
Appendix B

General Explanation and Report Form

DEVELOPMENT OF THE REPORT FORM

Planning for the 2018 Census of Aquaculture started in 2017 with the mailout for the 2017 Census of Agriculture. The report form was developed through input from other government agencies, special interest groups, and each of NASS's field offices. Report form testing was conducted in several States and included various types of aquaculture producers. Aquaculture producers were asked to evaluate the report form through cognitive interviews, and patterns which emerged from these interviews were considered when making changes to the report form.

DATA CHANGES

Following are report form changes and their effect on the publication tables.

Report Form Changes

Added items include:

- Freshwater and saltwater area in square feet
- Crustacean and mollusk section, unit of pint

Deletions include:

- Screening skip pattern for aquaculture producers that solely produced and distributed aquaculture for restoration, conservation, enhancement, or recreational purposes

Table Changes

Aquaculture producers that solely produce and distribute aquaculture for restoration, conservation, enhancement, or recreational purposes are included in the following tables:

- Table 10. Freshwater and Saltwater Acres Used for Aquaculture Production
- Table 11. Sources of Water Used for Aquaculture Production

- Table 12. Methods Used for Aquaculture Production

DEFINITIONS AND EXPLANATIONS

The following definitions and explanations provide a detailed description of the terms used in this publication. Items in the tables which carry the note "See text" are also explained. For exact wording of the questions on the 2018 Census of Aquaculture report form, see a copy of the form at the end of this appendix.

Algae. These are a very large and diverse group of simple organisms that can range from the microscopic (microalgae) to large seaweeds (macroalgae), such as giant kelp more than 100 feet in length. Microalgae include both organisms similar to bacteria called blue green algae, as well as green, brown, and red algae. Most algae grow through photosynthesis.

Aquaponics. This is a system of aquaculture in which the waste produced by farmed fish or other aquatic animals supplies nutrients for plants grown hydroponically (cultivating plants in water), which in turn purify the water.

Baitfish. These are fish used for bait, such as crawfish for bait, fathead minnows, goldfish (feeder and bait), golden shiners, other shiners (emerald, silver, etc.), and suckers. Examples of fish in the Other baitfish category include hubs, leeches, and other types of minnows.

Broodstock. These are fish or other stock kept for reproduction, including males. Female broodfish produce the fertilized eggs which go to hatcheries.

Cages or pens. Cage culture involves growing a culture species in floating cages or baskets. Cages are normally used in larger, open bodies of water, such as

lakes or rivers. The sides of the cages are rigid and are made of materials like plastic or plastic covered wire. Pens are large enclosures usually placed in rivers or ocean bays. Pens are usually floated in the water, but may also be secured to the bottom. Pens are supported in some way, with the sides being flexible.

Carp, other. This category includes bighead, black, common, silver carp, and other carp not listed on the report form.

Crustaceans. These are invertebrate animals with a hard-shelled, segmented body and jointed legs. Examples include crawfish, lobsters, prawns, shrimp, and soft-shell crabs.

Direct to consumers. This sales category includes sales made directly to individuals for home consumption or placement in their ponds for personal use. Also included are operations that raise and market fish through their own fee fishing operation. Sales made to fee fishing operations are included under Wholesale to other producers.

Eggs. These are embryos surrounded by nutrient material and a protective covering.

Enhancement. This is a term often used on the West Coast with salmon. State and tribal hatcheries are releasing young salmon into known population areas to be harvested later upon the salmon return from the sea.

Fingerlings. A size category including young fish, larger than a fry but not an adult.

Flow through raceways. This is an environment where fish are in a confined area, usually long and narrow, in which water enters one end and exits the other. Raceways can either be a natural flow system or a closed system. A natural flow system uses the natural flow of a river or stream, with water diverted from the stream. A closed system has the water from the raceway flow through a series of ponds and then is pumped into a header pond that flows back into the raceway. The water area for a closed system is the surface acres of a raceway and all associated ponds. The area for a natural flow system is the surface acres that the raceway occupies.

Food fish. These are fish raised primarily for food.

Examples include hybrid striped bass, carp, catfish, flounder, yellow perch, red drum, salmon, sturgeon, tilapia, and trout. Examples of Other food fish include barramundi, cobia, Atlantic and black cod, pangasius/swai, seriola, yellow croaker, and other food fish not listed on the report form.

In the 2018 Census of Aquaculture, the summary by value of aquaculture products sold is published for all food fish, including catfish and trout. In addition, eggs from food fish are included in the food fish totals.

Foodsize. A size category including grown aquaculture products ready for market, also known as market size.

Fry. A size category including very young post-larval fish.

Government agencies. This sales outlet category includes sales made to Federal, State, or local government agencies, hatcheries, or other groups involved in purchasing aquaculture to stock Federal, publicly owned, or regulated waters and recreational areas.

Hybrid catfish. These are a cross between a female channel catfish and a male blue catfish.

Hybrid striped bass. These are a cross between a male white bass and a female striped bass.

Larvae. Newly hatched, earliest stage of animals that undergo metamorphosis, differing markedly in form and appearance from the adult.

Live haulers, brokers, etc. Individuals or companies that purchase aquaculture products from a producer for immediate resale. They may or may not take possession of the product. Live haulers transport aquaculture products in oxygenated tank trucks to other outlets, including processing plants, pay lakes, recreational lakes, and retail outlets.

Miscellaneous aquaculture. This category represents the production of aquaculture products other than food fish, sport fish, baitfish, ornamental fish, crustaceans, and mollusks. Examples include microalgae, sea vegetables such as seaweed and ogo, alligators, caviar, eels, frogs, sea urchins, snails, tadpoles, turtles, and live rock. Examples of Other

miscellaneous aquaculture include *Gambusia* and bioassay fish (fish used for toxicity testing).

Mollusks. These are marine invertebrates. Invertebrates have no backbone structure. In general, mollusks have three body regions: a head, a visceral mass, and a “foot.” Mollusks usually have a shell; although, some do not. Examples include Abalone, clams, mussels, oysters. Examples of mollusks in the Other mollusk category include scallops and scallop seed.

Mollusks off bottom. The use of water column suspension techniques, including enclosures and lines for the production of normally bottom-dwelling mollusks. These techniques are designed to minimize bottom predators and maximize the use of a three-dimensional space for cultivation.

Mollusks on bottom. The practice of raising mollusks on the bottom of tidal waters that have had oyster shell, clam shell, or other material added to improve the habitat for growth and survival.

