

Attachment N: Boating Activity Study Update

Boating Activity Study Update

Background

A total of 47 marine facilities located along the Intracoastal Waterway (ICW) and the county's eastern shoreline, including the Halifax and Indian Rivers, the Tomoka River, Spruce Creek and tributaries were surveyed. Along the St. Johns River (SJR) and tributaries, 31 boat related facilities were surveyed. These included facilities which were located outside of Volusia County, but which could contribute to the boating traffic in the waterway. The total number of surveyed facilities came to 78, and is represented in the "Marinas Surveyed in Volusia County 2001" chart on the following pages.

However, for the purposes of this study update we have chosen to limit the facilities under consideration to those that are located within the Volusia County borders. To accurately calculate the present marine facility supply for Volusia County, facilities that are not located within the county's geographical boundaries were excluded. This study area is reflected in the charts labeled "Volusia County Study Area Marina Capacity."

Present Marina Supply

After eliminating marina facilities outside county boundaries the study area was reduced to 66 total facilities, 44 on the ICW and 22 on the SJR. The 66 marinas have a total of 3,265 wet slips and 921 dry slips. The ICW has 2,139 wet slips and 726 dry slips while the SJR has 1,126 wet slips and 195 dry slips. In total, Volusia County has a wet and dry slip supply of 4,186.

Marina Slip Occupancy

The current marina occupancy rate for facilities located in Volusia County is 80%. Marina occupancy was determined by totaling the number of wet and dry slips occupied on the ICW and SJR and dividing that number by the total number of available wet and dry slips. The ICW has an occupancy rate of 88% and the SJR has an occupancy rate of 63%.

Water Body Percentage

Water body percentages were calculated for the ICW and SJR to determine how much of the actual demand is placed on each individual waterway. The percentages were calculated by dividing the number of occupied wet and dry slips for the ICW and SJR combined (3,364). The water body percentage is 75% (2,528/3,364) for the ICW and 25% (836/3,364) for the SJR. These figures will be useful when predicting future slip demand for each waterway.

Marina Slip Demand

The marina slip occupancy rates of 88% for the ICW and 63% for the SJR translate into a slip demand. The ICW has a demand of 1,832 wet slips and 696 dry slips. And the SJR has a demand of 721 wet slips and 115 dry slips. Volusia County's wet slip demand is 2,553 and its dry slip demand is 811, yielding a total marina slip demand of 3,364. Comparing the supply listed previously, to the demand yields a surplus of 822 wet and dry slips. A further breakdown illustrates a surplus of 307 wet slips and 30 dry slips on the ICW and a surplus of 405 wet slips and 80 dry slips on the SJR.

Dividing Volusia County's total marina slip demand of 3,354 by the number of registered Volusia County boaters in 1999/2000 (24,202) yields a marina demand rate of 13.8%. It should be noted that 2000/2001 registration figures were not readily available and also that the 24,202 figure, due to a change in tabulation methods by the state, is a projected value.

Marina Slip Projections

Utilizing the 13.8% marina demand noted earlier and the projected growth rate of registered boaters in Volusia County of 2.7%, total slip demand can be determined. The Volusia County registered boater growth rate was determined by finding the percentage increases for existing registration figures (1996 – 1999) and calculating their average. We have illustrated the projected slip demand on Volusia County through the year 2015, in total, and by water body. The 75% ICW and 25% SJR water body percentages were used in predicting future slip demand for each individual waterway.

Conclusion

As can be seen in the chart, there is a surplus of marina slips on the ICW until the year 2005. By the year 2005, 2 additional slips will be required, and by the year 2010, 404 additional slips will be required. On the SJR there is a surplus of marina slips until the year 2020, by which time 92 additional slips will be required. These projections prove to be consistent with the present marina occupancy rates for each water body. As noted previously the ICW has an occupancy rate of 88% and the SJR has an occupancy rate of 63%. The ICW's greater occupancy rate explains the larger future slip demand for the ICW than for the SJR.

