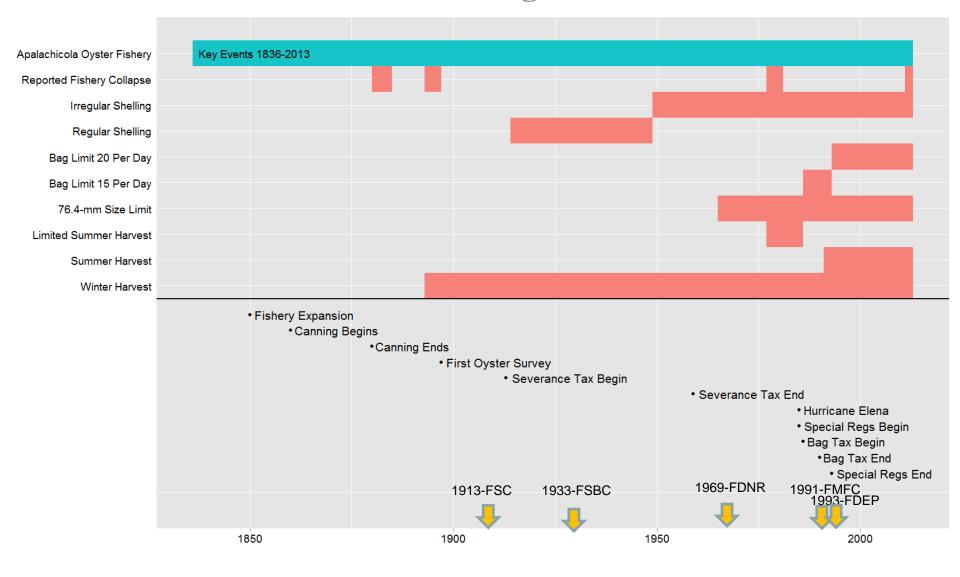




# Apalachicola Bay Oyster Fishery: Timeline of Key Events & Management Actions 1836-2013



Pine et al. 2015. Ecology & Society 20(3): Art. 46

# Florida Fish & Wildlife Commission



Sets season, size & bag limits



Enforces oyster regulations



Issues shellfish endorsement for commercial harvest





### Division of Aquaculture



Aquaculture
Certificate of
Registration and
Best
Management
Practices



Shellfish Harvesting Area Classification



Sovereignty Submerged Land Leasing (700 leases, 2,000 acres)



Shellfish Processing Facility Certification



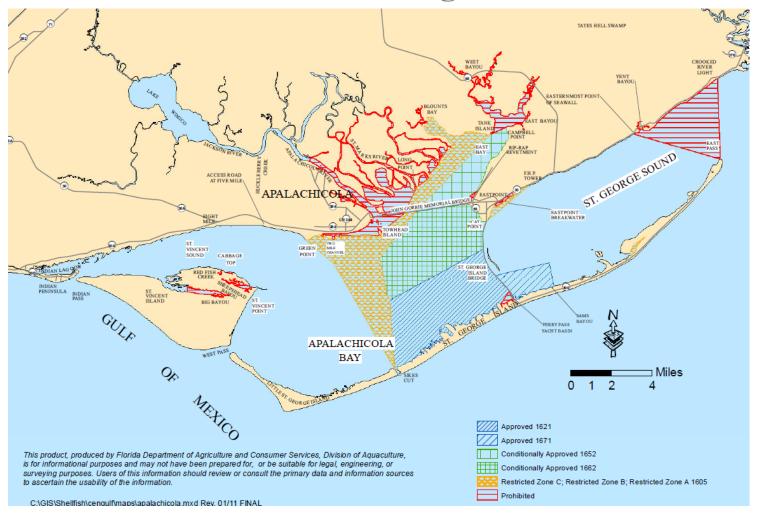
## **Sales of Certified Oysters**

all commercial harvest wild or AO must be sold directly to a certified processor

|             | 2016         |                  | 2017         |                  | 2018         |                  | 2019 to date |                  |
|-------------|--------------|------------------|--------------|------------------|--------------|------------------|--------------|------------------|
|             | Shell<br>Lbs | No.<br>Shellfish | Shell<br>Lbs | No.<br>Shellfish | Shell<br>Lbs | No.<br>Shellfish | Shell<br>Lbs | No.<br>Shellfish |
| Aquaculture | 1.4 million  | 5.9 million      | 482.5 K      | 2.5 million      | 808 K        | 4.2 million      | 809 K        | 4.2 million      |
| Wild        | 8.3 million  | 43.2 million     | 7.1 million  | 37 million       | 4.4 million  | 22.7 million     | 2.4 million  | 12.3 million     |



#### Apalachicola Bay System: Summer Harvesting Area June 1 – August 31





Approved - open to shellfish harvesting, closed temporarily for red tides, hurricanes and sewage spills.

