## Marine Information System

- To conserve and manage Florida’s marine Fisheries
- Established by Florida Statute (F.S.) Chapter 370 in 1983
- Requires wholesale dealers to report each purchase of saltwater products from licensed commercial fishers
- Requires wholesale and retail dealers who produce (i.e., catch) saltwater products themselves to report amounts produced
- Monthly reporting required (weekly for quota-managed species)
- F.S. 370.07(6)(a) and Florid Administrative Code (FAC) 68E-5 specifies that records are to be kept by the dealers, the contents of these records, and reporting requirements


## Marine Fisheries Trip Ticket

- Trip tickets are used to quantify commercial landings (pounds and value) of fish and shellfish. Annually, about 110 million pounds worth an estimated $\$ 190$ million are reported on approximately 260,000 trip tickets.
- Provides resource managers with a measure of fishing effort (trips) and trends in fisheries
- Allows comparison of trip information (e.g., which species are caught, gears used on trips, participants in a fishery, levels of landings from trips).
- Provides fishers with a record of sales of fish and invertebrates, and participation in fisheries
- Four types of tickets: FWC issued, other approved dealer forms, oyster tally sheets, and digital records (see Attachments A1, A2)

Trip ticket data collected

- From 1985-1989, the marine fisheries trip ticket required the following information: Saltwater Products License (SPL; fisher license), dealer license, unloading date, time fished (usually time away from dock), county landed (where product came ashore), number of sets (nets, long lines), traps pulled (trap fisheries), soak time, species code, and amount of catch (usually in pounds). Area fished, depth, unit price, and dollar value were on the ticket, but were not yet mandatory.
- Beginning in 1990, gear fished (mandatory) and size code fields were added, and imprinters were required for recording SPL numbers. In January of 1995, area fished, depth, unit price and dollar value became mandatory fields. The gear data were expanded in June of 1997 to include recreational caught catch from head boat, guide, and charter boats that would be sold to licensed dealers. Though not required, data regarding aquaculture could be included as well. In November of 2000, trip start date, number of crew, state landed, grade and disposition of catch were added to keep in line with the minimum data requirements of the Atlantic Coastal Cooperative Statistics Program (ACCSP). This is the latest version of the Florida trip ticket (see Attachment B).

Tracking of trip tickets

- Trip tickets (in duplicate) are received by mail at FMRI St. Petersburg
- The FWC copies are separated, scanned for completeness, minor corrections made (dealers contacted when necessary), counted, banded, and entered into a computerized tracking system by date received
- Paper records (one copy) are sent to keypunch contractor
- Compliance with reporting deadlines evaluated, notices sent to late-reporting dealers
- New dealers sent questionnaires to determine need to report, necessary materials (trip tickets, postage-paid envelopes, posters and code lists \{see additional attachments\}, imprinters, etc.) sent to reporting dealers.

Editing of trip tickets

- Computerized data are edited using profiles of acceptable data for each field and for some combinations of fields. Examples of editing are range checks of each field, validity of license information, comparison of dealer and invoice numbers of tickets returned, number of gears used, area fished by species, county landed by species, depth by species, gear by species, gear quantity by gear, number of sets by gear, soak time by gear, size by species, amount of catch by species, and price by species.
- Corrections made to records (dealers contacted when necessary)
- Finalized records placed in a 'master' database at FMRI
- Beginning in 2000, all previously edited data and edit processes were converted from an ADABAS mainframe system to relational databases in Oracle. Comprehensive testing and analyses were performed to ensure a complete transition with no loss or corruption of data.

