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Regarding: **US Watercraft Thefts and Recoveries: 2013 (Public Dissemination)**

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## Executive Summary

Based on the findings of this report, there was a 6% decrease in watercraft thefts and a 1% increase in watercraft recoveries from 2012 to 2013. The watercraft most likely to be stolen is a Yamaha Jet Ski (457 thefts), closely followed up by the Bombardier Corp. Jet Ski (442 thefts). Of the 3,593 stolen watercrafts that identified a propulsion type, 53% had outboard propulsion, 34% had inboard propulsion. The remaining 13% with a known propulsion type were manual, sail only, sail only with auxiliary outboard power, or sail only with auxiliary inboard power. The highest number of watercraft thefts took place in Florida (24%), California (11%), and Texas (7%). The Top 3 theft cities were all located in Florida: Miami (179 thefts), Tampa (81 thefts), and Fort Myers (71 thefts). Watercraft theft is a seasonal crime, with 63% of all watercraft thefts taking place between April and September. Additionally, of the 2,195 recovered thefts, almost all (98%) were recovered in the same state that they were stolen. Most watercrafts were recovered within 8 days of being stolen, indicating that the more time that passes after the date of theft and the farther the watercraft is transported, the less likely it is that the watercraft will eventually be recovered.

In the furtherance of watercraft theft awareness and prevention, NICB brochure "Boat Theft: Leave Thieves in Your Wake" suggests that boat owners should use a common sense approach to protecting their watercrafts. The suggested prevention methods tell boat owners to: "dock your craft in well-lit areas; secure your boat to the dock with a locked steel cable; remove expensive equipment from your boat when not in use; lock the boat's cabin, doors, and windows when not in use; remove registration or title papers in the craft; disable the boat when not in use by shutting off fuel lines and removing the battery or distributor cap; install an alarm system and a kill switch in the ignition system; use a trailer hitch lock after parking a boat on its trailer; park your trailer in a locked garage, secured boat storage facility, or a well-lit, fenced area; and ensure your marine insurance policy includes your equipment, boat, and trailer. Also, to be prepared for the possibility of a watercraft theft, NICB encourages boat owners to take photos of their boat, and to be sure that their boat and equipment are marked with a Hull Identification number (HIN), a serial number that uniquely identifies every boat and will ultimately help law enforcement with recovery efforts.

## Introduction

Throughout the year 2013, there were a total of 5,537 watercraft thefts within the United States (US). Of these thefts, 2,195, or 40%, were recovered by April 3, 2014 while 3,342, or 60%, remain at large. This ForeCAST<sup>SM</sup> Report analyzes the 5,537 watercraft thefts and corresponding recoveries<sup>1</sup> with information reported to the US Federal Bureau of Investigation's (FBI) National Crime Information Center (NCIC). There are 3 sections to this report consisting of an analysis of the watercrafts, a geographical analysis, and a temporal analysis. "Section 1: The Watercrafts" analyzes the 2013 watercraft thefts and recoveries by manufacturer, boat type<sup>2</sup>, manufacturer and boat type combined, propulsion type, and boat type and propulsion type combined. "Section 2: Geographic Analysis" analyzes the 2013 watercraft thefts and corresponding recoveries first by state and then by city. "Section 3: Temporal Analysis" analyzes the 2013 watercraft thefts and recoveries by month, day of the week, the number of days between the theft date and recovery date, and the average number of days between the theft date and recovery date by boat type.

There will be a number of graphical representations throughout this report, including tables, charts, and maps. With the exception of the maps, 'Orange' relates to theft information, while 'Blue' relates to recovery information. Additionally, all percentages, including those already mentioned, are rounded to the nearest whole number. In the event of a tie between values in a Top 10, Top 5, or Top 3 Analysis, both values will have the

<sup>1</sup> A corresponding recovery is defined as recovery information that relates to its respective theft.

<sup>2</sup> The terms "watercraft" and "boat" will be used interchangeably throughout this report.

same rank and be listed alphabetically, with the next rank increasing by 2 or more (depending on the number of ties). For example, if there is a tie for rank 3, both will be ranked 3rd, listed in alphabetical order, and then followed by rank 5.

## Section 1: The Watercrafts

This section will provide an analysis of the 2013 watercraft thefts and recoveries in 5 ways: [1] by the Top 10 manufacturers; [2] the 13 boat types recognized by the NCIC; [3] the Top 10 manufacturers and boat type combinations; [4] the 6 propulsion types recognized by the NCIC; and [5] the boat type and propulsion type combinations.

### 2013 Watercraft Thefts and Recoveries by Manufacturer

There were 563 different manufacturers<sup>3</sup> identified in the 2013 watercraft theft and recovery data. The table below lists all manufacturers with 10 or more thefts along with recovery information in descending order by number of thefts. The Top 10 stolen manufacturers are shown in **Bold** font, are ranked, and are surrounded by a black box. Totalling 1,942 thefts, the Top 10 manufacturers represent 35% of all watercraft thefts in 2013. The manufacturer with the largest number of stolen watercrafts was "Yamaha" with 555 thefts. Of the Top 10 manufacturers, "Sea Ray Boats Inc." had the highest recovery rate of 58%, while "Sears Roebuck & Company" had the lowest recovery rate of 28%.

### 2013 Watercraft Thefts and Recoveries by Manufacturer

Manufacturer	Thefts	Recoveries	Recovery Rate
<b>1. Yamaha</b>	<b>555</b>	<b>174</b>	<b>31%</b>
<b>2. Bombardier Corp.</b>	<b>522</b>	<b>180</b>	<b>34%</b>
<b>3. Kawasaki Motors Mfg.</b>	<b>166</b>	<b>60</b>	<b>36%</b>
<b>4. Alumacraft Boat Co.</b>	<b>114</b>	<b>55</b>	<b>48%</b>
<b>5. Tracker Marine LP</b>	<b>111</b>	<b>45</b>	<b>41%</b>
<b>6. Bayliner Marine, Inc.</b>	<b>96</b>	<b>40</b>	<b>42%</b>
<b>7. Lowe Industries</b>	<b>88</b>	<b>35</b>	<b>40%</b>
<b>8. Starcraft Marine</b>	<b>84</b>	<b>27</b>	<b>32%</b>
<b>9. Polaris Industries Inc.</b>	<b>72</b>	<b>25</b>	<b>35%</b>
<b>T10. Sea Ray Boats Inc.</b>	<b>67</b>	<b>39</b>	<b>58%</b>
<b>T10. Sears Roebuck &amp; Company</b>	<b>67</b>	<b>19</b>	<b>28%</b>
Old Town Canoe Co.	63	7	11%
Sea Nymph Inc.	63	16	25%
Pelican International Inc.	60	19	32%
Boston Whaler Inc.	55	28	51%
Tracker Seacraft of FL	52	22	42%
Lund Boat Division	47	24	51%
Smoker-Craft	46	22	48%
Wellcraft Marine Corp.	44	21	48%
Fisher	35	15	43%
Carolina Skiff Inc.	34	18	53%
Polar Kraft Mfg. Co.	32	9	28%
Brunswick Marine	31	16	52%
Perception Kayaks Inc.	30	6	20%
Florida Homemade Boats	29	12	41%
Noah Corporation	28	6	21%
Valco Aluminum Boats	27	7	26%
Highline Public School	26	13	50%
Ranger Boats	26	16	62%
Grumman Boats Inc.	25	5	20%
Ocean Kayak Inc.	25	10	40%
Skeeter Products, Inc.	25	10	40%
Landau Boat Co.	24	8	33%
Semperit Industrial Pr.	24	6	25%
Prototype Custom Boats	23	9	39%
Wilderness Systems	22	3	14%

