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# HPTRT Monitoring Strategy

Review of the HPTRP Monitoring Strategy  
and monitoring efforts to date

November 27, 2012

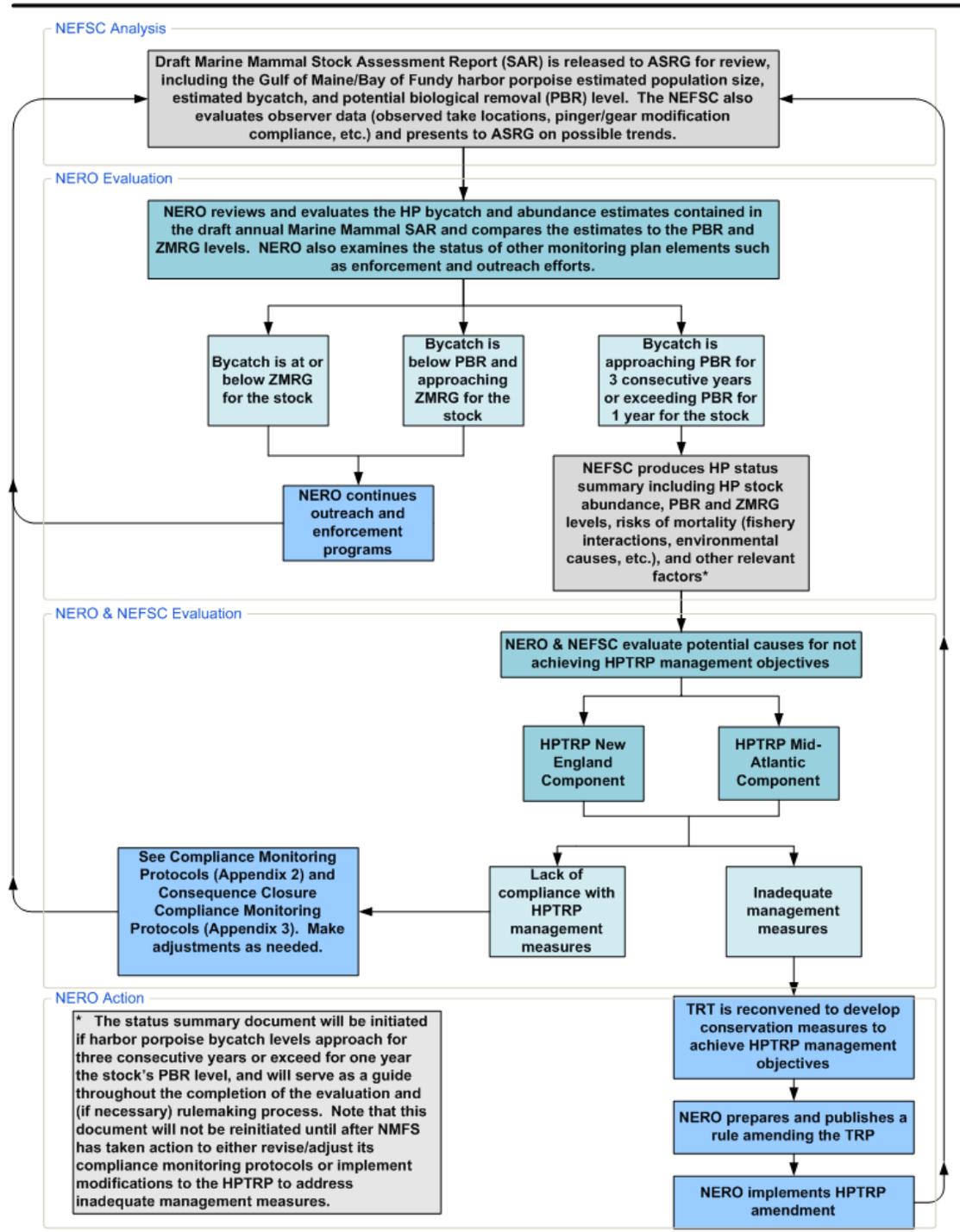
# Overview

1. Brief review of HPTRP Monitoring Strategy
  - Annual monitoring protocol flow charts
2. Review of NMFS consequence closure monitoring efforts to date
  - Year 1 (September 2010 through May 2011)
  - Year 2 (September 2011 through May 2012)