Non-recirculating systems. Process of rearing aquatic organisms and discharging the water after its intended use.

Off farm water. Water that comes from a Federal supplier; irrigation district; mutual, private, or cooperative ditches; commercial company; or municipal or community water system.

On farm surface water. Surface supply not controlled by a water supply organization. Examples include streams, drainage ditches, lakes, ponds, springs, and reservoirs.

Ornamental fish. These are fish raised for water gardens, aquariums, etc. Examples include Koi and guppies. An example in the Other ornamental fish category is seahorses.

Other aquaculture products. This category includes all aquaculture products that are not listed in the table.

Oysters, other. This category includes Kumamoto and other oysters besides Eastern and Pacific.

Pens. See Cages or pens.

Point of first sale. The first point at which money is exchanged for aquaculture products. For example, delivery of aquaculture products from the farm to the processing plant is considered to be the point of first sale.

Ponds. The most common type of water facility for raising fish. Most ponds are man-made and fish usually have access to the entire pond.

Processors. Companies that convert live fish to a product ready to cook, such as fish fillets. Usually, the purchasing plant has no ties to the producer. However, in some cases, the plant may be a cooperative that is jointly owned by the producer and other producers. Also included in this category are the sales of aquaculture products by vertically integrated operations through their own processing and marketing operations.

Recirculating systems. Metal, plastic, or fiberglass tanks normally above ground and usually under cover used for the rearing of aquatic organisms where 90 percent or more of system water is recycled. Some tanks may consist of frames with liners.

Recreational stocking. When the point of first sale is recreational stocking, the purchaser will use the aquaculture production to stock private lakes or ponds.

Saltwater. Water from a sea or ocean, including brackish water. Freshwater converted to saltwater by adding chemicals was tabulated as saltwater acres used in production. The source of water was tabulated as freshwater.

Sea vegetables. A type of algae seaweed that grows naturally in the ocean.

Seed. A size category including young aquaculture species, generally oysters, clams, or mussels, used for stocking; newly fertilized, earliest stage of these animals, also known as seed stock.

Shellfish. An aquatic invertebrate animal with a shell, particularly an edible mollusk or crustacean.

Sport fish. These are fish raised primarily to be released into lakes and streams to be caught by sport fishermen. Fish may also be sold to fee fishing

operations. Examples include largemouth and smallmouth bass, crappie, muskie, northern pike, sunfish, and walleye.

Stockers. A size category including young aquaculture species that are large enough to be placed in the final grow-out pond, net, pen, or tank to grow to foodsize.

Sunfish. This category includes bluegill, coppnose, bream, redear/shellcrackers, etc.

Surface water acres. A measure of the number of square acres needed to cover the surface of a pond, tank, raceway, etc.

Value of sales. The gross value of sales before marketing and production costs are deducted.

Wholesale to other producers. This sales outlet category includes sales made to other aquaculture producers who buy live fish to raise for a later sale.

The information you provide will be used for statistical purposes only. Your responses will be kept confidential and any person who willfully discloses ANY identifiable information about you or your operation is subject to a jail term, a fine, or both. This survey is conducted in accordance with the Confidential Information Protection provisions of Title V, Subtitle A, Public Law 107-347 and other applicable Federal laws. For more information on how we protect your information please visit: www.nass.usda.gov/confidentiality. Response to this survey is required by law under Title 7 USC 2204(g) Public Law 105-113.

2018 CENSUS OF AQUACULTURE

AQ-100
(08/21/2018)



National Agricultural
Statistics Service

Please return your
completed report to:

Census of Aquaculture
1201 East 10th Street
Jeffersonville, IN 47132

Please make corrections to name, address and ZIP code if necessary.

According to the Paperwork Reduction Act of 1995, an agency may not conduct or sponsor, and a person is not required to respond to, a collection of information unless it displays a valid OMB control number. The valid OMB control number for this information collection is 0535-0237. The time required to complete this information collection is estimated to average 30 minutes per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information.

Everyone who receives a form must return one by mail or via the Internet at

www.agcounts.usda.gov

Your report is due by January 14, 2019.

Questions? Call us toll free at 1-888-4AG-STAT (1-888-424-7828)

SECTION 1: AQUACULTURE PRODUCTION SCREENING

1. In **2018**, did this operation or the individual(s) listed on the address label **produce** any fish, mollusks, crustaceans, or other aquaculture products? **Produce** means that inputs are supplied to add weight or change the form of aquatic animals.

INCLUDE: • Catfish, trout, food and/or sportfish, baitfish, crustaceans and mollusks, ornamental fish, miscellaneous aquaculture, and aquaculture distributed.

EXCLUDE: • Wild-caught products.
• Aquaculture products brokered for immediate resale or distribution.

³⁷⁷ 1 **Yes** - Go to Section 2, page 2

3 **No** - Go to Section 13, page 16

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SECTION 2: SOURCES OF WATER

1. In 2018, which of the following **SOURCES** of water did this operation use for its aquaculture production? Check all that apply.

- 151 **Groundwater / Well water** - Water from a well or wells located on this farm or another farm, or recycled from a well pond.
- 152 **On-farm surface water** - Surface supply not controlled by a water supply organization. Include streams, drainage ditches, farm lakes, runoff ponds, springs, or reservoirs on or adjacent to this farm.
- 153 **Off-farm water** - Water from a federal supplier, irrigation district, cooperative or neighborhood ditches, commercial company, or municipal (town) or community water system.
- 154 **Saltwater** - Include brackish water, tidal, sub-tidal, open public waterways, owned or leased.

SECTION 3: METHODS OF PRODUCTION

1. In 2018, how many **freshwater** acres or surface area square feet were used to produce fish, mollusks, crustaceans, or other aquaculture products? 120

a. Of those reported in 1, how many were rented or leased **FROM** others? (Include leased from the State.) 124

Freshwater Acres	
Acres	Tenths

OR
090

Freshwater Surface Area Square Feet

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091

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2. In 2018, how many **saltwater** acres or surface area square feet were used to produce fish, mollusks, crustaceans or other aquaculture products? 121

a. Of those reported in 2, how many were rented or leased **FROM** others? (Include leased from the State.) 122

Saltwater Acres	
Acres	Tenths

OR
092

Saltwater Surface Area Square Feet

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093

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3. Which production methods did this operation use in 2018?

