Maps of Charlotte County General Permit
Trafficshed Channels and Secondary Channels

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Foreword

This document is a collection of maps, prepared by Florida Sea Grant, that depict channels included in the Charlotte County General Permit (GP)\(^1\). Each map shows either (a) channel segments within a GP trafficshed\(^2\) or (b) segments in a GP secondary channel system (contains channels that route vessels from one or more trafficsheds to deep, open water). West Coast Inland Navigation District (WCIND) policy requires that navigational safety factors and/or the provision of access to public facilities determine eligibility of channel segments for inclusion in the GP.

Channel segments are symbolized by line thickness to highlight those for which dredging is anticipated under the GP given waterway depths measured during the field survey\(^3\). The symbology is determined by subtracting the measured MLLW\(^4\) depth of each channel segment from the GP depth (determined for the entire trafficshed or secondary channel system). If the difference is greater than zero, the status “GP Dredging Anticipated” is assigned. Otherwise, the status is “GP Dredging Not Anticipated.” Each map includes summary statistics of total GP channel length, total length of channel segments for which GP dredging is anticipated, and GP dredge depth.

The channel segments are waterway centerlines constructed from depths measured for the Charlotte County Regional Waterway Management System project (2013)\(^5\).


\(^2\) The term trafficshed is used to define an area that contains a concentration of boats that use a common channel, exclusive to the trafficshed, to gain access to secondary access channels and, ultimately, to deep, open water.

\(^3\) Select channel segments that are associated with Bass Inlet Secondary Channel (page 6), Beeney/Bangsburg/Severin Waterway (page 7), Dover Canal (page 12), and Santa Clara Canal (page 26) currently have adequate navigability, but are candidates for the GP based on the county maintenance program history and anticipated future maintenance needs.

\(^4\) Mean Lower Low Water tidal datum.

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Only those channels belonging to the trafficshed or secondary channel system are visible in the map.

- **GP Dredging Not Anticipated**
- **GP Dredging Anticipated**

Channel Restriction Category:

- Total GP channel length: 6,646 ft
- Anticipated dredge length: 4,459 ft
- Design Dredge Depth: 5 ft

Feet

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Only those channels belonging to the trafficshed or secondary channel system are visible in the map.

Channel Restriction Category

- GP Dredging Not Anticipated
- GP Dredging Anticipated

Total GP channel length: 5,927 ft
Anticipated dredge length: 3,486 ft
Design Dredge Depth: 3.5 ft
Alligator Bay Secondary Channel

Location of channels shown on map

Channel Restriction Category
- GP Dredging Not Anticipated
- GP Dredging Anticipated

Total GP channel length: 7,831 ft
Anticipated dredge length: 4,666 ft
Design Dredge Depth: 4.5 ft

Only those channels belonging to the trafficshed or secondary channel system are visible in the map.

Feet

0 820 1,640
Balboa Canal

Only those channels belonging to the trafficshed or secondary channel system are visible in the map.

Channel Restriction Category

- GP Dredging Not Anticipated
- GP Dredging Anticipated

Total GP channel length: 1,017 ft
Anticipated dredge length: 86 ft
Design Dredge Depth: 4.5 ft
Only those channels belonging to the trafficshed or secondary channel system are visible in the map.

Channel Restriction Category
- GP Dredging Not Anticipated
- GP Dredging Anticipated

Total GP channel length: 3,670 ft
Anticipated dredge length: 1,259 ft
Design Dredge Depth: 4.5 ft
Bass Inlet Secondary Channel

Only those channels belonging to the trafficshed or secondary channel system are visible in the map.

Channel Restriction Category
- GP Dredging Not Anticipated
- GP Dredging Anticipated

Total GP channel length: 3,435 ft
Anticipated dredge length: 0 ft
Design Dredge Depth: 4.5 ft
Only those channels belonging to the trafficshed or secondary channel system are visible in the map.

Channel Restriction Category
- GP Dredging Not Anticipated
- GP Dredging Anticipated

Total GP channel length: 3,141 ft
Anticipated dredge length: 0 ft
Design Dredge Depth: 3.5 ft
Only those channels belonging to the trafficshed or secondary channel system are visible in the map.

Channel Restriction Category

- GP Dredging Not Anticipated
- GP Dredging Anticipated

Total GP channel length: 726 ft
Anticipated dredge length: 726 ft
Design Dredge Depth: 3.5 ft
Canal Waterway

Only those channels belonging to the trafficshed or secondary channel system are visible in the map.

Channel Restriction Category
- GP Dredging Not Anticipated
- GP Dredging Anticipated

Total GP channel length: 3,828 ft
Anticipated dredge length: 2,854 ft
Design Dredge Depth: 4.5 ft
Countryman Waterway System

Only those channels belonging to the trafficshed or secondary channel system are visible in the map.

Channel Restriction Category

- GP Dredging Not Anticipated
- GP Dredging Anticipated

Total GP channel length: 4,709 ft
Anticipated dredge length: 1,595 ft
Design Dredge Depth: 4 ft
DeSoto Canal

Only those channels belonging to the trafficshed or secondary channel system are visible in the map.