Manufacturer	Thefts	Recoveries	Recovery Rate
Zodiac of North America	20	8	40%
Gheen Manufacturing	19	8	42%
Stratos Boats Inc.	19	7	37%
C & C Manufacturing Inc.	18	9	50%
Pro-Line Boats Inc.	18	10	56%
Achilles Inflatables Craft	17	6	35%
K L Industries	17	5	29%
Rendova Boats LLC	17	8	47%
Hobie Cat Company	16	4	25%
Lenire Marine Services	16	2	13%
Midwest Seat Mfg. Co. Inc.	16	7	44%
Angler Boat Corp.	15	10	67%
Grady-White Boats, Inc.	15	10	67%
Grumman Allied Ind. Inc.	15	5	33%
Malibu Boats Inc.	15	10	67%
Maurell Products Inc.	15	6	40%
The Coleman Co. Inc.	15	6	40%
Carolina Boat Co.	14	7	50%
Gregor Boat Company	14	7	50%
Hydra-Sports Inc.	14	9	64%
Sierra Boat Co.	14	3	21%
Raider Boats	13	7	54%
Xpress Boat Company	13	5	38%
Crestliner Inc.	12	8	67%
Triton Industries Inc.	12	3	25%
Alumaweld Boats	11	7	64%
Avon Marine Inc.	11	3	27%
Caribe Inflatables USA Inc.	11	5	45%
Contender Boats Inc.	11	7	64%
Crownline Boats Inc.	11	8	73%
Godfrey Marine Company	11	4	36%
SeaArk Boats Inc.	11	5	45%
Triton Custom Boats	11	7	64%
West Marine Products	11	4	36%
Chris Craft	10	4	40%
Correct Craft Inc.	10	5	50%

<sup>3</sup> There were 5 records where the manufacturer's identification was not able to be confirmed using the NCIC Boat Codes Manual or the US Coast Guard's Manufacturer's Identification website (<http://www.uscgboating.org/>) and are therefore not included in the number of different manufacturers.

Manufacturer	Thefts	Recoveries	Recovery Rate
AMF Crestliner	21	9	43%
Chaparral Boats Inc.	21	13	62%
Glastron Boats	21	12	57%
Northport Inc.	21	9	43%
Sylvan Marine	21	7	33%
Larson Boats	20	10	50%

Manufacturer	Thefts	Recoveries	Recovery Rate
Four Winns	10	4	40%
Ouachita Mfrs. & Ind. Corp.	10	2	20%
Scout Boats Inc.	10	8	80%
Seastrike Boats	10	8	80%
Sterling Yachts, Inc.	10	4	40%
Voyager Marine	10	6	60%

## 2013 Watercraft Thefts and Recoveries by Boat Type

There are 13 boat types recognized by the NCIC (refer to [Appendix 1](#)) and 4,089 of the 2013 theft records identified 1 of those types as the type of boat stolen. The remaining 1,448 provided a boat code not recognized by NCIC (50) or did not provide a code at all (1,398). Of the 4,089 records with NCIC-recognized boat codes, 32%, or 1,326, were identified as "All Other." Excluding the "All Other" category, the Top 5 stolen boat types comprised 49% (2,707) of all 2013 watercraft thefts. The most frequently stolen watercraft was the "Jet Ski," with 1,215 thefts. Of the Top 5 boat types, "Airboat" had the highest recovery rate of 67%, with 14 out of 21 thefts recovered by April 3, 2014, while "Jet Ski" had the lowest recovery rate of 32%, with 394 out of 1,215 thefts recovered by April 3, 2014. An analysis of the number of thefts of each boat type per state is located on [page 8](#) of this report.

The list below provides the number of thefts and recoveries per boat type in 2013 in descending order by number of thefts, excluding the "All Other" category. The Top 5 stolen boat types are ranked and numbered, and a sample photo<sup>4</sup> for each boat type is provided.

### 1. Jet Ski

- Thefts: 1,215
- Recoveries: 394
- Recovery Rate: 32%



### 2. Runabout

- Thefts: 871
- Recoveries: 405
- Recovery Rate: 46%



### 3. Utility

- Thefts: 363
- Recoveries: 153
- Recovery Rate: 42%



<sup>4</sup> Pictures are not of actual stolen watercrafts; all images were found through Google Images to provide one general example of what each type of boat may look like.



#### 4. Cruiser

- Thefts: 214
- Recoveries: 100
- Recovery Rate: 47%



#### 5. Sailboat

- Thefts: 44
- Recoveries: 28
- Recovery Rate: 64%



#### Airboat

- Thefts: 21
- Recoveries: 14
- Recovery Rate: 67%



#### Commercial

- Thefts: 15
- Recoveries: 6
- Recovery Rate: 40%



#### Houseboat

- Thefts: 8
- Recoveries: 5
- Recovery Rate: 63%



#### Yacht

- Thefts: 5
- Recoveries: 3
- Recovery Rate: 60%



#### Hovercraft

- Thefts: 4
- Recoveries: 2
- Recovery Rate: 50%



#### Hydroplane

- Thefts: 2
- Recoveries: 0
- Recovery Rate: 0%



#### Hydrofoil

- Thefts: 1
- Recoveries: 0
- Recovery Rate: 0%



## 2013 Watercraft Thefts and Recoveries by Manufacturer & Boat Type Combined

The table below ranks the Top 10 stolen manufacturer and boat type combinations along with recovery information, listed in descending order by number of thefts. Only records that identified a manufacturer and a NCIC-recognized boat type were included in the analysis. Totalling 1,253 thefts, the Top 10 manufacturer and boat type combinations comprised 23% of all watercraft thefts in 2013. The most frequently stolen combination, in the Top 10, was the “Yamaha – Jet Ski” with a total of 457 thefts. The combination with the highest recovery rate, in the Top 10, was “Sea Ray Boats Inc. – Runabout” at 62% recovered. There was a tie between “Yamaha – Jet Ski” and “Alumacraft Boat Co. – Runabout” for the lowest recovery rate, each with 30% of thefts being recovered.