Report each production area only once. All production areas reported under Question 3a-3j should equal the total production area reported in Question 1 and 2.

a. **Ponds:**

(i) How many ponds were used to produce aquaculture products? (Exclude flooded cropland)..... 125

Number

(ii) What was the total water surface area of these ponds?..... 130

Acres	Tenths

OR
139

Square Feet

b. **Cropland used for crawfish:** How many total cropland acres were used for crawfish production? 129

Acres	Tenths

c. **Flow through raceways:** How many raceways were used for raising aquaculture products?..... 132

Number

Continued on page 3

3. (Continued from previous page) Which production methods did this operation use in 2018?

d. Recirculating systems (Exclude aquaponics, report in Item 3f):

(i) How many recirculating tanks, where 90 percent or more of the system water is recycled, were used to produce aquaculture products?	126	Number	
(ii) What was the total volume of these tanks?	135	Gallons	

e. Non-recirculating systems:

(i) How many non-recirculating tanks, where 89 percent or less of the system water is recycled, were used to produce aquaculture products?	123	Number	
(ii) What was the total volume of these tanks?	140	Gallons	

f. Aquaponics:

(i) How many tanks were used to produce aquaculture products in an aquaponics system?	128	Number	
(ii) What was the total volume of these tanks?	134	Gallons	

g. Cages or Pens:

(i) How many cages or pens were used to produce aquaculture products? (Exclude traps)	127	Number	
(ii) What was the total volume of these cages or pens?	133	Cubic Feet	

h. Mollusks on bottom: What was the total water area?

136	Acres	Tenths	
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i. Mollusks off bottom: Which of the following were used? Check all that apply.

141 <input type="checkbox"/> Floating Trays	143 <input type="checkbox"/> Long lines	145 <input type="checkbox"/> Rafts	8013
142 <input type="checkbox"/> Racks and bags	144 <input type="checkbox"/> String culture	146 <input type="checkbox"/> Other, specify:	

j. Other method not listed above: Report unit and volume.

Specify type ↴

8014		Unit	Volume
	137		138

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SECTION 4: CATFISH

1. Did this operation **produce** any catfish in 2018?

³⁷² 1 **Yes** - Continue

3 **No** - Go to Section 5, page 6

2. What are the total **WATER ACRES** used and to be used on this operation to produce catfish during the period of **January 1 – June 30, 2019**? (Exclude areas of new facilities under construction) 259

Acres

a. How many of the total acres are currently being or will be **RENOVATED**? 260

b. How many of the total acres are **USED FOR BROODFISH** production? 261

c. How many of the total acres are **USED FOR FOODSIZE** production? 266

d. How many of the total acres are **USED EXCLUSIVELY FOR FINGERLINGS**? 262

3. What is the water area of **NEW FACILITIES** under construction or to be constructed for use during the period of **January 1 – June 30, 2019**? 263

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4. Of the facilities previously used to produce catfish, how much water area was **TAKEN OUT OF PRODUCTION** during the period of **July 1 – December 31, 2018**? 264

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5. How many of the total acres are **USED OR TO BE USED FOR HYBRID CATFISH** during the period of **January 1 – June 30, 2019**? 265

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6. On **January 1, 2019**, what was this operation's estimated inventory of catfish in the following size categories? For items 6b through 6g, exclude Broodfish reported in item 6a.

SIZE CATEGORY	CATFISH INVENTORY					
	Total Number	OR	Total Pounds	Average Pounds		
				Per Fish	Per 1000 Fish	
a. Broodfish - fish being used or to be used for breeding.	721	OR	720	722	Tenths	
b. Large Foodsize - over 3 lbs.	724	OR	723	725		
c. Medium Foodsize - over 1½ lbs. to 3 lbs.	727	OR	726	728		
d. Small foodsize - over ¾ lbs. to 1½ lbs.	730	OR	729	731		
e. Large Stockers - over 180 lbs. to 750 lbs./1000 fish	733	OR	732			735
f. Small Stockers - over 60 lbs. to 180 lbs./1000 fish	737	OR	736			739
g. Fingerlings - 2 to 6 inches OR 2 to 60 lbs./1000 fish.	741	OR	740			742

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Note: Catfish produced and not sold but distributed for restoration, conservation, or recreation purposes should be reported in Section 12, page 15.

7. During 2018, what were this operation's Total Catfish Sales? Value of sales should reflect the price received at the farm gate, excluding packaging and distribution costs. If this operation has its own processing plant, the reported sales should be the value going into the plant.

SOLD AS:	Total Number Sold	Total Pounds Live Weight Sold	Total Sales (Dollars)
a. Broodfish (fish being used or to be used for breeding).....	610	609	611
			\$.00
b. Broodfish (previously used for breeding).....	613	612	614
			\$.00
c. All Foodsize (over ¾ lbs. per fish).....	616	615	617
			\$.00
d. Stockers (over 6 inches) or (over 60 lbs. to 750 lbs. per 1000 fish).....	619	618	620
			\$.00
e. Fingerlings (2 to 6 inches) or (2 lbs. to 60 lbs. per 1000 fish).....	622	621	623
			\$.00
f. Fry (under 2 inches) or (less than 2 lbs. per 1000 fish).....	625	624	626
			\$.00
g. Catfish Eggs (fertilized).....	627		628
			\$.00

8. In 2018, what percent of the total value of catfish sales reported in Items 7a - 7g above was sold directly to each of the following point of first sale outlets? Exclude fish bought for immediate resale or fish brokered by this operation.

POINT OF FIRST SALE OUTLET	Percent of Total Value of Sales:			
	FOODSIZE over ¾ pound (Include Broodfish)		STOCKERS ¾ lb. or less (usually 6 inches or more in length)	
a. Processors (also include fish processed on the operation) ...	640	%		
b. Live haulers/brokers	630	%	631	%
c. Retail outlets (restaurants, grocery stores, etc.).....	642	%		
d. Direct to consumers (farmers market, on-farm fee fishing)...	638	%		
e. Recreational stocking (private lakes and ponds).....	632	%	633	%
f. Wholesale to other producers (to stock commercial and fee fishing operations)	634	%	635	%
g. Government agencies	636	%	637	%
h. Exports	646	%	647	%
i. Other, specify: <input type="text" value="8015"/>	644	%	645	%
Total		100%		100%

270	Office Use Only Acres	760	Office Use Only Inventory	650	Office Use Only Sales
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

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SECTION 5: TROUT

1. Did this operation **sell** any trout or trout eggs in 2018? (Trout produced and not sold but distributed for restoration, conservation or recreation purposes should be reported in Section 12, page 15).