| Marinas Surveyed in Volusia County 2001 | | | | | | |
|--|------------------|-----------------------|------------------|-----------------------|-------------------|-------------------|
| Halifax and Indian Rivers | | | | | | |
| Marina | Wet Slips | Wet Slips Occ. | Dry Slips | Dry Slips Occ. | % Wet Occ. | % Dry Occ. |
| Adventure Yacht Club | 150 | 150 | 0 | 0 | 100.0% | 0.0% |
| Aloha Marina * | 0 | 0 | 0 | 0 | 0.0% | 0.0% |
| Angler's Yacht Club | 17 | 12 | 10 | 8 | 70.5% | 80.0% |
| Aunt Catfish ** | 10 | 7 | 0 | 0 | 70.0% | 0.0% |
| Bouchelle Island Condo ** | 85 | 31 | 30 | 18 | 36.4% | 60.0% |
| Brigadoon Fish Camp * | 0 | 0 | 0 | 0 | 0.0% | 0.0% |
| Cameron's Marina | 42 | 35 | 0 | 0 | 83.3% | 0.0% |
| Captain's Quarters Condo | 4 | 4 | 0 | 0 | 100.0% | 0.0% |
| Causeway Marina | 40 | 40 | 70 | 70 | 100.0% | 100.0% |
| City of New Smyrna Beach Marina | 40 | 40 | 0 | 0 | 100.0% | 0.0% |
| Critter Fleet | 10 | 7 | 0 | 0 | 70.0% | 0.0% |
| Daytona Beach Riverhouse ** | 10 | 10 | 0 | 0 | 100.0% | 0.0% |
| Daytona Marine and Boat Works | 300 | 270 | 0 | 0 | 90.0% | 0.0% |
| Diamond Head Point Condo ** | 35 | 35 | 0 | 0 | 100.0% | 0.0% |
| Edgewater Landing ** | 0 | 0 | 134 | 134 | 0.0% | 100.0% |
| English Jim's Marina | 85 | 60 | 0 | 0 | 70.5% | 0.0% |
| Fishin' Cove | 15 | 15 | 90 | 90 | 100.0% | 100.0% |
| Gerry's Marina | 15 | 15 | 0 | 0 | 100.0% | 0.0% |
| Goodrich Seafood * | 0 | 0 | 0 | 0 | 0.0% | 0.0% |
| Halifax Harbor Marina | 560 | 532 | 49 | 49 | 95.0% | 100.0% |
| Halifax Harbor Yacht Club | 39 | 36 | 0 | 0 | 92.3% | 0.0% |
| Howard's Bait and Tackle | 7 | 5 | 0 | 0 | 71.4% | 0.0% |
| Indian Mound Fish Camp | 0 | 0 | 0 | 0 | 0.0% | 0.0% |
| Inlet Cove | 11 | 11 | 0 | 0 | 100.0% | 0.0% |
| Inlet Harbor (95" was Ponce D.W. Landing) | 45 | 39 | 230 | 225 | 86.6% | 97.8% |
| Inlet Marina Condo ** | 64 | 64 | 0 | 0 | 100.0% | 0.0% |
| J.B's Fish Camp ** | 8 | 2 | 0 | 0 | 25.0% | 0.0% |
| King's Seafood ** | 11 | 11 | 0 | 0 | 100.0% | 0.0% |
| Lefil's Fish Camp | 25 | 13 | 0 | 0 | 52.0% | 0.0% |
| Lighthouse Boat Yard | 23 | 23 | 0 | 0 | 100.0% | 0.0% |
| Lopez Fish Camp | 49 | 19 | 0 | 0 | 38.8% | 0.0% |
| Marina Bay Condo ** | 16 | 3 | 0 | 0 | 18.8% | 0.0% |
| Marina Point Condo ** | 37 | 34 | 0 | 0 | 91.9% | 0.0% |
| Marina Port Orange | 40 | 40 | 20 | 10 | 100.0% | 50.0% |
| Marker 33 ** | 38 | 24 | 0 | 0 | 63.2% | 0.0% |
| Matthew's Marina (95" was Images Marine) | 20 | 16 | 0 | 0 | 80.0% | 0.0% |
| Riverplace 100 ** | 8 | 5 | 0 | 0 | 62.5% | 0.0% |
| Riverview Hotel ** | 8 | 3 | 0 | 0 | 37.5% | 0.0% |
| Sea Harvest ** | 0 | 0 | 0 | 0 | 0.0% | 0.0% |
| Seabreeze Bridge ** | 60 | 56 | 0 | 0 | 93.3% | 0.0% |
| Seven Seas Marina | 40 | 40 | 68 | 68 | 100.0% | 100.0% |
| Symrna Yacht Club | 77 | 67 | 0 | 0 | 87.0% | 0.0% |
| The Fishin' Store (95" was Seafarer Marine) | 6 | 6 | 0 | 0 | 100.0% | 0.0% |
| Thirty Eight Live Bait ** | 18 | 18 | 1 | 0 | 100.0% | 0.0% |
| Tomoka Boat Club | 31 | 14 | 24 | 24 | 45.2% | 100.0% |
| Venetian Villas | 28 | 14 | 0 | 0 | 50.0% | 0.0% |
| Waterway East and West Condo | 12 | 6 | 0 | 0 | 50.0% | 0.0% |
| Totals/ICW Wet/Dry Occupancy: | 2139 | 1832 | 726 | 696 | 86% | 96% |
| * Not in operation in 2001 - see 1995 data | | | | | | |
| ** Not surveyed in 1995 | | | | | | |
| The final percentages in the % Wet Occ. and % Dry Occ. columns were arrived at by using the final totals for numbers of wet and dry slips. | | | | | | |
| | | | | | | |