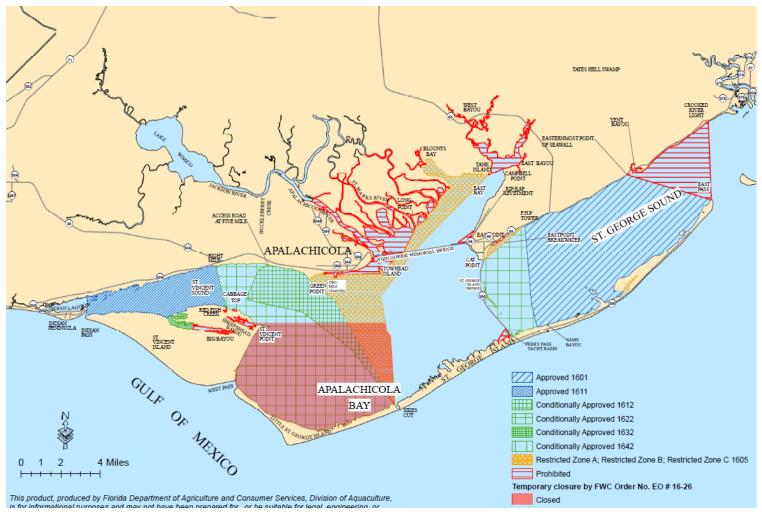
Conditionally Approved – closed periodically to harvest pollution events, such as rainfall or increased river flow.

Restricted - open to relay (oyster transfer from Restricted to Approved area); controlled purification by special permit

Conditionally Restricted – Temporary suspension of relay & controlled purification based on pollution events

Prohibited - due to actual or potential pollution.

## Apalachicola Bay System: Winter Harvesting Area September 1 – May 31





Approved - open to shellfish harvesting, closed temporarily for red tides, hurricanes and sewage spills.

Conditionally Approved – closed periodically to harvest pollution events, such as rainfall or increased river flow.

Restricted - open to relay (oyster transfer from Restricted to Approved area); controlled purification by special permit

Conditionally Restricted – Temporary suspension of relay & controlled purification based on pollution events

Prohibited - due to actual or potential pollution.

Areal closures intended to protect human health, protect experimental areas







| COMMERCIAL & RECREATIONAL AERIAL CLOSURES (FR, SA, SU) |                     |      |             |      |                                      |  |  |
|--|---------------------|------|-------------|------|--------------------------------------|--|--|
| DATE   | Description         | DATE | Description | DATE | Description                          |  |  |
| 1985   |                     | 1997 |             | 2009 |                                      |  |  |
| 1986   | East Hole, Platform | 1998 |             | 2010 |                                      |  |  |
|  | Bar, Hotel Bar      |      |             |      |                                      |  |  |
| 1987   |                     | 1999 |             | 2011 |                                      |  |  |
| 1988   |                     | 2000 |             | 2012 |                                      |  |  |
| 1989   |                     | 2001 |             | 2013 |                                      |  |  |
| 1990   |                     | 2002 |             | 2014 | SHA 1601, 1611 when 1642 closed;     |  |  |
|  |                     |      |             |      | East Hole.                           |  |  |
| 1991   |                     | 2003 |             | 2015 | EAST Hole SUMMER, re-opened          |  |  |
|  |                     |      |             |      | 5/7,14,21,28, closed WINTER; 1601,   |  |  |
|  |                     |      |             |      | 1611 when 1642 closed;               |  |  |
| 1992   |                     | 2004 |             | 2016 | EAST Hole 9/21-6/1 except Mo, 6/1-   |  |  |
|  |                     |      |             |      | 8/31; 1612, 1622 s of line due E     |  |  |
|  |                     |      |             |      | Sheepshead Bayou mouth               |  |  |
| 1993   |                     | 2005 |             | 2017 | SHA 1612, 1622 (see rule 5-L-1.003   |  |  |
|  |                     |      |             |      | FAC south of line due east mouth     |  |  |
|  |                     |      |             |      | Sheepshead Bayuo) & Fr Sa Su SHA     |  |  |
|  |                     |      |             |      | 1642 5/4-5/31. If closed Mo Tu, fish |  |  |
|  |                     |      |             |      | Fr; if closed We Th, fish Sa. EAST   |  |  |
|  |                     |      |             |      | HOLE 6/1-8/31.                       |  |  |
| 1994   |                     | 2006 |             | 2018 | East Hole, N John Gorrie Memorial    |  |  |
|  |                     |      |             |      | Bridge, Hotel Bar Experimental Area  |  |  |
|  |                     |      |             |      | 6/1-9/1; ENTIRE BAY 9/1-9/3; SHA     |  |  |
|  |                     |      |             |      | 1612, 1622 & Bulkhead Bar            |  |  |
|  |                     |      |             |      | Experimental Area 9/4-5/31/2019      |  |  |
| 1995   |                     | 2007 |             | 2019 | ENTIRE BAY 9/1-9/3; Bulkhead Bar &   |  |  |
|  |                     |      |             |      | SHA 1612, 1622 thru 5/31/2019        |  |  |
| 1996   |                     | 2008 |             | 2020 | SHA 1612 and 1622 south of           |  |  |
|  |                     |      |             |      | Sheepshead Bayou; Bulkhead Bar       |  |  |
|  |                     |      |             |      | Experimental Area from Sept. 3-      |  |  |
|  |                     |      |             |      | May 31                               |  |  |
| l  |                     | L    |             |      |                                      |  |  |

