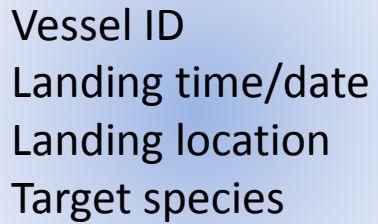# Charter/Headboat Electronic Reporting

Flow chart and description
of reporting steps

Fishing with Electronic Reporting

Hail-out before leaving

Vessel ID
Landing time/date
Landing location
Target species

Hail-out

- Indication that a trip will be taken
- Creation of a unique trip identifier
- Enforcement and validation
  - Approved landing locations ensure site exists and is accessible
  - Estimated return time in hail-out
    - Typically known in advance for charter trips
    - Helps plan validation activities for enforcement and port agents
    - Decreases data needed if hail-in required

Fishing with Electronic Reporting

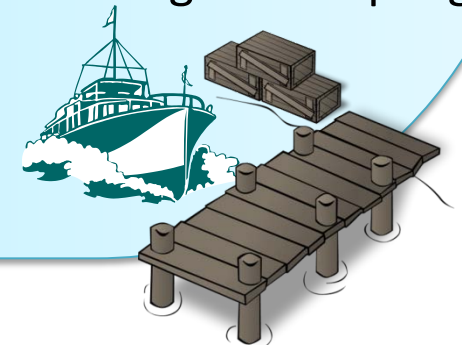**Hail-out before leaving**

Fishing

Hail-in

Vessel ID
Landing time/date
Landing location
Target species

Retained catch*
# of Anglers
Actual time in

*May be species specific

Validation &
biological sampling

At-Sea Data and Hail-in

- At-sea data collection
  - Location information automatically collected
  - Depending on hardware, may be able to enter catch information at sea

- Hail-in
  - May not be viable option for all hardware choices
    - E.g., cell phone or WiFi service coverage areas limited in some geographic areas
  - Allows for comparative validation of reported catch by port agents and enforcement

Hail-in

- May be used solely as validation tool or part of final logbook
  - Species specific reporting (validation tool)
  - All catch reporting required (part of final logbook)
- Unique trip identifier
  - Links hail-out to hail-in to final logbook record
- Updated landing time
  - May vary due to weather conditions, etc.

Fishing with Electronic Reporting

Hail-out before leaving

Vessel ID
Landing time/date
Landing location
Target species

Fishing

Hail-in
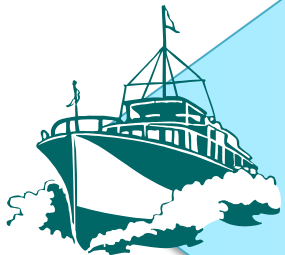
Retained catch*
# of Anglers
Actual time in

*May be species specific

Final trip submission

Released catch
Hours fished
Socio/economic

Validation & biological sampling
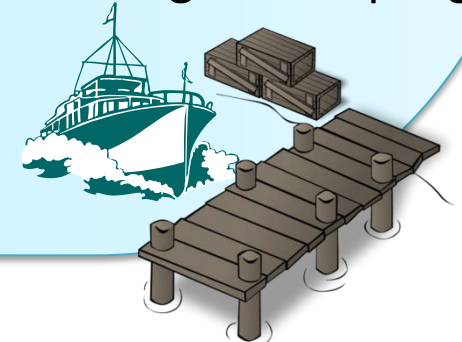
Logbook Completion

- Remaining data entered
  - Some data elements may not be available to captain (e.g., fuel costs, charter fee, socio/economic data)

- Time frame to complete
  - Recall bias
  - Mixing trips, especially when 2 trips taken per day
  - Suggestion: minimize reporting timeframe to reduce recall bias

West Coast Charter Example

- Logbook has 4 sections
- Pre-departure: vessel information, port, operator, or declaration of no fishing activity
- Trip Info: trip length, target species, bait, gear
- Trip Catch: Species caught (kept, discarded, and lost to predation)
- Post Trip: departure and return time, hours fished, depth fished, # fishers, # crew, location fish primarily caught

Questions?