| Volusia County Study Area Marina Capacity 2 2001 | | | | | | |
|---|------------------|-----------------------|------------------|-----------------------|-------------------|-------------------|
| Halifax and Indian Rivers | | | | | | |
| Marina | Wet Slips | Wet Slips Occ. | Dry Slips | Dry Slips Occ. | % Wet Occ. | % Dry Occ. |
| Adventure Yacht Club | 150 | 150 | 0 | 0 | 100.0% | 0.0% |
| Aloha Marina * | 0 | 0 | 0 | 0 | 0.0% | 0.0% |
| Angler's Yacht Club | 17 | 12 | 10 | 8 | 70.5% | 80.0% |
| Aunt Catfish ** | 10 | 7 | 0 | 0 | 70.0% | 0.0% |
| Bouchelle Island Condo ** | 85 | 31 | 30 | 18 | 36.4% | 60.0% |
| Brigadoon Fish Camp * | 0 | 0 | 0 | 0 | 0.0% | 0.0% |
| Cameroon's Marina | 42 | 35 | 0 | 0 | 83.3% | 0.0% |
| Captain's Quarter Condo | 4 | 4 | 0 | 0 | 100.0% | 0.0% |
| Causeway Marina | 40 | 40 | 70 | 70 | 100.0% | 100.0% |
| City of New Symrna Beach Marina | 40 | 40 | 0 | 0 | 100.0% | 0.0% |
| Critter Fleet | 10 | 7 | 0 | 0 | 70.0% | 0.0% |
| Daytona Beach Riverhouse ** | 10 | 10 | 0 | 0 | 100.0% | 0.0% |
| Daytona Marine and Boat Works | 300 | 270 | 0 | 0 | 90.0% | 0.0% |
| Diamond Head Point Condo ** | 35 | 35 | 0 | 0 | 100.0% | 0.0% |
| Edgewater Landing ** | 0 | 0 | 134 | 134 | 0.0% | 100.0% |
| English Jim's Marina | 85 | 60 | 0 | 0 | 70.5% | 0.0% |
| Fishin' Cove | 15 | 15 | 90 | 90 | 100.0% | 100.0% |
| Gerry's Marina | 15 | 15 | 0 | 0 | 100.0% | 0.0% |
| Goodrich Seafood * | 0 | 0 | 0 | 0 | 0.0% | 0.0% |
| Halifax Harbor Marina | 560 | 532 | 49 | 49 | 95.0% | 100.0% |
| Halifax Harbor Yacht Club | 39 | 36 | 0 | 0 | 92.3% | 0.0% |
| Howard's Bait and Tackle | 7 | 5 | 0 | 0 | 71.4% | 0.0% |
| Indian Mound Fish Camp | 0 | 0 | 0 | 0 | 0.0% | 0.0% |
| Inlet Cove | 11 | 11 | 0 | 0 | 100.0% | 0.0% |
| Inlet Harbor (95" was Ponce D.W. Landing) | 45 | 39 | 230 | 225 | 86.6% | 97.8% |
| Inlet Marina Condo ** | 64 | 64 | 0 | 0 | 100.0% | 0.0% |
| J.B's Fish Camp ** | 8 | 2 | 0 | 0 | 25.0% | 0.0% |
| King's Seafood ** | 11 | 11 | 0 | 0 | 100.0% | 0.0% |
| Lefil's | 25 | 13 | 0 | 0 | 52.0% | 0.0% |
| Lighthouse Boat Yard | 23 | 23 | 0 | 0 | 100.0% | 0.0% |
| Lopez Fish Camp | 49 | 19 | 0 | 0 | 38.8% | 0.0% |
| Marina Bay Condo ** | 16 | 3 | 0 | 0 | 18.8% | 0.0% |
| Marina Point Condo ** | 37 | 34 | 0 | 0 | 91.9% | 0.0% |
| Marina Port Orange | 40 | 40 | 20 | 10 | 100.0% | 50.0% |
| Marker 33 ** | 38 | 24 | 0 | 0 | 63.2% | 0.0% |
| Matthew's Marina (95" was Images Marine) | 20 | 16 | 0 | 0 | 80.0% | 0.0% |
| Riverplace 100 ** | 8 | 5 | 0 | 0 | 62.5% | 0.0% |
| Riverview Hotel ** | 8 | 3 | 0 | 0 | 37.5% | 0.0% |
| Sea Harvest ** | 0 | 0 | 0 | 0 | 0.0% | 0.0% |
| Seabreeze Bridge ** | 60 | 56 | 0 | 0 | 93.3% | 0.0% |
| Seven Seas Marina | 40 | 40 | 68 | 68 | 100.0% | 100.0% |
| Symrna Yacht Club | 77 | 67 | 0 | 0 | 87.0% | 0.0% |
| The Fishin' Store (95" was Seafarer Marine) | 6 | 6 | 0 | 0 | 100.0% | 0.0% |
| Thirty Eight Live Bait ** | 18 | 18 | 1 | 0 | 100.0% | 0.0% |
| Tomoka Boat Club | 31 | 14 | 24 | 24 | 45.2% | 100.0% |
| Venetian Villas | 28 | 14 | 0 | 0 | 50.0% | 0.0% |
| Waterway East and West Condo | 12 | 6 | 0 | 0 | 50.0% | 0.0% |
| Totals/ICW Wet/Dry Occupancy: | 2139 | 1832 | 726 | 696 | 86% | 96% |
| * Not in operation in 2001 - see 1995 data | | | | | | |
| ** Not surveyed in 1995 | | | | | | |
| <i>The final percentages in the % Wet Occ. and % Dry Occ. columns were arrived at by using the final totals for numbers of wet and dry slips.</i> | | | | | | |