#### Daily weekend closures intended to reduce fishing pressures on oyster stock





#### COMMERCIAL DAILY CLOSURES (FR, SA, SU)

| DATE | Description               | DATE | Description         | DATE | Description             |
|------|---------------------------|------|---------------------|------|-------------------------|
| 1985 |                           | 1997 |                     | 2009 |                         |
| 1986 | F,Sa, Su; 4pm-sunrise     | 1998 |                     | 2010 | DWH DISASTER -          |
|      |                           |      |                     |      | REMOVED SA due to       |
|      |                           |      |                     |      | DwH hardships - 6/5-    |
|      |                           |      |                     |      | 8/31/2010; REMOVED      |
| 1987 |                           | 1999 | Fr, Sa SUMMER       | 2011 | REMOVED ALL 9/1-        |
|      |                           |      | 11, 3a 30 WIIWIEN   |      | 11/16/2011              |
| 1988 |                           | 2000 |                     | 2012 | REMOVED ALL             |
|      |                           |      |                     |      | 6/1/2012 YEAR ROUND     |
| 1989 |                           | 2001 |                     | 2013 | Fr, Sa Apalach 6/1-     |
|      | REMOVED                   |      |                     |      | 8/31/2013 SUMMER        |
| 1990 |                           | 2002 |                     | 2014 | SUMMER Fr, Sa 6/1-      |
|      |                           |      |                     |      | 8/31/2014; WINTER Fr,   |
|      |                           |      |                     |      | Sa, Su 9/1/2014-        |
| 1991 | F,S, S 7/1-9/30 SUMMER;   | 2003 |                     | 2015 | Fr Sa Su WINTER thru    |
|      | S,S 10/1-6/30 WINTER;     |      |                     |      | 5/31/2015; SUMMER       |
|      | sunrise- sunset except in |      |                     |      | 6/1-7/16/2015; Sa Su    |
|      | presence of monitoring    |      |                     |      | 7/20-8/28/2015; Fr Sa   |
|      | stations;                 |      |                     |      | Su 9/21/2015-           |
|      |                           |      |                     |      | 6/1/2016                |
| 1992 | S,S thru-6/30 WINTER;     | 2004 |                     | 2016 | Fr Sa Su thru           |
|      | sunrise- sunset except in |      |                     |      | 6/1/2016; 6/1-7/17;     |
|      | presence of monitoring    |      |                     |      | Sa Su 7/18-8/31/2016    |
|      | stations;                 |      |                     |      |                         |
| 1993 | REMOVED WINTER            | 2005 |                     | 2017 | Sa Su 6/1/2016-         |
|      | 11/16-6/30                |      |                     |      | 5/31/2017; Fr Sa Su     |
|      |                           |      |                     |      | SHA 1642 5/4-31/2017    |
|      |                           |      |                     |      | (see areal closure); Fr |
|      |                           |      |                     |      | Sa Su 6/1-7/17 ; Sa Su  |
|      |                           |      |                     |      | 6/18-8/31 /2017         |
| 1994 | REMOVED thru 6/30, Sa     | 2006 | REMOVED 11/16/2006- | 2018 | Fr, Sa,Su 6/1-          |
|      | Su 11/14-12/12            |      | 5/31/2007           |      | 9/1/2018; All week 9/1- |
|      |                           |      | 0,0-,200.           |      | 9/3/2018; Fr Sa Su      |
| 1995 | ?????                     | 2007 |                     | 2019 | Fr Sa Su thru           |
| 1996 |                           | 2008 |                     | 2020 | Fr Sa Su, Labor Day     |
|      |                           |      |                     |      | 9/1/-5/31 WINTER        |

#### FWC Franklin County Oyster Landings

Landings & Catch per Trip





YEAR

Size minimum = 3"

- 15% tolerance undersized attached
- 5% undersized unattached Cull undersized at harvest, return to reef from which harvested.