

Atlantic Sharpnose and Blacknose Shark Reproductive Dataset Documentation

This document serves as a reference for the file structure of the Atlantic sharpnose and blacknose shark reproductive dataset provided from the Congressional Supplemental Sampling Program (CSSP) Survey. Data included is limited to the United States waters of the Gulf of Mexico, collected during the CSSP survey from April to September 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 two sheets in the excel file 'CSSP Shark Reproductive Dataset': FEMALES and MALES. The FEMALES and MALES files contain information on reproductive measurements of the female and male sharks retained on the CSSP survey.

Dataset Linkage

The individual files are not linked in this dataset. Each row within the files represents a different individual shark.

Notes

This dataset was compiled by:

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FEMALES Dataset File Structure

Variable – dataset variable name

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

Len – variable length

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

Explanation of FEMALES variables

VESSEL

Numeric code assigned to each ship used to collect the data.

78 – Beau Rivage

80 – Gulf Search

81 – Black Jack

82 – Simple Man

84 – Daytona

CRUISE

Cruise number assigned to the particular survey.

STATION

Station number associated with the cruise number.

SAMPLE

Sample number associated with the station.

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.

OVARY WGT

Weight of the ovary in grams.

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.

MALES 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	SAMPLE #	Num	2
5	SPECIES	Char	26
6	DATE	Num	8
7	PCL	Num	3
8	FL	Num	3
9	STL	Num	4
10	WGT	Num	3
11	MATURITY	Char	1
12	CLASPER LEN	Num	4
13	RT TESTIS LEN	Num	4
14	RT TESTIS WID	Num	3
15	RT TESTIS WGT	Num	3
16	SEMEN PRESENT	Char	1

Explanation of LENGTH variables

VESSEL

Numeric code assigned to each ship used to collect the data. See above for the vessel codes.

CRUISE

Cruise number assigned to the particular survey.

STATION

Station number associated with the cruise number.

SAMPLE

Sample number associated with the station.

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.

CLASPER LEN

Length of the right clasper from the cloacal apex to the tip of the clasper.

RT TESTIS LEN

The length of the right testis in mm.

RT TESTIS WID

The width of the right testis in mm.

RT TESTIS WGT

The weigh to the right testis in grams.

SEMEN PRESENT

The presence of seminal fluid. Y = yes, N = no.