Trip ticket data uses

- Data are confidential under F.S. 370.07 and are exempt for Open Records Statutes (F.S. 119)
- Aggregate summaries are produced periodically throughout the year
- Requests for trip ticket information at various levels of summarization are received from many state, local, federal agencies, fishing groups, individuals, Commission staff, resource managers, and other interested persons
- Example uses of these data include examining management options, evaluation of quotas, and obtaining state and federal fishing permits
- Recent uses of these data were the allocation of stone crab trap certificates to qualified fishers, the qualification for federal South Atlantic rock shrimp fishing permits, and compensation to qualifying fishers for shrimp disaster relief

Accuracy and potential problems

- Data are as accurate as reported by the dealers (the FWC conducts audits on a limited scale to examine reporting by dealers. Also, some trip level data is received by our port samplers and compared to data received by dealers. Additional information is received from fishermen who have found discrepancies between their records and the FWC's).
- License information is used to link trip ticket data to fishers (occasional\$E, DARZeDst/fỉe information is inaccurate).
- Some information (even if mandatory) may be missing on tickets
- Some information may be reported late
- Fishers may possess more than one SPL, more than one boat, may license differently in different years, may skip a year or two, sell or buy a vessel, etc. Also, a fisher can be licensed as an individual, or a vessel, or both.
- Policy decisions may be needed to implement programs utilizing trip ticket data
- Corrections to the database may be needed


| BUDDY GANDY SEAFOOD, INC. 3004 WEST HIGHWAY 98 PANAMA CITY, FLORIDA 32401 |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| SPL M NO. OF CREN LــL DEALER WD 2968 |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |
| START DATE |  |  |  |  |  |  |  |
| UNLOAD <br> DATE AR COUNTY LANDED L_ STATE |  |  |  |  |  |  |  |
| DEPTHL_ F Feet |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |
| HEADBOAT لـ GUIDE CHARTER |  |  |  |  |  |  |  |
| PURCHASEDFROM |  |  |  | BG | 14195 |  | $$ |
| CODE | SilZE | grade | SPECIES NAME | LB/NUMBERS | UNIT\$ | \$ VALUE | DISP |
| 234 |  |  | TRIGGERFISH |  |  |  |  |
| 103 |  |  | AMBERJACK, GREATER |  |  |  |  |
| 219 |  |  | MACKEREL, SPANISH |  |  |  |  |
| 165 |  |  | MACKEREL, KING |  |  |  |  |
| 247 |  |  | PORGY (OTHER), PINKS |  |  |  |  |
| 379 |  |  | PORGY, RED |  |  |  |  |
|  |  |  | SNAPPER |  |  |  |  |
|  |  |  | SNAPPER |  |  |  |  |
|  |  |  | SNAPPER |  |  |  |  |
|  |  |  | GROUPER |  |  |  |  |
|  |  |  | GROUPER |  |  |  |  |
|  |  |  | GROUPER |  |  |  |  |
|  |  |  | GROUPER |  |  |  |  |
|  |  |  | MULLET |  |  |  |  |
|  |  |  | FLOUMDER |  |  |  |  |
|  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |
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|  |  |  |  |  |  |  |  |
| TOTAL |  |  |  |  |  |  |  |
| FWC \#33-611 |  |  |  |  |  |  |  |

