

Atlantic Sharpnose Shark Reproductive Biology Dataset Documentation

This document is meant to serve as a reference for the file structure of the Atlantic sharpnose shark reproductive survey. Data included is limited to the United States waters of the central Gulf of Mexico, collected during May of 2011. This dataset is built from data obtained by Eric Hoffmayer (NMFS).

Questions concerning the original data, sampling design and its use may be directed to:

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Datasets

There are three sheets in the excel file 'Atlantic Sharpnose Reproductive Data': STATION, CATCH and REPRO. The STATION file contains information on where and when the operations (stations) took place. The CATCH file contains information about individual lengths collected for each taxon at each station. The REPRO file contains information on reproductive measurements of the female sharks retained on the survey.

Dataset Linkage

The individual files can be linked by VESSEL CRUISE STATION Variables contained within each dataset. The combination of these three fields will define a unique row of data in the STATION dataset.

Notes

This dataset was compiled by:

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STATION Dataset File Structure

Variable – dataset variable name

Type – character (Char) or numeric (Num) variable

Len – variable length

#	Variable	Type	Len
<i>1</i>	VESSEL	Num	2
<i>2</i>	CRUISE	Num	4
<i>3</i>	STATION	Num	2
<i>4</i>	DATE	Num	8
<i>5</i>	LATITUDE	Num	5
<i>6</i>	LONGITUDE	Num	5
<i>7</i>	TIME	Num	4
<i>8</i>	1 st HF LATITUDE	Num	5
<i>9</i>	1 st HF LONGITUDE	Num	5
<i>10</i>	1 st HF TIME	Num	4
<i>11</i>	1 st HF DEPTH	Num	3
<i>12</i>	2 nd HF LATITUDE	Num	5
<i>13</i>	2 nd HF LONGITUDE	Num	5
<i>14</i>	2 nd HF TIME	Num	4
<i>15</i>	2 nd HF DEPTH	Num	3

Explanation of STATION variables

VESSEL

The numeric vessel code refers to the NOAA Ship Caretta, which was used to collect the data. Used to link the datasets.

CRUISE

Cruise number assigned to the particular survey. Used to link the datasets.

STATION

Station number associated with the cruise number. Used to link the datasets.

DATE

Date when the bottom longline was deployed.

LATITUDE

Decimal degrees of latitude for the position of the mid-point of the set.

LONGITUDE

Decimal degrees of longitude for the position of the mid-point of the set.

TIME

The time of day when the bottom longline was set.

1st HF LATITUDE

Decimal degrees of latitude for the position of the 1st High Flier.

1st HF LONGITUDE

Decimal degrees of longitude for the position of the 1st High Flier.

1st HF TIME

Time of day when the 1st High Flier was set.

1st HF DEPTH

The depth of water in meters where the 1st High Flier was set.

2nd HF LATITUDE

Decimal degrees of latitude for the position of the 2nd High Flier.

2nd HF LONGITUDE

Decimal degrees of longitude for the position of the 2nd High Flier.

2nd HF TIME

Time of day when the 2nd High Flier was set.

2nd HF DEPTH

The depth of water in meters where the 2nd High Flier was set.

CATCH Dataset File Structure

Variable – dataset variable name

Type – character (Char) or numeric (Num) variable

Len – variable length

	<i>Variable</i>	<i>Type</i>	<i>Len</i>
1	VESSEL	Num	2
2	CRUISE	Num	4
3	STATION	Num	2
4	SPECIES	Char	26
5	SAMPLE ID	Char	6
6	SEX	Char	1
7	PCL	Num	3
8	FL	Num	3
9	STL	Num	4
10	WGT	Num	3

Explanation of CATCH variables

VESSEL

Numeric code assigned to the NOAA Ship Caretta used to collect the data. Used to link the datasets.

CRUISE

Cruise number assigned to the particular survey. Used to link the datasets.

STATION

Station number associated with the cruise number. Used to link the datasets.

SPECIES

Scientific name of the species sampled.

SAMPLE ID

Alpha-numeric ID assigned to the specimens that were retained for sampling.

SEX

The sex of the specimens collected on the longline. M = male, F = female.

PCL

Precaudal length in cm.

FL

Fork length in cm.

STL

Stretch Total Length in cm.

WGT

Specimen weight in kg.

REPRO Dataset File Structure

Variable – dataset variable name

Type – character (Char) or numeric (Num) variable

Len – variable length

#	Variable	Type	Len
<i>1</i>	VESSEL	Num	2
<i>2</i>	CRUISE	Num	4
<i>3</i>	STATION	Num	2
<i>4</i>	SAMPLE ID	Char	5
<i>5</i>	SPECIES	Char	26
<i>6</i>	DATE	Num	8
<i>7</i>	PCL	Num	3
<i>8</i>	FL	Num	3
<i>9</i>	STL	Num	4
<i>10</i>	WGT	Num	3
<i>11</i>	MATURITY	Char	1
<i>12</i>	RT UTERUS WIDTH	Num	4
<i>13</i>	RT OVIDUCAL WIDTH	Num	3
<i>14</i>	# VIT	Num	1
<i>15</i>	VIT WIDTH	Num	3
<i>16</i>	GRAVID	Char	1
<i>17</i>	EMBRYOS	Num	1

Explanation of REPRO variables

VESSEL

Numeric code assigned to the NOAA Ship Caretta used to collect the data. Used to link the datasets.

CRUISE

Cruise number assigned to the particular survey. Used to link the datasets.

STATION

Station number associated with the cruise number. Used to link the datasets.

SAMPLE ID

Alpha-numeric ID assigned to the specimens that were retained for sampling.

SPECIES

Scientific name of the species sampled.

DATE

Date when the specimens were collected.

PCL

Precaudal length in cm.

FL

Fork length in cm.

STL

Stretch Total Length in cm.

WGT

Specimen weight in kg.

MATURITY

Maturity status of the specimen. I = immature, M = Mature.

RT UTERUS WIDTH

Width of the right uterine horn in a non-gravid female shark.

RT OVIDUCAL WIDTH

Width of the right oviducal gland in a female shark.

VIT

The number of vitellogenic follicles in the ovary.

VIT WIDTH

The width of the largest vitellogenic follicles in the ovary.

GRAVID

Whether the female was gravid or not. Y = yes, N = no.

EMBRYOS

The number of embryos within the gravid female.