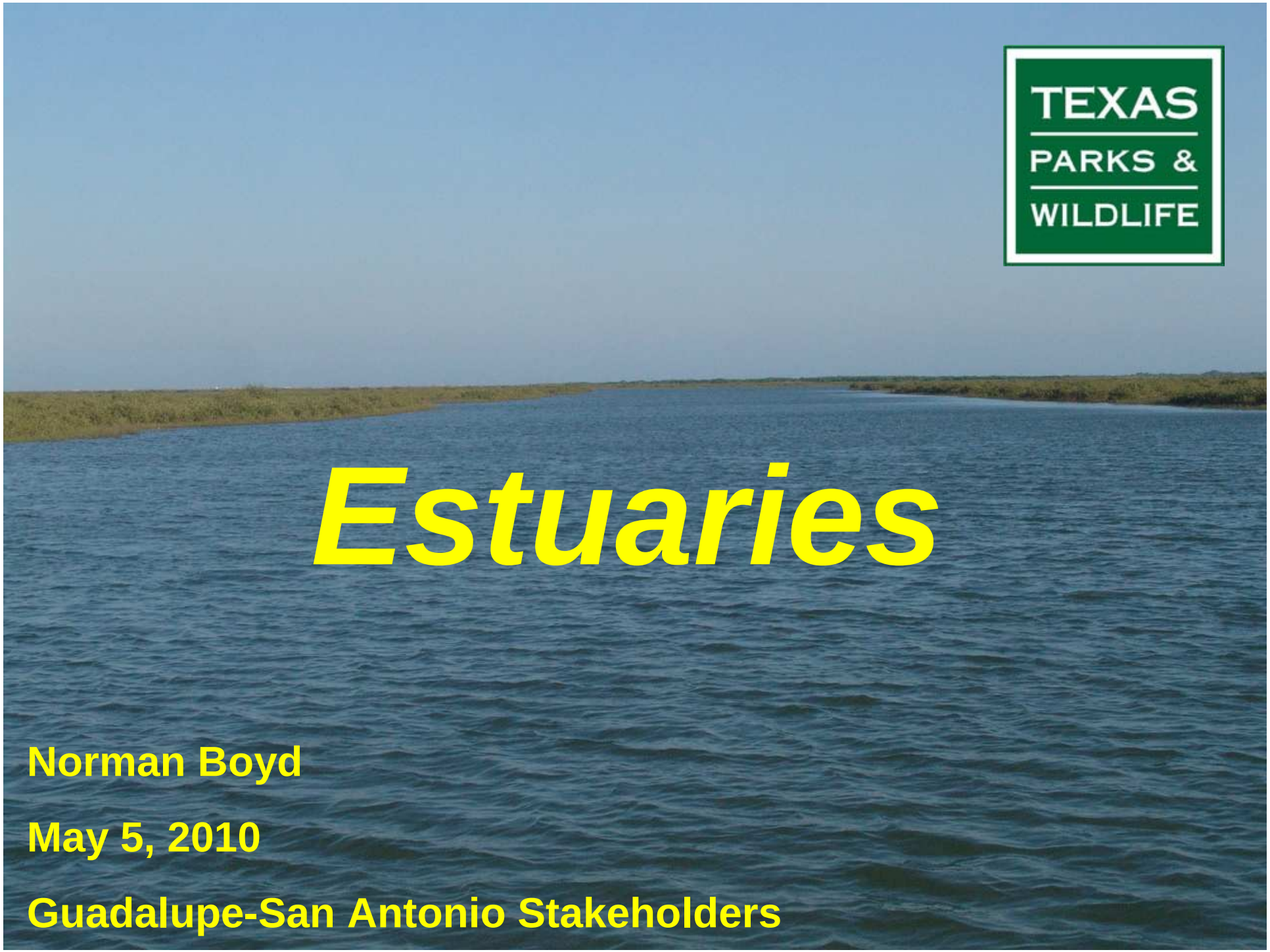


Estuaries

Norman Boyd

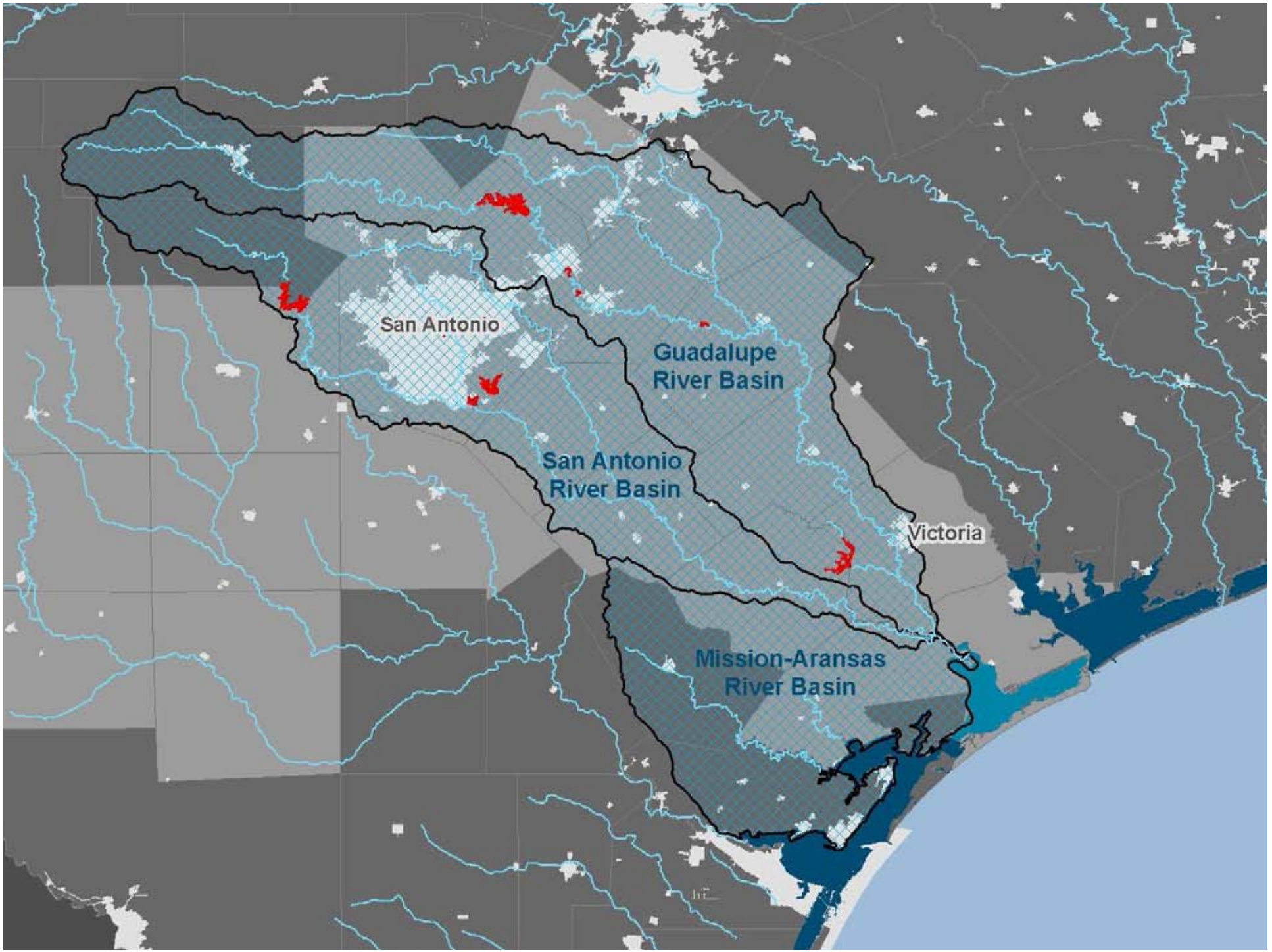
May 5, 2010

Guadalupe-San Antonio Stakeholders

What is an estuary?

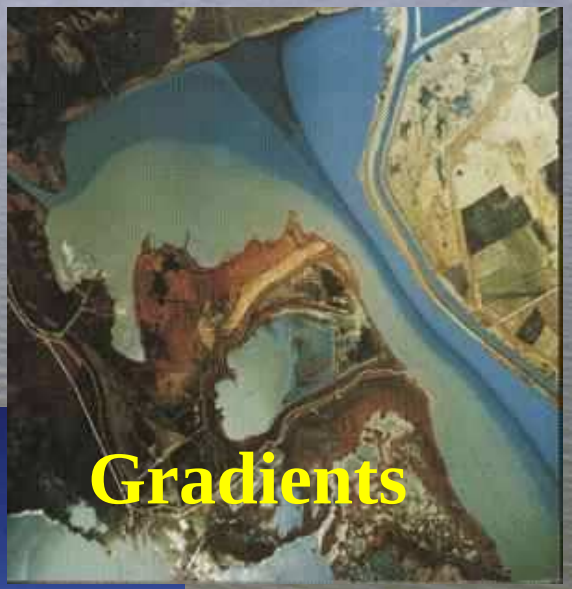
Estuaries are semi-enclosed coastal bodies of water which have a free connection with the open sea and within which sea water is measurably diluted with freshwater from land drainage.

[*Pritchard, 1967*]


San Antonio
Guadalupe
River Basin
San Antonio
River Basin
Victoria
Mission-Aransas
River Basin