### 2013 Watercraft Thefts and Recoveries for the Top 10 Manufacturer & Boat Type Combinations

Manufacturer	Boat Type	Thefts	Recoveries	Recovery Rate
1. Yamaha	Jet Ski	457	137	30%
2. Bombardier Corp.	Jet Ski	442	145	33%
3. Kawasaki Motors Mfg.	Jet Ski	146	51	35%
4. Polaris Industries Inc.	Jet Ski	64	23	36%
5. Bayliner Marine, Inc.	Runabout	30	15	50%
6. Highline Public School	Jet Ski	25	12	48%
T7. Alumacraft Boat Co.	Runabout	23	7	30%
T7. Boston Whaler Inc.	Runabout	23	13	57%
9. Tracker Marine LP	Runabout	22	8	36%
10. Sea Ray Boats Inc.	Runabout	21	13	62%

\* Corresponding recoveries from 01/01/2013 through 04/03/2014

## 2013 Watercraft Thefts and Recoveries by Propulsion Type

There are 6 propulsion types recognized by the NCIC and 65% of the 2013 watercraft theft and recovery data, or 3,593 records, identified 1 of those types. The following table details the number of thefts, the number of recoveries, and the recovery rate for each propulsion type, listed in descending order by number of thefts. The Top 3 propulsion types, “Outboard,” “Inboard,” and “Manual,” accounted for 64% of all 2013 watercraft thefts. Of the Top 3 propulsion types, “Outboard” had the highest number of thefts at 1,918 and the highest recovery rate of 46%, while “Manual” had the lowest recovery rate of 22%.

### 2013 Watercraft Thefts and Recoveries by Propulsion Type

Propulsion Type	Thefts	Recoveries*	Recovery Rate
1. Outboard	1,918	889	46%
2. Inboard	1217	473	39%
3. Manual	426	95	22%
Sail Only	18	10	56%
Sail w/ Auxiliary Outboard Power	8	5	63%
Sail w/ Auxiliary Inboard Power	6	1	17%

\* Corresponding recoveries from 01/01/2013 through 04/03/2014

## 2013 Watercraft Thefts and Recoveries by Boat Type & Propulsion Type Combined

The table on the following page ranks the Top 10 stolen boat type and propulsion type combinations, including the number of recoveries and recovery rate for each, listed in descending order by number of thefts. Only records that identified a boat type and a propulsion type recognized by the NCIC were included in the analysis. Totalling 1,969 thefts, the Top 10 boat type and propulsion type combinations represent 36% of all 2013 watercraft thefts. Of the Top 10 boat type/propulsion type combinations, “Jet Ski – Inboard” had the highest number of thefts with 697. The Top 10 combination with the highest recovery rate of 71% was “Sailboat – Sail Only,” while the combination with the lowest recovery rate was “Utility – Manual” at 23%.



## 2013 Watercraft Thefts and Recoveries for the Top 10 Boat Type & Propulsion Type Combinations

Boat Type	Propulsion Type	Thefts	Recoveries*	Recovery Rate
1. Jet Ski	Inboard	697	217	31%
2. Runabout	Outboard	558	267	48%
3. Utility	Outboard	228	109	48%
4. Runabout	Inboard	180	83	46%
5. Cruiser	Inboard	100	45	45%
6. Cruiser	Outboard	89	44	49%
7. Jet Ski	Outboard	60	26	43%
8. Utility	Manual	30	7	23%
9. Sailboat	Sail Only	14	10	71%
10. Sailboat	Outboard	13	9	69%

\* Corresponding recoveries from 01/01/2013 through 04/03/2014

## Section 2: Geographic Analysis

The Geographic Analysis Section analyzes the 2013 watercraft thefts and corresponding recoveries in 4 parts: [1] the 2013 watercraft thefts and corresponding recoveries by theft state; [2] the 2013 watercraft thefts per state by boat type; [3] geographic patterns where the recovery state differs from the theft state; and [4] the 2013 watercraft thefts and corresponding recoveries for the Top 10 theft cities.

### 2013 Watercraft Thefts and Corresponding Recoveries by Theft State

All of the 5,537 watercraft thefts in 2013 identified the state where the theft occurred and almost every state reported at least one theft, with the exception of Hawaii and the District of Columbia (DC). The following table lists the thefts and corresponding recoveries<sup>5</sup> for each state in descending order by number of thefts. The Top 10 theft states are identified with 'Bold' font, ranked, and surrounded by a black box in the below table. Totalling 3,528 thefts, the Top 10 theft states comprised 64% of all 2013 watercraft thefts. Consistent with 2012, the state with the highest number of thefts was Florida with 1,310, representing 24% of all watercraft thefts in 2013. This is more than twice as many thefts as the next highest theft state, making Florida a watercraft theft hotspot. Of the Top 10 theft states, California had the highest recovery rate, with 51% of stolen watercrafts being recovered. There was a 3-way tie for the lowest recovery rate of 35% between Tennessee, Alabama, and South Carolina.

### 2013 Watercraft Thefts and Corresponding Recoveries by Theft State

State	Thefts	Recoveries	Recovery Rate
1. FL	1,310	505	39%
2. CA	628	323	51%
3. TX	382	156	41%
4. WA	208	97	47%
5. GA	182	75	41%
6. NC	178	70	39%
7. TN	167	58	35%
8. AL	165	58	35%
9. AR	157	68	43%
10. SC	151	53	35%
LA	142	56	39%
MI	126	34	27%
MO	114	45	39%
MN	111	40	36%
OK	100	45	45%
OH	96	32	33%
PA	90	21	23%

State	Thefts	Recoveries	Recovery Rate
MD	59	24	41%
NJ	58	19	33%
KS	53	21	40%
VA	49	21	43%
ME	41	10	24%
IA	40	18	45%
CT	37	15	41%
CO	31	15	48%
MA	31	11	35%
NV	27	13	48%
NH	22	7	32%
AK	21	13	62%
RI	21	6	29%
UT	20	11	55%
MT	19	8	42%
ID	17	6	35%
WV	16	4	25%

<sup>5</sup>The recovery information for this section corresponds to the thefts per state in order to provide an accurate recovery rate. If a watercraft was recovered in a different state than where it was stolen, it was counted in the recovery information for the theft state, as opposed to the recovery information for the recovery state. An analysis of watercrafts recovered in a state different than the theft state can be found on [pages 9-10](#) of this report.

State	Thefts	Recoveries	Recovery Rate
IN	88	25	28%
OR	87	39	45%
AZ	83	33	40%
NY	73	26	36%
WI	71	27	38%
KY	68	18	26%
IL	67	25	37%
MS	65	17	26%

State	Thefts	Recoveries	Recovery Rate
DE	13	2	15%
NM	13	7	54%
NE	12	4	33%
ND	10	5	50%
VT	8	2	25%
SD	7	5	71%
WY	3	2	67%
<b>Totals</b>	<b>5,537</b>	<b>2,195</b>	<b>40%</b>

### 2013 Watercraft Thefts and Corresponding Recoveries by Boat Type per Theft State

The following table lists the number of thefts for each state, excluding Hawaii and DC. They are listed in alphabetical order and separated by boat type. The state with the highest number of thefts is highlighted in yellow, while an asterisk (\*) denotes a tie between two or more states. Florida had the highest number of reported thefts for Jet Skis (379), Utility boats (48), Airboats (14), Commercial boats (9), and Yachts (2). California reported the highest number of thefts of Runabouts (145), Cruisers (59) and Sailboats (19). Florida, Louisiana, Missouri, and Texas each reported one Hovercraft theft, while California and Oregon each reported one Hydroplane theft. Lastly, Alabama reported one hydrofoil theft. A US map depicting the below chart can be found on the page 9.

