

MRIP Primer

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What is MRIP?

MRIP stands for Marine Recreation Information Program.

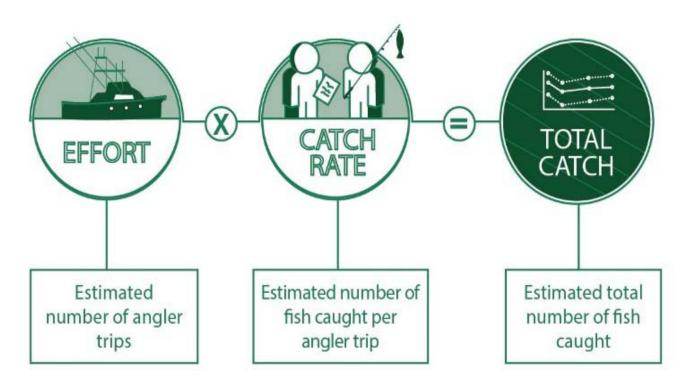
MRIP is a project conducted by the National Marine
Fisheries Service (NOAA Fisheries)
to produce estimates of recreational saltwater fishing
along the Atlantic Coast, Gulf of Mexico, Pacific coast and
in Hawaii.

MRIP is made up of several surveys.



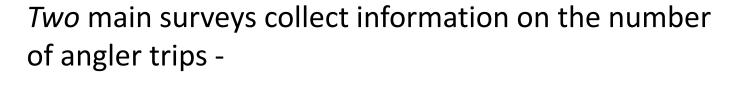
How does it work?

It's a simple idea.....





How does it work?





by private anglers, fishing on boats or from shore The Coastal Household Telephone Survey

by anglers on For-Hire vessels *The For-Hire Survey*



One main survey collects information on catch rate – The Access Point Angler Intercept Survey

Maryland's saltwater recreational fishery



Most Maryland saltwater fishing is in Chesapeake Bay.

There are approximately 2.5 million saltwater angler trips in Maryland each year.

Each year, about 3500 Maryland saltwater anglers are interviewed after a fishing trip.



Maryland's saltwater recreational fishery



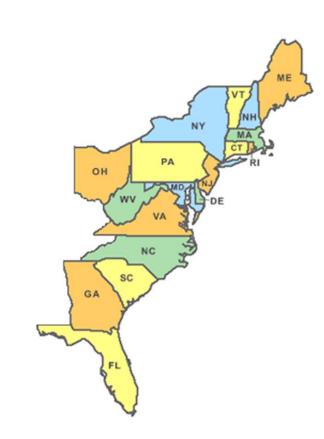
	10-YEAR AVERAGE	10-YEAR AVERAGE
	HARVEST	PRECISION
	(NUMBERS OF FISH)	(< 25 IS GOOD!)
WHITE PERCH	1,701,000	23
SPOT	1,576,000	24
CROAKER	928,000	23
STRIPED BASS	498,000	13
BLUEFISH	320,000	24
SUMMER FLOUNDER	51,000	36
BLACK SEA BASS	49,000	20
TAUTOG	20,000	46



How is MRIP used?

Recreational fishing information is used in 2 ways in management of migratory saltwater species:

- As input for multi-state stock assessments;
- To adjust regional and state quotas.



Who runs MRIP – and why is it changing?



The National Marine Fisheries Service is required by federal law to collect recreational fishing data.

1981: MRFSS - Marine Recreational Fishing Statistical Survey.

2006: The National Research Council's critical review of the MRFSS, recommending substantial changes.

MRIP is "the new MRFSS".





2008-2011: The ESTIMATION PROCEDURES were overhauled.

2012: Revised harvest values were published.





The Access Point Angler Intercept Survey (APAIS) collects data from recreational fishermen returning from trips to calculate **CATCH RATE**.

2013: Survey design changes started.

2016: Maryland took over field

management of the APAIS....





... introducing Angela and Nestina & staff!



2012:

The National Saltwater Angler Registry was implemented to improve sampling for the private angler effort survey.





2013-2015:

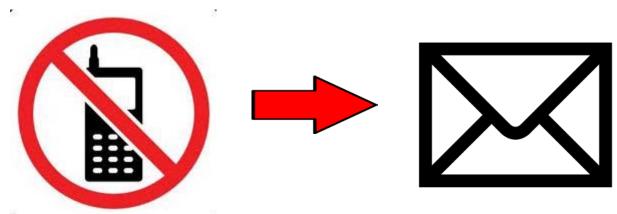
Pilot studies were done to improve the *private angler effort* survey, the Coastal Household Telephone Survey (CHTS).

2016:

MRIP is now *also* conducting a mail survey called the *Fishing Effort Survey (FES).*

2017:

MRIP will drop the CHTS.



What changes are still coming?



2016-2017:

MRIP is studying changes to the For-Hire Survey.

2016-2017:

MRIP is developing a *calibration model* to understand the differences between the estimates produced by the old and new methods.

This should be completed in 2017.

What changes are still coming?



2018:

Once a calibration model has been approved, new catch statistics will be published.

The revised estimates will be incorporated into stock assessments starting in 2018.

If recreational harvest estimates increase, this will likely result in larger estimates of stock sizes.

A VERY COMPLEX PROCESS......

What changes are still coming?



We would like to see more precise estimates for our Coastal fisheries.

We plan to work with NOAA to improve sampling of black sea bass, tautog and summer flounder.





Are MRIP results reliable?

MRIP *generally* provides good annual estimates for species that are caught

often, across a wide area, by many anglers.



It cannot produce good estimates for "rare event" species, for short time periods, for specific fishing modes.





Are MRIP results reliable?

Problems happen when the "odd" MRIP estimates are applied by management without accounting for these limitations!

There are 2 solutions:

Spend *millions* of dollars to sample *lots* more anglers. We don't have that money.

Modify management to account for MRIP's limitations. This is a complex process that will involve *changing federal law*.



More questions?