## ATTACHMENT B - ID FORMAT FOR FORM A3* SEDAR7-DW-39 MARINE FISHERIES TRIP TICKET FILE STRUCTURE

| Field Data |  |  | Special FormattingInstructions | Field Name |
| :---: | :---: | :---: | :---: | :---: |
| From | To | Type |  |  |
| 1 | 9 | C | Up to 2 char. prefix, 7-digit number | Saltwater Products License |
| 10 | 18 | C | 2 char.+7-digits, | Vessel Identification Number or 2 char.+4- |
| digits+2 char. |  |  |  |  |
| 19 | 27 | C | Up to 2 char. prefix, 7-digit number | Dealer's License Number |
| 28 | 29 | N | 2 numeric digits | Number of Crew |
| 30 | 35 | N | MM/DD/YY | Trip Start Date |
| 36 | 41 | N | MM/DD/YY | Unloading Date |
| 42 | 44 | N | Fill with leading zeros | Actual Time Fished |
| 45 | 45 | C | 'H' or 'D' | H(ours) or D(ays) |
| 46 | 50 | N | Fill with leading zeros | Area Fished (one implied decimal place) |
|  |  |  | Format nnn.n |  |
| 51 | 52 | C | 2 char. | State |
| 53 | 54 | N | 2 numeric digits | County Landed (2-digit) |
| 55 | 58 | N | Fill with leading zeros | Depth |
| 59 | 59 | C | F or blank | F (athoms) or Blank (=feet) |
|  |  |  | 1 Gears Fished |  |
| 60 | 60 | C |  | '1'=Purse Seine, or blank |
| 61 | 61 | C | 1 or blank | ' 1 '=Beach or Haul Seine, or blank |
| 62 | 62 | C | 1 or blank | ' 1 '=Long Line, or blank |
| 63 | 63 | C | 1 or blank | ' 1 '=Hook \& Line, or blank |
| 64 | 64 | C | 1 or blank | ' 1 '=Traps, or blank |
| 65 | 65 | C | 1 or blank | ' 1 '=Trawl, or blank |
| 66 | 66 | C | 1 or blank | '1'=Gill net, or blank |
| 67 | 67 | C | 1 or blank | ' 1 '=Trammel net, or blank |
| 68 | 68 | C | 1 or blank | ' 1 '=Cast net, or blank |
| 69 | 69 | C | 1 or blank | '1'=Bandit rig, or blank |
| 70 | 73 | C | 4 numeric digits or blank | 4-digit gear code, or blank |
| 74 | 75 | N | Fill with leading zeros | Number of gear sets |
| 76 | 79 | N | Fill with leading zeros | Number of traps pulled |
| 80 | 82 | N | Fill with leading zeros | Soak time |
| 83 | 83 | C | ' H' or 'D' | H(ours) or D(ays) |
| 84 | 84 | C | 1 or blank | '1'=Headboat, or blank |
| 85 | 85 | C | 1 or blank | ' 1 '=Guide trip, or blank |
| 86 | 86 | C | 1 or blank | ' 1 '=Charterboat, or blank |
| 87 | 87 | C | 1 or blank | ' 1 '=Aquaculture, or blank |
| 88 | 97 | C | Left justify | Aquaculture Lease Number |
| 98 | 101 | C | Left justify, usually 2 char. | Invoice Prefix (dealer preprinted invoices) |
| 102 | 108 | N | Fill with leading zeros | Invoice Number |
| 109 | 109 | C | alphanumeric char. or blank | Invoice Continuation (for split trips) |
| 110 | 112 | N | 3 numeric digits | Species Code (3-digit) |
| 113 | 113 | S | blank | Not used on this form |
| 114 | 121 | C | Left justify | Size or Shrimp Count Code |
| 122 | 123 | C | 2 char. | Grade or Market Category |
| 124 | 133 | N | Fill with leading, trailing zeros | Amount of Catch (precision to 0.01 units) |
|  |  |  | Format nnnnnnn.nn |  |
| 134 | 134 | S | blank | Not used on this form |
| 135 | 141 | N | Fill with leading, trailing zeros | Unit Price (precision to 0.001 units) |
|  |  |  | Format nnn.nnn |  |
| 142 | 142 | S | blank | Not used on this form |
| 143 | 144 | C | 2 char. | Disposition of catch |
| 145 | 146 | C | "A3" | Form Number "A3" |
| N=Numeric Data C=Character Data S=Spaces |  |  |  |  |
| *Note: beside | Form <br> he In | A3 trip oice nu | kets have the form number "A3" coded er/continuation field. | the upper right-hand corner of the ticket or |