ICW And St. Johns Combined Totals And Slip Occupancy Rate 2001

| Area Of Focus | Wet and Dry Supply | Wet and Dry Demand | Slip Occupancy Rate |
|--|---------------------------|---------------------------|----------------------------|
| Marinas Surveyed Halifax/Indian Rivers | 2865 | 2528 | 88% |
| Marinas Surveyed St. Johns River | 2889 | 2098 | 73% |
| Combined | 5754 | 4626 | 80% |
| Study Area Halifax/Indian Rivers | 2865 | 2528 | 88% |
| Study Area St. Johns River | 1321 | 836 | 63% |
| Combined | 4186 | 3364 | 80% |

Volusia County Boater Registration Projections 2000 - 2020

| Year | Registered Boats | % | SJR Demand | ICW Demand | Projected Demand | 2001 Supply | Surplus Deficit |
|-------------|-------------------------|----------|-------------------|-------------------|-------------------------|--------------------|------------------------|
| 2000 | 24,202 | 13.8 | 835 | 2,505 | 3,340 | 4,176 | 836 |
| 2005 | 27,604 | 13.8 | 952 | 2,857 | 3,809 | 4,176 | 367 |
| 2010 | 31,484 | 13.8 | 1,086 | 3,259 | 4,345 | 4,176 | -169 |
| 2015 | 35,909 | 13.8 | 1,239 | 3,717 | 4,955 | 4,176 | -779 |
| 2020 | 40,956 | 13.8 | 1,413 | 4,239 | 5,652 | 4,176 | -1,476 |

* The above table represents projected values. Actual 2000 figures are as follows: SJR demand is 836, the ICW is 2,518. Wet and dry demand is 3,354. 2000 supply is 4,176, and surplus is 822.