³⁷⁵ 1 **Yes** - Continue

3 **No** - Go to Section 6, page 8

2. What were the total trout sales of fish and eggs produced on this operation during 2018? Value of sales should reflect the price received at the farm gate, excluding packaging and distribution costs. If this operation has its own processing plant, the reported sales should be the value going into the plant.

FISH SIZE:	Total Number Sold	Total Pounds Live Weight Sold	Total Sales** (Dollars)
	067	068	069
a. Broodfish (fish being used or to be used for breeding).....			\$.00
	022	023	024
b. 12 inches or longer			\$.00
	025	026	027
c. 6 inches to less than 12 inches long			\$.00
	057	058	059
d. 1 inch to less than 6 inches long			\$.00
	028		029
e. Trout Eggs (fertilized)			\$.00

** Live weight price – exclude cleaning charges.

3. In 2018, what percent of the total trout value of sales reported in Items 2a - 2e was sold directly to each of the outlets listed below? Exclude fish bought for immediate resale or fish brokered by this operation.

POINT OF FIRST SALE OUTLET	PERCENT OF TOTAL VALUE OF SALES			
	12 inches or longer		6 to less than 12 inches	
a. Processors (also include fish processed on the operation) ...	039	%	061	%
b. Live haulers/brokers	030	%	031	%
c. Retail outlets (restaurants, grocery stores, etc.).....	040	%	062	%
d. Direct to consumers (farmers market, on-farm fee fishing)...	019	%	063	%
e. Recreational stocking (private lakes and ponds).....	032	%	033	%
f. Wholesale to other producers (to stock commercial and fee fishing operations)	034	%	035	%
g. Government agencies	036	%	037	%
h. Exports	070	%	071	%
i. Other, specify: ⁸⁰¹⁷ <input style="width: 200px;" type="text"/> ..	041	%	042	%
Total	100%		100%	

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4. What were the total **number** and **live weight pounds** of trout lost during 2018 for each of the following reasons?

- INCLUDE: • Only losses intended for sale
 • All lengths and sizes

CAUSE OF LOSS	INTENDED FOR SALE	
	Number	Pounds
a. Disease	045	046
b. Theft or vandalism	047	048
c. Chemical contamination	049	050
d. Drought	051	052
e. Flood	053	054
f. Predators (animals, birds, etc.)	081	082
g. Other, specify: <input type="text"/> ..	055	056

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Office Use Only

Trout distributed should be reported in Section 12, page 15.

SECTION 6: FOOD AND / OR SPORT FISH

1. Other than catfish or trout, did this operation **sell** any food fish or sport fish, including carp used as biological control agents, in 2018? (Food and/or sport fish produced and **not sold but distributed** for restoration, conservation or recreation purposes should be reported in Section 12, page 15).

378 1 **Yes** - Continue

3 **No** - Go to Section 7, page 9

2. Include the number sold, total pounds and total sales for each size category. **Use a separate line for each species and size category sold.** Value of sales should reflect the price received at the farm gate, excluding packaging and distribution costs. If this operation has its own processing plant, the reported sales should be the value going into the plant. For eggs report total number sold and total sales. Report roe caviar in Section 10.

PLEASE COMPLETE ALL COLUMNS

1		2		3	4	5
Species and Code From table at the bottom of this page		Size Category 1 - Foodsize or market size 2 - Stockers 3 - Fingerlings or Fry 4 - Broodfish 5 - Eggs complete columns 3 and 5		Total Number of Fish or Eggs Sold	Total Pounds Live Weight Sold	Total Sales
Species produced and sold	Code	Enter Code		Number	Pounds	Dollars
Example: Tilapia	26	1		12,000	18,000	\$ 45,000 .00
Example: Sunfish	24	3		450,000	9,000	\$ 70,000 .00
	300	301		302	303	304
						\$.00
	305	306		307	308	309
						\$.00
	310	311		312	313	314
						\$.00
	315	316		317	318	319
						\$.00
	320	321		322	323	324
						\$.00
	325	326		327	328	329
						\$.00
	330	331		332	333	334
						\$.00
	335	336		337	338	339
						\$.00
	345	346		347	348	349
						\$.00

If more space is needed, use a separate sheet of paper.

Name	Code	Name	Code	Name	Code	Name	Code
Barramundi	1	Carp, silver.	9	Pangasius/Swai	18	Sturgeon.	25
Bass, hybrid striped.	2	Carp, other.	10	Perch, yellow.	19	Tilapia	26
Bass, largemouth	3	Cobia	11	Red drum	20	Walleye	27
Bass, smallmouth	4	Cod, Atlantic	12	Salmon, Atlantic.	21	Yellow croaker.	28
Carp, bighead	5	Cod, black.	13	Salmon, Pacific.	22	Other food fish	
Carp, black	6	Crappie (sac- au-lait)	14	Seriola	23	Enter name in first column.	29
Carp, common	7	Flounder.	15	Sunfish (Include bluegill, coppersnout, bream, redear/shellcrackers, etc.)	24	Other sport fish	
Carp, grass.	8	Muskie	16			Enter name in first column.	30
		Northern pike	17				

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SECTION 7: BAITFISH

1. Did this operation **sell** any baitfish, including crawfish sold for bait, in 2018? Report crawfish for food in Section 8. (Baitfish produced and **not sold but distributed** for restoration, conservation or recreation purposes should be reported in Section 12, page 15).

379

1 **Yes** - Continue

3 **No** - Go to Section 8, page 10

Acres	Tenths
400	

2. How many surface acres of water were used to produce baitfish in 2018? 400

3. Report baitfish sales below. Value of sales should reflect the price received at the farm gate, excluding packaging and distribution costs. Exclude fish bought for immediate resale or fish brokered by this operation.

Report baitfish sold by the:

- Pound or Number of fish in TABLE 3a. If the total number of fish sold is not known, report the approximate number of fish per pound.
- Gallon in TABLE 3b. If pounds and number of fish are not known, approximate. Report crawfish sold for bait in sacks.