# FLORIDA FISH AND WILDLIFE CONSERVATION COMMISSION 

FLORIDA MARINE RESEARCH INSTITUTE MARINE FISHERIES TRIP TICKET

## LIST OF SPECIES CODES AND NAMES

FINFISH
103 Amberjack, greater
471 Amberjack, greater (cores)
415 Amberjack, lesser
472 Amberjack, lesser (cores)
104 Anchovies (pounds)
450 Angelfish
102 Bait Fish (pounds)
182 Bait Fish (numbers)
105 Ballyhoo (pounds)
106 Ballyhoo (numbers)
459 Barracuda (or sennet)
457 Barrelfish
408 Bass, longtail
287 Bigeye (razors)
107 Bluefish
108 Blue Runner (numbers)
109 Blue Runner
273 Bream, red ("alfonsin")
385 Brotula
409 Bumper, Atlantic (pounds)
453 Butterfish
115 Catfish (sailcats, hardheads)
113 Cobia
118 Croaker (numbers)
119 Croaker
387 Cusk-eel
407 Cutlassfish
121 Dolphin
123 Drum, black
275 Eel, conger
277 Eel, moray
125 Eel, other
384 Escolar
291 Flounder, Gulf
292 Flounder, southern
293 Flounder, summer
127 Flounder, other
295 Flyingfish
371 Flyingfish (numbers)
401 Goatfishes (Mullidae)
131 Grouper, black (carberita)
431 Grouper, coney
133 Grouper, gag
433 Grouper, graysby
439 Grouper, hind, red ("strawberry")
441 Grouper, hind, rock
443 Grouper, hind, speckled (Kitty Mitch
435 Grouper, marbled
437 Grouper, misty
135 Grouper, Nassau
137 Grouper, red
139 Grouper, scamp
141 Grouper, snowy
445 Grouper, tiger
143 Grouper, warsaw
145 Grouper, yellowedge
147 Grouper, yellowfin (="fireback")
447 Grouper, yellowmouth
150 Grouper, mixed
149 Grouper, other

## 151 Grunts

152 Grunts (numbers)
388 Hake (southern, gulf, spotted)
455 Harvestfish
289 Herring, round
153 Herring, thread
154 Herring, thread (numbers)
155 Hogfish ("Hog Snapper")
416 Jack, almaco
473 Jack, almaco (cores)
393 Jack, Atlantic moonfish
395 Jack, bar
396 Jack, bar (numbers)
157 Jack, crevalle
397 Jack, horse-eye (gallego)
398 Jack, lookdown
399 Jack, yellow
159 Jack, mixed
161 Jack, other

249 Kingfish ("whiting")
167 Ladyfish
456 Ladyfish (headed \& gutted)
166 Lizardfish
220 Mackerel, cero
164 Mackerel, chub
165 Mackerel, king
219 Mackerel, Spanish
391 Margates
168 Menhaden (pogies, bunkers; numbers)
173 Menhaden (pogies, bunkers)
403 Mojarra (Gerreidae, striped, spotfin, other 404 Mojarra, Irish pompano

172 Mullet, fingerling
174 Mullet, fingerling (numbers)
175 Mullet, black (striped, liza)
176 Mullet, black, roe, red (lbs of fish)
178 Mullet, black, roe, white (Ibs of fish)
475 Mullet, black, roe (red/white roe only)
177 Mullet, silver
470 Mullet, silver (numbers)
297 Needlefish
298 Needlefish (numbers)
383 Oil fish
389 Opah
451 Parrotfish
181 Permit
411 Pinfish (numbers)
412 Pinfish (pounds)
224 Pomfret, bigscale
226 Pomfret, other
183 Pompano, Florida
458 Pompano, African
247 Porgy, other (scup)
372 Porgy, grass
373 Porgy, jolthead
375 Porgy, knobbed
377 Porgy, longspine
379 Porgy, red
54 Puffers
184 Rays (skates)
414 Rudderfish, banded ("amberina")
474 Rudderfish, banded (cores)
187 Sand Perch (Serranidae)
188 Sand Perch (Serranidae; numbers)
413 Sardines, scaled
274 Sardines, scaled (numbers)
221 Sardines, Spanish
222 Sardines, Spanish (numbers)

129 Scad, bigeye (goggle-eye, pounds)
130 Scad, bigeye (goggle-eye, numbers)
117 Scad, round (cigarfish, pounds)
417 Scad, round (cigarfish, numbers)
381 Scorpionfish
382 Rosefish, blackbelly