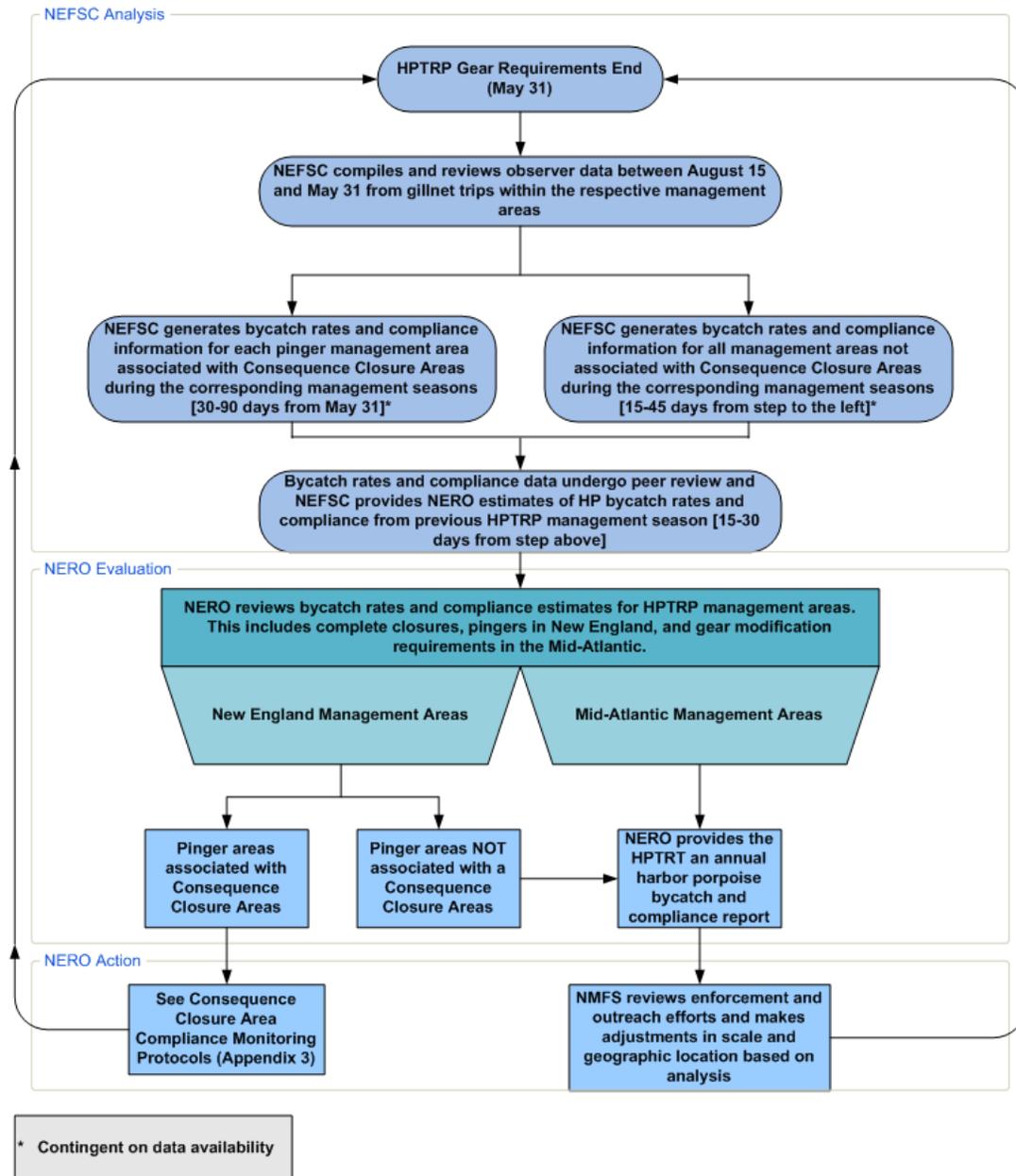
# HPTRP Monitoring Strategy

- Finalized after 2010 HPTRP amendment
- Monitors progress toward short- and long-term MMPA goals
- Monitors annual review of data as part of the consequence closure strategy
- Is a “living document” – subject to change