TABLE 3a: Baitfish Sold by the Pound or Number of Fish

Species Raised and Sold	Pounds Live Weight Sold		Number of Fish			Total Sales (Dollars)	
			Total Number of Fish Sold	OR	Number of Fish per Pound		
Example: Fathead minnows	20			OR	250	\$ 225 .00	
Fathead minnows	402		401	OR	403	404	\$.00
Goldfish - feeder and bait	410		409	OR	411	412	\$.00
Golden shiners	418		417	OR	419	420	\$.00
Other shiners (Emerald, silver, etc.)	426		425	OR	427	428	\$.00
Suckers	434		433	OR	435	436	\$.00
Crawfish - bait (report crawfish for food in Section 8)	442		441	OR	443	444	\$.00
Other, ⁸⁰²⁹ specify:	450		449	OR	451	452	\$.00

**TABLE 3b: Baitfish Sold by the Gallon
PLEASE COMPLETE ALL COLUMNS**

Species Raised and Sold	Total Number of Gallons Sold	Pounds Per Gallon Sold	Tenths	Number of Fish per Gallon	Total Sales (Dollars)
Example: Golden shiners	150	8	5	1,500	\$ 6,000 .00
Fathead minnows	405	406		465	466 \$.00
Goldfish - feeder and bait	413	414		415	416 \$.00
Golden shiners	421	422		423	424 \$.00
Other shiners (Emerald, silver, etc.)	429	430		431	432 \$.00
Suckers	437	438		439	440 \$.00
Crawfish - bait in sacks (report crawfish for food in Section 8)	445	446		447	448 \$.00
Other, ⁸⁰³¹ specify:	453	454		455	456 \$.00

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SECTION 8: CRUSTACEANS AND MOLLUSKS
 (Includes clams, crawfish, oysters, shrimp, soft-shell crabs, etc.)

1. Did this operation **sell** any crustaceans or mollusks in 2018? (Crustaceans and mollusks produced and **not sold but distributed** for restoration, conservation or recreation purposes should be reported in Section 12, page 15).

380 1 **Yes** - Continue

3 **No** - Go to Section 9, page 12

2. Report each species and size category on a separate line. Value of sales should reflect the price received at the farm gate, excluding packaging and distribution costs. If this operation has its own processing plant, the reported sales should be the value going into the plant. Report crawfish for bait in Section 7.

CONTINUE ACROSS EACH LINE FROM PAGE 10 TO PAGE 11. ANSWER ALL 9 COLUMNS FOR EACH LINE. →

1		2		3		4		5	
Species and Code From the table at the bottom of this page		Size Category 1 - Food or market size 2 - Broodstock 3 - Larvae 4 - Seed - Complete only columns 4, 5, 9 5 - Other, specify: 8114		Number of Units Sold		Unit Sold			
						1 - Number 2 - Pound - in shell 3 - Pound - out of shell 4 - Dozen 5 - Bushel 6 - Sack/bag 7 - Gallon 8 - Barrel 9 - Other, specify: 8115			
LINE	Species produced and sold	Code	Enter Code	Number	Enter Code				
	Example: Crawfish	7	1	100,000	2	→			
	Example: Pacific oyster seed	13	4	8,000,000	1	→			
	Example: Eastern oysters	12	1	150	4	→			
01		881	882	883	884	→			
02		889	890	891	892	→			
03		897	898	899	900	→			
04		905	906	907	908	→			
05		913	914	915	916	→			
06		021	922	923	924	→			
07		929	930	931	932	→			
08		937	938	939	940	→			
09		945	946	947	948	→			
10		954	955	956	957	→			
11		962	963	964	965	→			
12		970	971	972	973	→			

Name	Code	Name	Code	Name	Code
Abalone	1	Crawfish for food - report		Oysters, Eastern	12
Clams, hard	2	crawfish for bait in Section 7	7	Oysters, Pacific.....	13
Clams, Manila	3	Lobster	8	Oysters, other.	
Clams, Geoduck.....	4	Mussels	9	Enter name in first column.....	14
Clams, other.		Prawns, fresh water	10	Other crustaceans.	
Enter name in first column	5	Shrimp, salt water	11	Enter name in first column.....	15
Crabs, soft-shell	6			Other mollusks.	
				Enter name in first column.....	16

SECTION 8, CRUSTACEANS AND MOLLUSKS, CONTINUES ON THIS PAGE.

		6			7		8		9		
		Weight of product sold If unit code in column 5=2 or 3, skip columns 6 and 7						Average Number of crustaceans or mollusks per unit sold If unit sold is number (column 5=1), skip this column		Total Sales	
		Number of pounds per unit sold		OR	Total pounds Sold						
LINE		Pounds	Tenths		Pounds		Number		Dollars		
				OR			20		\$	50,000 .00	
				OR					\$	50,000 .00	
		5	5	OR			120		\$	9,000 .00	
01	886			OR	885		887		888	\$.00	
02	894			OR	893		895		896	\$.00	
03	902			OR	901		903		904	\$.00	
04	910			OR	909		911		912	\$.00	
05	918			OR	917		919		920	\$.00	
06	926			OR	925		927		928	\$.00	
07	934			OR	933		935		936	\$.00	
08	942			OR	941		943		944	\$.00	
09	951			OR	949		952		953	\$.00	
10	959			OR	958		960		961	\$.00	
11	966			OR	967		968		969	\$.00	
12	974			OR	975		976		977	\$.00	

21208111

SECTION 9: ORNAMENTAL FISH

1. Did this operation **sell** any ornamental fish in 2018? (Ornamental fish produced and **not sold but distributed** for restoration, conservation or recreation purposes should be reported in Section 12, page 15).

381 1 **Yes** - Continue

3 **No** - Go to Section 10, page 13

2. Report each species on a separate line. Value of sales should reflect the price received at the farm gate, excluding packaging and distribution costs. Exclude fish bought for immediate resale or fish brokered by this operation.

1		2		3		4		5	
Species and Code From table at the bottom of this page		Number of units produced and sold		Unit Sold 1 - Number of fish 2 - Pounds 3 - Boxes 4 - Bags 5 - Other, specify: 8116 <input type="text"/>		Average number of fish per unit Skip this column if unit sold is number of fish (column 3=1)		Total Sales	
Species produced and sold	Code	Number		Enter code		Number		Dollars	
Example: Koi	2	12,000		1				\$	24,000 .00
Example: Ornamental, Freshwater live bearers	3	200		3		250		\$	6,000 .00
	651	652		653		654		655	
								\$	.00
	656	657		658		659		660	
								\$	.00
	661	662		663		664		665	
								\$	.00
	666	667		668		669		670	
								\$	.00
	671	672		673		674		675	
								\$	.00
	676	677		678		679		680	
								\$	.00
	681	682		683		684		685	
								\$	.00
	686	687		688		689		690	
								\$	.00
	691	692		693		694		695	
								\$	.00
	696	697		698		699		700	
								\$	.00
	701	702		703		704		705	
								\$	.00

Name	Code	Name	Code	Name	Code
Goldfish.....	1	Ornamental fish -		Other ornamentals - include	
Koi.....	2	Freshwater egg layers.....	4	seahorses, invertebrates,	
Ornamental fish -		Ornamental fish - Saltwater.....	5	etc. - Enter name above.....	6
Freshwater live bearers	3				

21208129

SECTION 10: MISCELLANEOUS AQUACULTURE PRODUCTS

1. Did this operation **sell** any other aquaculture products in 2018? (Aquaculture products produced and **not sold but distributed** for restoration, conservation, or recreation purposes should be reported in Section 12, page 15.)