Matagorda Island State Park
Rockport, Texas
www.wikimapia.org

Freshwater Inflows…

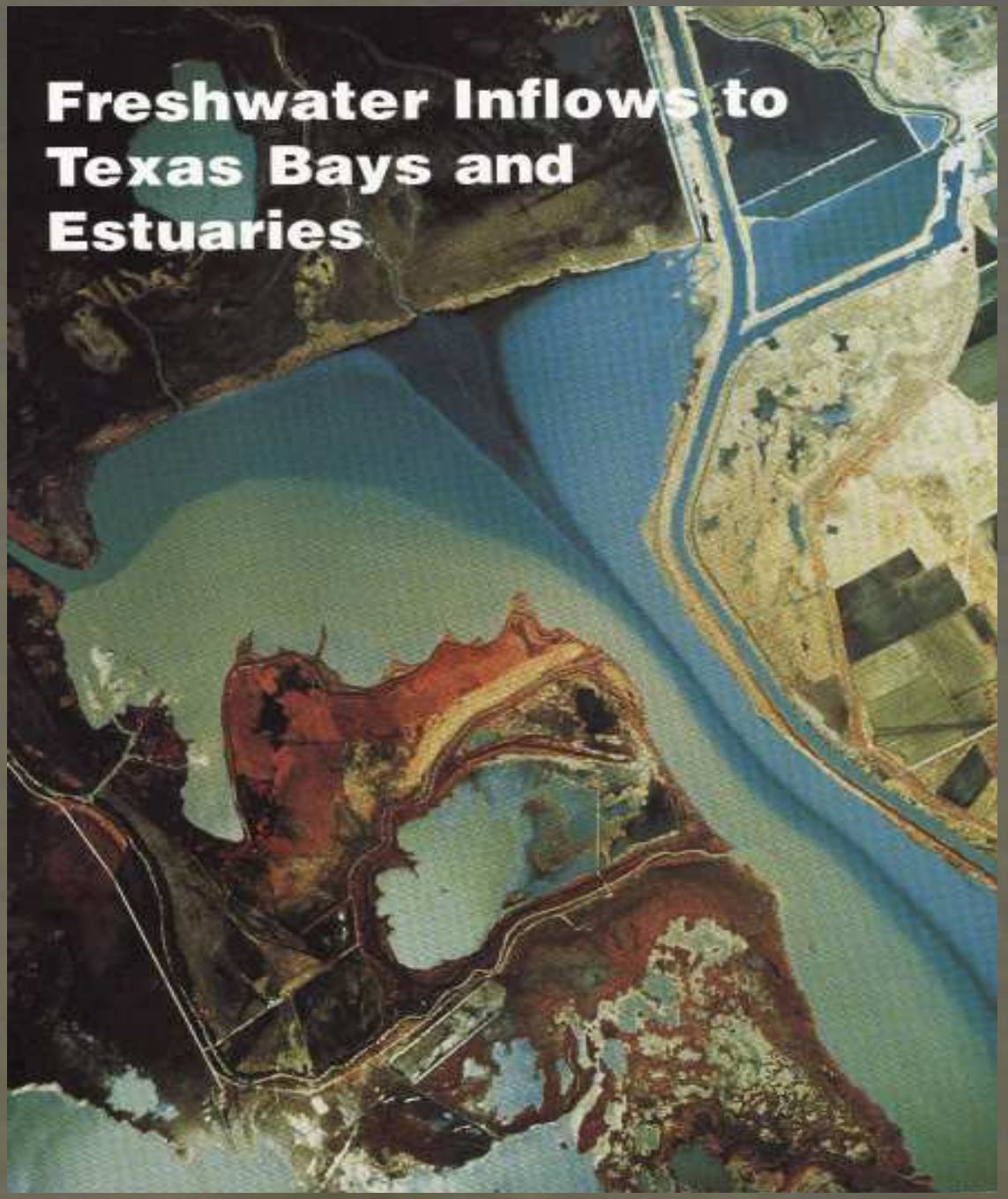


Gradients

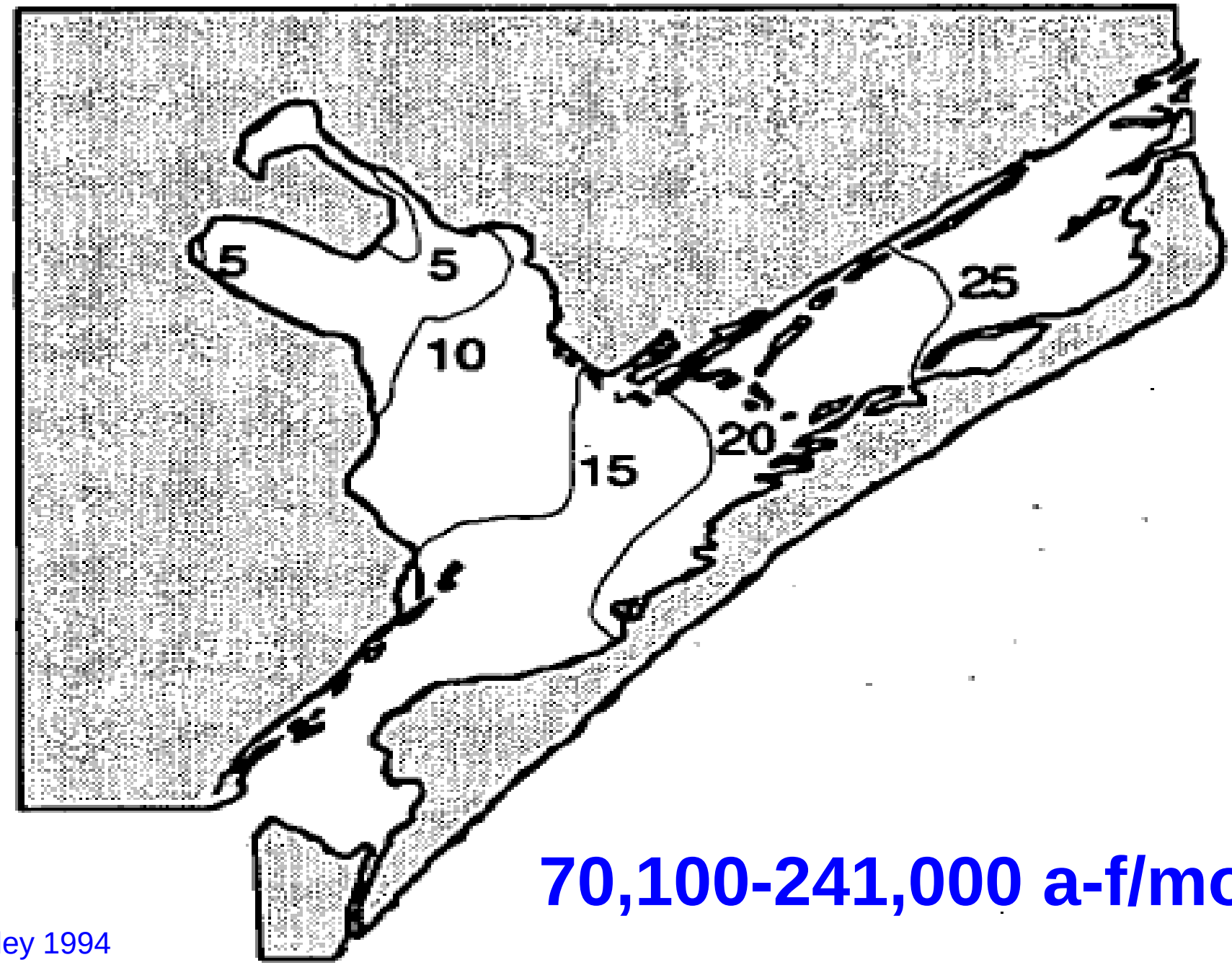
