This map is for emergency planning purposes only. Hurricane evacuation decision-making and growth management implementation are local responsibilities. Please consult with local authorities.

Notes:
1. Surge limits are based on still water storm tide height elevation above NAVD88 at high tide with no wave setup.
2. Total Storm Tide limits were derived from Maximum of Maximums surge heights over LIDAR based digital elevation.
3. The Points of Reference are locations determined to be relevant to emergency management officials.

Produced by FL Region Regional Planning Council for Florida Division of Emergency Management, 2011-2012
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Notes:
1. Surge limits are based on still water storm tide height at high tide with no wave setup.
2. Total Storm Tide limits were derived from Maximum of Maximums surge heights over LIDAR based digital elevation model.
3. The Points of Reference are locations determined to be relevant to emergency management officials.

Map Plate
USNG Page 17R NM 16 85
Printed Pages in Yellow
1:24,000 Scale

Volusia County, 2012
ATLAS LEGEND
- Hospital
- Points of Reference
- Evacuation Route
- City Limits
- NHD Lakes

Category 1
Dry
0 - 0.5 ft
0.5 - 1.5 ft
1.5 - 3 ft
3 - 5 ft
5 - 7 ft
7 - 10 ft
10 - 15 ft
15 - 20 ft
20 - 42 ft
This map is for emergency planning purposes only. Hurricane evacuation decision-making and growth management implementation are local responsibilities. Please consult with local authorities.

Notes:
1. Surge limits are based on still water storm tide height at high tide with no wave setup.
2. Total Storm Tide limits were derived from Maximum of Maximums surge heights over LIDAR based digital elevation.
3. The Points of Reference are locations determined to be relevant to emergency management officials.

Category 1
- Dry
- 0 - 0.5 ft
- 0.5 - 1.5 ft
- 1.5 - 3 ft
- 3 - 5 ft
- 5 - 7 ft
- 7 - 10 ft
- 10 - 15 ft
- 15 - 20 ft
- 20 - 42 ft
This map is for emergency planning purposes only. Hurricane evacuation decision-making and growth management implementation are local responsibilities. Please consult with local authorities.

Notes:
1. Surge limits are based on still water storm tide height above NAVD88 at high tide with no wave setup.
2. Total Storm Tide limits were derived from Maximum of Maximum surge heights over LIDAR based digital elevation.
3. The Points of Reference are locations determined to be relevant to emergency management officials.

Category 1
- Dry
- 0 - 0.5 ft
- 0.5 - 1 ft
- 1.5 - 2 ft
- 2 - 3 ft
- 3 - 5 ft
- 5 - 7 ft
- 7 - 10 ft
- 10 - 15 ft
- 15 - 20 ft
- 20 - 42 ft

Datum = NAD 1983, 1,000-m USNG
USNG Page 17R NM 24 85
Map Plate 025a
This map is for emergency planning purposes only. Hurricane evacuation decision-making and growth management implementation are local responsibilities. Please consult with local authorities.

1. Surge limits are based on still water above NAVD88 still water storm tide height at high tide with no wave setup.
2. Total Storm Tide limits were derived from Maximum of Maximum surge heights from LiDAR based digital elevation data.
3. The Points of Reference are locations determined to be necessary emergency management officials.

**Notes:**
- Storm Tide Depth
- Points of Reference
- Evacuation Route
- City Limits
- NHD Lakes

**ATLAS LEGEND**
- Hospital
- Points of Reference
- Evacuation Route
- City Limits
- NHD Lakes

**US National Grid**
- 100,000-m Square ID
- NM
- Grid Zone Designation: 17R
- Datum: NAD 1983, 1,000-m USNG

**Scale:** 1:24,000

**Map Plate:** 17R NM 12 90

Produced by FL Region Regional Planning Council for Florida Division of Emergency Management, 2011-2012
This map is for emergency planning purposes only. Hurricane evacuation decision-making and growth management implementation are local responsibilities. Please consult with local authorities.