281 Sea bass, bank
283 Sea bass, black
285 Sea bass, rock
189 Sea bass, mixed

## 299 Searobins

191 Seatrout, weakfish (East coast)
192 Seatrout, silver
193 Seatrout, spotted
195 Seatrout, sand (Gulf coast)

197 Shad, American
461 Shad, gizzard

478 Shark, Atlantic sharpnose
480 Shark, bignose
476 Shark, blacknose
477 Shark, blacktip
479 Shark, bonnethead
481 Shark, bull
483 Shark, dusky
482 Shark, finetooth
485 Shark, hammerhead
487 Shark, lemon
489 Shark, mako, shortfin
491 Shark, sandbar
492 Shark, silky
496 Shark, spinner
493 Shark, threshe
495 Shark, tiger
199 Shark, mixed
497 Shark, other
200 Shark Fins

## 201 Sheepshead

418 Snapper, black
419 Snapper, blackfin (hambone)
426 Snapper, Caribbean red
420 Snapper, cubera
421 Snapper, dog
205 Snapper, grey (mangrove)
203 Snapper, lane
423 Snapper, mahogany
207 Snapper, mutton
425 Snapper, queen (ballbat)
209 Snapper, red
427 Snapper, schoolmaster
211 Snapper, silk (yellow-eye)
213 Snapper, vermilion (b-liner)
429 Snapper, wenchman
215 Snapper, yellowtail
218 Snapper, mixed
217 Snapper, other
452 Spadefish
225 Spot
228 Spot (numbers)
120 Squirrelfish (razors)
279 Surgeonfish
229 Swordfish
179 Tilapia ("Nile Perch")
234 Triggerfish
449 Tripletail
463 Tilefish, anchor
465 Tilefish, blackline
231 Tilefish (golden)
467 Tilefish, goldface
233 Tilefish, blueline (gray)
469 Tilefish, sand
240 Tuna, albacore
235 Tuna, bigeye
237 Tuna, blackfin
239 Tuna, bluefin
241 Tuna, skipjack
243 Tuna, yellowfin
244 Tuna, mixed
111 Tunny, little ("bonito")
245 Wahoo
405 Wreckfish
406 Wreckfish roe (red/white roe only, lbs)
251 Miscellaneous Food Fish
253 Miscellaneous Industrial Fish
NVERTEBRATES
309 Clams (ungraded, gallons)*
308 Clams (ungraded, numbers)*
256 Clams, littlenecks (numbers)*

257 Clams, middlenecks (numbers)*
258 Clams, topneck (numbers)*
259 Clams, cherry (numbers)*
261 Clams, chowder (numbers)*
370 Clams (pounds in shell)*
301 Clams, sunray venus
314 Conch (whelk, helmet)
321 Crab, blue (hard, pounds)
322 Crab, blue (hard, numbers)
323 Crab, blue (soft, numbers)
448 Crab, calico (dolly varden; bait)
324 Crab, golden
364 Crab, horseshoe (numbers)
368 Crab, Jonah
360 Crab, mole (sand flea)
369 Crab, mole (sand flea; numbers)
366 Crab, red
325 Crab, stone (jumbo claws)
327 Crab, stone (large claws)
329 Crab, stone (medium claws)
331 Crab, stone (small claws)
332 Crab, stone (ungraded, green claws)
319 Lobster, Spanish (dozers)
320 Lobster, Spanish (tails)
317 Lobster, spiny (whole)
318 Lobster, spiny (tails)
302 Oysters (pounds in shell)*
303 Oysters (bushels, sacks)*
304 Oysters (pounds of meat)* 305 Oysters (gallons)*
307 Oysters (barrels)*
310 Scallops, bay (bags, bushels)
311 Scallops, bay (gallons)
312 Scallops, bay (lbs of meat)
263 Scallops, bay (lbs in shell)
265 Scallops, bay (numbers)
269 Scallops, calico (bags, bushels)
313 Scallops, calico (gallons)
267 Scallops, calico (lbs of meat)
271 Scallops, calico (lbs in shell)