Nutrients

Wetlands

…Create Estuaries


Freshwater Inflows to
Texas Bays and
Estuaries

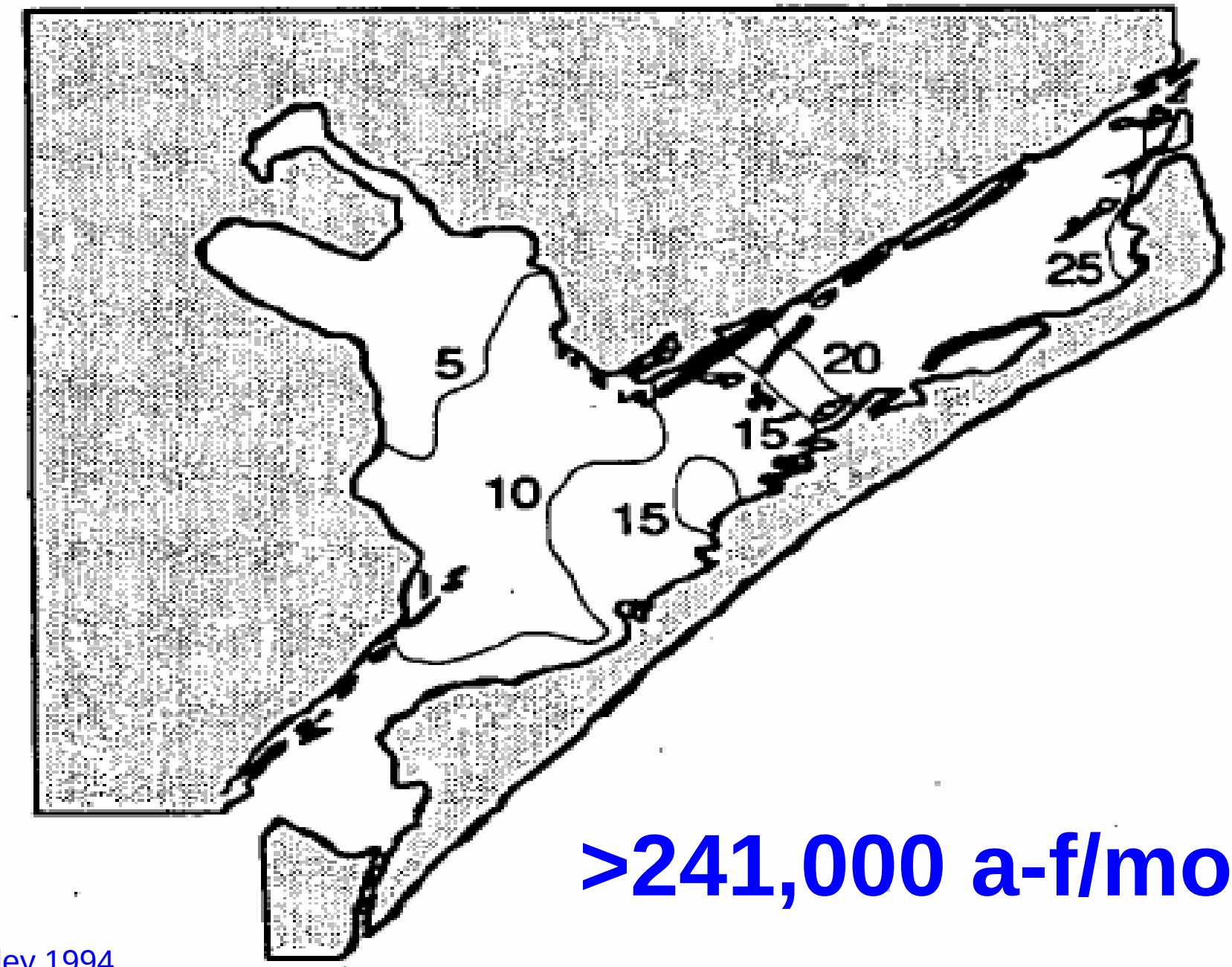
Medium inflows



70,100-241,000 a-f/mo