382 ¹ **Yes** - Continue

³ **No** - Go to Section 11, page 14

2. Include only other aquaculture products. Include all size categories within each species. Value of sales should reflect the price received at the farm gate, excluding packaging and distribution costs. If this operation has its own processing plant, the reported sales should be the value going into the plant.

PLEASE COMPLETE ALL COLUMNS

Species Produced and Sold	Total Number Sold	Total Pounds Sold	Total Sales (Dollars)	
Algae: Microalgae.....			470	\$.00
Sea Vegetables (seaweed, ogo)		471	472	\$.00
Alligators: Whole	743	744	745	\$.00
Meat		747	748	\$.00
Hides (report in feet)	749		751	\$.00
Caviar.....		753	754	\$.00
Eels	755	756	757	\$.00
Frogs	758	759	761	\$.00
Sea Urchins	762	763	764	\$.00
Snails	765	766	767	\$.00
Tadpoles	768	769	770	\$.00
Turtles: Whole	771	774	772	\$.00
Eggs	773		775	\$.00
Live rock: ⁸⁰⁸⁵ specify unit	776	777	778	\$.00
⁸⁰⁸⁶ Other, specify:	779	780	781	\$.00
⁸⁰⁸⁷ Other, specify:	782	783	784	\$.00
⁸⁰⁸⁸ Other, specify:	085	786	787	\$.00
⁸⁰⁸⁹ Other, specify:	791	792	793	\$.00
⁸⁰⁹⁰ Other, specify:	794	795	796	\$.00
⁸⁰⁹¹ Other, specify:	797	798	799	\$.00

21208137

SECTION 11: SALES OUTLET BY SPECIES (Exclude catfish and trout)

1. Did this operation **sell** any of their aquaculture products in 2018?

- EXCLUDE: • Catfish and trout.
 • Aquaculture products brokered for immediate resale or distribution.

³⁹⁵ 1 **Yes** - Continue

3 **No** - Go to Section 12, page 15

2. In 2018, what percent of this operation's total value of aquaculture sales was sold directly to the following outlets for each species category?

Point of first sale outlet	Food fish Exclude Catfish and Trout		Sport or Game fish		Baitfish		Ornamental Fish		Crustaceans		Mollusks		Other Aquaculture	
Processors (include aquaculture products processed on the operation) . .	801		831						861		851		871	
		%		%						%		%		%
Live haulers/brokers	804		834		814		824		864		854		874	
		%		%		%		%		%		%		%
Retail outlets (restaurants, grocery stores, etc.)	802		832		812		822		862		852		872	
		%		%		%		%		%		%		%
Direct to consumers (farmers market, on-farm fee fishing)	803		833		813		823		863		853		873	
		%		%		%		%		%		%		%
Recreational stocking (private lakes and ponds)	805		835		815		825		865		855		875	
		%		%		%		%		%		%		%
Wholesale to other producers (to stock commercial and fee fishing operations)	806		836		816		826		866		856		876	
		%		%		%		%		%		%		%
Government agencies	807		837		817		827		867		857		877	
		%		%		%		%		%		%		%
Exports	809		839		819		829		869		859		879	
		%		%		%		%		%		%		%
Other, specify: 8092	808		838		818		828		868		858		878	
		%		%		%		%		%		%		%
Total	100%		100%		100%		100%		100%		100%		100%	

21208145

SECTION 12: AQUACULTURE DISTRIBUTED (Not sold)

1. Did this operation **distribute** aquaculture products for **restoration, conservation, enhancement, or recreational purposes** during 2018? Exclude aquaculture reported in previous sections.

383

1 **Yes** - Continue

3 **No** - Go to Section 13, page 16

2. What were the total amounts produced and distributed by this operation, by species category, in 2018? Include all size categories within each species. For fish, crustaceans or mollusks distributed, report both number and pounds. For eggs or seed, report only the number distributed. Write in species not listed.

Species	Number distributed		Pounds distributed		Number of eggs or seed stock distributed		Estimated Total Value of Product Distributed	
Bass, striped	509		510		511		521	\$.00
Bass, largemouth	551		552		553		522	\$.00
Catfish	501		502		503		523	\$.00
Fathead minnows	554		555		556		581	\$.00
Northern pike	557		558		559		582	\$.00
Perch	560		561		562		583	\$.00
Salmon	505		506		507		584	\$.00
Shad	563		564		565		585	\$.00
Sunfish ¹	566		567		568		591	\$.00
Trout - 12 inches or longer . . .	201		202				203	\$.00
Trout - 6 to less than 12 inches long	204		205				206	\$.00
Trout - 1 to less than 6 inches long	207		208				209	\$.00
Trout Eggs					210		212	\$.00
Walleye	517		518		519		593	\$.00
Clams	525		526		527		595	\$.00
Mussels	529		530		531		601	\$.00
Oysters	533		534		535		602	\$.00
Alligators	572		573		574		603	\$.00
Crawfish	575		576		577		604	\$.00
Turtles	578		579		580		605	\$.00
Other, ⁸⁰⁹³ specify:	537		538		539		606	\$.00
Other, ⁸⁰⁹⁴ specify:	541		542		543		607	\$.00
Other, ⁸⁰⁹⁵ specify:	544		545		546		608	\$.00

¹ Sunfish includes bluegill, copperside, bream, redear/shellcrackers, etc.

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SECTION 13: OPERATION

1. Did this operation grow and sell aquatic plants in 2018?

384 1 **Yes**

3 **No**

2. In the future, does this operation intend to produce aquaculture products?

386 1 **Yes**

3 **No**

3. It is important that we do not duplicate data. Is it possible the information on this form would be reported by another operation or under another name?