Notes:
1. Surge limits are based on still water storm tide height, elevation above NAVD88 at high tide with no wave setup.
2. Total Storm Tide limits were derived from Maximum of Maximums surge heights over LIDAR based digital elevation.
3. The Points of Reference are locations determined to be relevant to emergency management officials.

### Storm Tide Depth

**Category 1**

- **Dry**
- **0 - 0.5 ft**
- **0.5 - 1.5 ft**
- **1.5 - 3 ft**
- **3 - 5 ft**
- **5 - 7 ft**
- **7 - 10 ft**
- **10 - 15 ft**
- **15 - 20 ft**
- **20 - 42 ft**

Data from NAD 1983, 1,000-m USNG

Datum = NAD 1983, 1,000-m USNG

Printed Pages in Yellow

Scale: 1:24,000

Map Plate 068

Volusia County, 2012

Category 1 Dry

- **0 - 0.5 ft**
- **0.5 - 1.5 ft**
- **1.5 - 3 ft**
- **3 - 5 ft**
- **5 - 7 ft**
- **7 - 10 ft**
- **10 - 15 ft**
- **15 - 20 ft**
- **20 - 42 ft**

USNG Page 17R NN 16 00

Map Plate 068

Scale 1:24,000
This map is for emergency planning purposes only. Hurricane evacuation decision-making and growth management implementation are local responsibilities. Please consult with local authorities.

Notes:
1. Surge limits are based on still water (zero wave height) and are referenced to NAVD88 at high tide with no wave setup.
2. Total Storm Tide Limits were derived from Maximum of Maximums surge heights over USGS based digital elevation model.
3. The Points of Reference are locations determined to be relevant to emergency management officials.

Datum = NAD 1983, 1,000-m USNG

Produced by FLRegion Regional Planning Council for Florida Division of Emergency Management, 2011-2012
This map is for emergency planning purposes only. Hurricane evacuation decision-making and growth management implementation are local responsibilities. Please consult with local authorities.

Notes:
1. Surge limits are based on all water flow over land and calculated with allowance for time to develop at high tide with no wave setup.
2. Total Storm Tide limits were derived from Maximum Surge Heights over LIDAR based digital elevation model (DEM).
3. The Points of Reference are locations determined to be necessary emergency management needs.

<table>
<thead>
<tr>
<th>Category 1</th>
<th>Storm Tide Depth</th>
</tr>
</thead>
<tbody>
<tr>
<td>0 - 0.5 ft</td>
<td></td>
</tr>
<tr>
<td>0.5 - 1 ft</td>
<td></td>
</tr>
<tr>
<td>1.5 - 2 ft</td>
<td></td>
</tr>
<tr>
<td>2.5 - 3 ft</td>
<td></td>
</tr>
<tr>
<td>3.5 - 4 ft</td>
<td></td>
</tr>
<tr>
<td>4.5 - 5 ft</td>
<td></td>
</tr>
<tr>
<td>5.5 - 6 ft</td>
<td></td>
</tr>
<tr>
<td>6.5 - 7 ft</td>
<td></td>
</tr>
<tr>
<td>7.5 - 8 ft</td>
<td></td>
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<tr>
<td>8.5 - 9 ft</td>
<td></td>
</tr>
<tr>
<td>9.5 - 10 ft</td>
<td></td>
</tr>
<tr>
<td>10.5 - 11 ft</td>
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</tr>
<tr>
<td>11.5 - 12 ft</td>
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<tr>
<td>12.5 - 13 ft</td>
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<td>13.5 - 14 ft</td>
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<tr>
<td>18.5 - 19 ft</td>
<td></td>
</tr>
<tr>
<td>19.5 - 20 ft</td>
<td></td>
</tr>
</tbody>
</table>

Produced by FLRegion Regional Planning Council for Florida Division of Emergency Management, 2011-2012
This map is for emergency planning purposes only. Hurricane evacuation decision-making and growth management implementation are local responsibilities. Please consult with local authorities.