345 Shrimp, bait (numbers)
346 Shrimp, bait (pounds)
337 Shrimp, brown (heads off)
338 Shrimp, brown (heads on)
333 Shrimp, pink (heads off)
334 Shrimp, pink (heads on)
339 Shrimp, rock (heads off)
340 Shrimp, rock (heads on)
341 Shrimp, royal red (heads off) 342 Shrimp, royal red (heads on)
335 Shrimp, white (heads off)
336 Shrimp, white (heads on)
343 Shrimp, other (heads off)
344 Shrimp, other (heads on)
355 Sponge, grass (numbers)
353 Sponge, sheepswool (numbers)
357 Sponge, yellow (numbers)
359 Sponge, other (numbers)
351 Crustaceans, mixed
367 Jellyfish
361 Miscellaneous Invertebrates
362 Mussels
349 Octopus
363 Sea Cucumbers
365 Sea Urchins
347 Squid


| Gear Code | Description | Most often used for: | Gear Code | Description | Most often used for: |
| :---: | :---: | :---: | :---: | :---: | :---: |
|  | Trawls |  |  | Hook \& Line |  |
| 1900 | Beam Trawl | Food Shrimp | 6110 | Rod And Reel |  |
| 2001 | Single Trawl | Food Shrimp | 6120 | Hand Reel |  |
| 2002 | Double Trawl | Food Shrimp | 6130 | Electric Reel |  |
| 2003 | Twin Trawl | Food Shrimp | 6301 | Head Boat |  |
| 2004 | Roller Trawl | Fish, Shrimp | 6302 | Guide Boat |  |
| 2005 | Roller Frame Trawl | Bait Shrimp | 6303 | Charter Boat |  |
| 2007 | Quad Rig Trawl | Food Shrimp | 6750 | Long Line, Surface/Midwater |  |
| 2009 | Skimmer Trawl | Food Shrimp | 6760 | Long Line, Bottom |  |
|  |  |  | 6770 | Bouy Drop Line |  |
|  |  |  | 6800 | Trot Line | Catfish |
|  | Nets |  |  |  |  |
|  |  |  |  | Hand Gears |  |
| 200 | Beach/Haul Seine | Fish |  |  |  |
| 1450 | Purse/Rib Seine | Bait Fish | 7600 | Gig/Spear | Fish |
| 1455 | Purse/Tarp | Fish | 8400 | Tongs | Oysters |
| 1750 | Lampara | Bait Fish (Ballyhoo) | 8405 | Hand (Hogging) | Oysters |
| 1890 | Butterfly (Wing) Net | Shrimp | 9250 | Sponge Hook | Sponges |
| 4700 | Gill Net | Fish | 9355 | Other Tropicals |  |
| 4750 | Gill Net, Run-around | Fish | 9430 | Chemical, Quinaldine | Tropicals |
| 4760 | Gill Net, Stab | Fish | 9431 | Chemical, other | Tropicals |
| 4770 | Gill Net, Sink | Fish | 9432 | Hand Net | Tropicals, Lobsters, Hoop Net |
| 4780 | Gill Net, Drift | Shark | 9433 | Scuba | Tropicals, Lobsters |
| 5300 | Trammel Net | Fish | 9434 | Snorkel | Tropicals, Lobsters |
| 5350 | Trammel, Run-around | Fish | 9435 | Bully Net | Lobsters |
| 5360 | Trammel, Stab | Fish | 9436 | Shrimp Dip Net | Shrimp |
| 7250 | Push Net | Shrimp | 9437 | Hand Gear | Tropicals |
| 7350 | Cast Net | Fish, Bait Fish | 9550 | Rake, Shovel, Pitchfork | Clams |
|  |  |  | 9551 | Hand Gear | Clams |
|  | Traps |  |  |  |  |
|  |  |  |  | Other Gears |  |
| 3300 | Blue Crab Trap |  |  |  |  |
| 3330 | Stone Crab Trap |  | 8300 | Dredge | Scallops, Clams |
| 3450 | Fish Trap |  | 9901 | Retail Bait |  |
| 3550 | Lobster Trap |  | 9999 | Other Gears |  |
| 3700 | Shrimp Trap |  | 9944 | Tournament |  |
| 3860 | Other Trap |  | 9955 | Aquaculture | Clams, Oysters, Live Rock |
|  |  |  | 9 |  |  |