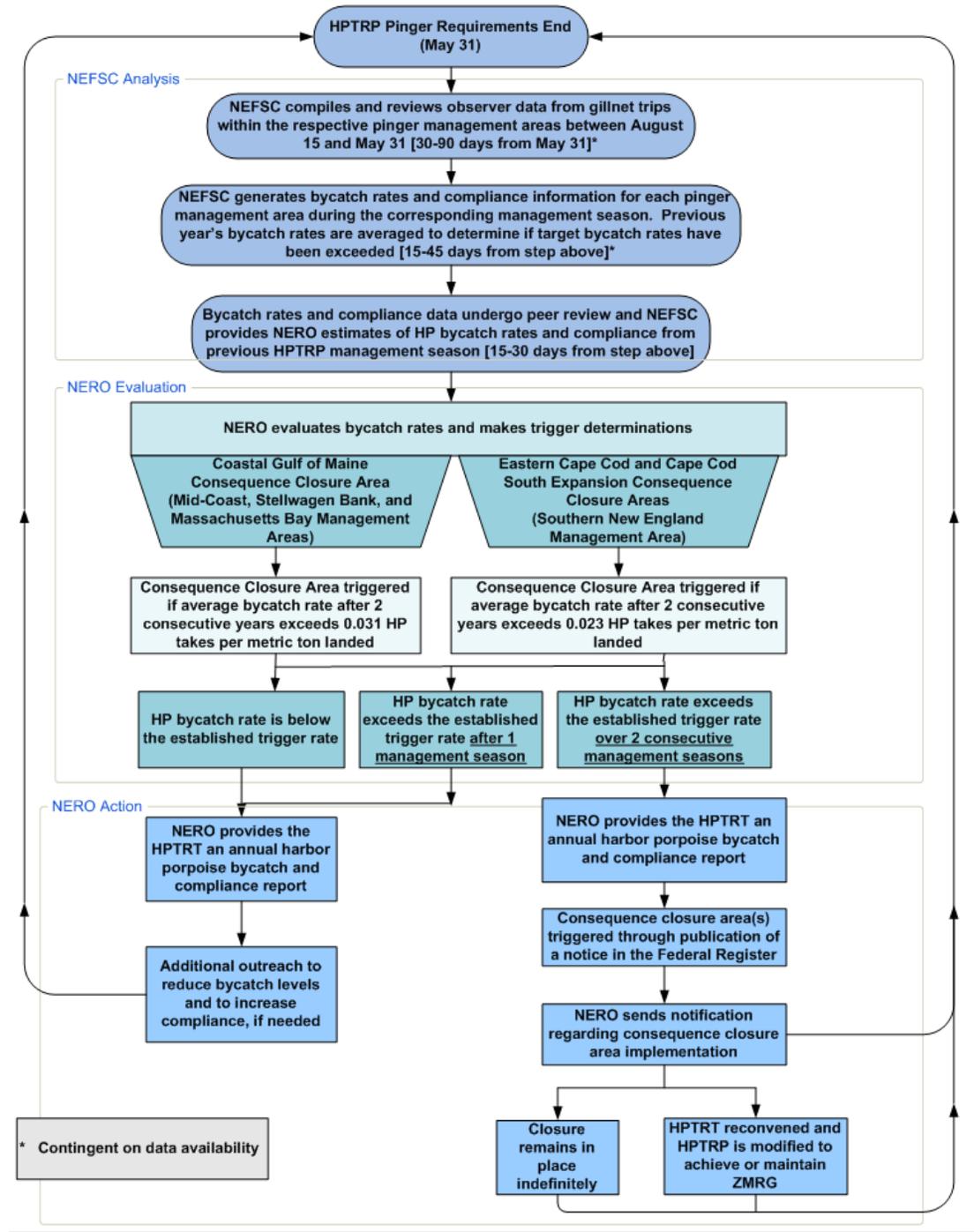
# Effectiveness Monitoring



# Compliance Monitoring



# Consequence Monitoring



# HPTRP Consequence Area Monitoring

Years One and Two:

Sept 15, 2010 – May 31, 2011

Sept 15, 2011 – May 31, 2012

# Consequence Closure Area Monitoring

- First two monitoring seasons completed
  - September 15, 2010 – May 31, 2011
  - September 15, 2011– May 31, 2012
- Observer program data available for analysis
- Locations of observed bycatch occurred within the Plan's management areas
  - Heavily concentrated in areas affected by consequence areas
- Two full, consecutive management seasons are averaged to determine if target threshold(s) exceeded



# Bycatch Rates – Years 1 and 2

	Two-Year Threshold Bycatch Rate Established in 2010	Year 1 Observed Bycatch Rate	Year 2 Observed Bycatch Rate	Two-Year Average Bycatch Rate
Coastal Gulf of Maine	0.031	0.078	0.043	0.057
Southern New England	0.023	0.012	0.029	0.020

Bycatch rate units are harbor porpoise takes per metric tons landed

# Compliance – Year 1

	Total number of observed hauls	Observed hauls with correct number of pingers	Percentage of hauls with correct number of fully functioning pingers	Number of hauls with the correct number of fully functioning pingers	Percent compliance
Coastal Gulf of Maine	883	728	50%	364	$364/883 = 41\%$
Southern New England	238	154	100%	154	$154/238 = 65\%$



# Compliance – Year 2

	Total number of observed hauls	Observed hauls with correct number of pingers	Percentage of hauls with correct number of fully functioning pingers	Number of hauls with the correct number of fully functioning pingers	Percent compliance
Coastal Gulf of Maine	1265	1012	77.5%	784	$784/1265=$ <b>62%</b>
Southern New England	205	150	100%	150	$150/205=$ <b>73%</b>



# Consequence Closure Areas: Monitoring Results

- After monitoring two management seasons (Sept 2010 through May 2012)
  - Bycatch rate threshold exceeded for Coastal Gulf of Maine Consequence Closure Area
    - RESULT: Closure October/November annually
    - Effective until long-term goals met or NMFS/Team develop new conservation measures
  - Bycatch rate threshold not exceeded in Southern New England
    - RESULT: No closures implemented
    - RESULT: Continued monitoring of bycatch rates (Year 2 rate will be averaged with Year 3)





# Questions?



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