### 2013 Watercraft Thefts per State by Boat Type

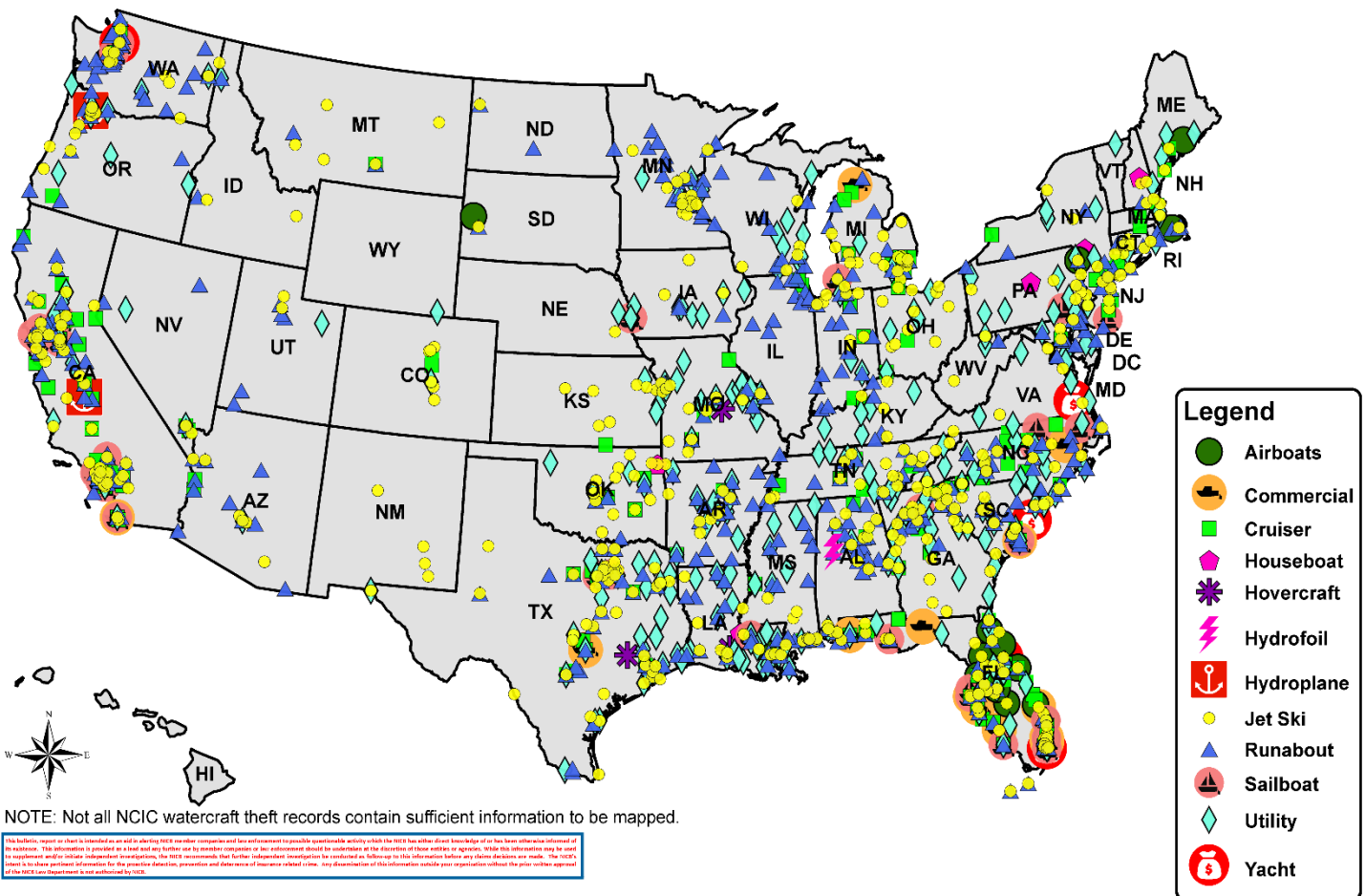
State	Jet Ski	Run-about	Utility	Cruiser	Sail-boat	Air-boat	Commercial	House-boat	Yacht	Hover-craft	Hydro-foil	Hydro-plane	All Other	Unknown	Totals
AK	5	15	-	-	-	-	-	-	-	-	-	-	1	-	21
AL	23	48	6	2	-	-	-	-	-	-	1	-	20	65	165
AR	25	32	10	3	-	-	-	-	-	-	-	-	52	35	157
AZ	27	18	1	3	-	-	-	-	-	-	-	-	1	33	83
CA	144	145	19	59	19	2	1	1	-	-	-	1*	72	165	628
CO	15	-	1	2	-	-	-	-	-	-	-	-	7	6	31
CT	9	4	2	2	-	-	-	-	-	-	-	-	14	6	37
DE	-	4	3	-	-	-	-	-	-	-	-	-	2	4	13
FL	379	86	48	50	8	14	9	1	2	1*	-	-	249	463	1,310
GA	42	15	22	4	1	-	-	-	-	-	-	-	39	59	182
IA	6	4	8	-	1	-	-	-	-	-	-	-	14	7	40
ID	2	3	3	-	-	-	-	-	-	-	-	-	6	3	17
IL	-	20	-	3	-	-	-	-	-	-	-	-	44	-	67
IN	13	22	3	3	-	-	-	-	-	-	-	-	22	25	88
KS	15	1	3	1	-	-	-	-	-	-	-	-	18	15	53
KY	20	5	6	2	-	-	-	-	-	-	-	-	28	7	68
LA	15	32	31	-	1	1	-	2	-	1*	-	-	27	32	142
MA	3	3	2	4	-	1	-	-	-	-	-	-	11	7	31
MD	5	13	5	1	-	-	-	-	-	-	-	-	28	7	59
ME	2	-	4	2	-	1	-	-	-	-	-	-	25	7	41
MI	31	15	5	10	2	-	1	-	-	-	-	-	61	1	126
MN	23	30	5	-	-	-	-	-	-	-	-	-	30	23	111
MO	23	12	19	3	-	-	-	-	-	1*	-	-	35	21	114
MS	13	24	9	2	-	-	-	-	-	-	-	-	5	12	65
MT	8	2	-	1	-	-	-	-	-	-	-	-	4	4	19
NC	24	31	17	8	3	-	1	-	-	-	-	-	59	35	178
ND	3	2	-	-	-	-	-	-	-	-	-	-	3	2	10
NE	3	-	2	-	1	-	-	-	-	-	-	-	5	1	12
NH	4	3	1	-	1	-	-	1	-	-	-	-	9	3	22
NJ	12	8	-	4	1	-	-	-	-	-	-	-	15	18	58
NM	7	-	-	-	-	-	-	-	-	-	-	-	5	1	13
NV	9	4	2	6	-	-	-	-	-	-	-	-	1	5	27
NY	13	7	5	2	-	-	-	1	-	-	-	-	24	21	73
OH	22	-	4	2	-	-	-	-	-	-	-	-	50	18	96
OK	24	4	4	3	-	-	-	1	-	-	-	-	33	31	100
OR	20	18	5	1	-	-	-	-	-	-	-	1*	21	21	87
PA	12	3	10	-	1	1	-	1	-	-	-	-	32	30	90
RI	1	3	1	1	-	-	-	-	-	-	-	-	9	6	21
SC	35	27	15	10	1	-	2	-	1	-	-	-	39	21	151
SD	1	1	-	-	-	1	-	-	-	-	-	-	1	3	7
TN	31	19	14	5	-	-	-	-	-	-	-	-	46	52	167
TX	95	47	43	13	2	-	1	-	-	1*	-	-	81	99	382