Marina Supply and Demand ICW

| Year | Projected Demand | 2000 supply | Surplus Deficit |
|-------------|-------------------------|--------------------|------------------------|
| 2000 | 2505 | 2855 | 350 |
| 2005 | 2857 | 2855 | -2 |
| 2010 | 3259 | 2855 | -404 |
| 2015 | 3717 | 2855 | -862 |
| 2020 | 4239 | 2855 | -1384 |

Marina Supply and Demand SJR

| Year | Projected Demand | 2000 Supply | Surplus Deficit |
|-------------|-------------------------|--------------------|------------------------|
| 2000 | 835 | 1,321 | 486 |
| 2005 | 952 | 1,321 | 369 |
| 2010 | 1,086 | 1,321 | 235 |
| 2015 | 1,239 | 1,321 | 82 |
| 2020 | 1,413 | 1,321 | -92 |

| Available Boat Ramp Facilities In 2001 Halifax/Indian River Study Area | | | | | | | | |
|---|-----------|-----------|--------------------------------|-----------|-----------|------------------------|----------|----------------------------------|
| All Ramps Surveyed | #Ramps | #Lanes | Public Ramps Surveyed | #Ramps | #Lanes | Private Ramps Surveyed | #Ramps | #Lanes |
| Bethune Point | 1 | 2 | Bethune Point | 1 | 2 | Bouchelle Island | 1 | 1 |
| Bisset Bay | 1 | 1 | Bisset Bay | 1 | 1 | Edgewater Landing | 1 | 1 |
| Bouchelle Island | 1 | 1 | Cameron's Marina | 1 | 1 | Hacienda Del Rio | 1 | 1 |
| Cameron's Marina | 1 | 1 | Canaveral National Seashore ** | 1 | 2 | Marina Port Orange ** | 1 | 1 |
| Canaveral National Seashore ** | 1 | 2 | City Island Park | 1 | 1 | Saw Grass Subdivision | 1 | 1 |
| City Island Park | 1 | 1 | Goodrich Seafood * | 1 | 1 | Tomoka View ** | 1 | 1 |
| Edgewater Landing | 1 | 1 | Granada Bridge | 2 | 4 | Tierra Mar ** | 1 | 1 |
| Goodrich Seafood * | 1 | 1 | Halifax Harbor Marina | 1 | 8 | Unnamed Ramp - private | 1 | 1 |
| Granada Bridge | 2 | 4 | Highbridge | 1 | 2 | Totals: | 8 | 8 |
| Hacienda Del Rio | 1 | 1 | Indian Mound | 1 | 1 | | | |
| Halifax Harbor Marina | 1 | 8 | Inlet Harbor *** | 1 | 1 | | | |
| Highbridge | 1 | 2 | J.B's Fish Camp * | 1 | 1 | | | |
| Indian Mound | 1 | 1 | Kennedy Memorial Park | 1 | 6 | | | |
| Inlet Harbor *** | 1 | 1 | Lighthouse Park | 1 | 2 | | | |
| J.B's Fish Camp * | 1 | 1 | Lefill's Fish Camp ** | 1 | 1 | | | |
| Kennedy Memorial Park | 1 | 6 | Lopez Fish Camp | 1 | 1 | | | |
| Lighthouse Park | 1 | 2 | Menard May Park | 1 | 2 | | | |
| Lefill's Fish Camp | 1 | 1 | N. Causeway Park | 2 | 8 | | | |
| Lopez Fish Camp | 1 | 1 | Port Orange Causeway I | 3 | 6 | | | |
| Marina Port Orange ** | 1 | 1 | Port Orange Causeway II | 1 | 1 | | | |
| Menard May Park | 1 | 2 | River Breeze Park ** | 1 | 4 | | | |
| N. Causeway Park | 2 | 8 | River Front Veterans Park | 1 | 2 | | | |
| Port Orange Causeway I | 3 | 6 | Sanchez Park | 1 | 2 | | | |
| Port Orange Causeway II | 1 | 1 | Seabreeze Bridge ** | 5 | 5 | | | |
| River Breeze Park ** | 1 | 4 | Sunrise Park | 1 | 1 | | | |
| River Front Veterans Park | 1 | 2 | Tomoka Estates | 1 | 1 | | | |
| Sanchez Park | 1 | 2 | Tomoka State Park | 1 | 1 | | | |
| Saw Grass Subdivision | 1 | 1 | Turtle Mound * | 1 | 1 | | | |
| Seabreeze Bridge ** | 5 | 5 | Unnamed Dirt Ramp ** | 1 | 1 | | | |
| Sunrise Park | 1 | 1 | Totals: | 37 | 70 | | | |
| Tierra Mar | 1 | 1 | | | | | | |
| Tomoka Estates | 1 | 1 | | | | | | |
| Tomoka State Park | 1 | 1 | | | | | | |
| Tomoka View ** | 1 | 1 | | | | | | |
| Turtle Mound * | 1 | 1 | | | | | | |
| Unnamed Dirt Ramp ** | 1 | 1 | | | | | | |
| Unnamed Ramp - private ** | 1 | 1 | | | | | | |
| Totals: | 45 | 78 | | | | | | |
| | | | | | | | | Riptide Bait & Tackle |

