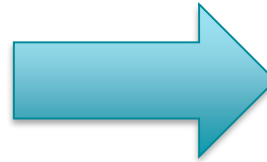


# Marine Recreational Information Program (MRIP)

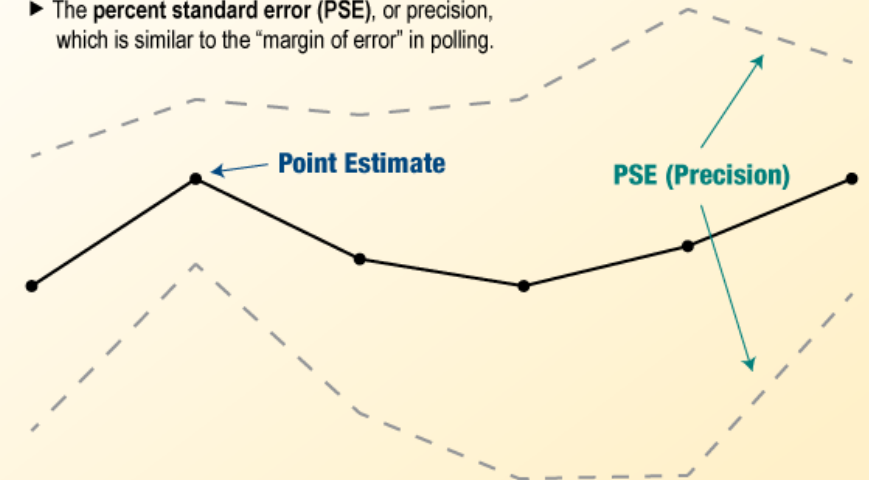
## What you need to know!



### Anatomy of an Estimate

Each estimate of recreational fishing activity we produce consists of two parts:

- ▶ The **point estimate**, which is the estimate of the actual number of trips, fish or pounds we're reporting.
- ▶ The **percent standard error (PSE)**, or precision, which is similar to the "margin of error" in polling.



It's important to consider BOTH parts of our estimates whenever they are used in science or management decision-making. We provide users of our data queries the option to view estimates in either table or graph form.

# What is MRIP?

- National program to estimate marine recreational fish catch
- A partnership between Federal and State agencies, Councils, Commissions, etc.
- Based on surveys (dockside, electronic, mail, telephone\*)
- Evolving, based on partner needs and inputs from the National Academy of Sciences and others