Channel Restriction Category

- GP Dredging Not Anticipated
- GP Dredging Anticipated

Total GP channel length: 307 ft
Anticipated dredge length: 83 ft
Design Dredge Depth: 4.5 ft
Dover Canal

Location of channels shown on map:

Channel Restriction Category
- GP Dredging Not Anticipated
- GP Dredging Anticipated

Total GP channel length: 309 ft
Anticipated dredge length: 0 ft
Design Dredge Depth: 4.5 ft

Only those channels belonging to the trafficshed or secondary channel system are visible in the map.

Design Dredge Depth: 4.5 ft

0 340 680 Feet
Only those channels belonging to the trafficshed or secondary channel system are visible in the map.

Channel Restriction Category

- GP Dredging Not Anticipated
- GP Dredging Anticipated

Total GP channel length: 3,069 ft
Anticipated dredge length: 75 ft
Design Dredge Depth: 4.5 ft
El Jobean

Only those channels belonging to the trafficshed or secondary channel system are visible in the map.

Channel Restriction Category

- GP Dredging Not Anticipated
- GP Dredging Anticipated

Total GP channel length: 3,420 ft
Anticipated dredge length: 432 ft
Design Dredge Depth: 4.5 ft

<table>
<thead>
<tr>
<th>0</th>
<th>340</th>
<th>680</th>
<th>Feet</th>
</tr>
</thead>
</table>

Location of channels shown on map.
Gottfried Creek-Englewood Secondary Channel

Only those channels belonging to the trafficshed or secondary channel system are visible in the map.

Channel Restriction Category
- GP Dredging Not Anticipated
- GP Dredging Anticipated

Total GP channel length: 6,767 ft
Anticipated dredge length: 1,001 ft
Design Dredge Depth: 3.5 ft
Little Alligator Creek

Only those channels belonging to the trafficshed or secondary channel system are visible in the map.

Channel Restriction Category

- GP Dredging Not Anticipated
- GP Dredging Anticipated

Total GP channel length: 5,084 ft
Anticipated dredge length: 2,043 ft
Design Dredge Depth: 4.5 ft
Only those channels belonging to the trafficshed or secondary channel system are visible in the map.

Channel Restriction Category
- GP Dredging Not Anticipated
- GP Dredging Anticipated

Total GP channel length: 28,205 ft
Anticipated dredge length: 7,275 ft
Design Dredge Depth: 3.5 ft
Only those channels belonging to the trafficshed or secondary channel system are visible in the map.
Only those channels belonging to the trafficshed or secondary channel system are visible in the map.

Channel Restriction Category
- GP Dredging Not Anticipated
- GP Dredging Anticipated

Total GP channel length: 537 ft
Anticipated dredge length: 537 ft
Design Dredge Depth: 3.5 ft
Only those channels belonging to the trafficshed or secondary channel system are visible in the map.

Channel Restriction Category
- GP Dredging Not Anticipated
- GP Dredging Anticipated

Total GP channel length: 6,284 ft
Anticipated dredge length: 2,388 ft
Design Dredge Depth: 6.5 ft
Only those channels belonging to the trafficshed or secondary channel system are visible in the map.

Channel Restriction Category

- GP Dredging Not Anticipated
- GP Dredging Anticipated

Total GP channel length: 1,713 ft
Anticipated dredge length: 689 ft
Design Dredge Depth: 4.5 ft
Only those channels belonging to the trafficshed or secondary channel system are visible in the map.

Channel Restriction Category
- GP Dredging Not Anticipated
- GP Dredging Anticipated

Total GP channel length: 3,181 ft
Anticipated dredge length: 2,573 ft
Design Dredge Depth: 3.5 ft
Only those channels belonging to the trafficshed or secondary channel system are visible in the map.

Channel Restriction Category
- GP Dredging Not Anticipated
- GP Dredging Anticipated

Total GP channel length: 291 ft
Anticipated dredge length: 104 ft
Design Dredge Depth: 4.5 ft
Only those channels belonging to the trafficshed or secondary channel system are visible in the map.

Channel Restriction Category

- GP Dredging Not Anticipated
- GP Dredging Anticipated

Total GP channel length: 358 ft
Anticipated dredge length: 49 ft
Design Dredge Depth: 4.5 ft
Santa Barbara Canal

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Only those channels belonging to the trafficshed or secondary channel system are visible in the map.

Channel Restriction Category

- GP Dredging Not Anticipated
- GP Dredging Anticipated

Total GP channel length: 486 ft
Anticipated dredge length: 24 ft
Design Dredge Depth: 4.5 ft

Design Dredge Depth: 4.5 ft
Only those channels belonging to the trafficshed or secondary channel system are visible in the map.
Whidden Bay Secondary Channel

[Map image showing a secondary channel with location and depth indicators.]

Only those channels belonging to the trafficshed or secondary channel system are visible in the map.

Channel Restriction Category

- GP Dredging Not Anticipated
- GP Dredging Anticipated

Total GP channel length: 2,710 ft
Anticipated dredge length: 1,186 ft
Design Dredge Depth: 4.5 ft
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