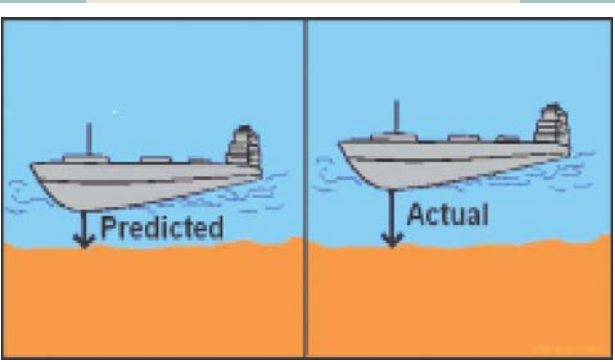


**P.O.R.T.S.** provides the maritime community with information to schedule arrivals and departures with minimal delays.



**P.O.R.T.S.** allows the maximum safe utilization of channel depth. Each foot of increased draft allows a vessel to carry as much as an additional \$800,000 worth of cargo.



**P.O.R.T.S.**, developed by NOAA's National Ocean Service (NOS), enhances navigational safety, protects, marine resources and improves shipping efficiency.

**P.O.R.T.S.** is used daily by vessel operators, harbor pilots and recreational boaters to monitor real-time tide, current and meteorological data to promote safer navigation in the San Francisco Bay region.

**P.O.R.T.S.** sensors currently operate at various locations throughout the San Francisco Bay region, south to Redwood City and inland to Port Chicago.

**P.O.R.T.S.** accommodates growth in maritime commerce while reducing risks to life, property and natural resources.



Mandated by the California Oil Spill Prevention and Response Act of 1990

This pamphlet was produced by the

Department of Fish & Game's Office of Spill Prevention and Response.

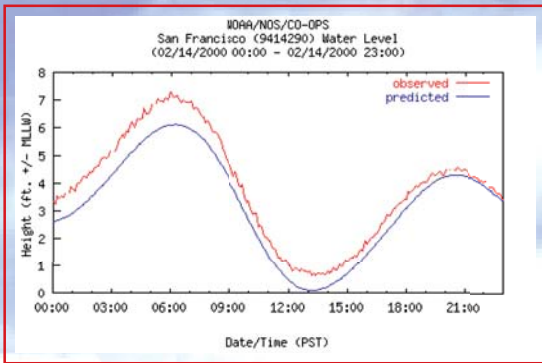
# **P.O.R.T.S.** Physical Oceanographic Real Time System

## *San Francisco Bay*

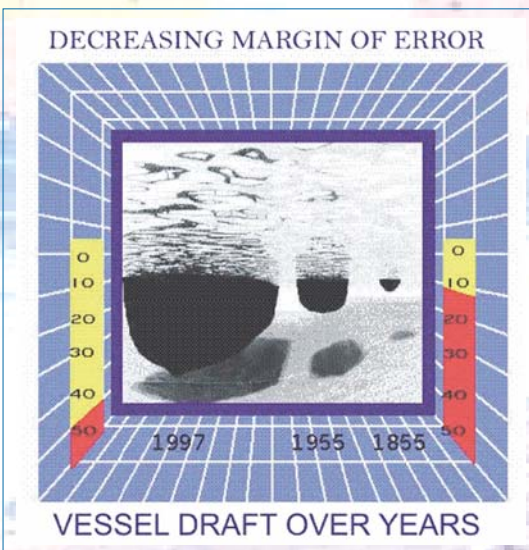


- *Promotes Safety*
- *Protects the Bay*
- *Improves Efficiency*
- *Increases Profits*

You can access P.O.R.T.S. at the website, [www.sfmx.org](http://www.sfmx.org), or telephone (866) 727-6787



**P.O.R.T.S.** is a decision support tool. In 1998, El Nino caused tides to be two feet higher than predicted. Real-time tide information allows the maximum channel depth to be utilized while maintaining a prudent margin of safety. Shippers can maximize their cargo stowage by loading to deeper drafts.



**P.O.R.T.S.** sensors in several key locations in the San Francisco Bay area measure wind, tide, temperature, salinity, current and barometric pressure.

**P.O.R.T.S.** enhances safety and efficiency of navigation on San Francisco Bay as billions of dollars of waterborne raw materials, goods and products, and thousands of passengers transit the Bay every year.

Even though **P.O.R.T.S.** was in its infancy during the 1996 CAPE MOHICAN oil spill in San Francisco Bay, it was used with some success by the Unified Command for cleanup operations.

**P.O.R.T.S.** has become an essential tool used by oil spill response professionals in preparing real-time strategies for the tactical deployment of equipment to achieve the most effective spill response.