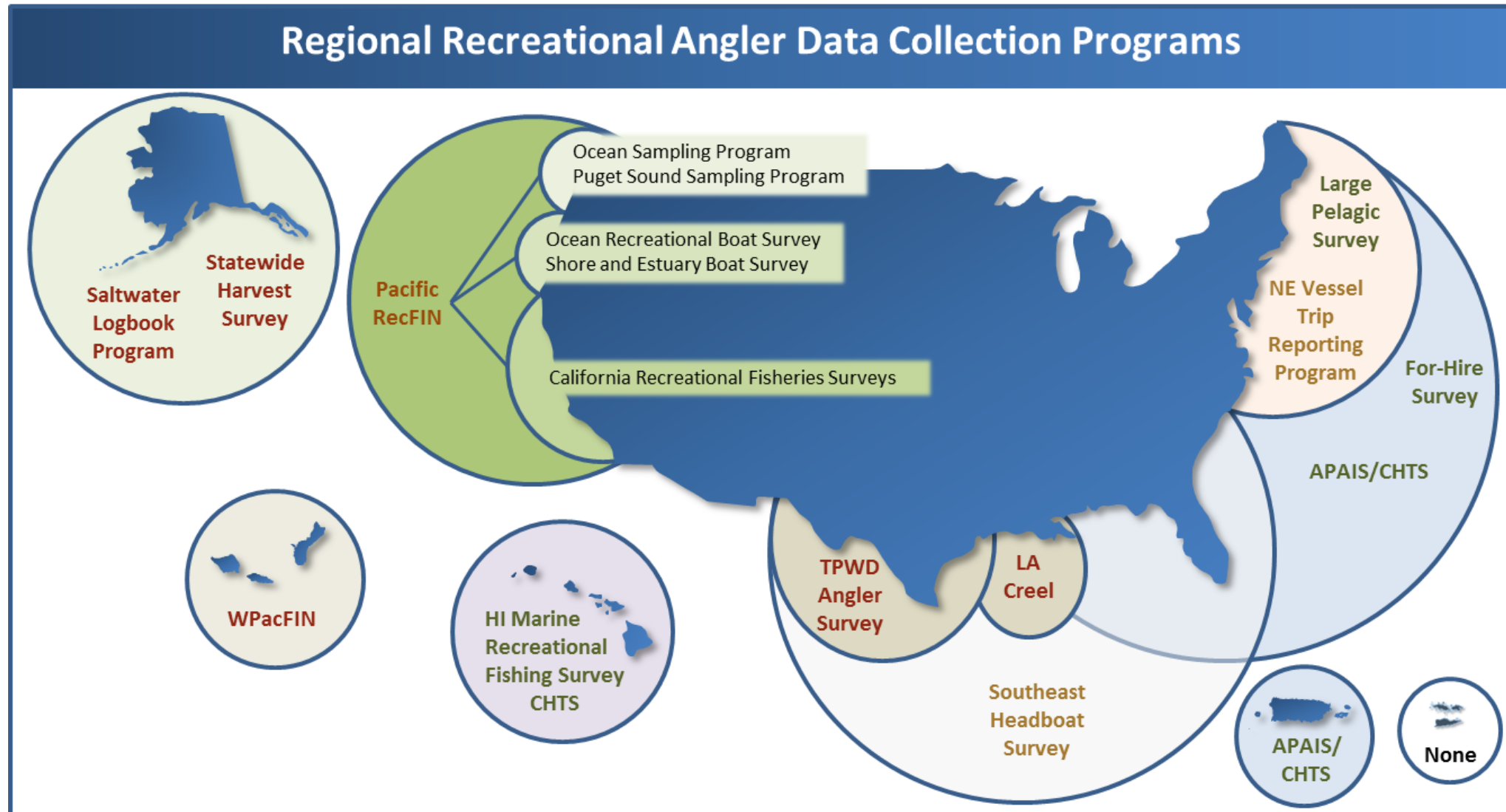
\*CHTS through 2017 only, FHTS



# Marine Recreational Information Program

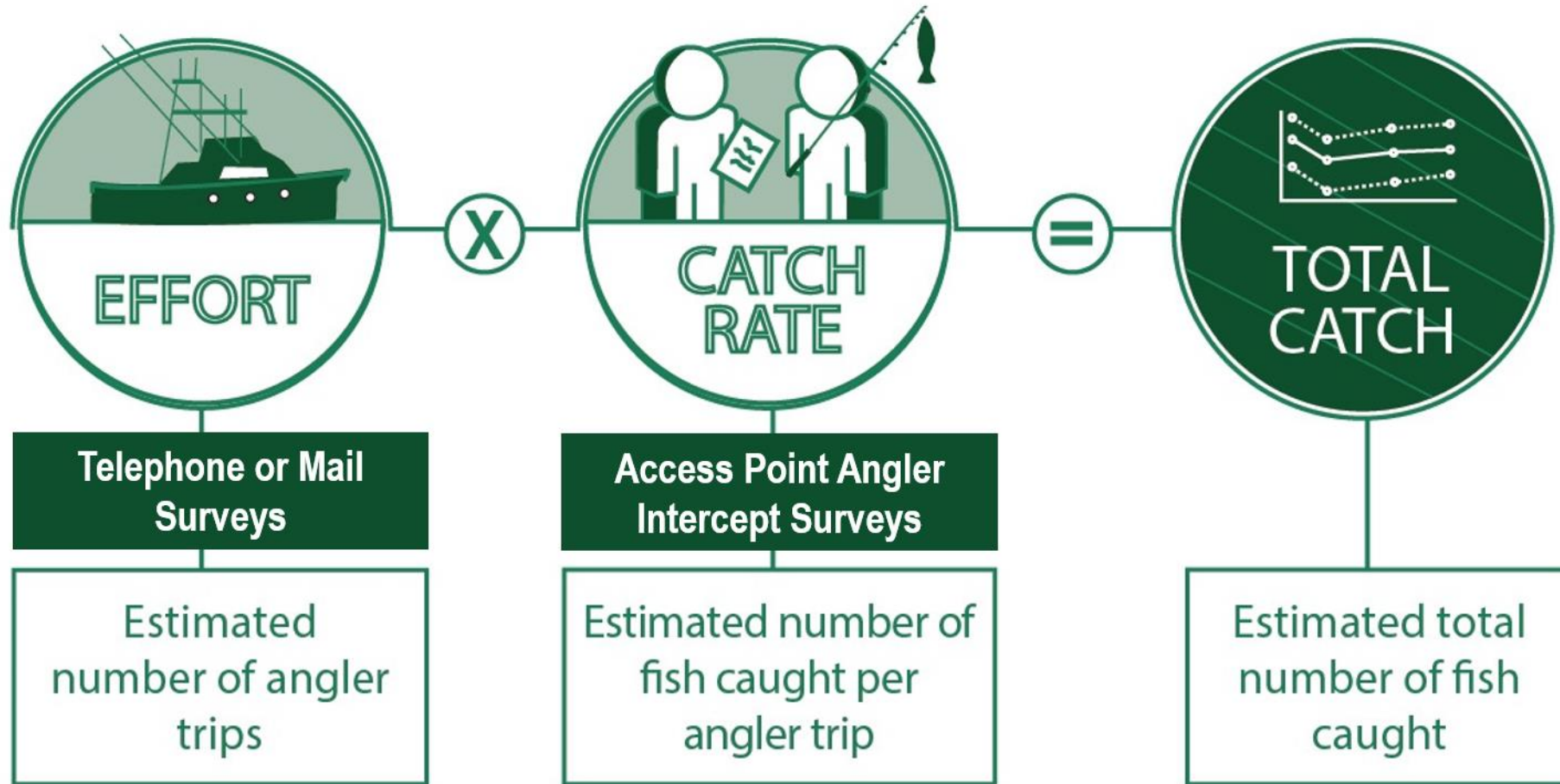
- Established in 2008 as collaborative program involving Councils, Interstate Commissions, and States to address NRC report (2006) findings and mandates of MSA Reauthorization 2007.
- Interstate Commissions and States have played key roles
- Focus:
  - Improved survey methods for estimating marine recreational fishing effort and catch
  - Improved communications with data collection partners, primary customers, and other stakeholders
  - Engaged with experts and improve staff expertise in survey statistics
  - Acquire additional resources needed to do the job

# Estimating Recreational Fishing Activity





# Estimating Recreational Fishery Catch



Supporting NOAA's mission of ensuring productive, sustainable fisheries and vibrant fishing communities through science-based decision-making.

# Access Point Angler Intercept Survey (APAIS)

Sampling of angler trips at public access fishing sites

- Site fishing pressures used to weight sample draw
  - No rescheduling allowed (sampler discretion removed)
  - Sites sampled in predetermined clusters and time blocks
  - No cap on numbers of interviews
- Shore mode (Beach-Bank, Man-Made)
- Boat modes (Private/rental boats, Charter/Guide)
- 6-hr time blocks (24hrs)

# MRIP Effort Surveys

## Coastal Household Telephone Survey

- Random-digit-dialing of coastal households
- Landline based
- Ends in 2017

## Fishing Effort Survey (replaces CHTS)

- Mail survey based on USPS addresses
- Supplemented with angler license information
- Electronic option in 2018