State	Jet Ski	Run-about	Utility	Cruiser	Sail-boat	Air-boat	Commercial	House-boat	Yacht	Hover-craft	Hydro-foil	Hydro-plane	All Other	Unknown	Totals
UT	4	5	1	-	-	-	-	-	-	-	-	-	2	8	20
VA	5	1	6	-	-	-	-	-	1	-	-	-	22	14	49
VT	-	-	1	-	-	-	-	-	-	-	-	-	3	4	8
WA	31	118	5	2	2	-	-	-	1	-	-	-	24	25	208
WI	8	17	9	-	-	-	-	-	-	-	-	-	19	18	71
WV	3	-	2	-	-	-	-	-	-	-	-	-	7	4	16
WY	-	-	1	-	-	-	-	-	-	-	-	-	1	1	3
<b>Totals</b>	<b>1,215</b>	<b>871</b>	<b>363</b>	<b>214</b>	<b>44</b>	<b>21</b>	<b>15</b>	<b>8</b>	<b>5</b>	<b>4</b>	<b>1</b>	<b>2</b>	<b>1,326</b>	<b>1,448</b>	<b>5,537</b>



## 2013 Watercraft Thefts by Boat Type



## 2013 Watercraft Thefts Recovered in a Different State

Of the 2,195 recovered watercrafts, all but 33, or 98%, were recovered in the same state where they were stolen. Of the 33 watercrafts recovered in a different state, 28 were recovered in a state that shares a border with the theft state and 4 were recovered within 3 states of the theft state. The last recovered watercraft was found in a location that was more than 3 states away from the theft state. The table on the following page lists the theft state, recovery state, manufacturer and boat type for each theft recovered in a different state than the theft state, and is listed in alphabetical order by theft state.

### 2013 Watercraft Thefts Recovered in a Different State

Theft State	Recovery State	Manufacturer	Boat Type
AZ	CA	Bombardier Corp.	Jet Ski
AZ	CA	Yamaha	-
CA	AZ	Monterey Boats	Cruiser
CA	OR	Kawasaki Motors Mfg.	Jet Ski
CT	MA	Pelican International Inc.	All Other
FL	AL	-	-
FL	AL	Hurricane Fbgls. Pro. Co.	Runabout
FL	KY	Bombardier Corp.	-
FL	MS	Wellcraft Marine Corp.	All Other
GA	AL	Fisher	All Other
ID	WA	-	-
IN	OH	Triton Custom Boats	-
LA	MS	Bombardier Corp.	-
LA	MS	Bombardier Corp.	-
MA	RI	C & C Manufacturing Inc.	Cruiser
MI	OR	Boston Whaler Inc.	All Other
MO	IL	Roger G. Haines	Utility

Theft State	Recovery State	Manufacturer	Boat Type
NC	GA	Hondo Boats	Jet Ski
NC	SC	Correct Craft Inc.	-
NC	SC	Dettling Yacht Company	Utility
NH	MA	Power Cat Inc.	Runabout
NV	UT	Kawasaki Motors Mfg.	-
OK	TX	Glastron Boats	-
OR	WA	Bayliner Marine, Inc.	Runabout
OR	WA	Canonita Dories	Runabout
SC	FL	-	Commercial
SC	NC	-	Runabout
SC	NC	Boats Unlimited	Jet Ski
TN	IN	Yamaha	Jet Ski
TN	KY	F & F Boat Co.	Utility
TN	KY	Mark Twain Marine Ind.	Cruiser
WA	OR	Semperit Industrial Pr.	Runabout
WV	PA	Misty River Marine Ltd.	All Other

### 2013 Watercraft Thefts and Corresponding Recoveries by Theft City

All of the 5,537 theft records identified the city in which the theft occurred, and 2,051 of the 2,195 recovery records reported the city where the watercraft was recovered. There were 1,872 unique theft cities identified in the 2013 watercraft theft and recovery data. Totaling 661 thefts, the Top 10 theft cities account for 12% of all watercraft thefts in 2013. The theft city with the highest number of stolen watercrafts was Miami, Florida with 179 thefts. Of the Top 10 theft cities, Martinez, California had the highest recovery rate of 79%, while Miami, Florida had the lowest at 26% recovered. Of note, 7 of the Top 10 theft cities were located in Florida, with the remaining being located in California (2) and Washington (1).

The following table displays the number of watercraft thefts and corresponding recoveries for the Top 10 theft cities<sup>6</sup>. Theft rates<sup>7</sup> per 10,000 persons were also included for each of the Top 10 theft cities. The Top 10 theft city with the highest theft rate was Marathon, Florida, with 53.2 watercraft thefts per 10,000 persons. This theft rate is significantly higher than the remaining Top 10 theft cities; therefore, it may be considered a watercraft theft hotspot. The second highest theft rate of 11.5 thefts per 10,000 inhabitants belongs to Martinez, California. Of note, Marathon, Florida and Martinez, California represented the highest and second highest theft rates, respectively, in 2012 as well. Of the Top 10 theft cities in 2013, Sacramento, California had the lowest theft rate of 1.3 thefts per 10,000 inhabitants.