387 1 **Yes - List name here:**

3 **No - Continue**

4. Do you make any day-to-day decisions for another aquaculture operation?

388 1 **Yes - List name here:**

3 **No - Continue**

5. Has this operation (name on address label) been sold or turned over to someone else?

389 1 **Yes - List name here:**

3 **No - Continue**

SECTION 14: CONCLUSION

COMMENTS:

1091

Respondent Name:

1092

Area Code and Phone Number:

9911

Date: (MM-DD-YY)

9910

E-mail

1095

This completes the questionnaire. **Thank you for your cooperation.**
The complete report will be available on the Internet at <http://www.nass.usda.gov> in fall of 2019.

OFFICE USE ONLY

Response	Respondent	Mode	R Unit	Enum.	Eval.	Change	Office Use for POID					
1-Comp 2-R 3-Inac 4-Office Hold 5-R-Est 6-Inac-Est 7-Off Hold-Est 8-Known Zero	9901 1-Op/Mgr 2-Sp 3-Acct/Bkpr 4-Partner 9-Oth	9902 1-Mail 2-Tel 3-Face-to-Face 4-CATI 5-Web 6-e-mail 7-Fax 8-CAPI 19-Other	9903	9921	9998	9900	9985	9989 - - - - -				
							Optional Use					
							9907	9908	9906	9916		

S / E Name

21208160



INSTRUCTION SHEET 2018 CENSUS OF AQUACULTURE



Completing the 2018 Census of Aquaculture Census form

Make all entries clear and easy to read. Use a **blue** or **black** ball point pen.

General

Refer to the instructions below for completing your 2018 Census of Aquaculture form. The enclosed census form was mailed to aquaculture producers throughout the United States. Because it is meant for use in all parts of the country, it may contain items and inquiries which do not apply to your operation. In this case, mark the "No" or "None" box and continue to the next item or section. If you did not produce aquaculture products of any kind in 2018, please see the instructions in Section 1 on this page.

Partial Year Operation

If you stopped producing aquaculture products at any time during 2018, complete the census form for the portion of 2018 that you did produce. Write "Stopped producing in 2018" and the date you stopped producing below the address area. Mail the completed census form in the return envelope.

If You Receive More Than One Census Form for the Same Operation

Return any duplicate census forms in the same envelope with your completed census form(s). In the address area of the census form(s) you complete, write the 11-digit ID number from the label of the extra census form(s).

Partnership Operations

Complete only ONE census form for a partnership operation and include all partners' shares on the same census form. If two or more census forms are received for the partnership, see instructions above for "If You Receive More Than One Census Form for the Same Operation".

How to Enter Your Responses on the Census Form

Please enter your answers in the proper spaces and in the units requested, i.e., tenth of acres, gallons per minute, dollars, etc. Mark all applicable Yes/No boxes with an "X".

Instructions by Section

Section 1 – Aquaculture Production Screening

This section determines whether or not your operation is within the scope of this census.

Item 1 – Report whether you produced any aquaculture or aquaculture products of any kind in 2018. Aquaculture products include fish of any kind, shellfish, mollusks, crustaceans, egg production, food or sport fish, baitfish, ornamentals, catfish, crawfish, koi, minnows, oysters, perch, soft-shell crabs, trout, turtles, algae, alligators, live rock, and any other aquaculture products. If you did not produce any aquaculture products of any kind in 2018, please mark "No" and continue to Section 13 on the back page of the form and complete the remainder of the census form.

Section 2 – Sources of Water

This section determines sources of water that this operation used for its aquaculture production in 2018.

Section 3 – Methods of Production

Items 1 and 2 – Report the freshwater and saltwater acres or surface area owned, rented, or used for aquaculture production in 2018 by the respondent, spouse, partnership, corporation, or organization identified on the questionnaire. All responses in this section should be rounded to tenths of acres **OR** reported in square feet of surface area.

Items 1a and 2a – Report the freshwater and saltwater acres or surface area used for aquaculture production in 2018 that was rented or leased **FROM** others on shares, cash rent, used rent-free, in exchange for services, for taxes, etc., regardless of location, even if used for part of the year. Include leased from the State. All responses should be rounded to tenths of acres **OR** reported in square feet of surface area.

Freshwater is water with less than 0.5 parts per thousand dissolved salts. May be found in lakes,

rivers, bodies of groundwater, or obtained from wells or surface runoff.

Saltwater is water from a sea or ocean, including brackish water. In addition, it is freshwater converted to saltwater by adding chemicals.

Item 3a (i) – Ponds. A body of standing water, either natural or artificial, that is usually smaller than a lake.

Item 3b – Cropland used for crawfish. Include both permanent and rotational.

Item 3c – Flow through raceways. A confined area, usually long and narrow, in which water enters one end and exits the other. Raceways can either be a natural flow system, using the natural flow of a river or stream, or a closed system where the water from the raceway flows through a series of ponds and then is pumped into a header pond that flows back into the raceway. The water area for a closed system would be the surface acres of the raceway and of all associated ponds. The area for a natural flow system would be the surface acres that the raceway occupies.

Cubic feet to gallons conversion. U.S. gallon = cubic feet x 7.5.

Item 3d (i) – Recirculating systems. Metal, plastic, or fiberglass tanks normally above ground and usually under cover used for the rearing of aquatic organisms where 90 percent or more of the system water is recycled. Some tanks may consist of frames with liners.

Item 3e (i) – Non-recirculating systems. Metal, plastic, or fiberglass tanks normally above ground and usually under cover used for the rearing of aquatic organisms where 89 percent or less of the system water is recycled. Some tanks may consist of frames with liners.

Item 3f (i) – Aquaponics. A system that combines aquaculture with hydroponics (cultivating plants in water) in a symbiotic environment.

Item 3g (i) – Report the number of **cages and pens** used to produce Aquaculture products. Exclude traps (used to capture aquatic creatures).

Cages. The sides of the cages are rigid and are made of materials like plastic or plastic-covered wire.

Pens are large enclosures usually placed in rivers or ocean bays. Pens are usually floated in the water, but may also be secured to the bottom. Pens are supported in some way, with the sides being flexible.

Item 3h – Mollusks on bottom. Growing on the bottom.

Item 3i – Mollusks off bottom. Growing without touching the bottom.

Item 3j – Other method. Other methods not listed.

Section 4 – Catfish

Item 5 – The hybrid catfish is a combination of a female channel catfish and a male blue catfish.