Notes:
1. Surge limits are based on all water elevations (tides) at high tide with no wave setup.
2. Total Storm Tide limits were derived from Maximum of Maximums surge heights over LIDAR based digital elevation above NAVD88 still water storm tide height.
3. The Points of Reference are locations determined to be relevant to emergency management officials.

Storm Tide Depth
Volusia County, 2012
Scale 1:24,000

Map Plate 096
This map is for emergency planning purposes only. Hurricane evacuation decision-making and growth management implementation are local responsibilities. Please consult with local authorities.
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Grid Zone Designation

US National Grid
100,000-m Square ID
MN
Grid Zone Designation 17R
Datum = NAD 1983, 1,000-m USNG

Notes:
1. Surge limits are based on 24 hr ocean storm wave height at high tide with no wave setup.
2. The Surge limits were derived from Maximum Storm Surge Height (MSSH) data.
3. The Points of Reference are selected to be accessible to emergency management officials.

ATLAS LEGEND
HOSPITAL
Points of Reference
Evacuation Route
City Limits
NHD Lakes

Storm Tide Depth
Volusia County, 2012
Scale 1:24,000
USNG Page 17R MN 96 25
Map Plate 139

Produced by Florida Regional Planning Council for Florida Division of Emergency Management, 2011-2012
Notes:
1. Surge limits are based on 100-year storm surge height at high tide with no wave setup.
2. Total Storm Tide limits were derived from maximum surge heights over LIDAR based digital elevation data.
3. The Points of Reference are locations determined to be relevant to emergency management officials.

ATLAS LEGEND

- Hospital
- Points of Reference
- Evacuation Route
- City Limits
- NHD Lakes

Notes:
1. Surge limits are based on 100-year storm surge height at high tide with no wave setup.
2. Total Storm Tide limits were derived from maximum surge heights over LIDAR based digital elevation data.
3. The Points of Reference are locations determined to be relevant to emergency management officials.

Storm Tide Depth
Volusia County, 2012
Scale 1:24,000
USNG Page 17R NN 00 25
Map Plate 140

This map is for emergency planning purposes only. Hurricane evacuation decision-making and growth management implementation are local responsibilities. Please consult with local authorities.
Please consult with local authorities.

Storm Tide Depth

Volusia County, 2012

Scale 1:24,000

USNG Page 17R MN 92 35

Map Plate 172

Notes:
1. Surge limits are based on all water above the mean lower low water level at high tide with no wave setup.
2. Total Storm Tide limits were derived from Maximum of Maximum surge heights over USGS based digital elevation model.
3. The Points of Reference are locations determined to be relevant to emergency management officials.

ATLAS LEGEND

HOSPITAL
Points of Reference
Evacuation Route
City Limits
NHD Lakes

<table>
<thead>
<tr>
<th>Category</th>
<th>0 - 0.5 ft</th>
<th>0.5 - 1.5 ft</th>
<th>1.5 - 3 ft</th>
<th>3 - 7 ft</th>
<th>7 - 10 ft</th>
<th>10 - 15 ft</th>
<th>15 - 20 ft</th>
<th>20 - 40 ft</th>
</tr>
</thead>
</table>

US National Grid 100,000-m Square ID
MN
Grid Zone Designation 17R
Datum - NAD 1983, 1,000-m USNG

Produced by FL Region Regional Planning Council for Florida Division of Emergency Management, 2011-2012
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This map is for emergency planning purposes only. Hurricane evacuation decision-making and growth management implementation are local responsibilities. Please consult with local authorities.

Notes:
1. Surge limits are based on still water storm tide height at high tide with no wave setup.
2. Total Storm Tide limits were derived from Maximum of Maximums surge heights over LIDAR based digital elevation.
3. The Points of Reference are locations determined to be relevant by emergency management officials.

Datum = NAD 1983, 1,000-m USNG

USNG Page 17R MN 88 40
Map Plate 197

Scale 1:24,000

Dry
0 - 0.5 ft
0.5 - 1.5 ft
1.5 - 3 ft
3 - 5 ft
5 - 7 ft
7 - 10 ft
10 - 15 ft
15 - 20 ft
20 - 42 ft