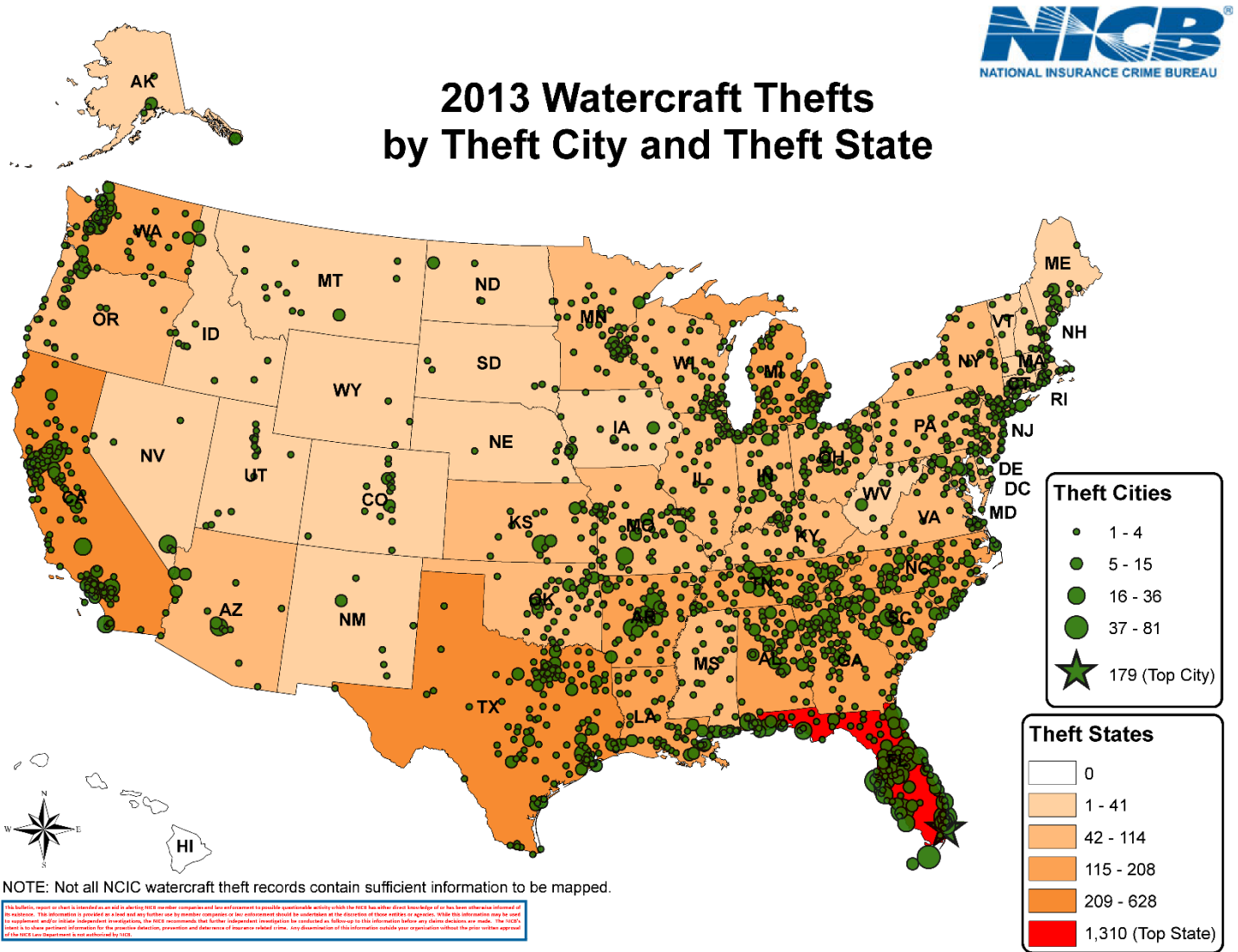
### 2013 Thefts and Corresponding Recoveries by Theft City

City	State	Thefts	Recoveries	Recovery Rate	Theft Rate
1. Miami	FL	179	47	26%	4.3
2. Tampa	FL	81	24	30%	2.3
3. Fort Myers	FL	71	37	52%	10.8
4. Sacramento	CA	61	32	52%	1.3
5. Fort Lauderdale	FL	56	27	48%	3.3
6. Largo	FL	48	16	33%	6.2
7. Marathon	FL	45	17	38%	53.2
T8. Martinez	CA	42	33	79%	11.5
T8. Orlando	FL	42	19	45%	1.7
10. Tacoma	WA	36	13	36%	1.8

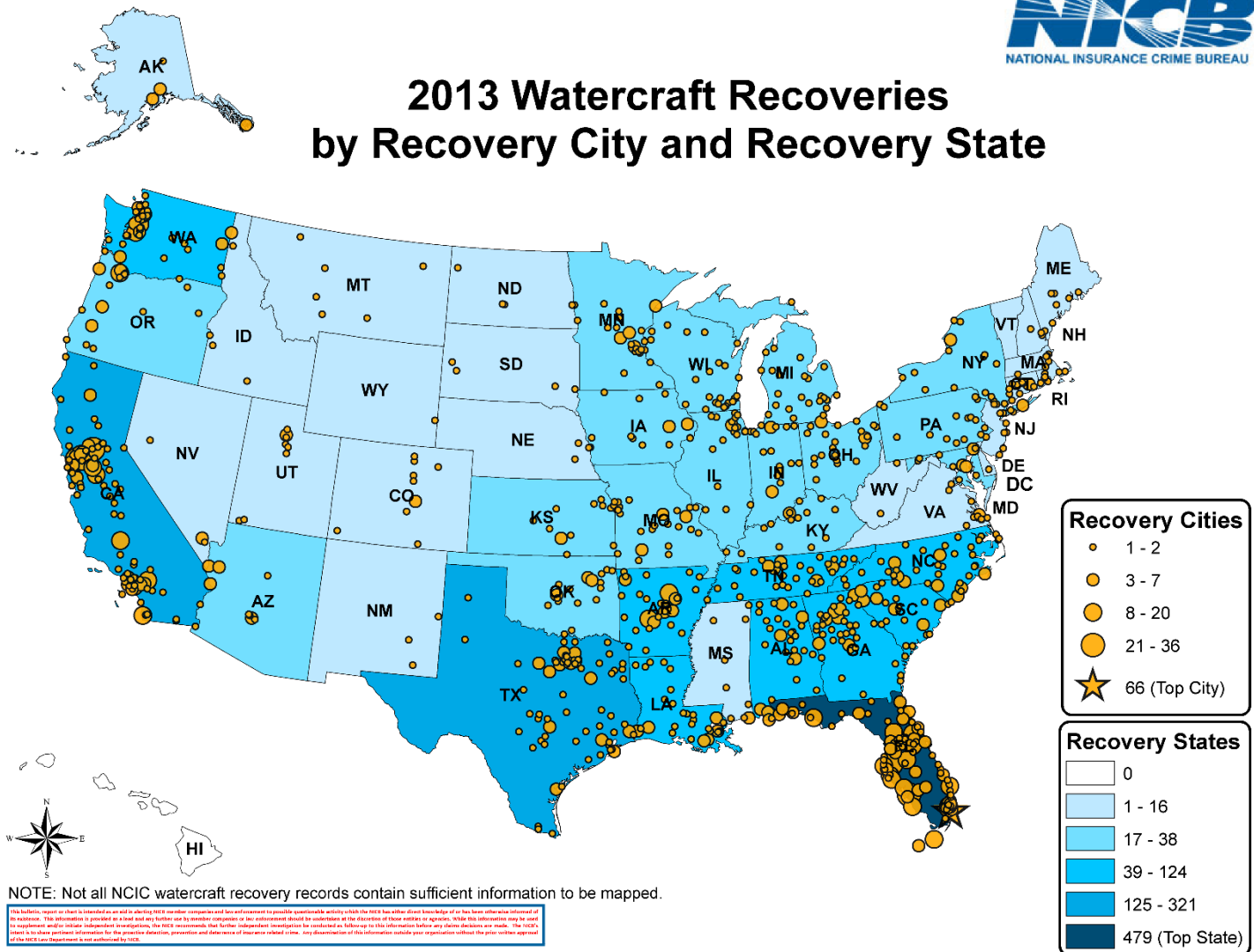
<sup>6</sup> The recovery information for this section corresponds to the thefts per city in order to provide an accurate recovery rate. If a watercraft was recovered in a city different than where it was stolen, it was counted in the recovery information for the theft city, as opposed to the recovery information for the recovery city.

