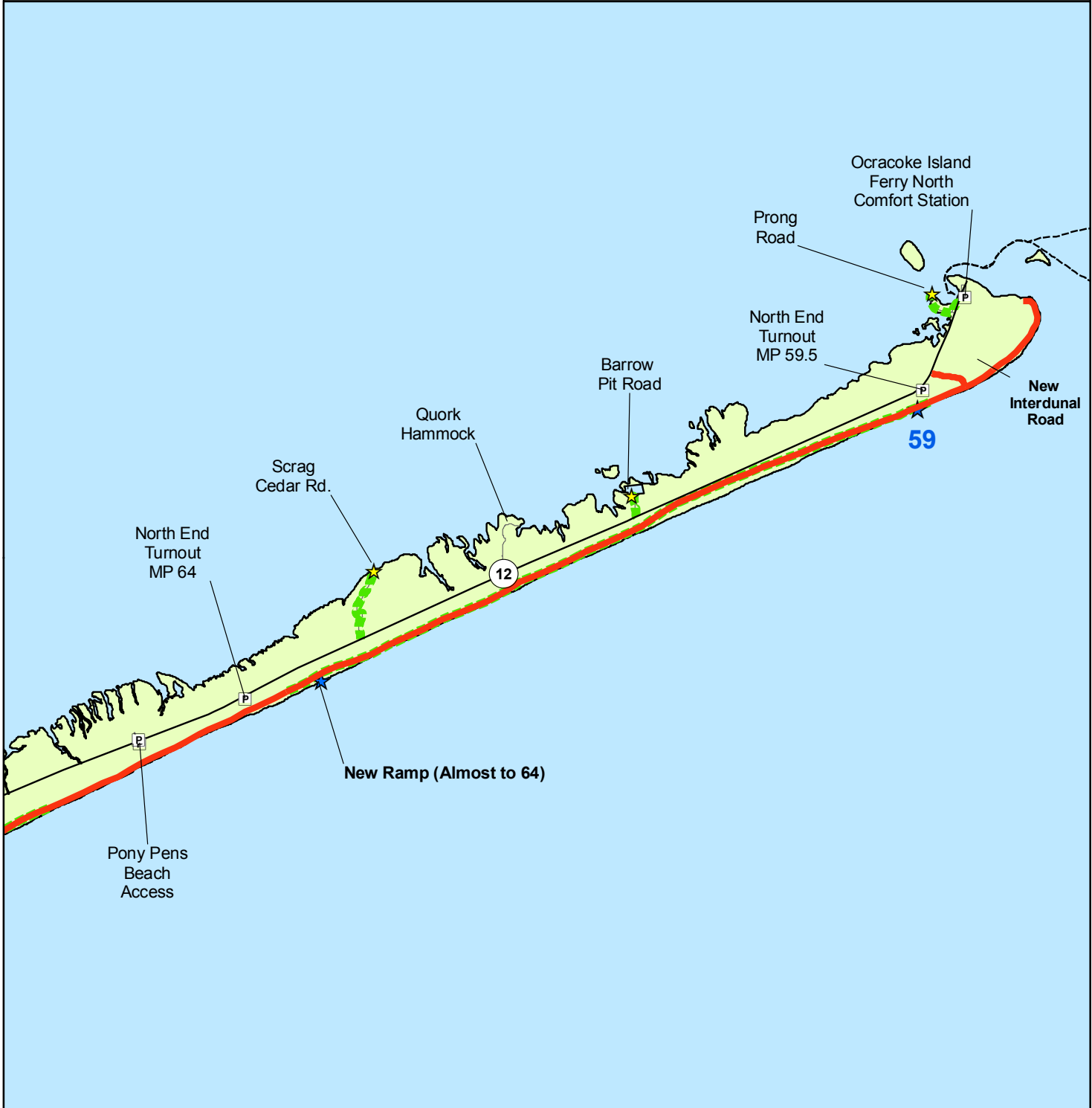


Legend

- | | | |
|----------------|---------------------|---|
| CAHA Boundary | ORV Ramps | ORV Routes |
| PINWR Boundary | Oceanside Ramps | RoutesUsedInCalc_v2 |
| Villages | Soundside Ramps | Open to ORV all year |
| Boat Ramps | US Hwy | Seasonally open/closed |
| Campgrounds | State Hwy | <p>*Areas open to ORV
are subject to temporary
resource or safety closures.</p> |
| Parking Lots | Other | |
| Swim Beaches | Ferry Route | |
| | RoutesUsedInCalc_v2 | |