Longley 1994

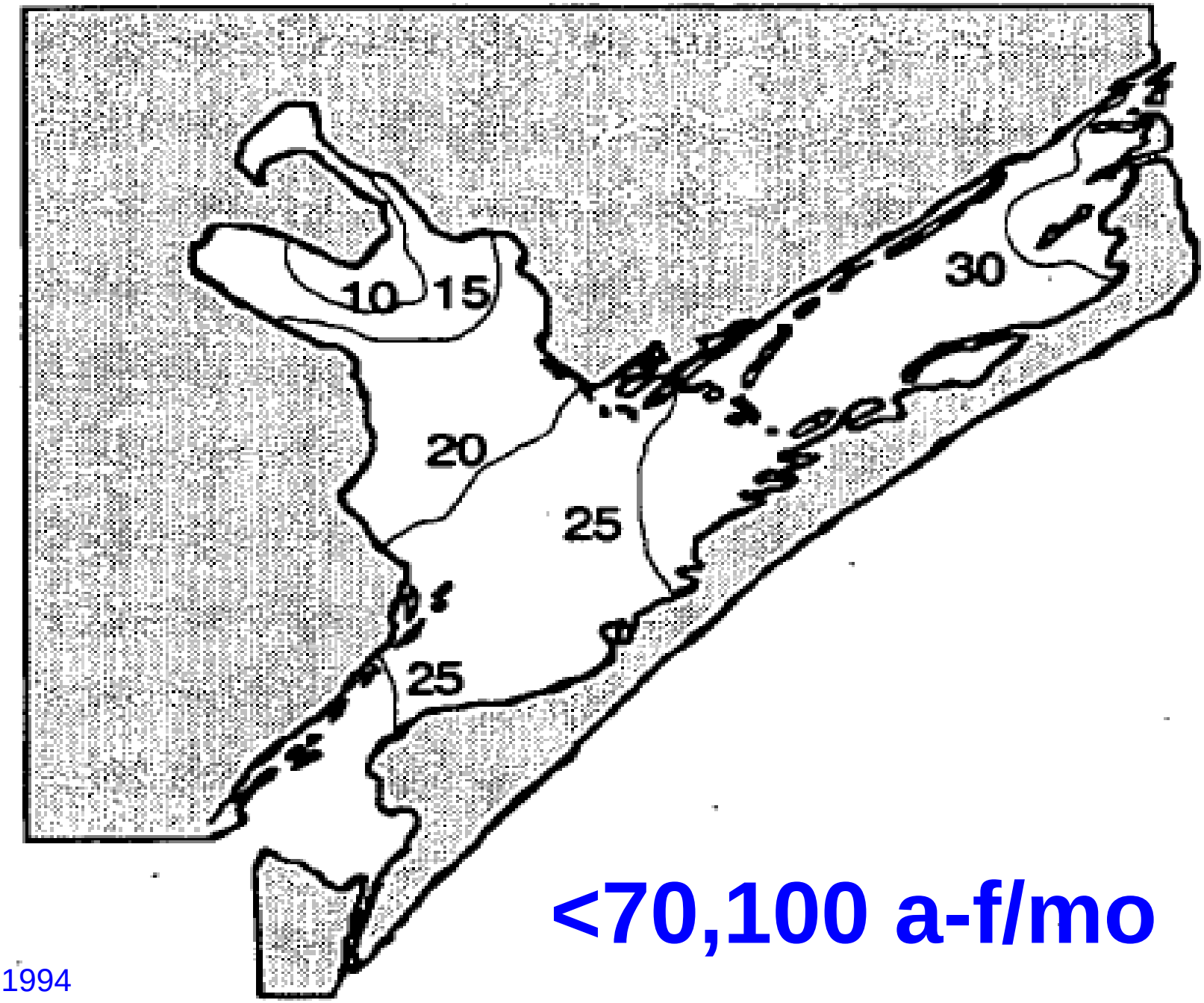
High inflows



>241,000 a-f/mo

Longley 1994

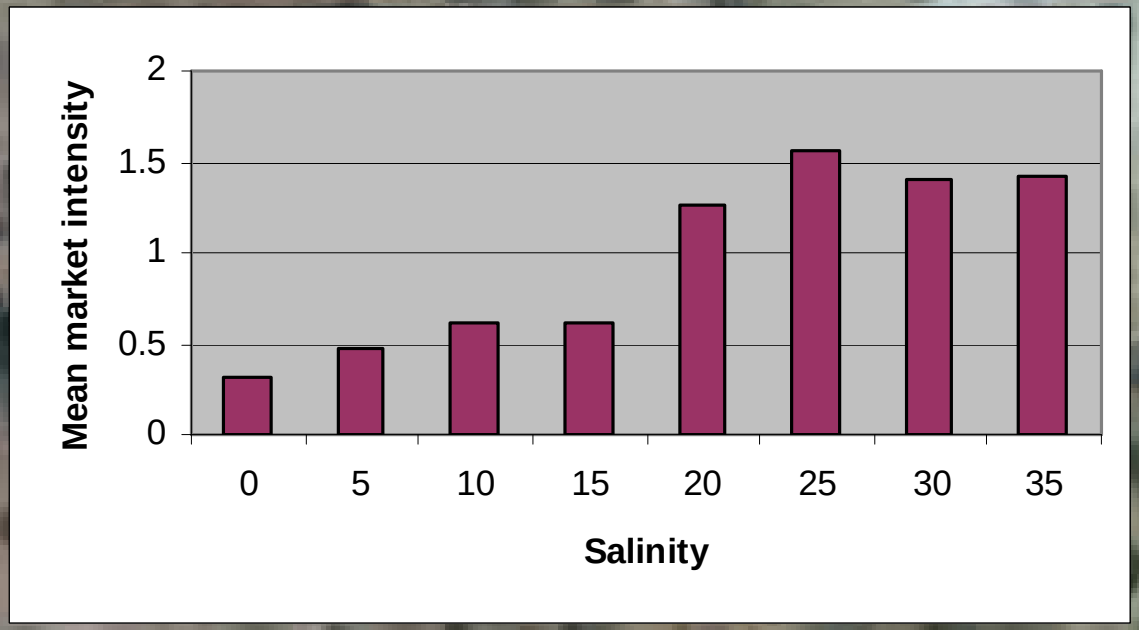
Low inflows

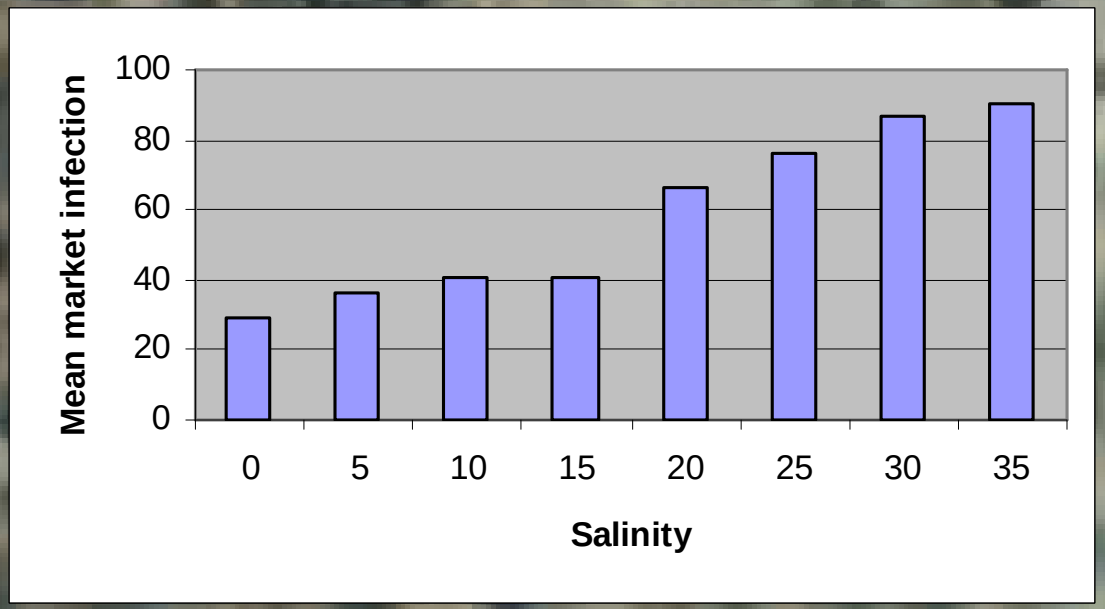