* Ramp not operational

** Not surveyed in 1995

*** Previous property of Ponce Deepwater Landing - now Inlet Harbor and

| Available Boat Ramp Facilities in 2001 St. Johns River Study Area | | | | | | | | |
|--|-----------|-----------|----------------------------|-----------|-----------|----------------------------|----------|----------|
| All Ramps Surveyed | #Ramps | #Lanes | Public Ramps Surveyed | #Ramps | #Lanes | Private Ramps Surveyed | #Ramps | #Lanes |
| Blair's Jungle Den * | 1 | 1 | Blair's Jungle Den * | 1 | 1 | Lakeview Terrace | 1 | 1 |
| Boat Show Marina * | 2 | 2 | Boat Show Marina * | 2 | 2 | Meadowlea on the River *** | 1 | 1 |
| DeLeon Springs State Park | 1 | 1 | DeLeon Springs State Park | 1 | 1 | River Oaks Estates *** | 1 | 1 |
| Ed Stone Park | 1 | 6 | Ed Stone Park | 1 | 6 | Stone Island Ramp | 1 | 1 |
| Florida Power & Light Ramp | 1 | 1 | Florida Power & Light Ramp | 1 | 1 | Totals: | 4 | 4 |
| French Avenue Ramp | 1 | 1 | French Avenue Ramp | 1 | 1 | | | |
| Hall's Lodge * | 1 | 1 | Hall's Lodge * | 1 | 1 | | | |
| Highland Park Fish Camp * | 1 | 2 | Highland Park Fish Camp * | 1 | 2 | | | |
| Highland Park Remote | 1 | 1 | Highland Park Remote | 1 | 1 | | | |
| Highbank's Ramp | 1 | 1 | Highbank's Ramp | 1 | 1 | | | |
| Holly Bluff Marina * | 1 | 1 | Holly Bluff Marina * | 1 | 1 | | | |
| Hontoon Landing Marina * | 1 | 1 | Hontoon Landing Marina * | 1 | 1 | | | |
| Kyp's Fish Camp ** | 1 | 1 | Kyp's Fish Camp ** | 1 | 1 | | | |
| Lake Beresford Yacht Club | 1 | 1 | Lake Beresford Yacht Club | 1 | 1 | | | |
| Lake Monroe Park | 2 | 4 | Lake Monroe Park | 2 | 4 | | | |
| Lake Monroe Wayside Ramp | 1 | 2 | Lake Monroe Wayside Ramp | 1 | 2 | | | |
| Lakeview Terrace | 1 | 1 | Lemon Bluff Ramp | 1 | 2 | | | |
| Lemon Bluff Ramp | 1 | 2 | Mariner's Cove Park | 1 | 1 | | | |
| Mariner's Cove Park | 1 | 1 | Nine Mile Ramp | 1 | 1 | | | |
| Meadowlea on the River *** | 1 | 1 | North Shell Fish Camp * | 1 | 1 | | | |
| Nine Mile Ramp | 1 | 1 | Paramore's Campground * | 1 | 1 | | | |
| North Shell Fish Camp * | 1 | 1 | Pine Island Marina | 1 | 1 | | | |
| Paramore's Campground * | 1 | 1 | Riverfront Park *** | 1 | 1 | | | |
| Pine Island Marina | 1 | 1 | Riviera Resort & Marina | 1 | 1 | | | |
| Riverfront Park *** | 1 | 1 | Shady Oak Fish Camp | 1 | 1 | | | |
| River Oaks Estates *** | 1 | 1 | Shell Harbor Ramp | 1 | 1 | | | |
| Riviera Resort & Marina | 1 | 1 | South Moon Fish Camp | 1 | 1 | | | |
| Shady Oak Fish Camp | 1 | 1 | Sunrise Fish Camp | 1 | 1 | | | |
| Shell Harbor Ramp | 1 | 1 | Tedder's Fish Camp | 1 | 1 | | | |
| South Moon Fish Camp | 1 | 1 | Tropical Apts. & Marina | 1 | 1 | | | |
| Stone Island Ramp | 1 | 1 | Volusia Bar Fish Camp | 1 | 1 | | | |
| Sunrise Fish Camp | 1 | 1 | Totals: | 33 | 43 | | | |
| Tedder's Fish Camp | 1 | 1 | | | | | | |
| Tropical Apts. & Marina | 1 | 1 | | | | | | |
| Volusia Bar Fish Camp | 1 | 1 | | | | | | |
| Totals: | 37 | 47 | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |

*Data collected by 2001 marina surveys

** Ramp not operational in 2001

*** New ramp not surveyed in 1995

The following is excerpted from the Volusia County Boating Activity Study, Final Report, July 1996.

Mosquito Lagoon was the most popular boating destination on the ICW. The majority of the boats in this area are Class A and Class I power boats engaged in recreational fishing. The data to support this was gathered primarily from the aerial surveys and from ramp interviews at two ramps: Haulover Canal ramp and Turtle Mound ramp. In addition, boat ramp trailer census data from the Kennedy Park ramp in Edgewater revealed heavy usage. These three ramps provide direct access to Mosquito Lagoon. The fishing takes place on the west side of the ICW channel and the vast expanse to the east of the channel. The east side of the channel is commonly referred to as the "back country." (Section 5, Intracoastal Waterway Data Analysis, 5.5 Spatial Analysis, page 110.)

The second most popular destination is Ponce Inlet. This area has several unique features that are important to boaters. First, it is the only access to the ocean for more than 60 miles north or south. All types of craft utilize the inlet to access the ocean for recreational and commercial fishing, as well as offshore sailing. The inlet area has a concentration of large, commercial fishing boats (Class 3) that engage in commercial fishing, as well as fishing charters for recreational fishermen. (Section 5, Intracoastal Waterway Data Analysis, 5.5 Spatial Analysis, page 110.)

The next most popular destination is the Tomoka River/Tomoka Basin. The basin is used primarily for recreational fishing, while the river is used for a variety of activities, such as recreational fishing and water-skiing. In addition, Tomoka State Park is located on the river and is used by boaters for picnicking and accessing the park's other features. The primary types of boats that frequent this area are Class A and Class I powerboats and pontoon boats. (Section 5, Intracoastal Waterway Data Analysis, 5.5 Spatial Analysis, page 111.)

Silver Glen Springs was the most common destination for boaters on the SJR, especially in the summer (791 observations.) Over one hundred boats have been observed in this area at one time using aerial surveys. A total of 291 boaters out of 815 who were interviewed named this site as their destination. The majority of boaters launching from the two ramps in Astor (Butler Street and Midway Marine) indicated during the interviews that their destination was Silver Glen Springs. In addition, boaters interviewed at Ed Stone Park ramp in DeLand also indicated that this was their destination. Aerial survey data supports the interview survey data that boat traffic is very heavy on weekends leading to/from Astor and Silver Glen Springs (617 observations.) The types of boats observed at Silver Glen Springs covered all categories, from Class 3 houseboats to personal watercraft. The other unique factor about this location is the number of boaters who stayed at the springs on their boats all weekend. This was the only location on either water body that had this type of boating activity. (Section 6, St. Johns River Data Analysis, 6.5 Spatial Analysis, page 120.)

Other major destinations on the SJR included Blue Spring State Park, Hontoon Island State Park, and the Wekiva River. Blue Spring is a popular destination for picnicking and swimming in the summer and for observing manatees during the winter (159 observations.) Hontoon Island is a popular picnicking destination, and Wekiva Springs is a popular swimming and travelling destination. (Section 6, St. Johns River Data Analysis, 6.5 Spatial Analysis, page 123.)

**Volusia County Boating Activity Study,
Final Report, July 1996**

Available Upon Request