<sup>7</sup> Data on populations per city were retrieved from the US Census Bureau's American FactFinder site (<http://factfinder2.census.gov/>), which lists the estimated population for 2012 as of July 1, 2012. All theft rates were found by dividing the number of thefts by a city's population, and then multiplying that number by 10,000. All theft rates are rounded to the nearest tenth.

Below is a US map of the 2013 watercraft thefts by theft city and theft state. On page 12 is a map that contains the 2013 watercraft recoveries by recovery city and recovery state. The recovery map shows recoveries per city and state regardless of theft location. Thus, it does not represent the number of recoveries per city or state.



## 2013 Watercraft Recoveries by Recovery City and Recovery State



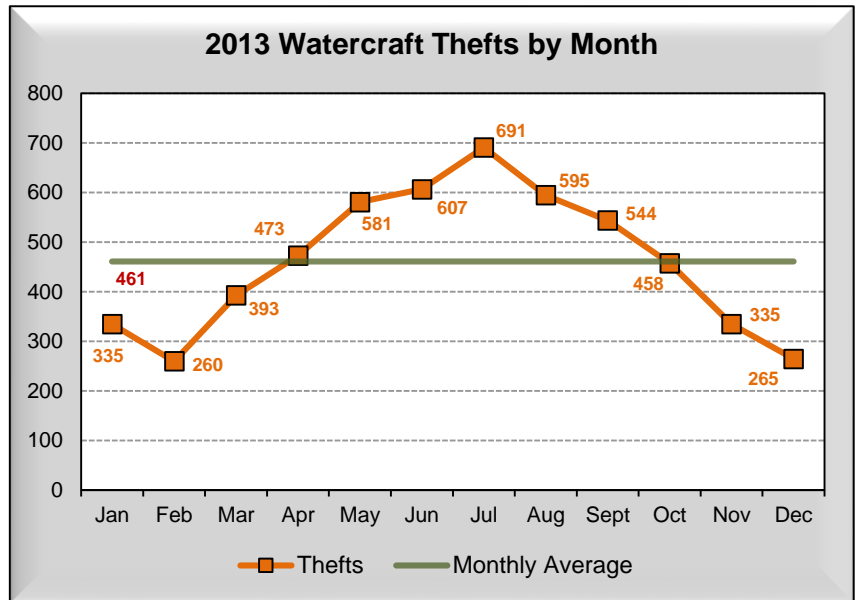
### Section 3: Temporal Analysis

On average, there were approximately 15 watercraft thefts per day, 106 per week, or 461 per month in 2013. However, watercraft thefts are not distributed evenly over time and the following Temporal Analyses will aim to show when to be the most prepared for potential thefts by analyzing the 2013 watercraft thefts and recoveries in 4 ways: [1] by theft month and recovery month; [2] the number of thefts and recoveries by the day of the week; [3] by the number of days between the theft date and recovery date; and [4] by the average number of days between the theft date and recovery date for each boat type recognized by the NCIC.

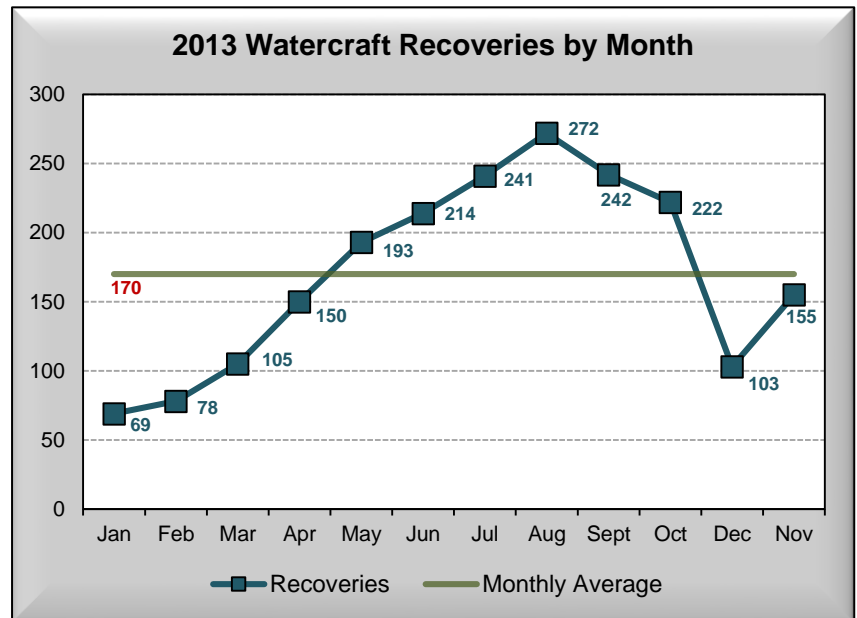


## 2013 Watercraft Thefts and Recoveries by Theft Month

The graph to the right displays the 2013 watercraft thefts per theft month, as well as the 2013 average thefts per month marker for comparative purposes. As previously mentioned, watercraft thefts are not evenly distributed over the year and this graph clearly highlights that. Watercraft theft is a seasonal crime with more thefts occurring in spring and summer, as the months of April through September all exceeded the monthly average of 461. July had the highest number of thefts with 691, while February had the fewest thefts with 260.