<70,100 a-f/mo

Longley 1994

Dermo

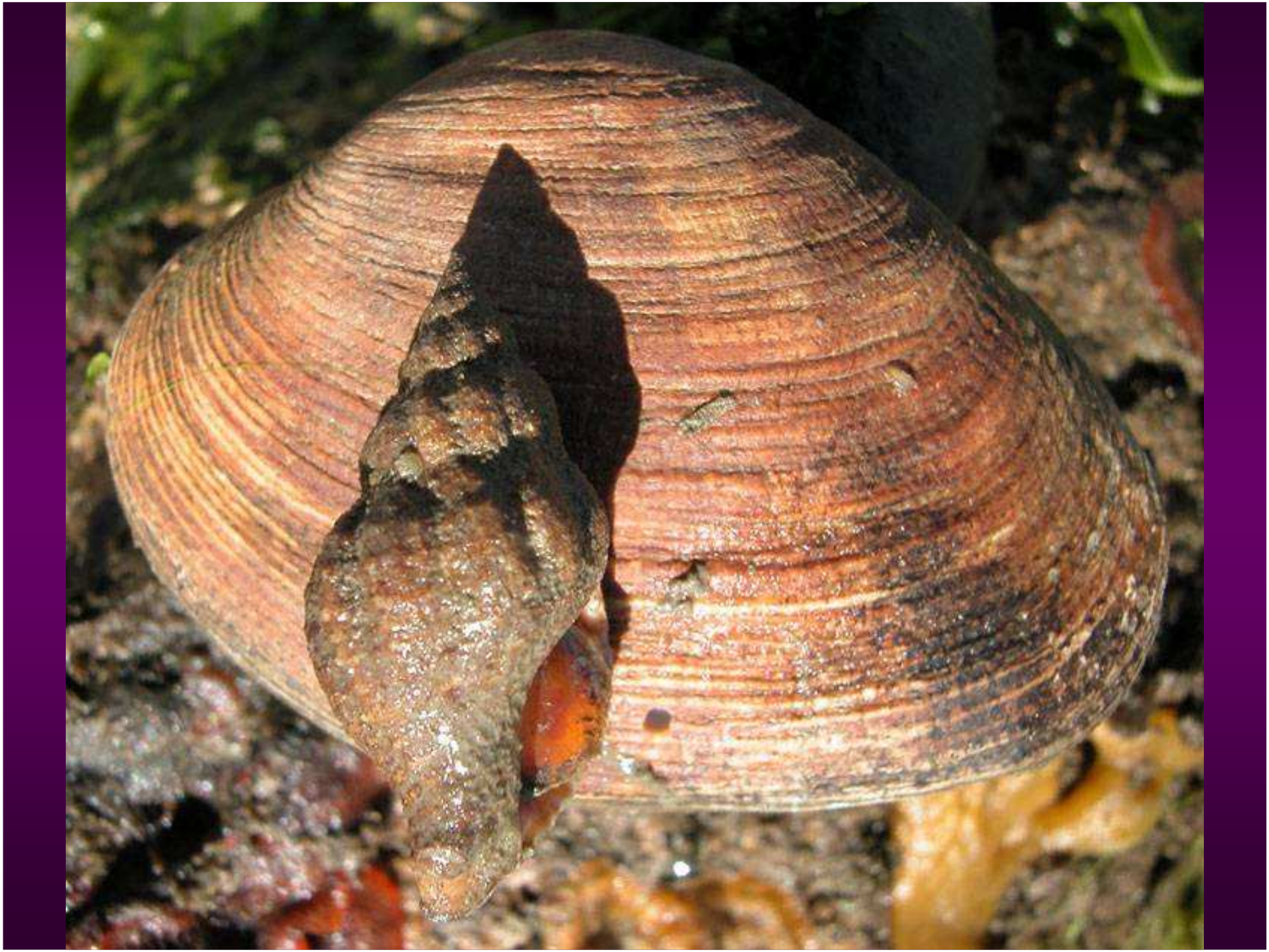


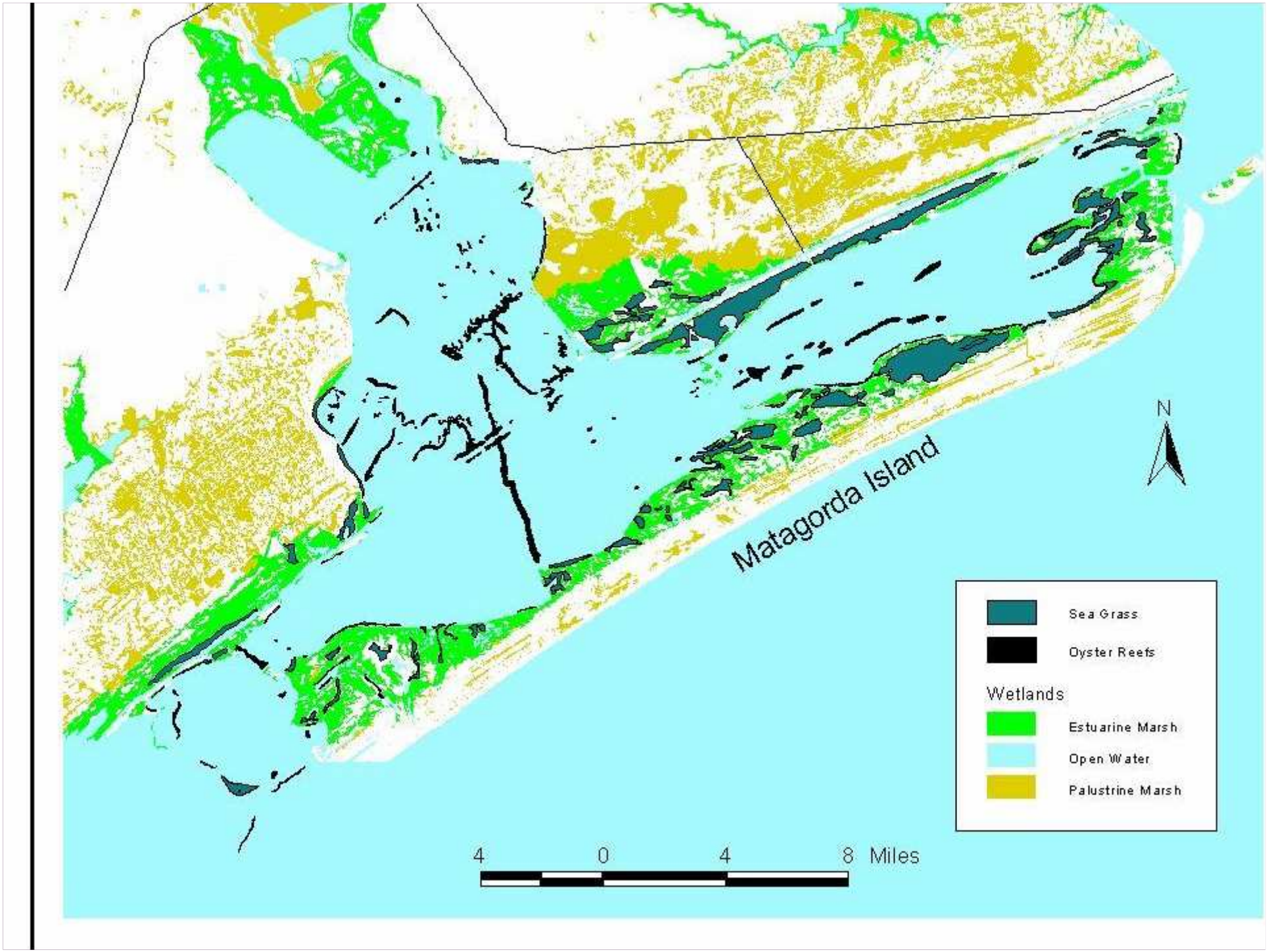


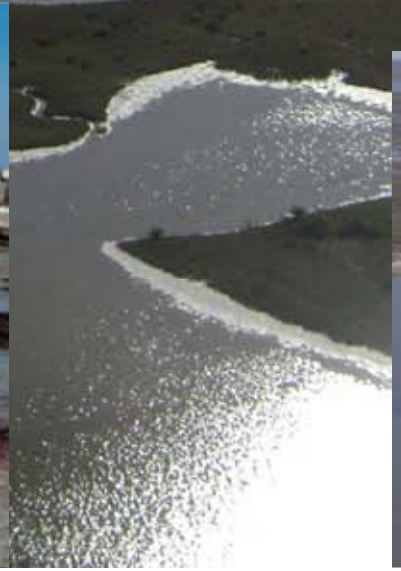
Perkinsus marinus

Protozoan parasite

Preliminary Data




Matagorda Island
N
Sea Grass
Oyster Reefs
Wetlands
Estuarine Marsh
Open Water
Palustrine Marsh
4 0 4 8 Miles