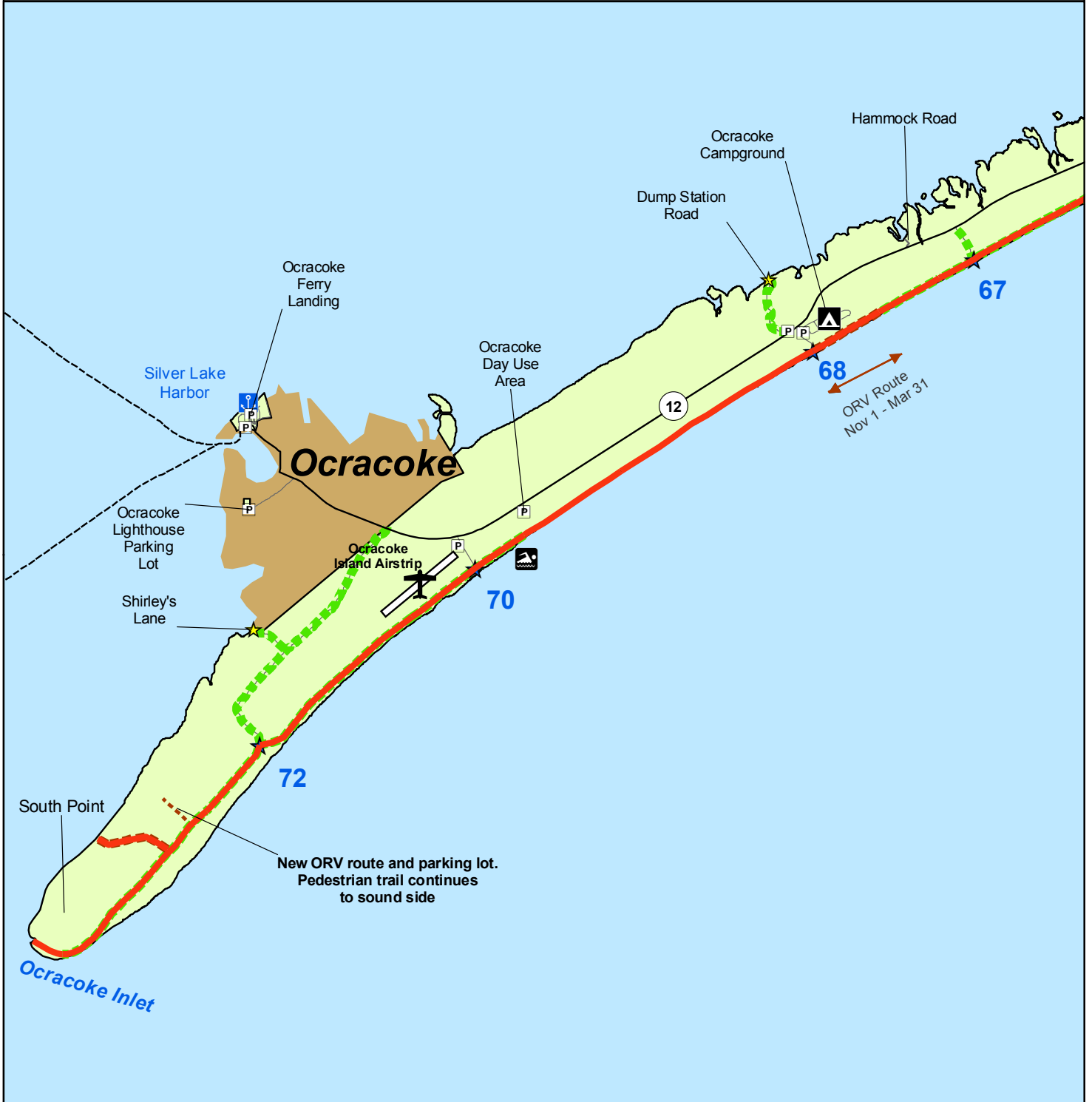
Alternative F
Map 5 of 7





Legend

<ul style="list-style-type: none"> CAHA Boundary PINWR Boundary Villages Boat Ramps Campgrounds Parking Lots Swim Beaches 	<p>ORV Ramps</p> <ul style="list-style-type: none"> Oceanside Ramps Soundside Ramps US Hwy State Hwy Other Ferry Route 	<p>ORV Routes</p> <ul style="list-style-type: none"> RoutesUsedinCalc_48Miles Open to ORV all year Seasonally open/closed <p>*Areas open to ORV are subject to temporary resource or safety closures.</p>	<p>Alternative F Map 6 of 7</p> <div style="text-align: right;"> </div>	
---	---	--	--	--



Legend

- | | | |
|----------------|------------------|-------------------------------|
| CAHA Boundary | ORV Ramps | RoutesUsedinCalc_48Miles |
| PINWR Boundary | Oceanside Ramps | Open to ORV all year |
| Villages | Soundside Ramps | Seasonally open/closed |
| Boat Ramps | US Hwy | ORV Year Round w/restrictions |
| Campgrounds | State Hwy | |
| Parking Lots | Other | |
| Swim Beaches | Ferry Route | |
- *Areas open to ORV are subject to temporary resource or safety closures.

Alternative F
Map 7 of 7

