



# **Tools for Improving Outreach Capacity: *SAFMC Fishing Regulations Mobile App***

***South Atlantic Fishery Management Council***

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# Purpose and Need:

- Rapidly changing regulations
- Print materials become outdated
- Web-based and mobile technology advances
- Changing demographic of fishermen – *increasing requests about regulations*
- Print costs vs app development



# SAFMC Regulations App: *Content*

## Fish ID and Regulations

- *List of species managed by SAFMC, state managed species, HMS and Sharks*
- *Fish description*
- *Recreational and commercial regulations*

## Measurement Guidelines

## Important Numbers

## Managed Areas

- *Deepwater MPAs*
- *Oculina Bank Experimental Closed Area and HAPC*
- *Deepwater Coral*
- *Special Management Zones*
- *National Marine Sanctuaries*

## About SAFMC




## State Regulations



# SAFMC Regulations App: *Web Editor*



## Data Maintenance for Mobile Application

| Add New Fish   |                    | Configuration  | Mass Edit  |  |  |  |  |
|--|--------------------|--|--|--|--|--|--|
| Name   | Category           | Food Quality   | Description  | Rec Regs   | Comm Regs  |  |  |
| <a href="#">Edit</a><br>Amberjack, Greater (Amberjack, A.J.) | Jacks and Pompanos | Very good, especially when grilled or broiled. Amberjacks occasionally have infestations of tapeworms encysted in the muscles ahead of the tail. Although the worms are harmless to humans, these areas may be cut away and discarded. | Dark stripe (variably present) extends from nose to in front of dorsal fin and lights up when fish is in feeding mode; no scutes; soft dorsal base less than twice the length of the anal fin base.                                    | Size: 28 inch fork length; no coring<br>Bag Limit: 1 per person per day. (NOTE: In April, for hire/charter vessels limited to 1 per person per day or 1 per person per trip).<br>Season: | Size: 36 inch fork length; no coring<br>Trip Limit: 1,200 lb trip limit until quota is reached. No sale after quota is reached. Gear restrictions apply and limited access permit required.<br>Quotas/Season: <ul> |   |  |
| <a href="#">Edit</a><br>Amberjack, Lesser                    | Jacks and Pompanos | Very good, especially when grilled or broiled. Amberjacks occasionally have infestations of tapeworms encysted in the muscles ahead of the tail. Although the worms are harmless to humans, these areas may be cut away and discarded. | Olive green or brownish back and silversides; dark band (variably present) extends backward and upward from eye; juveniles have split or wavy bars on sides; proportionately larger eye and deeper body than greater amberjack.        | Size: None<br>Bag Limit: Included in the 20 Fish Aggregate Bag Limit<br>Season: None<br>Reg Remarks: <ul><li>Other Snapper Grouper Complex   | Size: None<br>Trip Limit: None<br>Quotas/Season: <ul><li>Recreational and commercial fishermen are required to use dehooking tools when fishing for snapper grouper  |   |  |
| <a href="#">Edit</a><br>Banded Rudderfish                    | Jacks and Pompanos | As good as Amberjack   | Fish less than 11 inches long have dark band from eye to first dorsal fin and six prominent bars on body; larger fish are bluish, greenish, or brown; soft dorsal base about twice the length of the anal fin; tail-lobe white tipped. | Size: None<br>Bag Limit: Included in 20 Fish Aggregate Bag limit of 20 fish per person/day.<br>Season: None<br>Reg Remarks: <ul><li>   | Size: None<br>Trip Limit: Limited access permit required.<br>Quotas/Season: <ul><li>All species must be landed with head and fins intact.</li><li>   |  |  |



# SAFMC Regulations App: *Web Editor*



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Selected DB: SAFC.sqlite

## Basic Information

Name:

Grouper, Gag (Charcoal Belly, Gray Gro

Category:

Groupers and Sea Basses

Similar Fish:

Black Grouper, *M. bonaci*.

Description:

Coloration is highly variable and changes with the size of the fish. Brownish gray in color with dark worm-like markings on sides; strong serrated spur at bottom margin of preopercle, less noticeable in large specimens; fins dark, with anal and caudal having white margin; often confused with black grouper; most noticeable differences are brassy spots on black grouper; tail of gag is slightly concave, black grouper's tail is square; gag has white margin on anal and caudal fins. black does not; under 10 pounds, gag's spur on preopercle is

Typical Size:

Common to 25 pounds.

Food Quality:

Excellent

State Record:

Where Found:

Adults OFFSHORE over rocks and reefs ranging from NC to Brazil and the Gulf of Mexico; juveniles occur in estuaries and seagrass beds INSHORE.

Remarks:

Forms spawning aggregations in water no shallower than 120 feet in February off the Carolinas; young gags are predominantly female, transforming into males as they grow larger, called protogynous hermaphrodites; feeds on fish and squid.

## Recreation Regs

## Commercial Regs

Size Limit:

24 inch total length

Trip Limit:

Limited access permit required.

Trip limit is 1,000 lbs (gw), effective July 15, 2011.

Quotas/Closed Season:

- Annual Shallow-water Grouper Spawning Season Closure January 1 through April 30.
- Prohibition on recreational and commercial harvest or possession of: gag, black grouper, red grouper, scamp, red hind, rock hind, coney, graysby, yellowfin grouper, and yellowmouth grouper.
- In addition to the current commercial harvest quota, or "Annual Catch Limit" for gag, there is an aggregate commercial Annual Catch Limit (quota) for gag, black grouper, and red grouper. If either of these Annual Catch Limits is met or projected to be met, the commercial possession of shallow-water groupers (gag, black grouper, red grouper, scamp, red hind, yellowmouth grouper, yellow fin grouper, graysby and coney) is prohibited.
- All species must be landed with head and fins intact.
- Recreational and commercial fishermen are required to use dehooking tools when fishing for snapper grouper species.
- The use of non-stainless steel circle hooks (offset or non-offset) is required for all

Save

Cancel

Delete

## Picture

Picture File:

gag grouper.png



# SAFMC Regulations App: *Longevity of Tool*

- Internal review underway
- Launch February 2013
- Available for iPhone and Droid platforms
- Regulations updated as changes occur using web editor
- Add HMS information as first update
- Verona Solutions on contract
- Monitor downloads as performance measure







# Questions?

