Shellfish Sanitation Section
Environmental Affairs
2600 Bull Street
Columbia, SC 29201

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SHELLFISH MANAGEMENT AREA 10B
2021 ANNUAL UPDATE

[ Data Through December 2020]

Prepared By:
Ryan Reed, Regional Shellfish Program Manager
Environmental Affairs - Office of Law Enforcement
1362 McMillan Avenue, Suite 300
Charleston, South Carolina 29405

Reviewer:
Mike Marshall, State Shellfish Program Manager
Environmental Affairs – Office of Law Enforcement
927 Shine Avenue
Myrtle Beach, South Carolina 29577
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Data Inclusive Dates:  
No Data thru No Data

Classification Change:  
___ Yes   ___ No

Shoreline Survey Completed: No

(I)ncreased/(D)ecreased/(N)one:  
___ Approved  
___ Conditionally Approved  
___ Restricted  
___ Prohibited

Prior Report & Date: 2020 Annual Update

SUMMARY

Shellfish Management Area 10B (SFMA 10B) will remain Administratively Prohibited in its entirety. Historical and current uses of the upland areas within close proximity to Cooper River, Ashley River, and Charleston Harbor are not conducive for the sanitary harvest of molluscan shellfish for human consumption. The numerous point source discharges and miscellaneous activities that occur throughout the area prevent the Department from screening for all potential deleterious substances that could be present. Because of the large number of municipal and industrial discharges, the Shellfish Sanitation Program no longer monitors fecal coliform bacteria concentrations in SFMA 10B. Molluscan shellfish harvest for human consumption will not be allowed in SFMA 10B.

INTRODUCTION

BACKGROUND INFORMATION

This sanitary survey evaluates the current harvesting classification of shellfish growing waters designated as Shellfish Management Area 10B. SFMA 10B consists of approximately 25,266 acres of shellfish growing area habitat located partially in both Berkeley and Charleston Counties, South Carolina. SFMA 10B consists of the Charleston Harbor and all creeks emptying into the harbor, the Cooper River from the harbor upstream to Woods Point and the Ashley River from the harbor upstream to Drayton Hall. The harbor is approximately four miles wide (northwest to southeast) and three miles long (southwest to northeast). Depths range from approximately 40 feet in the harbor’s shipping channel to two feet near the shoreline. Due to minimal shoaling in the Ashley River, dredging occurs on an infrequent basis. The Cooper River, however, is routinely dredged due to occurrence of moderate to heavy shoaling. Freshwater flows into the area from both the Ashley and Cooper Rivers as well as from the Francis Marion National Forest via the Wando River. Overland runoff from rainfall also introduces additional freshwater into the area. High salinity ocean water enters the area from the mouth of the Charleston Harbor. The entire area is approximately 15 miles wide (northwest to southeast) and eight miles long (southwest to northeast).
There are no designated shellfish grounds within SFMA 10B. The shellfish-harvesting season in South Carolina normally extends from October through May. SCDNR has the authority to alter the shellfish-harvesting season for resource management purposes and grant permits for year-round mariculture operations. Additionally, the South Carolina Department of Health and Environmental Control has the authority to prohibit shellfish harvesting when necessary to ensure that shellfish harvested in South Carolina waters are safe for human consumption.

Numerous municipal and industrial point source discharges are throughout SFMA 10B. Because of the large number of discharges, the Department no longer monitors fecal coliform bacteria concentrations for shellfish harvest classification purposes within this growing area.

CONCLUSIONS AND RECOMMENDATIONS

SFMA 10B is not monitored for fecal coliform bacteria for shellfish harvest classification purposes due to the large number of municipal and industrial point source discharges within the area. The harvest of molluscan shellfish for human consumption should not be allowed in SFMA 10B. The shoreline survey review of SFMA 10B indicates that the classification boundary descriptions are appropriate.

PROHIBITED

1. The Charleston Harbor and all associated marshlands;
2. The Ashley River and all associated marshlands northward to Drayton Hall;
3. The Cooper River and all associated marshlands northward to Woods Point.

RESTRICTED

None

CONDITIONALLY APPROVED

None

APPROVED

None

Station Addition/Deactivation/Modification: None
REFERENCES

https://www.fda.gov/media/117080/download


Figure 1. Shellfish Growing Area 10B
Harvest Classifications, Stations and Potential Pollution Sources

- NPDES
- Marinas
- Shellfish Monitoring Sites
- Ports

Harvest Classification
- Approved
- Conditionally Approved
- Conditionally Restricted
- Restricted
- Prohibited
- Upgraded
- Downgraded
- Shellfish Mgt. Growing Area