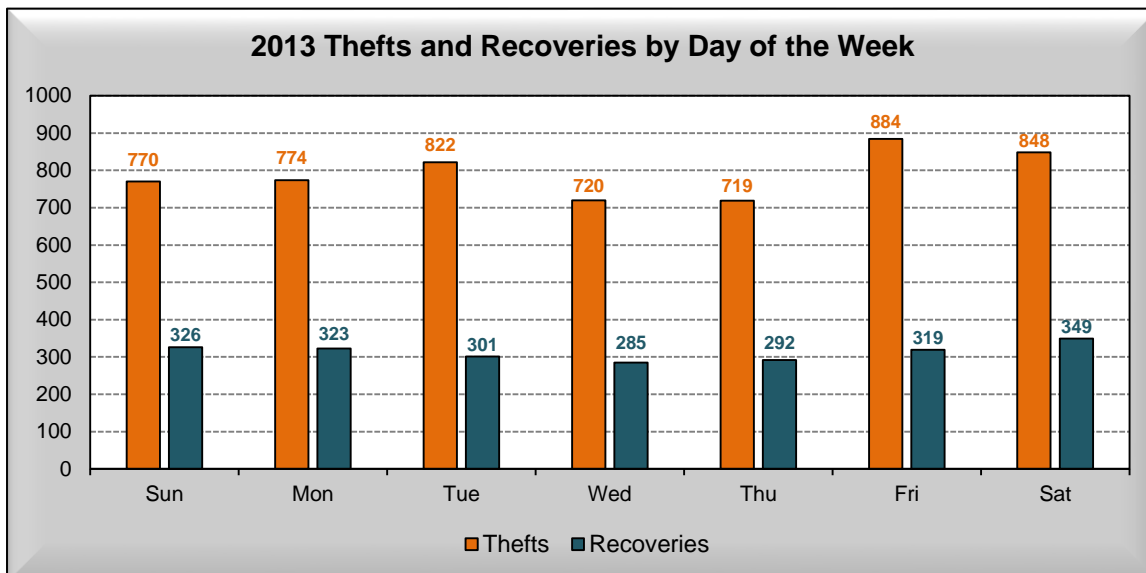


The graph to the right displays the 2013 watercraft recoveries per month, as well as the 2013 average recoveries per month marker for comparison. Only recoveries made in 2013 were included. Of the watercraft thefts in 2013, there was an average of 170 recoveries per month. As with the thefts, recoveries appear to be seasonal with May through October having a higher than average number of recoveries. August had the highest number of recoveries at 272, and January had the fewest number of recoveries at 69.



## 2013 Watercraft Thefts and Recoveries by Day of the Week

The graph on the following page displays the number of watercraft thefts and recoveries by the day of the week for 2013. Only recoveries from 2013 were included in this analysis. The day with the most watercraft thefts in 2013 was Friday with 884 thefts, and the day with the least number of thefts was Thursday with 719 thefts. The day with the most recoveries was Saturday with 349 recovered watercrafts, and the day with the fewest number of recoveries was Wednesday with 285. The differences between the highest and lowest numbers of thefts and recoveries per each day of the week were relatively low, therefore, no discernable patterns can be identified.



### 2013 Watercraft Thefts and Recoveries: Analysis of the Number of Days between Theft Date and Recovery Date

The following table displays the Top 10 number of days between a watercraft's theft and recovery date in descending order by number of recovered thefts (shown below in **bold green** font). All 2,195 recoveries from 1/01/2013 through 4/03/2014 were included in this analysis. Of the 2,195 recovered thefts, 548 were recovered by the end of the following day, representing 25% of all recoveries. Of the Top 10 days to recovery, 51% of all thefts were recovered within 8 days of the theft date. Only 12% of thefts were recovered after 30 or more days had elapsed (675 recoveries). This may suggest that as time continues to elapse, the possibility of recovery continues to diminish.

#### Top 10 Number of Days Between Theft Date and Recovery Date

Days to Recovery	Recovered Theft	% of All Thefts	% of All Recoveries
0 (Same Day)	<b>298</b>	5%	14%
1	<b>250</b>	5%	11%
2	<b>170</b>	3%	8%
3	<b>106</b>	2%	5%
4	<b>87</b>	2%	4%
5	<b>65</b>	1%	3%
7	<b>54</b>	1%	2%
8	<b>52</b>	1%	2%
6	<b>51</b>	1%	2%
10	<b>37</b>	1%	2%
<b>Totals</b>	<b>1170</b>	<b>21%</b>	<b>53%</b>

### 2013 Watercraft Thefts and Recoveries: Analysis of the Top 10 Number of Days Between Theft Date and Recovery Date by Boat Type

The table on the following page displays the average number of days between a watercraft theft date and corresponding recovery date for each boat type recognized by the NCIC, excluding the "All Other" category, and is listed in descending order by the average number of days to recovery. The average number of days to recovery is rounded to the nearest whole number. For comparative purposes, the number of thefts, the number of recoveries, and the recovery rate for each boat type is included. "Jet Ski" had the longest average days to recovery of 46 days, as well as the most thefts (1,215) and the lowest recovery rate (32%), excluding "Hydrofoil" and "Hydroplane" with 0% recovered. This may suggest that smaller boat types may be easier and more popular to steal yet more difficult to recover. "Airboat" had the highest recovery rate of 67% and an average days to

recovery of 18 days. "Hovercraft" had the shortest average days to recovery of 2 days and a recovery rate of 50%.

### 2013 Average Days to Recovery by Boat Type

Boat Type	Average Days to Recovery	Thefts	Recoveries	Recovery Rate
Jet Ski	46	1215	394	32%
Utility	38	363	153	42%
Runabout	37	871	405	46%
Yacht	31	5	3	60%
Houseboat	26	8	5	63%
Cruiser	25	214	100	47%
Sailboat	22	44	28	64%
Airboat	18	21	14	67%
Commercial	3	15	6	40%
Hovercraft	2	4	2	50%
Hydrofoil	-	1	0	0%
Hydroplane	-	2	0	0%

### Methodology

Data parameters were defined as all watercrafts stolen in the US between January 1, 2013 and December 31, 2013 that were reported to the NCIC. Corresponding recovery information was collected from the NCIC and included only watercrafts that were stolen in 2013 but were recovered between January 1, 2013 and April 3, 2014. Watercrafts stolen from the US but recovered outside of the US are included, as well. Steps taken to clean the data included:

1. Removing records not classified as watercrafts by the NCIC (the NCIC classifies watercrafts by assigning a file number beginning with the letter 'B')
2. Removing all records that did not identify a HIN
3. Removing duplicate records
4. Removing records with a theft location outside of the US
5. Removing all records used for testing and training purposes.

NCIC can be considered one of the most reliable and comprehensive sources of watercraft theft and recovery data, as it is a centralized database where local, state, and federal law enforcement agencies throughout the US can report crime information. Despite its reliability, many validity issues still arise through inaccurate or incomplete information within each individual record, which may result in limitations in the data. Of all 5,537 thefts in 2013, 14% did not provide or provided an unverifiable manufacturer's code, 26% did not supply or gave incomplete information on the boat type, and 35% did not provide or gave incomplete information on propulsion type. To offer all watercraft theft stakeholders with the most valuable information, any records with miscellaneous, misidentified, or unidentified information were not included in any Top 10, Top 5 or Top 3 Analyses within this report; however, all relevant calculations were evaluated based on the premise of 5,537 total thefts.

## Appendix 1: NCIC Boat Type Definitions

Airboat	Undefined
Commercial	Ferry, oyster boat, motor barge, towboat, tug, clam dredge, coaster, riverboat, smack boat, etc.
Cruiser	A boat with an inboard motor that is at least 25 feet long but no longer than 50 feet
Houseboat	Undefined
Hovercraft	Undefined
Hydrofoil	Undefined
Hydroplane	Undefined
Jet Ski	Aqua bike
Runabout	Launch, motorboat, outrider, speedboat, etc.
Sailboat	Cat, catamaran, cutter, bark, ketch, lateen, lugger, pinnace, schooner, sloop, yawl, etc.
Utility	Fisherman, sedan, etc.
Yacht	A boat with an inboard motor that is more than 50 feet in length and is used mainly for pleasure or recreation
All Other	Canoe, dinghy, dory, johnboat, kayak, lifeboat, paddleboat, rowboat, scull, skiff, etc.