## For-Hire Telephone Survey

- Phone survey of vessel representatives

# The Estimates

**Point estimate:** Estimate of catch or effort

**A – Observed harvest:** Available to the sampler for verification

**B1 – Reported harvest:** Unavailable to the sampler for verification

**B2 – Reported as released:** Unverified by the sampler.

$A+B1=\text{Harvest}$

$A+B1+B2=\text{Total Catch}$

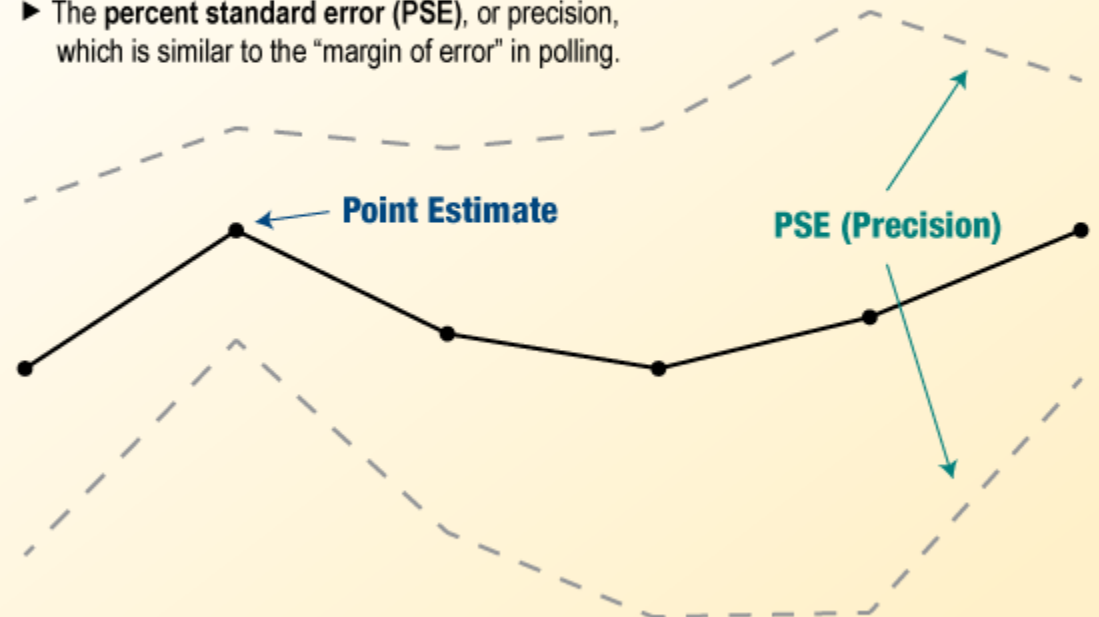
**Precision:** Percent Standard Error (PSE)  
High PSEs reflect greater variability

**Wave:** Two month period (e.g. Wave 1: Jan/Feb, Wave 6: Nov/Dec)

## Anatomy of an Estimate

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# MRIP Queries

## Catch Data

- Options for Snapshot, Time Series, Length Frequencies, LPS, HMS catch cards, MRIP/MRFSS comparisons

## Effort Data

- LPS, MRIP/MRFSS comparison, Time Series, Directed Trips

## Participation

- Time Series

## National Summary

- Basic annual totals (Catch by species/all species), effort and participation) for all States

## Downloads

- Selection of datasets

# Querying MRIP Estimates

[www.CountMyFish.noaa.gov](http://www.CountMyFish.noaa.gov)

## Things to keep in mind!

- MRIP estimates available by Wave (LPS by sampled month)
- MRIP doesn't estimate the weight of released catch – Weight applies only to harvested catch (A+B1)
- Several options available for directed trip estimates
- Estimates are available for a large number of species

# Useful Resources

## Estimation

- <https://www.fisheries.noaa.gov/national/recreational-fishing-data/estimation-methods>

## Using the data

- <https://www.fisheries.noaa.gov/national/recreational-fishing-data/survey-statistics-overview>

## All you need to know (and then some)!

- <http://www.st.nmfs.noaa.gov/recreational-fisheries/Materials-and-Resources/index> (url change anticipated by Jan 01, 2018)