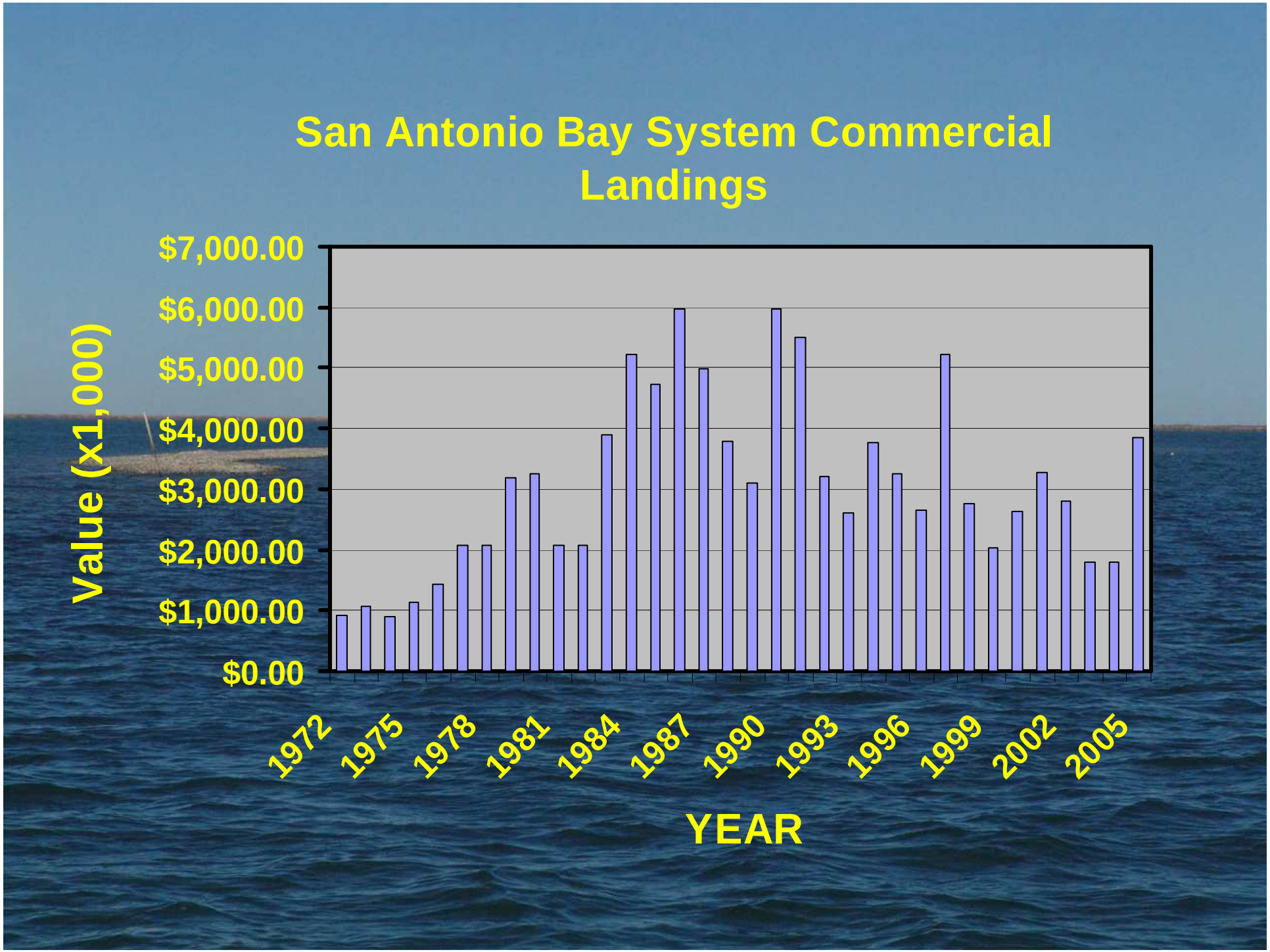


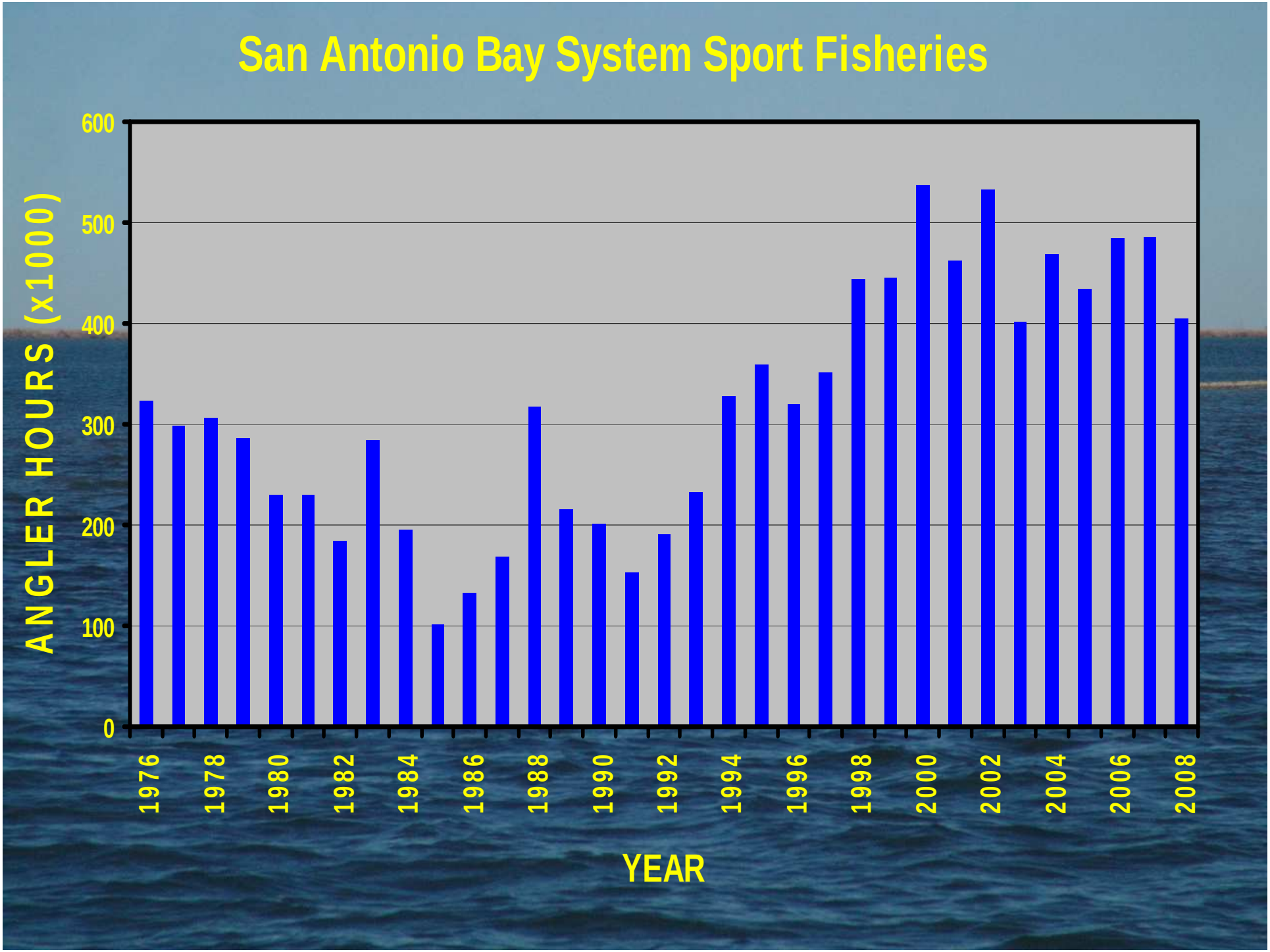
EXXON

Bend
Marine
YAMAHA
SUZUKI
EVINRUDE
MERCURY

JERI'S SEAFOOD

Canals Now Open


San Antonio Bay System Commercial Landings
Value (x1,000)
$7,000.00
$6,000.00
$5,000.00
$4,000.00
$3,000.00
$2,000.00
$1,000.00
$0.00
1972
1975
1978
1981
1984
1987
1990
1993
1996
1999
2002
2005
YEAR


San Antonio Bay System Sport Fisheries
ANGLER HOURS (x1000)
600
500
400
300
200
100
0
1976
1978
1980
1982
1984
1986
1988
1990
1992
1994
1996
1998
2000
2002
2004
2006
2008
YEAR

2007 POC Fishing Tournaments

- April 21 Happy Hookers
- April 28 POC Couples Tournament
- May 12 Warrior's Fishing Tournament
- May 18-19 First Victoria National Bank
- May 26 Memorial Day Kids Fishing Tournament
- June 9 Spaw Maxwell
- June 17 Redfish Series
- June 22-23 American Builders & Contractors
- June 30 South Texas Electric Co-op
- June 30 Pescado Grande
- July 13-14 Cula Roja
- July 18-21 Poco Bueno
- July 26-27 Key Energy Services
- August 3-4 Knights of Columbus, Victoria
- August 11 Speedy Stop Children's Tournament
- August 11 POCIFT
- August 17-18 Builders' Association of Victoria
- August 24-26 Steve Coffman Fish Jam
- October 5-6 Chris Ragusin POC Grand Slam
- November 3 TPWD Coastal Fisheries Bay Team Tournament

TEXAS ABANDONED CRAB
TRAP REMOVAL PROGRAM
February 19-28, 2010
PLEASE PLACE TRAPS HERE FOR DISPOSAL.
Sponsored By:
U.S. FISH & WILDLIFE SERVICE
COASTAL BEND BAYS & ESTUARIES PROGRAM
TEXAS PARKS & WILDLIFE
COASTAL CONSERVATION ASSOCIATION
TEXAS PARKS & WILDLIFE FOUNDATION
A Natural Investment
And many other organizations, businesses and volunteers that

TX 1360 HM
V4
EVINRUDE
MAJEK

MUSTANG
SURVIVAL