Section 5 – Trout

Item 4a - Disease includes losses from both parasitic and bacterial caused sickness.

Item 4b - Theft or vandalism includes the unauthorized removal of fish and/or the destruction of property causing a loss of fish by intentional acts of persons known or unknown.

Item 4c - Chemical contamination includes losses from pesticide or herbicide poisoning.

Item 4d - Droughts include losses from lack of water causing oxygen depletion.

Item 4e - Flood include losses from too much water washing the fish away.

Item 4f - Predators include losses from mink, otters, birds, and other animals.

Item 4g - Other include losses from any source not fitting the pre-listed causes. Please note the cause in comments.

Section 6 – Food and/or Sport Fish

Item 1 – This question determines whether you produced and sold **Food and/or Sport Fish**.

Item 2 – Report the number sold, total pounds and total sales for each type and size of food and/or sport fish produced.

Column 1 – Record the type of food or sport fish produced and sold.

Column 2 – Record the size category code being reported. **Foodsize** includes grown aquaculture products ready for market. **Stockers** are large enough to be placed in the final grow-out pond, net, pen, or tank. **Fingerlings** are young fish, larger than a fry but not an adult. **Fry** are very young, post-larval fish. **Broodstock** are fish kept for egg production, including males. **Eggs** are embryos surrounded by nutrient material and a protective covering.

Column 3 – Report the total number of fish or eggs sold.

Column 4 – Report total pounds of fish sold. Complete for all size categories **except** eggs.

Column 5 – Total revenue received from the sale of the food and sport fish produced.

Section 7 - Baitfish

Item 1 – This section determines whether you produced and sold **Baitfish**. Crawfish for food is reported in section 8.

Baitfish are fish used for bait, such as crawfish, fathead minnows, golden shiners, emerald or silver shiners, feeder and bait goldfish, suckers, chubs, leeches, and other types of minnows.

Table 3a – For Baitfish sold by the pound or number of fish, report the Total pounds live weight sold, and Total Sales. Total sales should reflect the price received at the farm gate, excluding packaging and distribution costs.

Report either the total number of fish sold or number of fish per pound.

Table 3b - For Baitfish sold by the gallon, report the total number of gallons sold, Pounds per gallon, number of fish per gallon and total sales.

Section 8 – Crustaceans and Mollusks (Includes clams, crawfish, oysters, shrimp, soft-shell crabs, etc.)

Item 1 – This section determines whether you produced **Crustaceans and/or Mollusks**, including crawfish for food. Crawfish for bait is reported in section 8.

Crustaceans are invertebrate animals with a hard shelled segmented body, and jointed legs. Examples include crawfish, lobsters, prawns, shrimp, and soft shell crabs.

Mollusks are marine invertebrates (no backbone). In general, mollusks have three body regions: a head, a visceral mass, and a “foot.” Mollusks usually have a shell, although some do not. This category includes abalone, clams, mussels, oysters, scallops and scallop seed.

Section 9 - Ornamental Fish

Item 1 – This section determines whether you produced and sold **Ornamental Fish**.

Ornamental fish are raised for water gardens, aquariums, etc. Examples include koi, ornamental goldfish, tropical fish, and ornamental catfish.

Item 2 – Report each species and type of unit sold on separate lines. Types of units sold include number of fish, pounds, boxes, bags, etc. Report the number of units produced and sold in column 2.

Column 5 -- Report total sales in dollars. Total sales should reflect the price received at the farm gate, excluding packaging and distribution costs

Section 10 – Miscellaneous Aquaculture

Item 1 – This section determines whether you produced and sold **Miscellaneous Aquaculture**. This includes Algae, alligators, eels, frogs, sea urchins, snails, tadpoles and turtles. Do not include wild caught or harvested items.

Item 2 – Report total number and weight sold of all sizes within each species. Total sales should reflect the price received at the farm gate, excluding packaging and distribution costs.

Section 11 – Sales Outlet by Species (Exclude catfish and trout)

Item 1 – Report where the operation sold its production directly. The percentage for each category of product must equal 100 percent. Catfish and trout are reported in sections 4 or 5.

Processors are companies that convert live fish to a product ready to cook and distribute, such as fish fillets.

Live haulers/brokers are individuals or companies that purchase aquaculture products from a producer for immediate resale. They may or may not take possession of the product. Live haulers transport aquaculture products in oxygenated tank trucks to other outlets, including processing plants, pay lakes, recreational lakes, and retail outlets.

Retail outlets are individuals, grocers, restaurants, or companies who buy aquaculture products to resell to consumers.

Direct to consumers are sales made directly to individuals for home consumption or placement in their ponds for personal use. This includes places that raise and market fish through their own fee fishing operation.

Recreational stocking includes aquaculture sold to individuals or private enterprises for the sole purpose of stocking recreational waters.

- Aquaculture sold to Federal State or local government agencies for stocking public waters should be reported as sold to “Government Agencies.”
- Aquaculture that are sold for the purpose of stocking another producer’s commercial ponds should be reported as sold “Wholesale to Other Producers.”
- Fish sold **by** fee-fishing or U-fish operations should be listed as being sold “Direct to Consumers.”

Wholesale to other producers includes aquaculture sold to other farmers who raise for future sale.

Government agencies includes sales to Federal, State, or local government hatcheries or other groups involved in purchasing aquaculture to stock

Federal, publicly owned, or regulated waters and recreational areas.

Exports includes aquaculture moved outside the United States borders.

Other includes outlets not meeting the above definitions. Export sales should be listed here if not going directly out of the United States. If in doubt as to where to put sales, list them here with notes explaining the situation.

Section 12 - Aquaculture Produced and Distributed (not sold) for Restoration, Enhancement, Conservation, or Recreational Purposes

Complete this section if the operation distributed any aquaculture products for restoration, enhancement, conservation or recreational purposes in 2018. If the operation did not distribute any aquaculture products, skip to Section 13.

Fish and eggs distributed without charge should be entered here. Fish and eggs sold should be excluded from this table and reported as sales in the appropriate section.

Section 13 – Operation

Item 3 – If this operation has additional names, or connections to additional operations, record the name and phone number here.

Item 4 – This question determines if the operator made day to day decisions for multiple operations. If you are involved with any other aquaculture operation, list them here.

Item 5 – If this operation was sold or turned over to someone else, record the new operators name and phone number here.

Section 14 – Conclusion

Print your name, phone number, e-mail address, and the date you completed the questionnaire.