Community Rating System Explorer

Sarah Hartman, Director of Conservation, TNC
Benefit of Increasing OSP Credit

Where Communities Earn Credit

- Series 300: Public Information
- Series 400: Mapping & Regulation
- Series 500: Flood Damage Reduction
- Series 600: Flood Preparedness

- Higher Regulatory Standards 35%
- Open Space Preservation 34%
- Floodplain Mapping 14%
- Stormwater Management 13%
- Flood Data Maintenance 4%
2014 NFIP CRS State Profile: South Carolina
NC Dare and Hyde Counties

Average of **546** currently eligible OSP points identified per community!

![Bar chart showing OSP points by community]
<table>
<thead>
<tr>
<th>My Community is:</th>
<th>CRS Tool</th>
</tr>
</thead>
<tbody>
<tr>
<td>New to CRS</td>
<td>ASFPM and CSO Green Guide</td>
</tr>
<tr>
<td>Ready to ID land that qualifies for Activity 420 Open Space Preservation (OSP)</td>
<td>NOAA How to Guide &amp; GIS Workflow</td>
</tr>
<tr>
<td>Looking to increase OSP and communicate OSP benefit</td>
<td>TNC CRS Explorer</td>
</tr>
<tr>
<td>Is maxed out for OSP BUT are looking for other areas to increase our CRS scores</td>
<td>Climate Central’s Surging Seas CRS Guide</td>
</tr>
</tbody>
</table>
CRS Explorer Tool

• Online map and point graph
• Downloadable maps for CRS application & review
• Look-up individual contributing parcels
• Assists with identifying future open space in the floodplain
  • By querying currently unprotected parcels based on tax value and/or potential OSP point contribution
Community Rating System

Download data for all eligible OSP areas for my CRS application

Nags Head NC

Open Space Preservation (OSP) 420 Activity Points

- Published Points: 251
- Eligible Points: 612

OSP 420 Elements Summary

- Current Class: 6 (OSP contributes 251 out of 2,164 total CRS points)
- Current NFIP Discounts: 20% for policy holders in floodplain & 10% outside of floodplain
- Impact Adjusted Special Flood Hazard Area: 2,787 acres
- Open Space Preservation (422a): 1,001 acres & 521 points
- Natural Functioning Open Space (422c): 504 acres & 32 points
- Coastal Erosion Open Space (422c): 173 acres & 47 points
- Natural Shoreline Protection (422g): 12 points in entire CRS

Map Legend

- Impact Adjusted Floodplain / SFHA
- Zones A and AE
- Zone VE
- Community Boundary
- OSP eligible areas
Kitty Hawk, NC - PIN: 987509156572

Owner Type: Private
Current Land Use: Vacant Land (Private)
Tax Value: 9400
Future OSP Eligible Acres: 51.27
Future OSP Points: 17.22
Deed Book Page: NA
Deed Date: NA

Open Space Preservation (OSP) 420 Activity Points

0 200 400 600 800 1000 1200 1400 1600 1800 2000

376 Published Points 602 Eligible Points 117 Future Points

Future OSP Parcels

Show Parcels by Query  Zoom to Parcels by PIN

Eligible Acres would be: > < 50 And Or
Tax Value is: > < $50,000
Find

Hide Query | Clear Query

117 Future OSP Points in 3 Parcels

51 acres | $9,400
144 acres | $0
153 acres | $29,800
## Considerations

### Need
- Currently a CRS Community?
- Do you have room to improve in the OSP activity?
  - Built out vs. undeveloped land
  - Any land use or management planning process you can influence?

### Capacity
- Data availability
  - Parcel data up to date and complete? Land Use/Type attributes
- Need a Data Manager/GIS lead (**Use NOAA’s How to Guide**):
  - Collect, compile, and format spatial data
  - ArcGIS 10.0 or above license
  - Community Data Import Model - Ability to open and interact with ArcToolbox.tbx

### What CRS Explorer Does Not Do:
- Is not a final analysis or score
- Identify points for other CRS elements
Where can I get more information?

TNC’s CRS Explorer Tool:
maps.coastalresilience.org/northcarolina
coastalresilience.org/project/community-rating-system-explorer
coastalresilience.org/project/open-space/

Complementary CRS Resources:
ASFPM and CSO’s “Green Guide”
NOAA’s Guide “How-To Map Open Space Preservation for Community Rating System Credits”
Climate Central’s Surging Seas CRS Guide